VICEROY MINERALS CORPORATION

Brewery Creek Mine

2004 ANNUAL WATER LICENSE REPORT

Submitted to the Yukon Territory Water Board

Water Use License QZ96-007

2004 ANNUAL QUARTZ MINING LICENSE REPORT

Submitted to Yukon Government Energy Mines and Resources

Yukon Quartz Mining License A99-001

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Compiled by ALM Group

Daily monitoring of the leach pad leak detection system continued through the month of May at which time the leakage rates in all subcells had reached minimal and non detectable levels. This is consistent with the leach pad being drained down for 2 years.

A biological treatment cell was constructed in the barren pond during 2004. Construction was not yet complete at the end of the year and some minor asks are required in 2005. The pregnant pond was empty most of the year and therefore leakage rates were minimal.

The annual physical structures inspection, as required under the Water License, was completed in September 2004 by a geotechnical engineer employed by SRK Consultants. The inspection indicated no serious concerns.

No recordable spills occurred in 2004.

All of the site facilities were dismantled in 2004 and shipped off site. The areas were reclaimed by breaking concrete footings to the ground elevation, burying concrete, covering the slab with 1 meter of growth media and revegetating. The warehouse/administration building remains along with miscellaneous equipment residing in a boneyard.

Executive Summary

The Brewery Creek Mine, owned and operated by Viceroy Minerals Corporation, is located in central Yukon approximately 55 kilometres east of Dawson City. The mine operates under class 'A' Water Use License QZ96-007, originally issued as QZ94-003 in August 1995 and under Yukon Quartz Mining License A99-001 issued in 1999.

This report summarizes 2004 monitoring data and activities relevant to both the Water Use and Quartz Mining Licenses.

During 2004 no mining operations were conducted. The heap leach pad was detoxified in 2002 and drained down in 2003. At the end of 2004, the heap was fully shutdown and approximately 1 liter per second was free draining from the heap. The heap effluent continues to meet direct discharge criteria without need for any further treatment.

During 2004, 40 hectares were reclaimed or required maintenance reclamation from previous years.

The large scale lysimeter constructed in the Blue WRSA was monitored for chemistry and infiltration during 2004.

In 2004, minimal fresh water was withdrawn from Laura Creek during fire fighting operations immediately adjacent to the minesite.

In August 2004 a 5-day water license hearing was held in consideration of the company's application for extension of the license terms for an additional 15 years, setting the security level and incorporation of the closure performance criteria.

From May – September 2004, approximately 98,000 m^3 of treated process solution was either land applied or directly released into the Laura Creek watershed.

Whenever flow and climatic conditions permitted, all monitoring required under QZ96-007 was carried out.

There was no surface discharge of accumulated waters from any of the 6 pits (Pacific, Blue, Moosehead, Kokanee, South Golden and Lucky). All water in the pits either evaporates or infiltrates into the ground.

Stream sediment monitoring was conducted in conjunction with third quarter surface water sampling. Since mining ceased in 2000, most stations show a reduction or no increase in metals in sediments.

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1 INTRODUCTION

Brewery Creek Mine, owned and operated by Viceroy Minerals Corporation, is located in central Yukon approximately 55 kilometers east of Dawson City. Ore processing employs conventional heap leach technology on run of mine ore. Mining and construction commenced in 1995, with leaching commencing in November 1996.

The mine operates under class 'A' Water Use License QZ96-007, originally issued as QZ94-003 in August 1995 and under Quartz Mining License A99-001 issued in June 1999.

This report summarizes 2004 monitoring data and activities relevant to the Water Use and Quartz Mining Licenses.

2 2004 OVERVIEW OF ACTIVITIES

The following significant reclamation tasks were completed in 2004:

- Land application of 13,161m^3 was conducted in July 2004.
- Direct release of compliant process solutions was carried out in May – September. A total of 84,948 m^3 was released during this period. The heap continued to meet direct release criteria and no further treatment of any process solution was necessary in 2004. In total, 98,109 m3 of compliant process solution was released in 2004.
- 40 ha of reclamation was completed in 2004, consisting primarily of maintenance work on previously reclaimed areas and reclamation of the main haulage road. The following areas were reclaimed or had maintenance work completed in 2004:
  - The Canadian WRSA is fully reclaimed an no additional work was required in 2004;
  - The North Golden (2.0 ha) silt stockpile required additional maintenance work. A backhoe was used to complete recontouring;
  - A potential failure in the haul road at the Lucky Pit was stabilized. 8,700 m^3 (0.29 ha) of road material was removed and pushed with a D-9 dozer to an adjacent and flat lying area. This work was completed on the recommendation of the company's geotechnical consultant.
  - No work in the South Golden pit was conducted in 2004 and the area is fully reclaimed;
  - An overflow ditch was constructed in the Moosehead zone;
  - Recontouring (4.4 ha) was completed in the remnants of the Kokanee growth media pile.
  - Additional maintenance reclamation work was carried out in Cell 8-10 area including ripping and application of growth media in areas that were not acceptable from the 2003 program.

Approximately 3,500 m3 of growth media was spread over various areas within the Cell 8-10 area.

- All 6 culverts on the main mine haul road were removed in 2004. Five rip/rap stream crossings were constructed in the draws along the haul road. As builts of the crossings are included in the Figures. A total of 21 ha was reclaimed in haul roads in 2004;
- A total of 8.2 ha of mine access roads including ADR access and leach pad perimeter roads were reclaimed by ripping the surface with a D-9 dozer and recontouring where necessary;
- All site facilities with the exception of the administration building were dismantled and shipped off site. The areas were reclaimed by breaking concrete footings to the ground elevation, burying concrete, covering the slab with 1 meter of growth media and revegetating. The warehouse/administration building remains along with miscellaneous equipment residing in a boneyard. Total area reclaimed from site facilities was 1.75 ha.

Status and as-builts of the leach pad and mine areas to the end of 2004 is shown in Figures 1 through 10.

2.1 Mining Summary By Deposit

No mining of ore took place in 2004.

3 WATER USE

In 2004 100 m^3 was taken from Laura Creek for fire fighting purposes. No water was withdrawn from BC-23 (Table 3.1).

The mine water system has been dismantled including the Laura Creek pumphouse and electrical system, electrical system at BC-23, 3,000 gallon holding tank, 140,000 gallon tank above the ADR plant and holding tank at the camp area.

Table 3.1 Summary of 2004 Water Withdrawal from Laura Creek and Well Site (BC-23)

Month	Laura Creek (m^3)	Well: BC-23 (m^3)	TOTAL (m^3)
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	100	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Totals	**100**	**0**	**0**
Daily Average (m^3/day)	**0**	**0**	**0**

4 MONITORING

4.1 Climate

Temperatures that are variable and extreme, with warm summers and prolonged extreme cold spells in winter characterize climate at the Brewery Creek Mine site. Typical of northern interior regions, most precipitation occurs as summer rain.

The 2004 climate monitoring data is summarized in Appendix A-1. 2004 climate data was collected manually during the period from January through December.

4.1.1 Temperature

June was the warmest month of the year with a high of 33.8°C. January was the coldest month with a minimum temperature of –36.0°C. 2004 monthly climate data is presented in Appendix A-2.

Brewery Creek data, collected since 1991, is summarized in Appendix A-3 (table and graph). Appendix A-4.2 presents a comparison of Brewery Creek Mine and Dawson City Airport climate data.

4.1.2 Precipitation

Total 2004 precipitation measured at the mine site was 299.1 mm (see Appendix A-1). 2004 was below the long-term average precipitation at Brewery Creek of 329 mm.

The total annual precipitation at the Dawson City Airport amounted to 258.0 mm.

4.1.3 Snow Survey

Snow surveys were performed in January and February 2004. Typically, all snow has melted from the leach pad and in the general area of the leach pad by the middle of May, while some snow remained on the ground into late May in undisturbed-forested areas around the site. Snow survey locations are keyed to known reference points to ensure the continuity of the data from one survey to the next. The snow survey procedures consist of cutting a vertical face in the snow, measurement and description of the layering, and coring of the snow for density analysis.

Snow survey results are given in Appendix A-6. At the end of February 2004, an average 158-mm water equivalent snow pack was measured at standard sites around the heap leach pad. A similar snow survey was completed in the Blue WRSA in February 2004 over the immediate area of the large scale lysimeter test cover. A total water equivalent of 133.7 mm was recorded over the Blue lysimeter at the end of February 2004.

4.1.4 Evaporation Pan

In 1997 a galvanized pan conforming to Evaporation Pan Class 'A' dimensions (1219mm diameter by 254mm high), and a precipitation gauge were placed between the overflow and intermediate ponds. 2004 monitoring was conducted from May through October (Appendix A-7.1). Results are tabulated in Appendix A-7.2. The maximum monthly net evaporation was 145.6 mm, and occurred in June. Total net evaporation in 2004 was 499.9 mm.

4.2 Water Quality and Hydrology

4.2.1 Water Quality Monitoring

Water quality sampling was performed as required by Schedule B of Water License QZ96-007. Appendix B-1 presents a monthly summary of compliance sampling, and Table 4.1 a tabulation of samples obtained.

Table 4.1 2004 Compliance Water Quality Sampling

	Surface Water	Ground water	In-Pit	Solution Discharge	LDRS	Land Application Lysimeters
Number of Samples in 2004	44	18	39	22	52	21

Components and procedures of the Brewery Creek Mine (BCM) water quality sampling program are summarized below.

Principal Water Quality Laboratory:

Cantest Ltd.
4606 Canada Way
Burnaby, BC
Ph.: (604) 734 7276
Fax: (604) 731 2386

Sampling Equipment:

Bottles: Bottles are supplied by the principal laboratory, arrive on site in coolers, and are stored in coolers. A running inventory of approximately 50 (1L)CN, 50 (1L) standard analytical, and 50 (250 ml) metals sample bottles are maintained on open shelves in the environmental department. Bottles for cyanide analysis are specially labeled, and have been pre-preserved by the lab. Occasionally BCM staff have used a standard 1-litre bottle for cyanide sampling, and have added the NaOH pellet preservative from the environmental department's on-site supply.

Gloves: Sampling gloves are often used when taking surface water samples. Either neoprene, or rubber panner's gloves are used.

Distilled Water: Distilled water is stored at the assay lab, and is obtained from offsite in 20L spigotted jugs.

Groundwater Bailers: Single Sample ™ disposable polyethylene bailers, 0.75" to 1.5" diameter are used.

Groundwater pump: Grundfos ™ Redi-Flow 2 pump, with 200 foot REEL E-Z teflon-lined polyethylene hose is used for well purging and sampling.

Sampling Procedure:

Surface Water Sampling:

Both the outside of cyanide sampling bottle, and the sampling glove, are rinsed prior to opening the sample bottle. The bottle is opened; care is taken to not touch bottle rim or inside of cap. If stream depth permits, bottle is submerged with top facing upstream and allowed to fill. For shallower sites, the bottle is only partially submerged. Non-cyanide bottles and cap are rinsed twice with water from the sampling site. Rinse water is discarded downstream. Cyanide bottles are not rinsed prior to filling. The bottle is filled and tightly capped. Prior to capping total metals sample, a nitric acid preservative (supplied by the principal analysis lab) is added to the bottle.

Groundwater Sampling, Using Bailers:

The sample bottle is opened, and care is taken to not touch bottle rim or inside of cap. The bailer is emptied through the top of the bailer, into the bottle. Non-cyanide bottles and cap are rinsed twice with water from the sampling site. Rinse water is discarded on the ground. Cyanide bottles are not rinsed prior to filling. The bottle is filled, and cap is placed tightly on bottle.

Dissolved metals samples are filtered in the field using a disposable filter apparatus. The filter apparatus is attached to a sterile collection bottle. Once filtered, a nitric acid preservative is added to the filtrate, and the cap is placed tightly on the bottle.

Occasionally the principal analysis lab performs the filtering and preserving of dissolved metals samples.

Groundwater Sampling, from Pump Discharge:

The sample bottle is opened, and care is taken to not touch bottle rim or inside of cap. Non-cyanide bottles and cap are rinsed twice with water from the pump discharge hose. Rinse water is discarded on the ground. Cyanide bottles are not rinsed prior to filling. The bottle is filled, and the cap is placed tightly on bottle.

Dissolved metals samples are either filtered in the field using a disposable filter apparatus or filtered at the onsite mine environmental laboratory. The filter apparatus is attached to a sterile collection

bottle. Once filtered, a nitric acid preservative is added to the filtrate, and the cap is placed tightly on the bottle.

Occasionally the principal analysis lab performs the filtering and preserving of dissolved metals samples.

Leak Detection and Recovery System (LDRS) Sampling:

Sampling is usually conducted by ADR personnel who fill the cyanide sample bottles with the first leak solution recovered in each month. The bottle is opened, and care is taken to not touch bottle rim or inside of cap. The bottle is filled, and the cap is placed tightly on bottle

Sample Labeling:

Sample bottles are labeled with the sample location site name, date sampled, and company name.

Sample Storage:

Samples are stored in a refrigerator at the mine site until shipping.

Sample Shipping:

Surface and groundwater compliance samples are shipped either the day of, or the day following sampling. Samples are placed in coolers with one or more refrigeration packs, and shipped via courier to Whitehorse and airfreight to Vancouver. The coolers are delivered to the principal laboratory.

Quality Assurance and Quality Control:

Blanks and field duplicates are routinely submitted with samples.

Blanks: Cyanide, standard analytical and metals bottles are filled with distilled water, at either the assay lab, or the environmental office. Bottles are not filled in field. Samples are submitted to the lab "blind", and coded with a fictitious sample name.

Field Duplicates: A second set of bottles is filled at a given site, using the sampling techniques described above, concurrently with the primary sample. Samples are submitted to the lab "blind", and coded with a fictitious sample name.

The principal water quality laboratory, Cantest Ltd, has current Canadian Association for Environmental Analytical Laboratories (CAEAL) accreditation for all major water quality parameters in the Brewery Creek Mine suite. Cantest's Quality Management Program and Certificate of Accreditation are presented in Appendices B-3 and B-4.

4.2.2 Surface Water Quality Results

Locations and descriptions of surface water quality stations are given in Appendix B-1. 2004 surface water quality results are tabulated by station in Appendices B-5.1 and B-5.2. Certain key parameters including total suspended solids (TSS), nitrogen species (ammonia), and selected metals are graphically compared to historical data in Appendices B-5.3 to B-5.6.

4.2.3 Groundwater Quality Results

Locations and descriptions of groundwater quality stations are given in Appendix B-1. Water quality sampling from the groundwater stations is required on a quarterly basis as per the Water License.

4.2.4 Effluent Monitoring Stations Water Quality Results

There was no mining activity in 2004 and mined out pits were used effectively as sediment control basins. Snow melt and precipitation run-off was directed to the closest inactive pit. Samples from all pits were taken from surface standing water within each pit.

In-pit samples were taken from the west and east end of Pacific Pit (BC-51W, BC-51E), Blue (BC-12), Moosehead Pit (BC-15), Kokanee Phase 3 (BC-10), South Golden Pit (BC-17), and Lucky (BC-18N, BC-18S).

Samples collected from the Kokanee Phase 3 and Golden pits (BC-10 and BC-17 respectively), show no abnormal values. Pacific Pit (BC-51) showed a lower than historical pH and ranged from 3.3 – 7.1 during the sampling periods. There were no associated significant increases in metals in the Pacific Pit during this period. PH values in the Blue Pit (BC-12) were consistently in the 3.75 - 5 range throughout the 12 month sampling period. Increased levels of aluminum and iron were observed. The Moosehead Pit was started and completed in 2000 and sampling of in-pit water was first taken in 2001. The highest selenium (dissolved metal) level observed in the Moosehead Pit during 2004 was 0.046 mg/l, however the water in the pit does not actively discharge. As is the case for all other pits, the water is contained in the pit and either exfiltrates or evaporates.

4.2.5 Leak Detection and Recovery System (LDRS) Water Quality Results

Water quality sampling results from process pond and leach pad leak detection and recovery systems is given in Appendix B-8.

Leach Pad

Total cyanide concentrations in the 7 LDRS subcells ranged from less than detection to 0.149 ppm.

4.2.6 Hydrology

Stream flow measurements for Laura Creek, Carolyn Creek, Lucky Creek, Lee Creek, and Pacific Creek were measured in 2004. All data and discharge graphs are presented in Appendix C-1.

Historical data for two sites on Laura Creek (BC-1 and BC-37), and a site on Lee Creek (BC-34) have been tabulated in Appendix C-2.1. Discharge curves have been generated for these sites by plotting measured flow rates against staff gauge readings. The trend lines established for Laura Creek indicates a good relationship between flow rates and the staff gauge readings. Flow rates at this site are substantially higher than those observed on Laura Creek.

4.2.7 Benthic monitoring

As specified in Part F, Clause 45, of Water License QZ96-007 benthic monitoring is required on a bi-annual basis. No benthic monitoring was carried out in 2004.

4.3 Sediment monitoring

Annual stream sediment sampling was conducted in September 2004. Triplicate sediment samples were collected from within the active channel of the streams, using an aluminum scoop.

The samples were dried and screened using stainless steel sieves at ASTM mesh number 10, 20, 40, 60, 100, 140 and 270. Fraction weights were recorded. A minus 100-mesh sub-sample was analyzed for 33-element ultratrace ICP at Activation Laboratories in Ancaster, Ontario. Loss-on-ignition (LOI) was determined by heating the sample to 600°C. Results are tabulated in Appendix E. In addition to LOI, total organic carbon has been added to the parameters analyzed in support of the site specific selenium criteria.

4.4 Leak Detection and Recovery Systems

Monitoring of (LDRS) systems diminished during 2004, consistent with long-term closure plans and the significant reduction of any leakage from the heap subcells and process ponds. Results are presented in Appendices F-1.1 through F-2.2. At the end of 2004, the heap had been drained and all of the leak detection subcells were either at zero or negligent levels. This is consistent with the heap being drained down for over 2 years.

4.5 Air Quality

Air quality monitoring for mercury emissions was not conducted in 2004 due to the dismantling of the ADR facility in 2004 and the cessation of refining. No further air quality monitoring is anticipated.

4.6 Effects on Wildlife

4.6.1 Process-Related Mortalities

No wildlife mortalities were reported in 2004.

4.7 Physical Structures

In accordance with Clause 42 of QZ96-007, the annual physical structures inspection was conducted in August by a professional geotechnical engineer employed by SRK Consultants

The inspection report is presented in Appendix H. All structures inspected were found to be generally in good condition and operating as intended. Recommendations made will be followed through in 2005.

5 RECLAMATION

There was additional reclamation work performed in 2004.

Most of the 40 hectares completed in 2004 was the ripping and covering of the main mine haul road with loose material. A summary of the reclamation completed in 2004 is shown in Table 5.1

Table 5.1 2004 Reclamation Summary

Mine Area	Total Hectares 2004	Description of Work
Blue Pit	0	
Blue WRSA	0.15	Maintenance work at entrance to WRSA
Pacific	0	
Moosehead	0.05	Construct pit overflow ditch
Canadian	0.20	Maintenance work top end of WRSA
Fosters	0.25	Recontour material placed from excavation of stream crossings
Kokanee	4.4	Recontour remaining material in old GM pile south of pit
North Golden	2.0	Maintenance recontouring with backhoe stockpile adjacent to haul road
South Golden	0	
Lucky	0.29	Removed material from edge of road, geotechnical concerns
Heap	0	
Cell 8-10	2.0	Maintenance work, ripping, scarification, growth media
Site Facilities	1.75	Dismantle, cleanup, growth media
Haulage and Access Roads	29.0	Ripping, 0.5 – 2.0 meter cover with loose material, remove safety berms, recontour road slope
Total	40.1	

The following summarizes the reclamation work completed in 2004.

5.1.1 Kokanee

Reclamation in the Kokanee consisted of additional recontouring with a D-9 dozer in the remaining GM pile located immediately south of the Kokanee pit. Additional material was pulled

back from the outside edge of the remaining pile with a backhoe. An as-built of the Kokanee area is included as Figure 8.

5.1.2 Golden

Additional resloping with a backhoe on the North Golden silt stockpile was completed in 2004. An as-built of the Golden area is included as Figure 9.

5.1.3 Lucky Pit

Approximately 8,730 m^3 of material was removed from the outside edge of the haul road as it entered the Lucky Pit. This area showed signs of cracking and potential failure. Based on a recommendation by the company's consultant, material was removed from that area to relieve the weight. The material was placed in a flat lying area adjacent to the area of concern. An area of approximately 97 m x 30 m x 3.0 m was removed. Figure 10 shows the as-built of the Lucky area.

5.1.4 Upper Fosters

An area approximately 0.25 ha was recontoured with a D-9 dozer in Upper Fosters following placement of material removed from the adjacent stream crossing. An as-built of the Fosters area is included as Figure 7.

5.1.5 Canadian

Maintenance work consisting of recontouring berms from the reclaimed haul road into the top end of the Canadian WRSA was completed. This work disturbed some of the final reclamation completed in 2003 and therefore work was required. An as-built of the Canadian area is shown as Figure 6.

5.1.6 Pacific

No reclamation work was completed in the Pacific in 2004. An as-built of the Pacific area is shown as Figure 3.

5.1.7 Moosehead

A rip rap overflow ditch was constructed in the outlet of the Moosehead Pit. Approximately 50% of the landfill was reclaimed by covering the buried material with the previously excavated material adjacent to the landfill. A haul truck was used to compact the surface of the placed material. Once compacted, an additional 0.5 meters of material was placed over the compacted surface with a D-9 dozer. An as-built of the Moosehead area is shown as Figure 5.

5.1.8 Cell 8-10

Additional maintenance work was completed in the Cell 8-10 area, primarily consisting of ripping and scarifying erosion damage from the spring freshet. Additional recontouring and ripping near the old lime silo area as well as spreading of the remaining growth media pile located on the western edge of Cell 8-10 was completed. An as-built of the heap and Cell 8-10 area is shown in Figure 2.

5.1.9 Heap

No reclamation work was completed on the heap in 2004.

5.1.10 Haulage and access roads

Seven kilometers of main haul road were reclaimed in 2004. Reclamation consisted of completing the removal of safety berms and recontouring the top edge of the road, covering the road with loose material at depths ranging from 0.5 – 2.0 meters and ripping the placed material. Site access roads including road perimeters around the heap, heap dike road and pond roads were reclaimed by ripping the road surface and constructing water bars where necessary. Culverts located in various locations around the heap perimeter road were removed and replaced with deep swales if required. A total of 29 hectares in roads was reclaimed in 2004.

5.1.11 Stream Crossings

All 6 culverts on the main mine haul road were removed in 2004. Five rip/rap stream crossings were constructed in the draws along the haul road. As builts of the crossings are included in Figures 11 – 15.

5.1.12 Site Facilities

All of the site facilities were dismantled in 2004 and shipped off site. The areas were reclaimed by breaking concrete footings to the ground elevation, burying concrete, covering the slab with 1 meter of growth media and revegetating. The facilities removed in 2004 include:

- ADR Plant
- Assay Lab
- ADR water tank
- Propane tanks
- ADR and assay lab septic systems
- Heap valve houses and piping
- Laura Creek pumphouse
- Lime silo
- Maintenance shop
- Surface shop
- Camp water tank
- Fuel storage facilities

The warehouse/administration building remains along with miscellaneous equipment residing in a boneyard. Figure 16 shows the inactive and buried utility lines remaining.

6 REAGENT AND WASTE MANAGEMENT

6.1 Spill Occurrence and Response

No reportable spills occurred in 2004.

6.2 Reagent Storage and Handling

As the leaching process ceased in 2001, the majority of chemical reagents have already been disposed of and reported in previous annual reports. The following table summarizes the remaining quantities of reagents and chemicals stored on site during 2004.

Table 6.1 Storage of Major Reagents During 2004

Product	Quantity Used 2004/Stored at end of Year	Storage Location	Storage Method
Diesel	None remaining end of year	Dismantled.	Dismantled
Gasoline	None remaining end of year	Dismantled	Dismantled
Glycol	10 drums glycol/water mix	Petroleum Product/Special Waste Storage Area	45 imp. Gal drums
Hydrochloric Acid	6 drums	Adjacent to Preg Pond	238 kilo drums (45 imp. gal.)
Hydrogen Peroxide	6 drum	Adjacent to Preg Pond	45 imp. Gal. drums

6.3 Waste Management

6.3.1 Waste Oil Incinerator

The waste oil burner used to heat the process solution prior was dismantled in 2004. Remaining waste oil in the tank prior to dismantling was removed off site by a qualified transporter. All transporters of waste oil are required to fully comply with the Yukon Special Waste Regulations, the Transportation of Dangerous Goods and the Yukon Spill Reporting Regulations.

6.3.2 Waste Storage and Disposal

Storage and disposal of major waste products at the mine site is summarized in Table 6.2.

Table 6.2 Waste Storage and Disposal During 2004

Product	Source(s)	Quantity (stored/disposed 2004 year)	On-Site Storage	Disposal Method
Batteries, Lead Acid	Mine shop, Plant	5 stored	place on pallets in secure area	sent off-site with Yukon Renewable Resource approved recycling facility - General Waste fron
Cupels,	Assay lab	156,000 stored	in 45 gal drums, label, store in secure area	disposal off-site: waiting until final cleanu completed to ship
Drums, plastic	Mine shop, Plant	minimal	drain, rinse, place with regular refuse	landfillable - regular dumpsters
Glycol (minimal oil contamination)	Mine shop, Plant	10 drums	place in 205 l drums, label, store in secure	sent off-site with Yukon Renewable Resource approved recycling facility - General Waste fron
Insulation, styrofoam or	Misc. construction	**3 pickup loads**	place with regular refuse	landfillable - regular dumpsters
Metal, lightweight (not drums)	Maint., construction	~ 2,500kg	place with regular refuse	Landfillable in Moosehead pit - regular dumpsters
Mercury	Plant (Refinery)	450 lb.	stored in flasks in the warehouse	sourcing options for sale of mercury
Metal, heavy scrap	Maint. areas	~7,500 kg.	drain all oil products and fluids, place in E.R.	Will sell to local contractors
Paint, aerosol cans	All Areas	15 cans	empty out spray can, place with regular refuse	landfillable - regular dumpsters
Residue, from Used Oil Burner	ADR Plant	2-4 drums	place in drums, take a 250 g sample for	pending results the residue may be safely emptie into a backfill area on site, or at the Quigley landfi

7 WATER MANAGEMENT

7.1 Direct Release

A total volume of 84,948 m3 of compliant process solution was directly released in 2004. A summary of the volumes by month is shown in Table 7.1. The volume of land application released solution is included.

Table 7.1 Solution Release

Month	Direct Release (m^3)	Land App Release (m^3)	TOTAL (m^3)
January			
February			
March			
April			
May	21,052		21,052
June	18,021		18,021
July	16,927	13,161	30,088
August	22,701		22,701
September	6,246		6,246
October			
November			
December			
Totals 2004	**84,947**	**13,161**	**98,108**
Totals To 2002 - 2004	**84,947**	**151,796**	**236,743**
Remaining Permitted	**na**	**248,204**	

7.2 Land Application Volumes

A total of 13,161 m^3 of solution was land applied in 2004. This brings the total solution land applied since commencement of the system to 151,796 m^3, leaving a total of 248,204 m^3 remaining under the water license conditions for total volume. Land application lysimeter results are shown in Appendix

H-1. Suspect WAD and Total cyanide values in the lysimeters were previously reported by the company in monthly submittals to the YWB. Follow up sampling and alternative labs demonstrated these values to be anomalous and not representative of the land application system performance.

7.2.1 Metals in Soils

The metals in soils for the designated land application soil stations are included in Appendix H-3. The data presented includes baseline and 2002 – 2004 for comparative purposes. A summary of the pertinent metals is summarized in Table 7.2.

7.3 Selenium Criteria

Water quality results for BC-39 are included in Appendix B. All sampling periods at BC-39 returned a selenium concentration below the water license criteria for site specific levels.

Table 7.2 Summary of Metals in Soils Land Application Area

Units	Parameter	Baseline – Pre LandApp	Average 2002	Average 2003	Average 2004	Parklands Residential
%	Moisture	22.74	25.70	34.92		
%	Loss on Ignition	22.59	8.38	29.48	15.0	
% dry wt.	Total Organic Carbon	5.92	1.63	11.04	3.97	
% dry wt.	Total Kjeldahl Nitrogen N	0.36	0.13	0.42	0.22	
	pH	3.97	3.74	5.17		
	Metals					
ug/g	Aluminum	8865.0	18637.5	14703.3	12860	
ug/g	Antimony	5.0	5.0	21.8	8.3	20.0
ug/g	Arsenic	12.1	10.6	24.3	10.6	12.0
ug/g	Barium	344.9	512.9	507.8	456.9	500.0
ug/g	Berylium	2.2	0.5	0.6	.613	8.0
ug/g	Boron	32.3	78.6	3.5	1.0	
ug/g	Cadmium	1.2	0.5	1.1	.526	27.0
ug/g	Calcium	1413.5	1940.3	4421.1	3350	
ug/g	Chromium	20.9	27.6	23.7	23.6	64.0
ug/g	Cobalt	4.4	7.6	13.2	7.8	50.0
ug/g	Copper	17.1	24.8	28.8	23.8	63.0
ug/g	Iron	18131.1	32175.0	21733.9	18880.0	
ug/g	Lead	19.9	23.9	29.4	15.86	
ug/g	Magnesium	2357.2	5123.8	3369.2	3290.0	
ug/g	Manganese	202.4	202.5	341.9	179.3	
ug/g	Mercury	0.1	0.0	0.1	0.1	6.6
ug/g	Molybdenum	2.0	2.0	15.0	1.87	10.0
ug/g	Nickel	17.8	24.3	23.6	23.4	50.0
ug/g	Potassium	687.8	1282.6	1091.8	1120.0	
ug/g	Selenium	1.5	1.0	2.2	.823	3.0
ug/g	Silver	1.0	1.0	3.0	.306	20.0
ug/g	Sodium	40.5	305.3	648.4	250.0	
ug/g	Strontium	22.2	29.4	42.1	35.8	
ug/g	Tin	2.5	2.5	2.5	.05	50.0
ug/g	Titanium	128.6	169.4	198.9	420.0	
ug/g	Thallium	0.1			.155	1.0
ug/g	Vanadium	27.9	55.3	42.9	42.6	130.0
ug/g	Zinc	46.8	85.0	64.8	62.6	200.0
ug/g	Zirconium	3.2	3.4	5.1	2.92	

7.4 Heap Cover Infiltration

The water balance model used in all previous Brewery Creek assessments has been modified and updated to determine the estimated infiltration of precipitation through the heap cover. The model uses actual snowpack and precipitation data, pond volumes and release volumes to determine the amount of solution that infiltrates through the cover. The model results are included in Appendix H-4. The model differentiates and separates surface runoff from water that infiltrates through the cover. It is anticipated that this model will be modified and calibrated as time goes on and more actual field performance of the cover is realized. The model uses the basic water balance assumption of:

Starting Pond Volume + Water In – Water Out = Ending Pond Volume

The starting and ending pond volumes can be measured at the end of each reporting period. For the basis of the model, a monthly period is used.

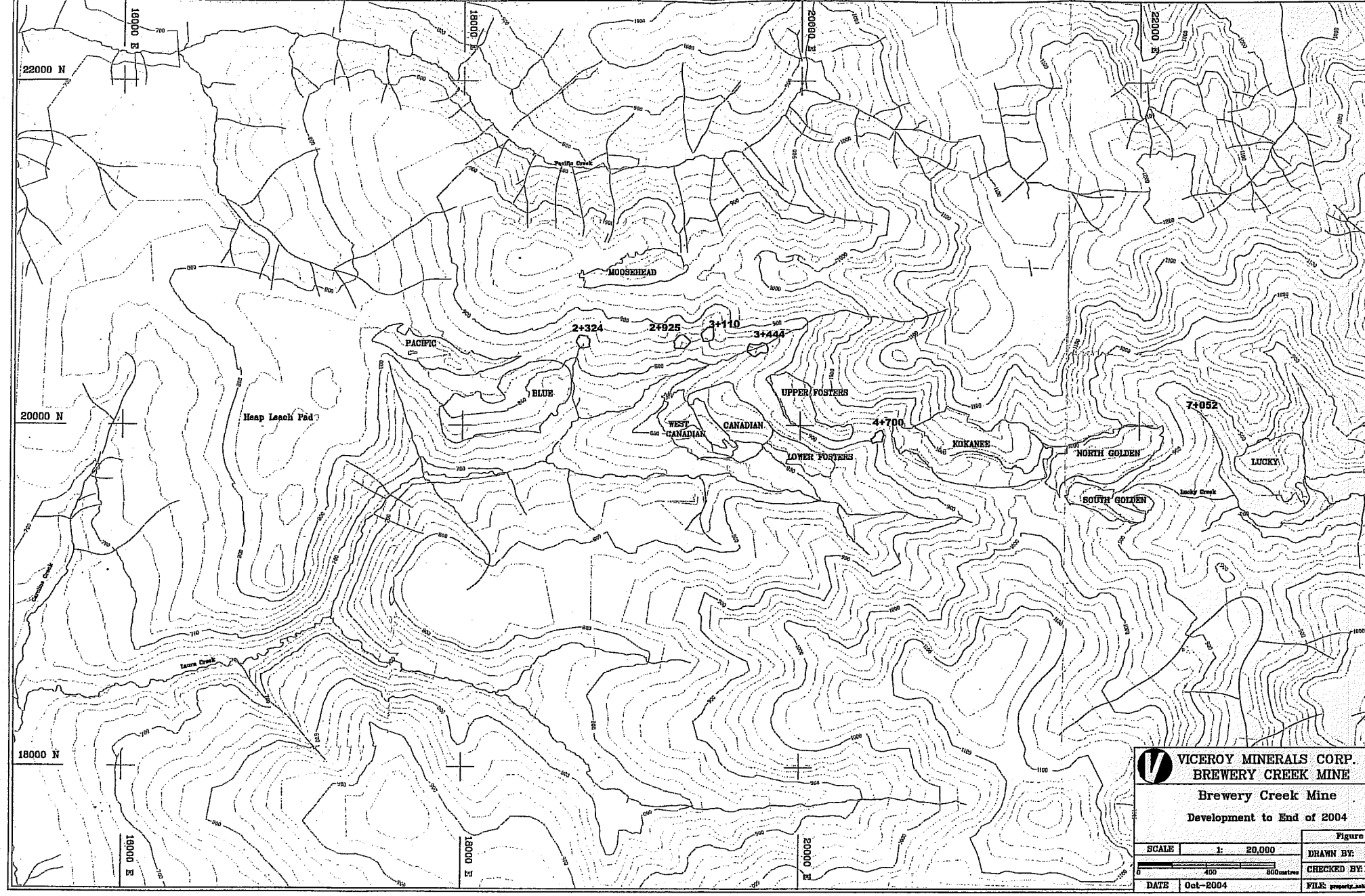
Water IN is measured by snowpack surveys and actual precipitation measurements. The amount of precipitation falling over the leach pad is separated from the amount falling over the ponds.

Water OUT is directly measurable from land application and direct discharge flowmeters. The model balances the Water IN and OUT and calculates the "missing" amount of water that has left the system. This amount is assumed to be the volume that has been lost through evapotranspiration and uptake by vegetation.

The estimated infiltration through the heap in 2004 is estimated at 21.1%. Details of the monthly inputs and calculations are found in Appendix H-4.

8 WATER LICENSE SECURITY

There was no non-refined ore placed on the heap leach pad during 2004. A total of $5.0M remains in security and is held at the Canadian Imperial Bank of Commerce in the form of an LOC and is issued in favor of the Yukon Government. An independent liability cost assessment was prepared by SRK Consulting in September 2004. The SRK outstanding liability for closure and reclamation as of September 2004 was $2.1M.


22000 N
20000 N
18000 N
16000 E
18000 E
20000 E
22000 E
MOOSEHEAD
PACIFIC
2+324
2+925
3+110
3+444
BLUE
Heap Leach Pad
WEST CANADIAN
CANADIAN
UPPER FOSTERS
4+700
LOWER FOSTERS
KOKANEE
NORTH GOLDEN
7+052
LUCKY
SOUTH GOLDEN
Lucky Creek
Pacific Creek
Quintus Creek
Laura Creek
VICEROY MINERALS CORP.
BREWERY CREEK MINE
Brewery Creek Mine
Development to End of 2004
Figure
SCALE
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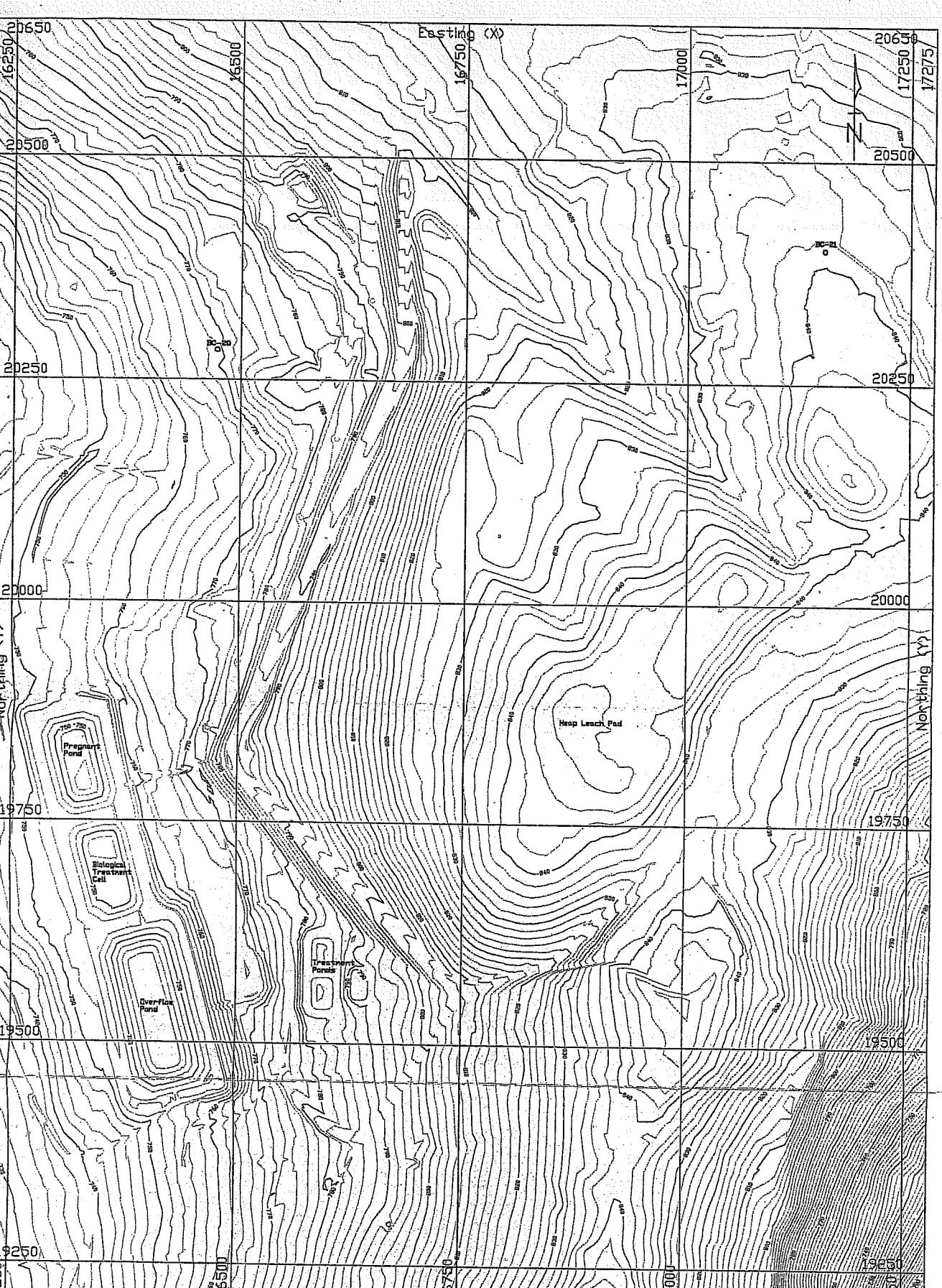
0
400
800 metres
DRAWN BY:
CHECKED BY:
DATE
Oct-2004
FILE: property_ash



Legend	NO	DATE	MADE BY	DESCRIPTION
contours represent RDM resloped surface.	REVISIONS 1			
0m CSPETermination of Dike Piping-Cells 1-7.	2			
Sample Site	3			
	4			
	5			
C:\asbuilts2004\lp_area\lp_asb2004.dwg	DATE 10/20/04	DRAWN BY M. Daley	CHECKED B. Thrall	APPROVED B. Thrall

Viceroy Minerals Corporation

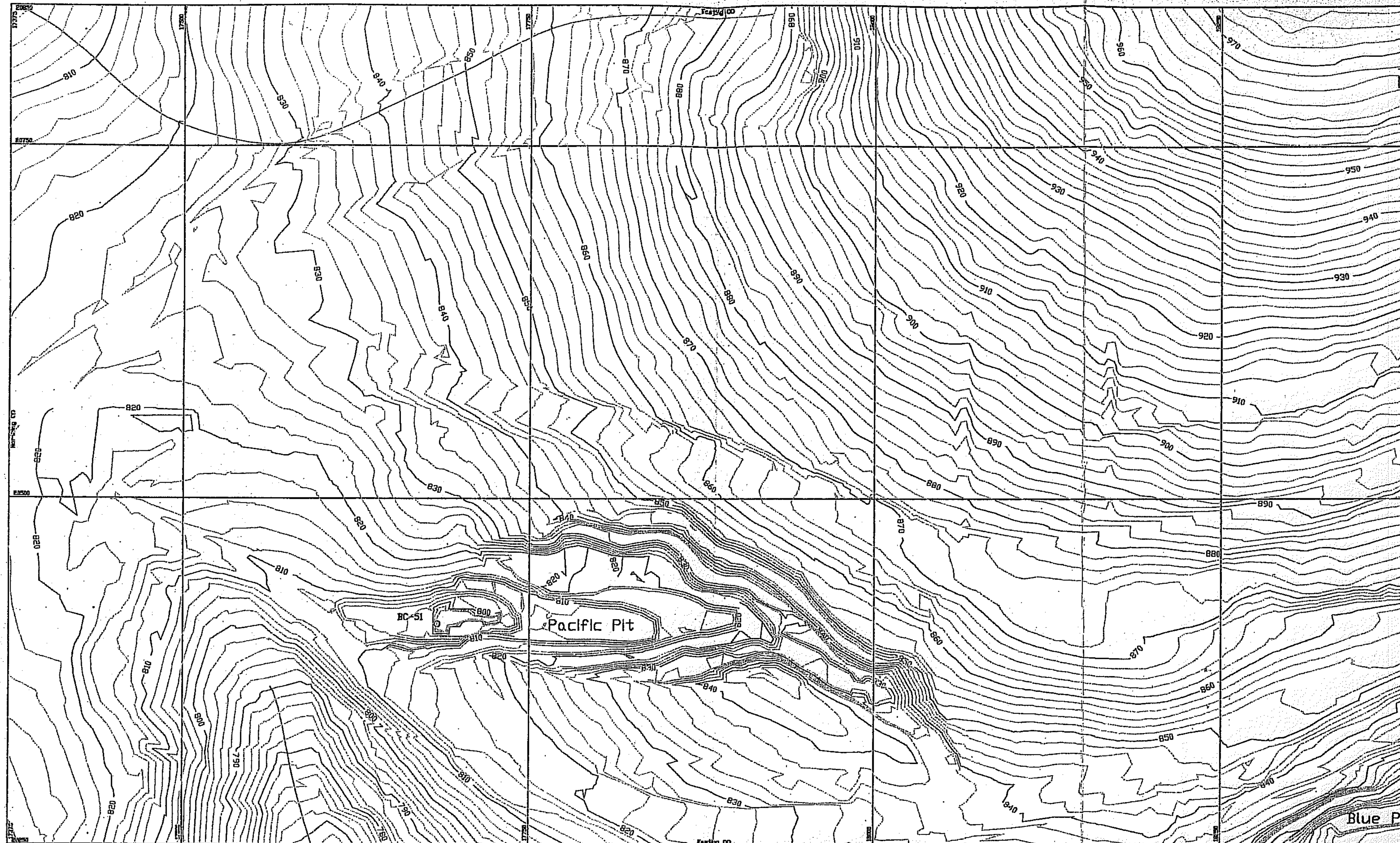
Brewery Creek Mine

OFFICE	DEPARTMENT
Minesite	Engineering

Prepared by Brewery Creek Mine

Leach Pad & Adjacent Areas
Development to End of 2004

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
BC-ENG-04	1:4000	Figure 2



Legend:
O BC-51: Water Monitoring Sampling Point

DATE	DRAWN BY	CHECKED	APPROVED
10/08/04	M. Caley	B. Thrall	B. Thrall

Viceroy Minerals Corporation

Brewery Creek Mine

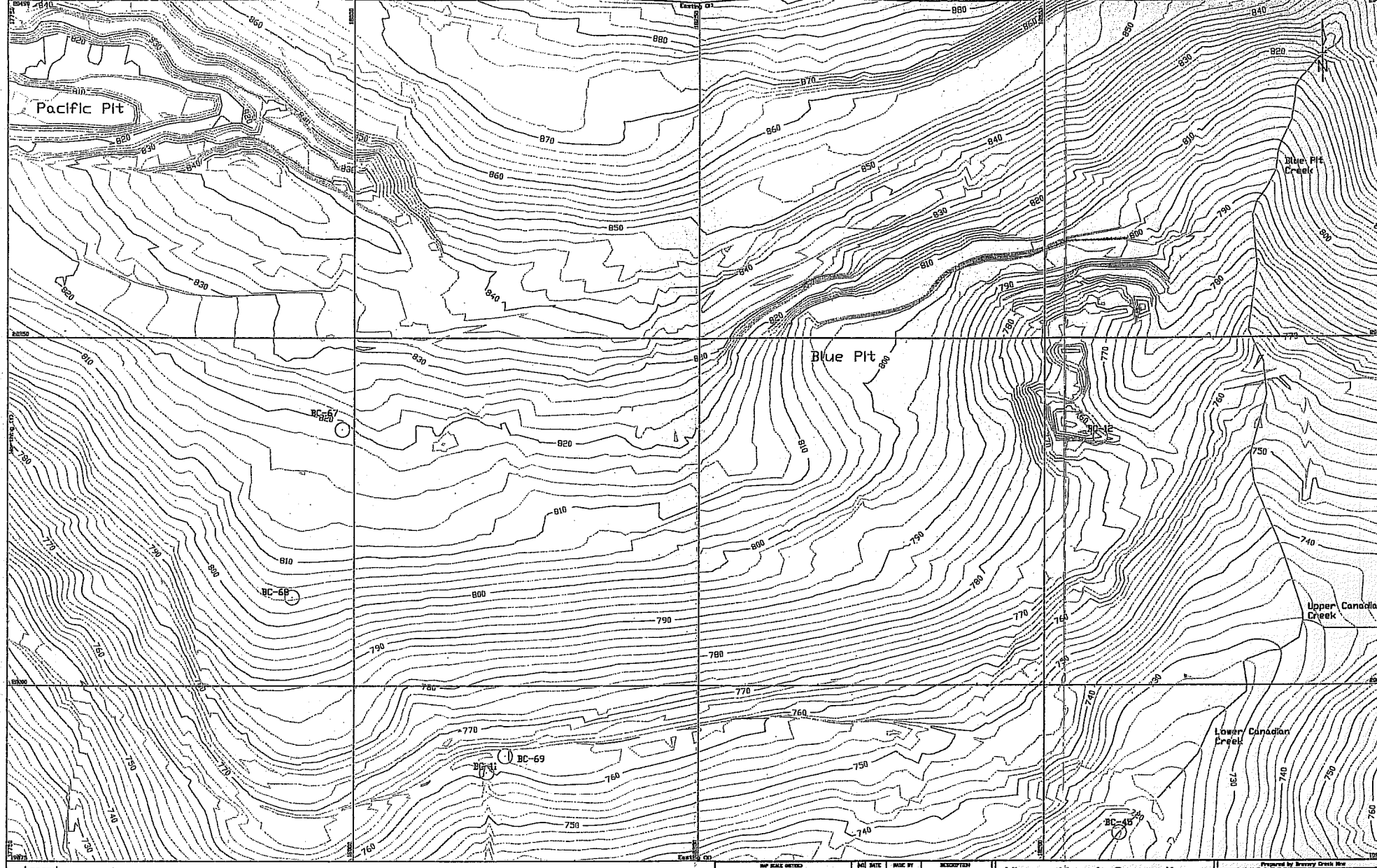
OFFICE	DEPARTMENT
Minesite	Engineering

Prepared by Brewery Creek Mine

Pacific Pit & Adjacent Areas
Development to end 2004

MAP DWG NUMBER	SCALE	DRAWING
BC-ENG-04	1:2500	Figur

G:\B_C\Asbuilts_2004\bl_mh_pac\pacific_asb2004.dwg



Legend:
BC-11 - Water Monitoring Sampling Point

NO.	DATE	MADE BY	DESCRIPTION
REVISIONS 1			
2			
3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
10/08/2004	M. Caley	B. Thrall	B. Thrall

Viceroy Minerals Corporation
Brewery Creek Mine

OFFICE	DEPARTMENT
Minesite	Engineering

Prepared by Brewery Creek Mine

Blue Pit & Adjacent Areas
Development to end 2004

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
BC-ENG-04	1:2500	Figure 4

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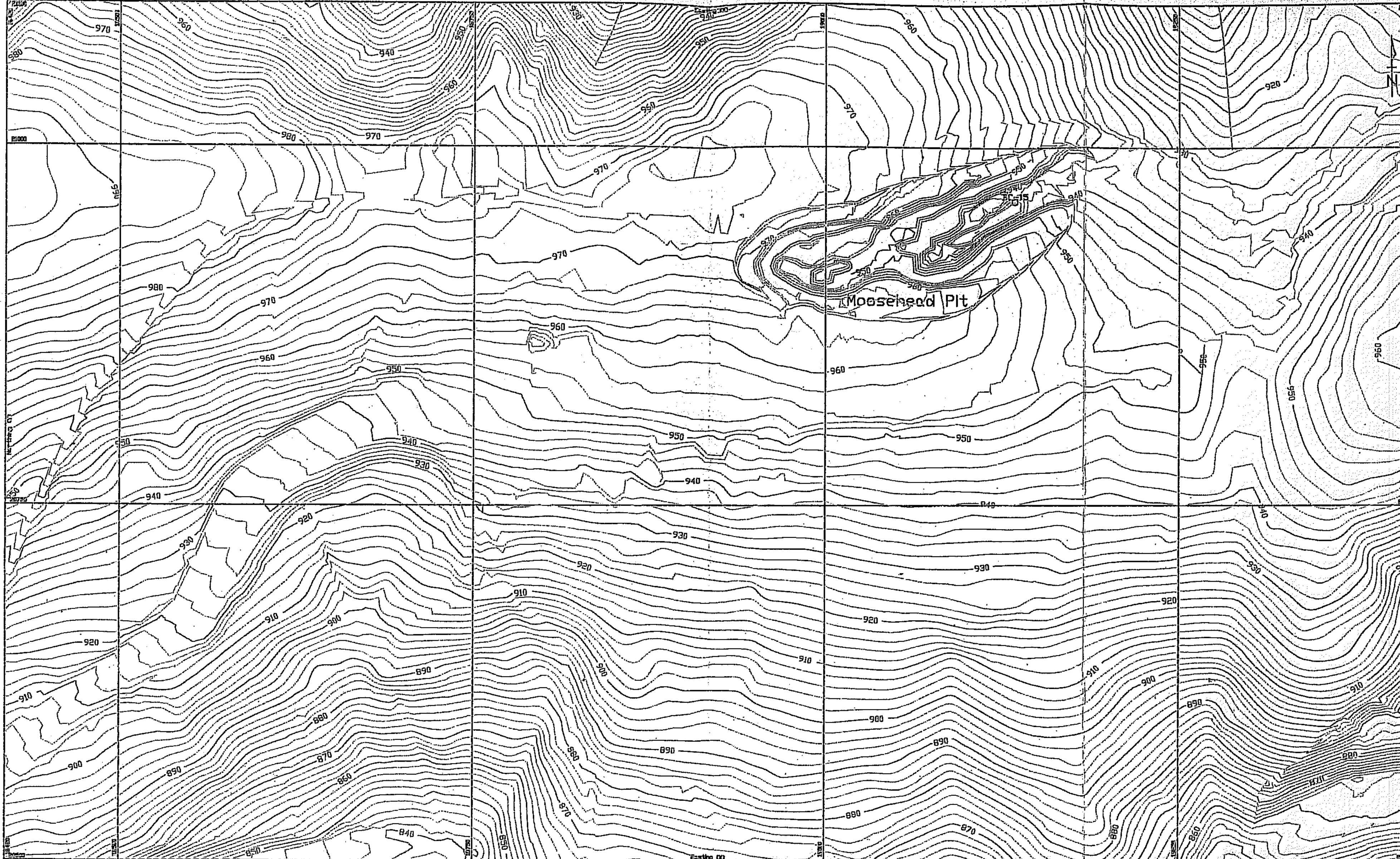


Legend:
O BC-15: Water Monitoring Sampling Point

Viceroy Minerals Corporation

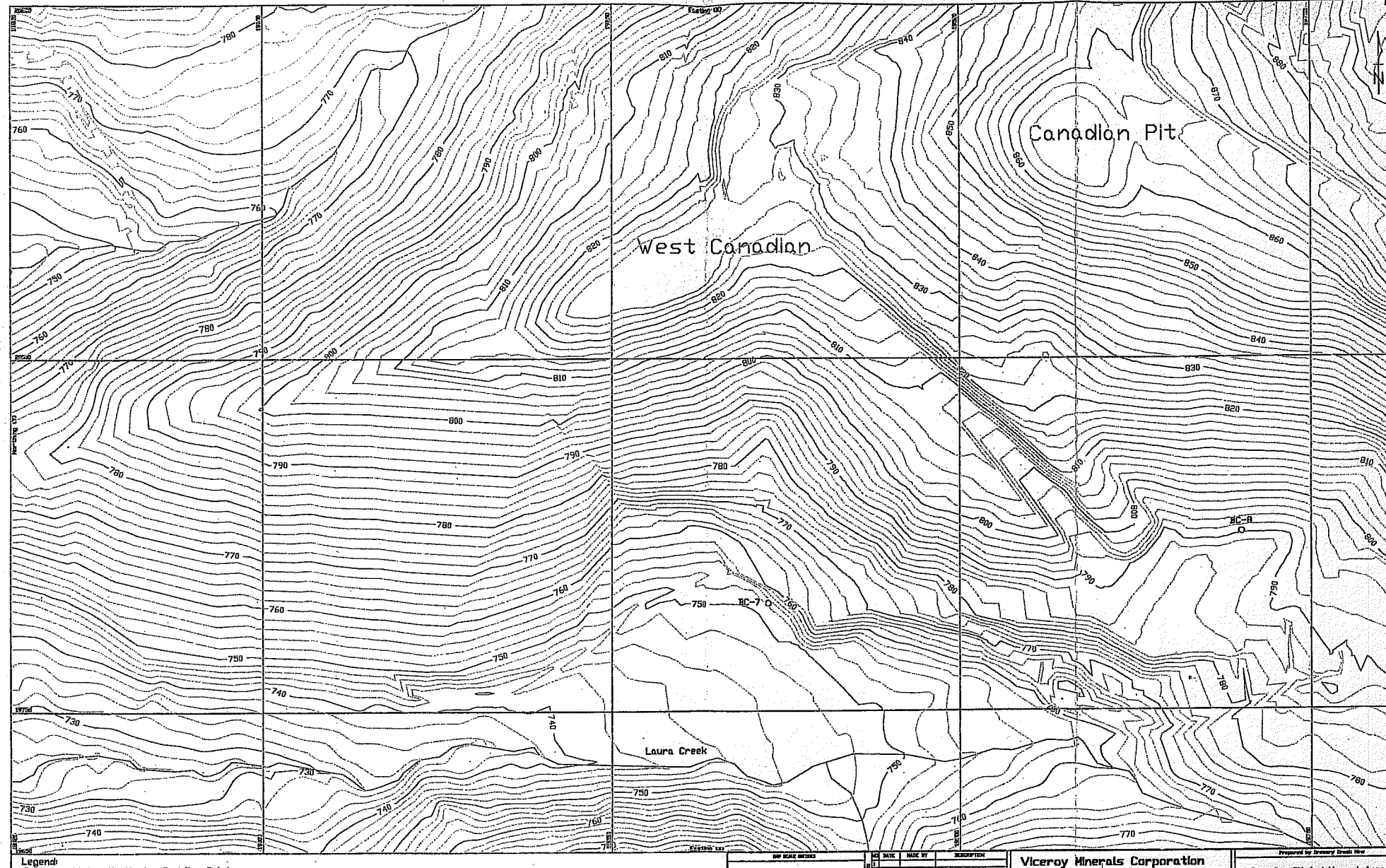
Brewery Creek Mine

Office: Minesite | Department: Engineering

Moosehead Pit & Adjacent Areas
Development to end 2004

BC-ENG-04 | 1:2500 | Figure 5

D:\BC\Asbuilts_2004\bl_mh_pac\Moosehead_asb2004.dwg



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O BC-8 - Water Monitoring Sampling Point

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3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
10/20/04	M. Caley	K. Thrall	B. Thrall

Viceroy Minerals Corporation
Brewery Creek Mine

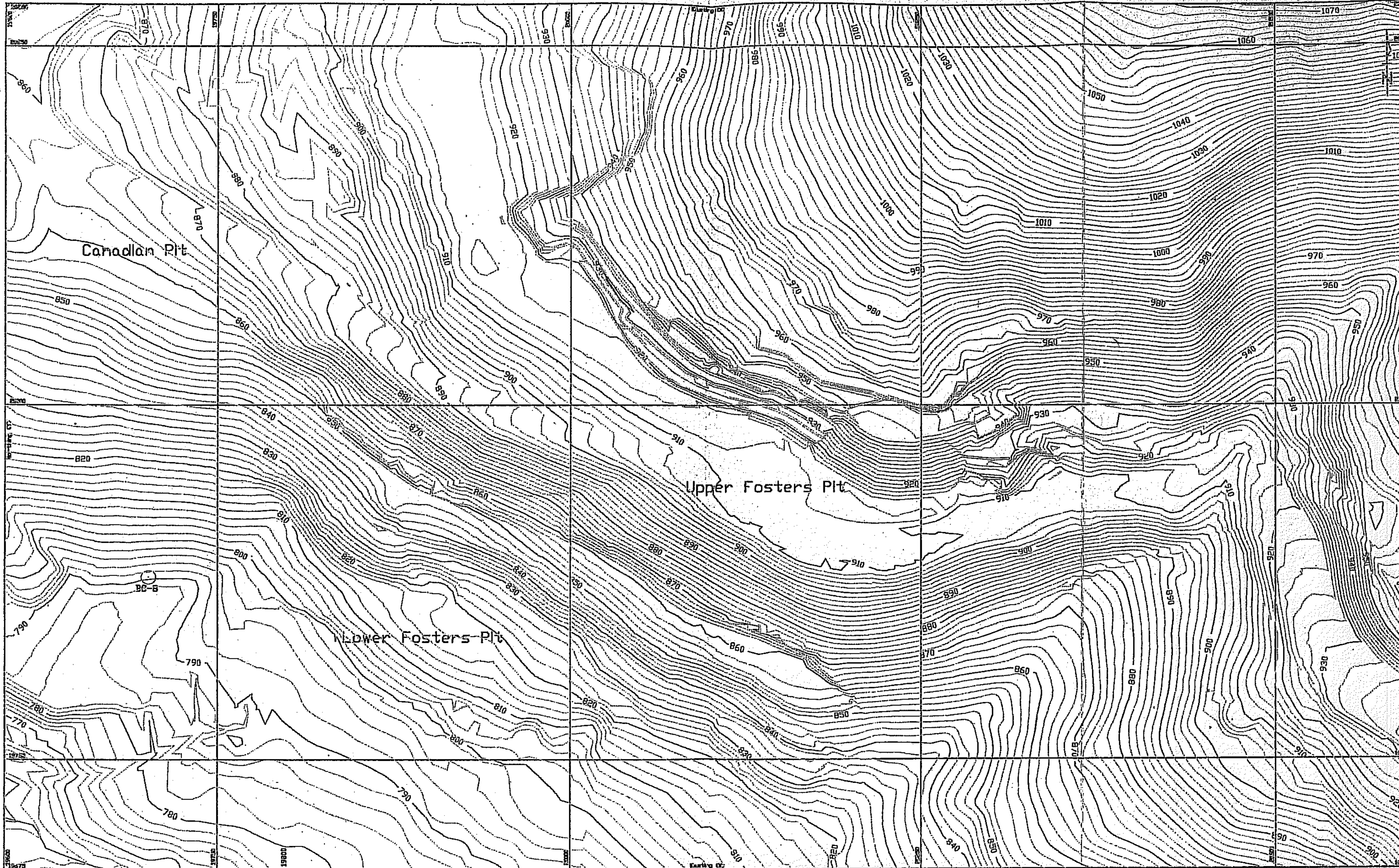
OFFICE	DEPARTMENT
Minesite	Engineering

Prepared by Brewery Creek Mine

Canadian Pit & Adjacent Area
Development to end 2004

MAP SHEET NUMBER	SCALE	REVISED
BC-ENG-04	1:2500	Figur

S:\B_E\Asbuilts_2004\can_Pit\canadian_asb2004.dwg



Legend:
O BC-8 – Water Monitoring Sampling Point

DATE	DRAWN BY	CHECKED	APPROVED
10/08/04	M. Coley	R. Thrall	R. Thrall

Viceroy Minerals Corporation

Brewery Creek Mine

OFFICE	DEPARTMENT
Minesite	Engineering

Upper and Lower Fosters Pits Development to end 2004

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
BC-ENG-04	1:2500	Figure 7

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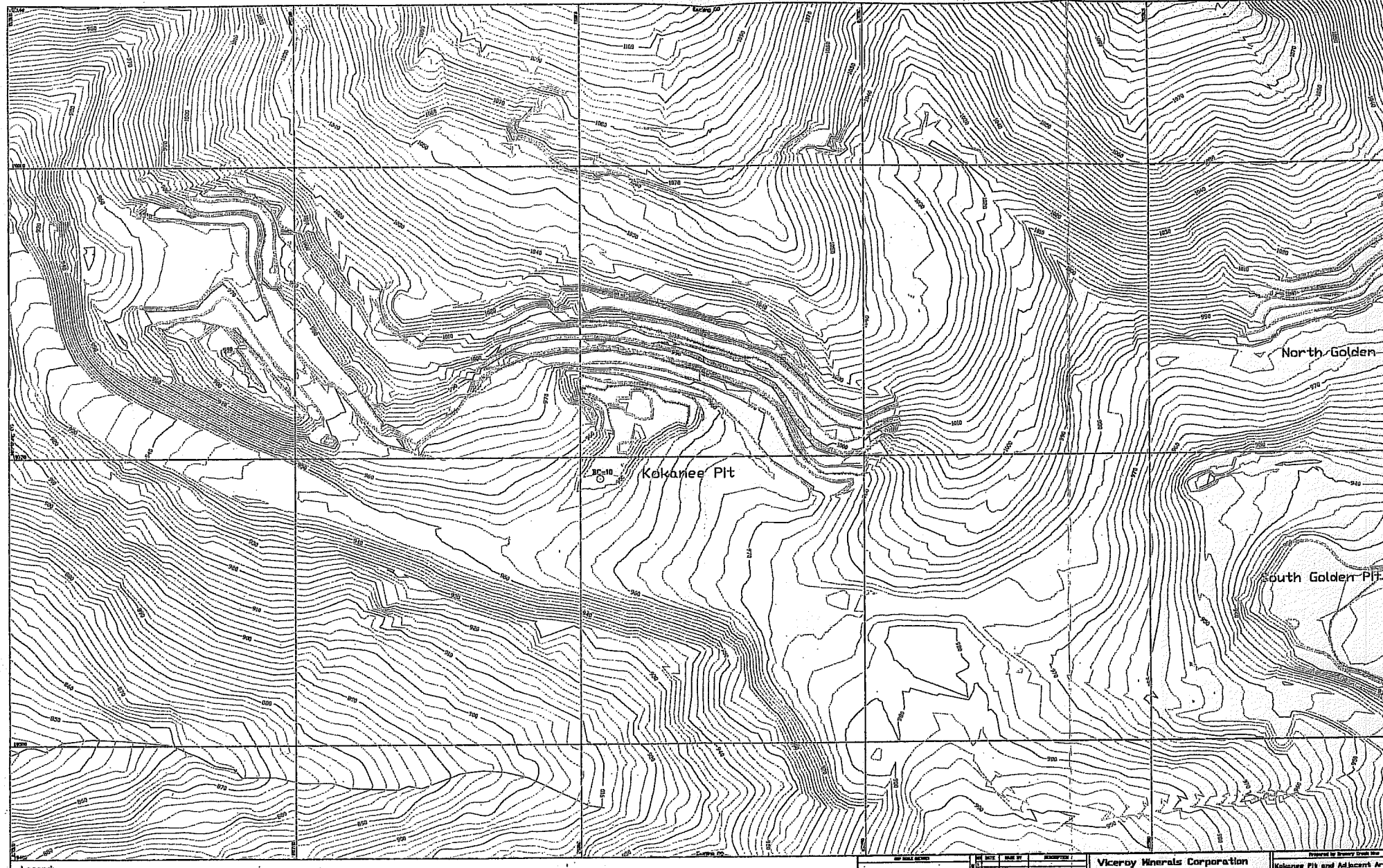

Legend:
⊙ BC-10 Water Monitoring Sampling Point

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2			
3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
10/28/2004	S. Daley	S. Thrall	S. Thrall

Viceroy Minerals Corporation
Brewery Creek Mine

OFFICE	DEPARTMENT
Minesite	Engineering

Prepared by Brewery Creek Mine

Kokanee Pit and Adjacent Ar
Development to end 2004

DWG NUMBER	SCALE
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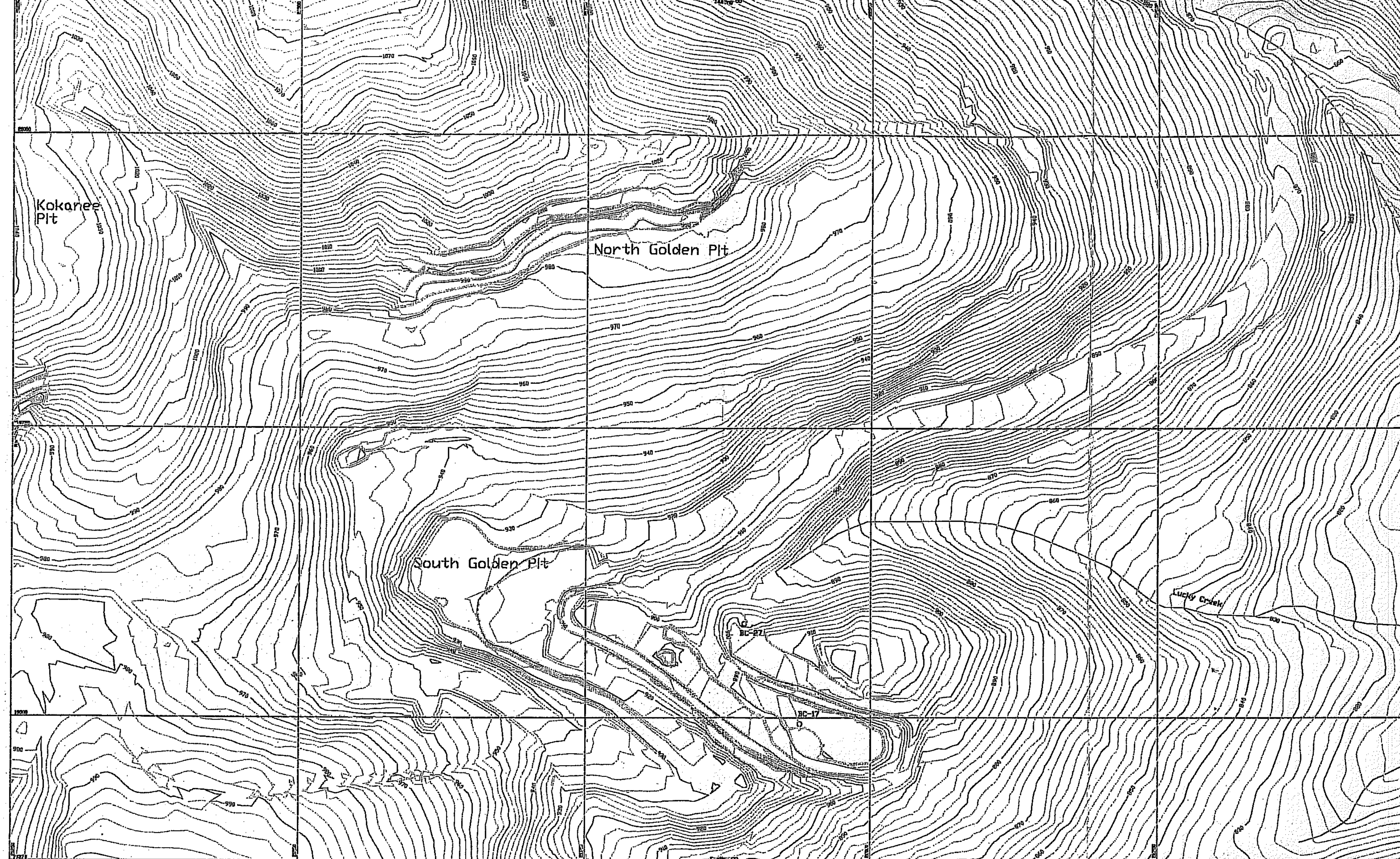

Legend:
o BC-27 - Water Monitoring Sampling Point

Viceroy Minerals Corporation
Brewery Creek Mine

Golden Pit and Adjacent Ar
Development to end 2004

Minesite | Engineering

BC-ENG-04 | 1:3000

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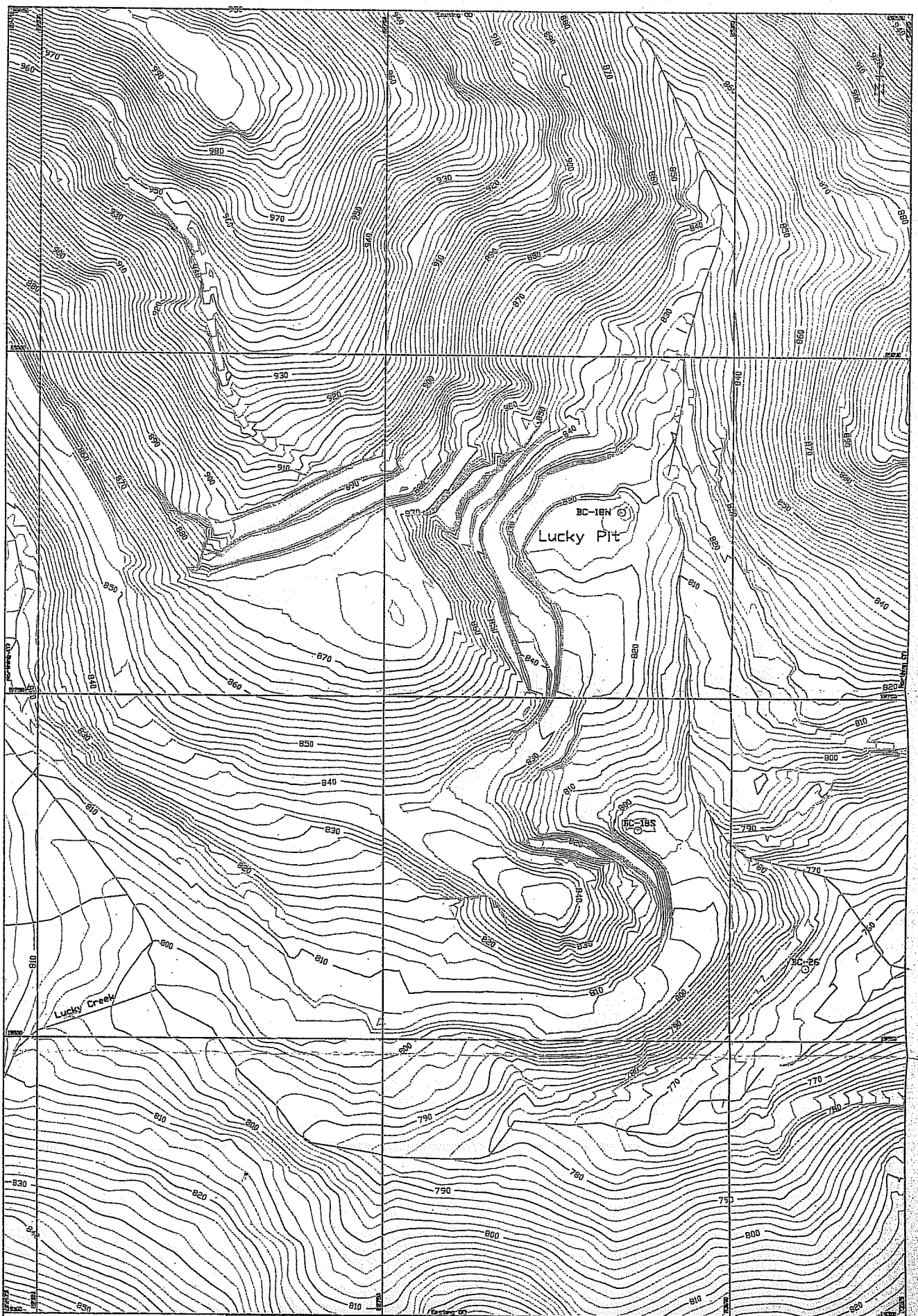
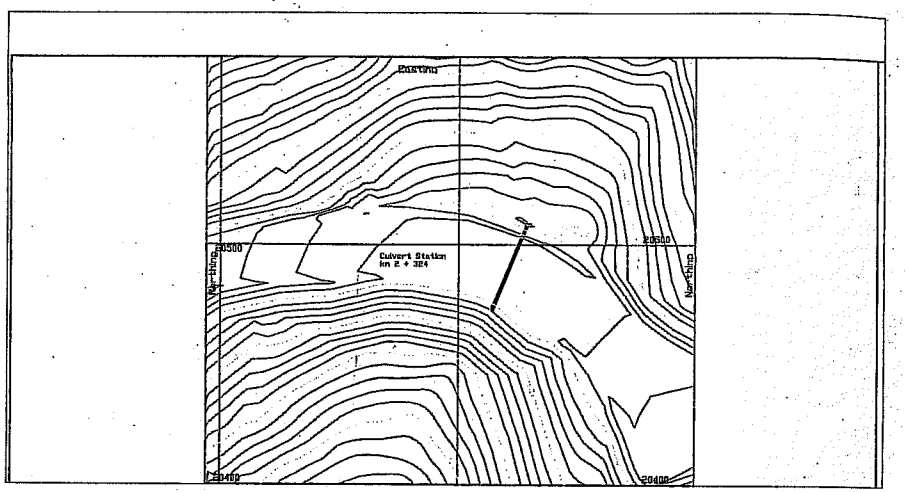

BC-16N
Lucky Pit
BC-16S
BC-26
Lucky Creek
Viceroy Minerals Corporation
Brewery Creek Mine
Lucky Pit & Adjacent Areas
Development to end 2004



HAUL ROAD ASBUILT 2003

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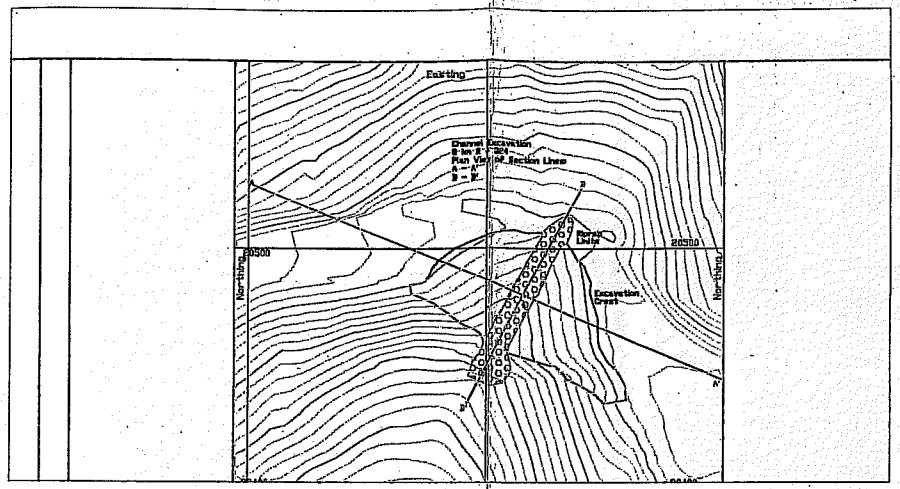

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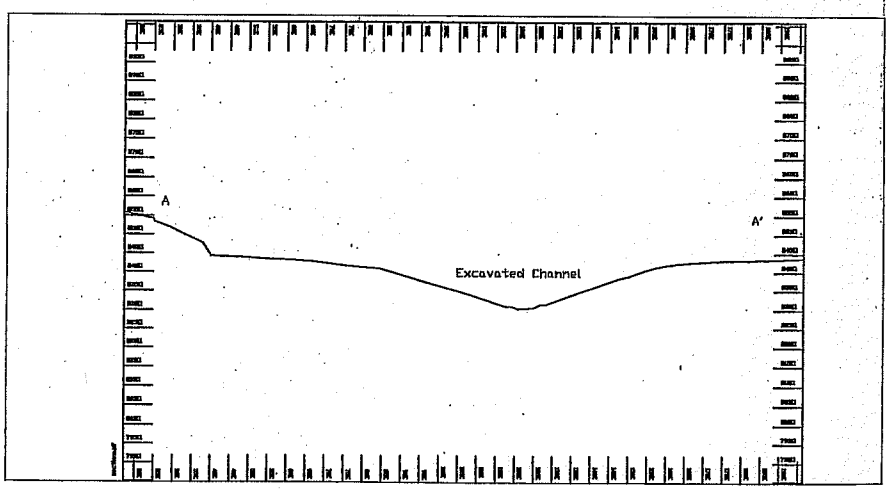

CROSS SECTION A-A'

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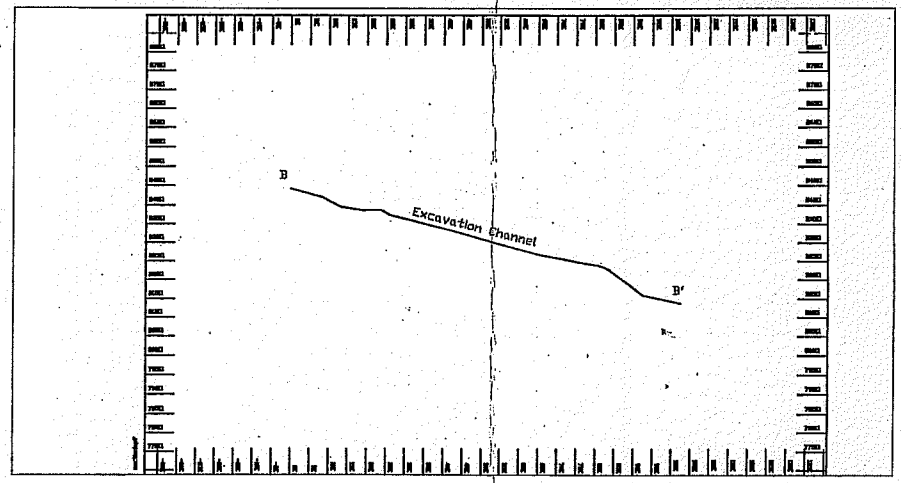

CROSS SECTION B-B'

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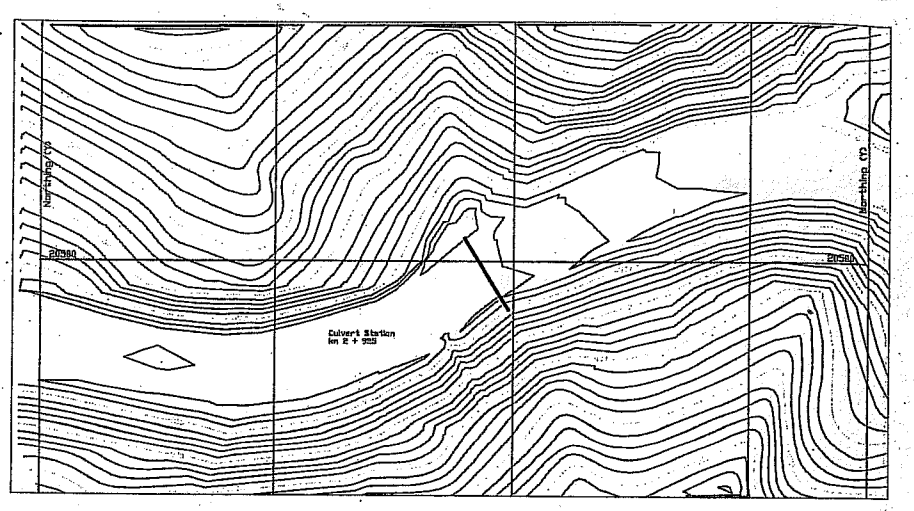
CADD FILE DIR:

VICEROY RESOURCE CORPORATION

HAUL ROAD STREAM CROSSING
STATION 2+324

DRAWN BY: M. Caley	SCALE:
DATA BY: B. Thrall	MAP INDEX:
DATE: Oct 6, 2004	FIGURE 11



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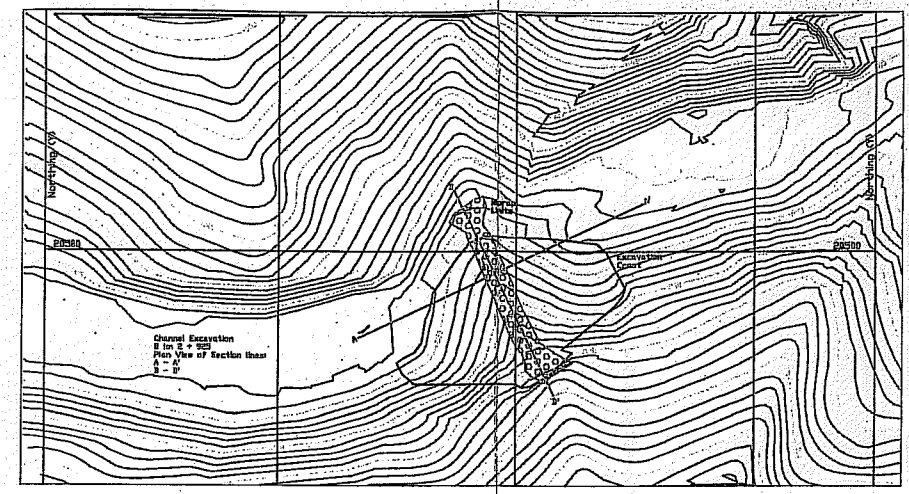

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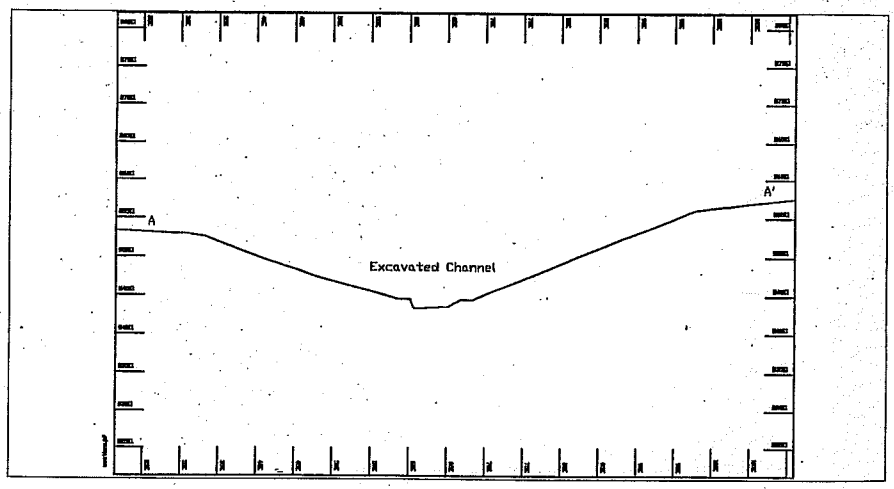

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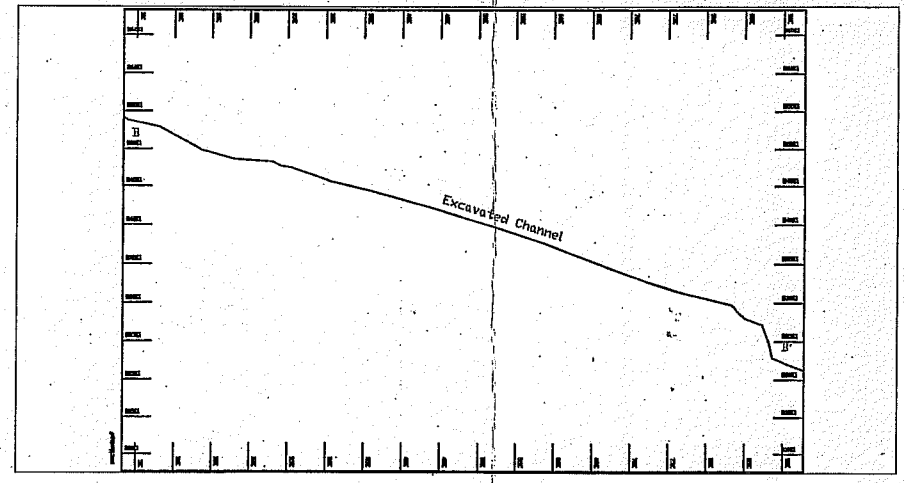

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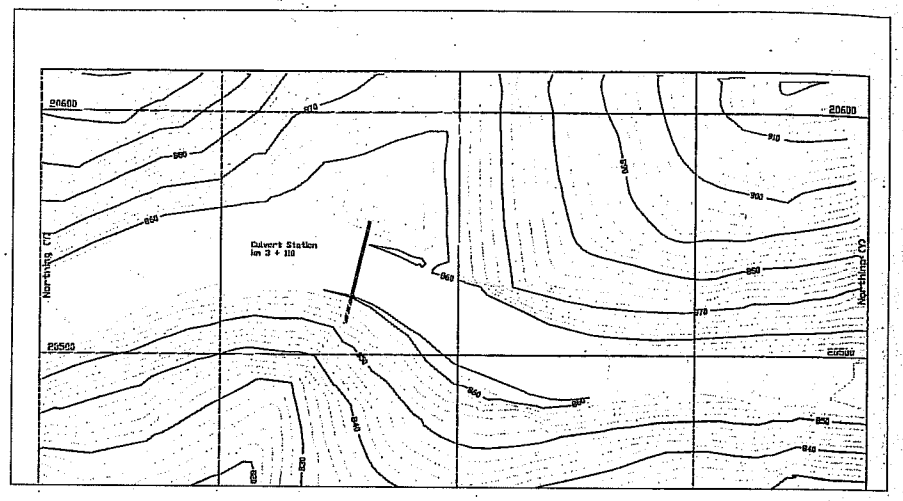
CADD FILE DIR:

VICEROY RESOURCE CORPORATION

HAUL ROAD STREAM CROSSING
STATION 2+925

DRAWN BY: M. Coley	SCALE:
DATA BY: B. Thrall	MAP INDEX:
DATE: Oct. 8, 2004	FIGURE 12



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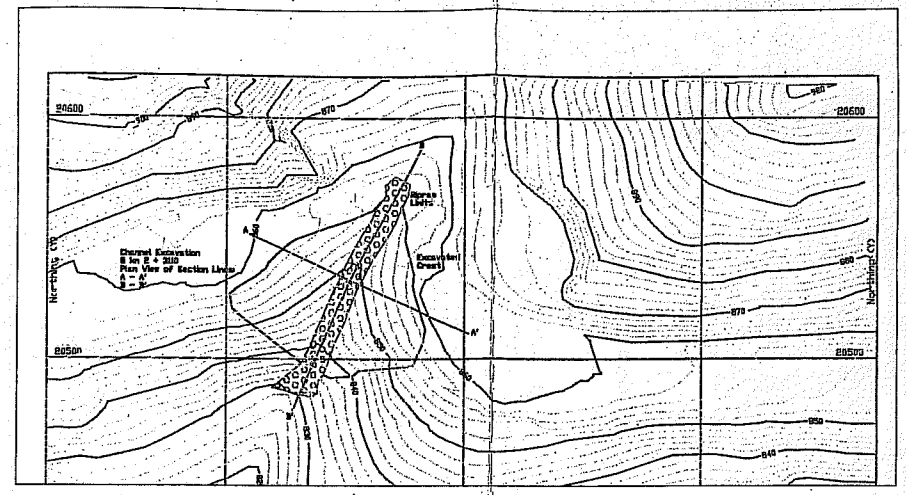

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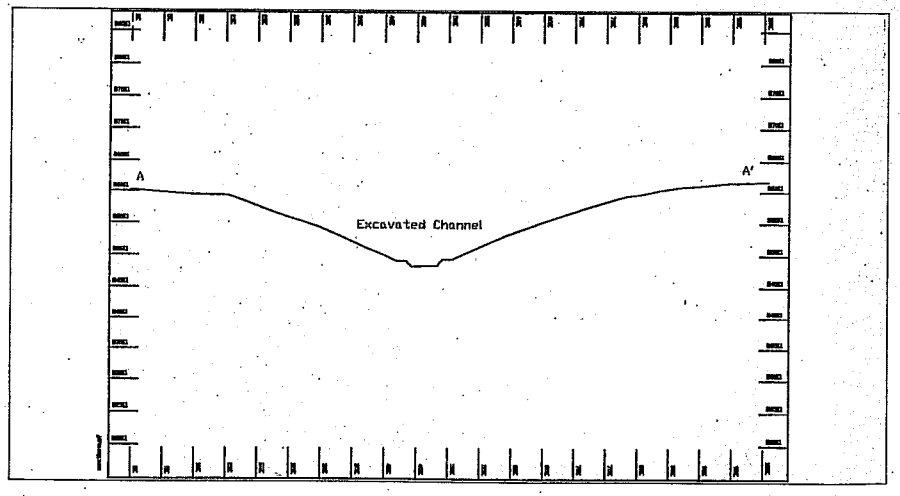

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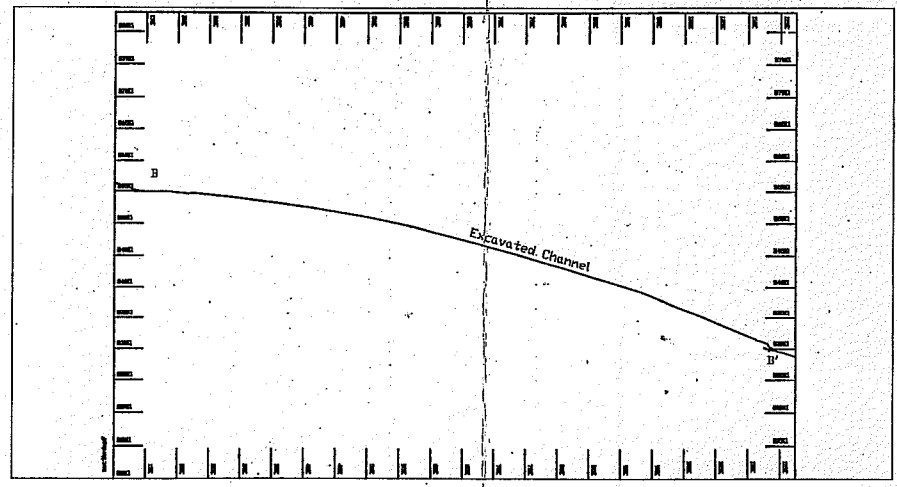


CROSS SECTION B-B'

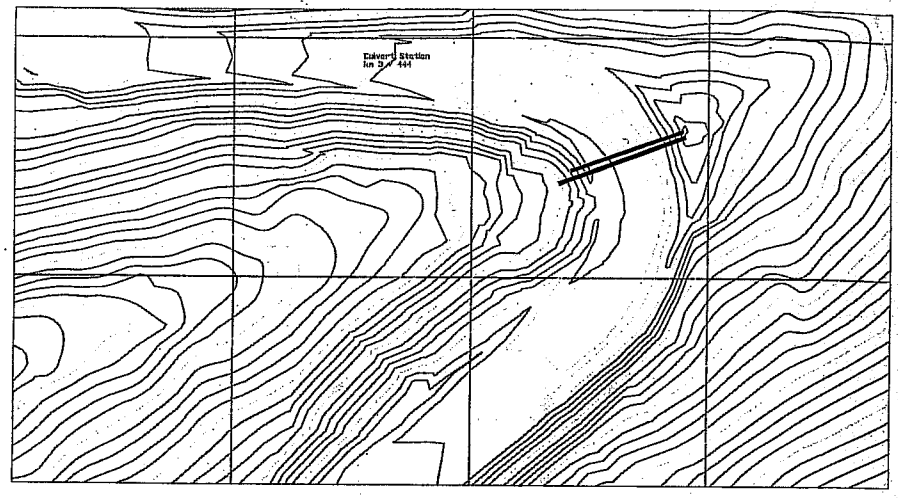
SCALE: 1:300

CADD FILE DIR:

VICEROY RESOURCE CORPORATION

HAUL ROAD STREAM CROSSING
STATION 3+110

DRAWN BY: M. Coley	SCALE:
DATA BY: B. Thrall	MAP INDEX:
DATE: Oct. 8, 2004	FIGURE 13



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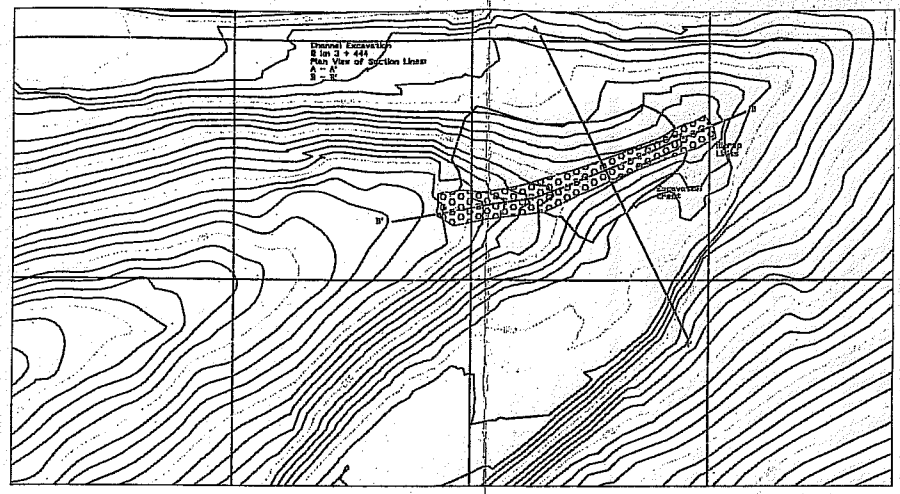

HAUL ROAD CROSSING ASBUILT 2004

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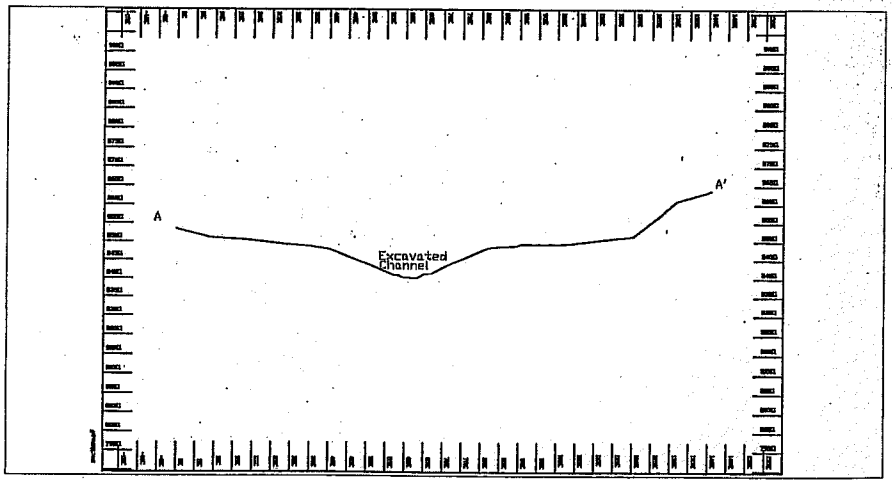

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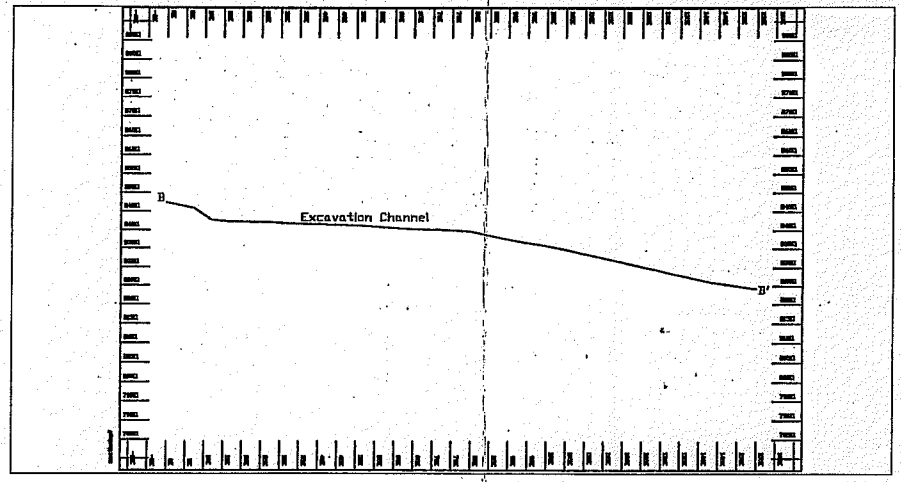


CROSS SECTION B-B'

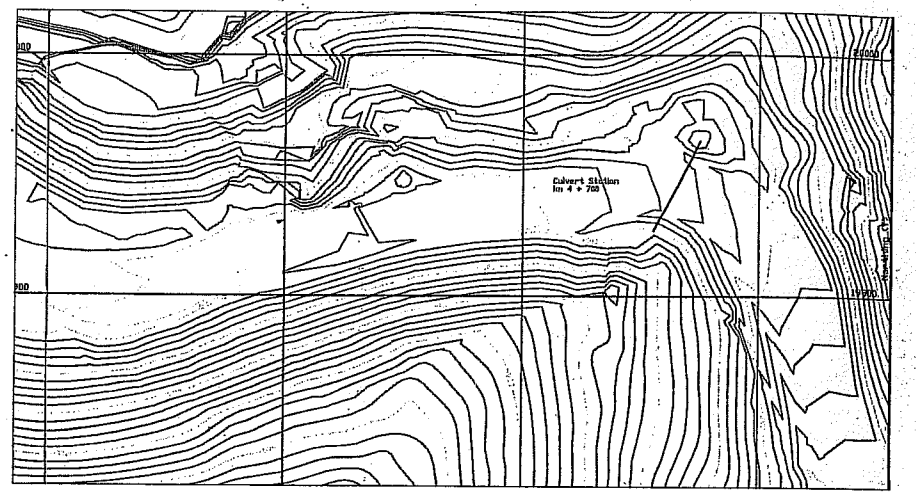
SCALE: 1:500

CADD FILE DIR:

VICEROY RESOURCE CORPORATION

HAUL ROAD STREAM CROSSING
STATION 3+444

DRAWN BY: M. Coley	SCALE:
DATA BY: B. Thrall	MAP INDEX:
DATE: Oct. 8, 2004	FIGURE 14



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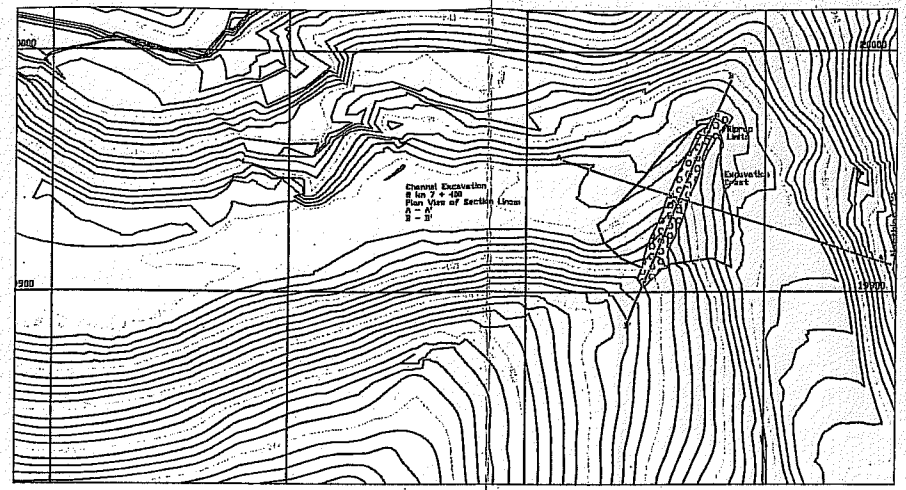

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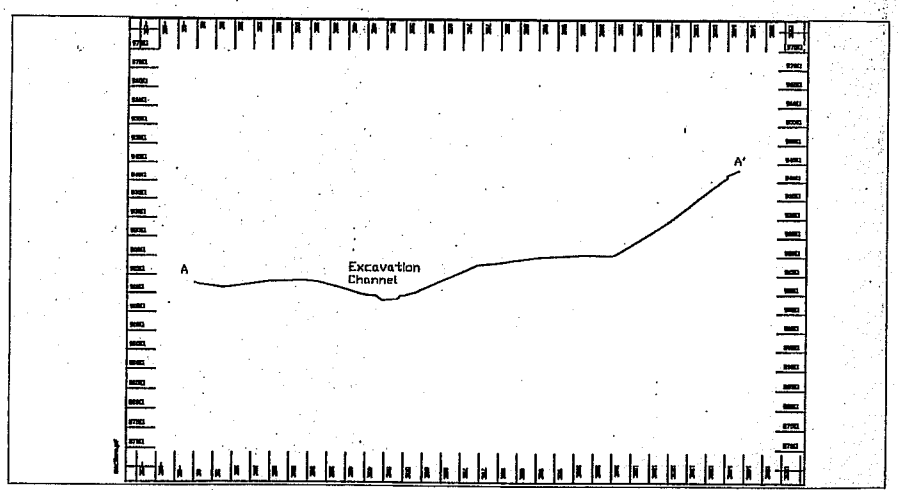

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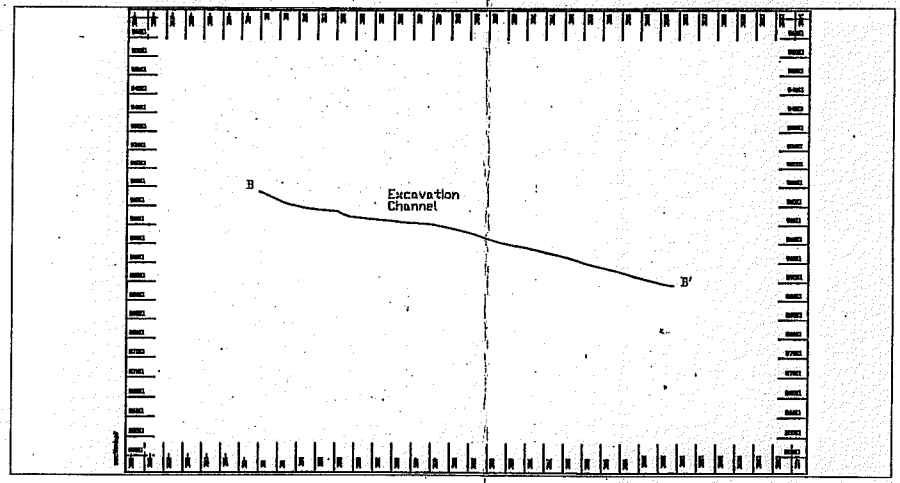


CROSS SECTION B-B'

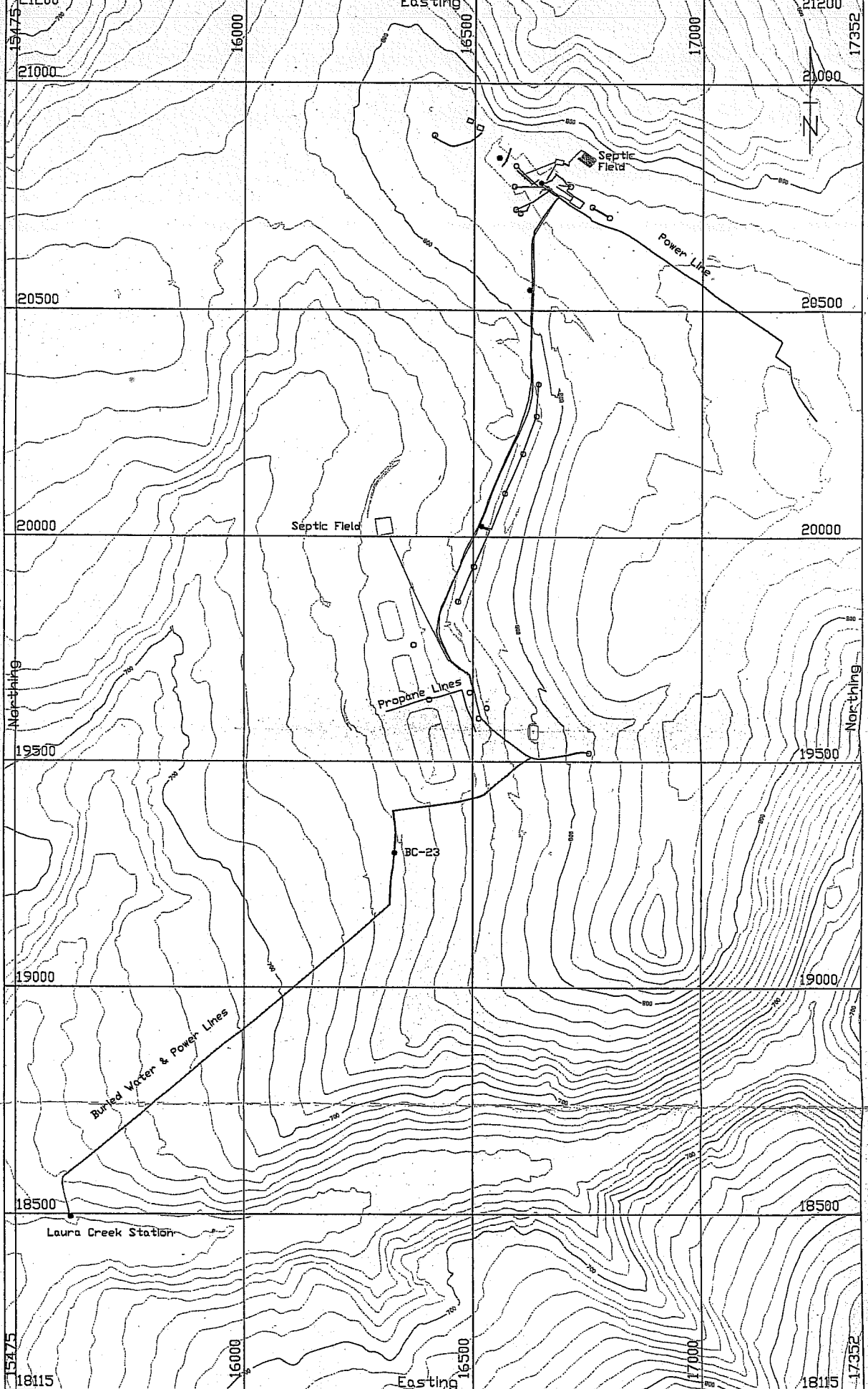
SCALE: 1:500

CADD FILE DIR:

VICEROY RESOURCE CORPORATION

HAUL ROAD STREAM CROSSING
STATION 4+700

DRAWN BY: M. Coley	SCALE:
DATA BY: B. Thrall	MAP INDEX:
DATE: Oct. 8, 2004	FIGURE 15



Legend

- Terminated Electrical Line
- Underground Power Termination Locations
- Propane Lines
- Septic Fields & Sewer Lines
- Underground Power Lines

NO	DATE	MADE BY	DESCRIPTION
REVISIONS 1			
2			
3			
4			
5			

Viceroy Minerals Corporation

Brewery Creek Mine

Prepared by Brewery Creek Mine

Buried Inactive Utility Lines

Appendix A
CLIMATE

- A-1 Summary (table & figure)
- A-2 Climate Data by Month
- A-3 Historical Data Summary
- A-4.2 Summary: BCM & Dawson City Airport
- A-6 Snow Survey Data
- A-7.1 Evaporation Pan Data by Month
- A-7.2 Evaporation Pan Data Summary

VICEROY MINERALS CORPORATION

Brewery Creek Mine

APPENDIX A-1

Climate Data - Summary 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Precipitation (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
January	n/a	n/a	n/a	-5.3	-36.0	n/a	27.9	n/a	n/a
February	n/a	n/a	n/a	1.0	-34.0	n/a	18.4	n/a	n/a
March	n/a	n/a	n/a	5.0	-30.0	n/a	17.5	n/a	n/a
April	n/a	n/a	n/a	13.1	-31.0	n/a	11.9	n/a	n/a
May	n/a	n/a	n/a	28.7	-3.0	n/a	11.5	n/a	n/a
June	n/a	n/a	n/a	33.8	2.7	n/a	19.8	n/a	n/a
July	n/a	n/a	n/a	27.3	7.3	n/a	47.6	n/a	n/a
August	n/a	n/a	n/a	26.5	-0.9	n/a	6.4	n/a	n/a
September	n/a	n/a	n/a	17.9	-9.4	n/a	27.0	n/a	n/a
October	n/a	n/a	n/a	8.7	-10.2	n/a	43.0	n/a	n/a
November	n/a	n/a	n/a	3.0	n\a	n/a	31.0	n/a	n/a
December	n/a	n/a	n/a	3.0	n\a	n/a	37.1	n/a	n/a
Summary	**n/a**	**n/a**	**n/a**	**33.8**	**-36.0**	**n/a**	**299.1**	**n/a**	**n/a**

Jan-Feb precip determined by snowpack measurement

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - January 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Jan-04	n/a	n/a	n/a	-11.4	-30.0	-20.7		n/a	n/a
2-Jan-04	n/a	n/a	n/a					n/a	n/a
3-Jan-04	n/a	n/a	n/a					n/a	n/a
4-Jan-04	n/a	n/a	n/a	-26.0	-30.0	-28.0		n/a	n/a
5-Jan-04	n/a	n/a	n/a					n/a	n/a
6-Jan-04	n/a	n/a	n/a					n/a	n/a
7-Jan-04	n/a	n/a	n/a					n/a	n/a
8-Jan-04	n/a	n/a	n/a					n/a	n/a
9-Jan-04	n/a	n/a	n/a					n/a	n/a
10-Jan-04	n/a	n/a	n/a					n/a	n/a
11-Jan-04	n/a	n/a	n/a	-5.3	-31.0	-18.2		n/a	n/a
12-Jan-04	n/a	n/a	n/a					n/a	n/a
13-Jan-04	n/a	n/a	n/a					n/a	n/a
14-Jan-04	n/a	n/a	n/a	-11.9	-22.0	-17.0		n/a	n/a
15-Jan-04	n/a	n/a	n/a					n/a	n/a
16-Jan-04	n/a	n/a	n/a					n/a	n/a
17-Jan-04	n/a	n/a	n/a					n/a	n/a
18-Jan-04	n/a	n/a	n/a	-21.0	-31.0	-26.0		n/a	n/a
19-Jan-04	n/a	n/a	n/a					n/a	n/a
20-Jan-04	n/a	n/a	n/a	-17.0	-29.0	-23.0		n/a	n/a
21-Jan-04	n/a	n/a	n/a					n/a	n/a
22-Jan-04	n/a	n/a	n/a	-13.0	-20.0	-16.5		n/a	n/a
23-Jan-04	n/a	n/a	n/a					n/a	n/a
24-Jan-04	n/a	n/a	n/a	-13.0	-28.0	-20.5		n/a	n/a
25-Jan-04	n/a	n/a	n/a					n/a	n/a
26-Jan-04	n/a	n/a	n/a	-28.0	-36.0	-32.0		n/a	n/a
27-Jan-04	n/a	n/a	n/a					n/a	n/a
28-Jan-04	n/a	n/a	n/a	-28.0	-36.0	-32.0		n/a	n/a
29-Jan-04	n/a	n/a	n/a					n/a	n/a
30-Jan-04	n/a	n/a	n/a	-33.0	-35.0	-34.0		n/a	n/a
31-Jan-04	n/a	n/a	n/a					n/a	n/a
							27.9		

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	-29.8	°C	Monthly Min. Temp.	-36.0	°C
Ave. Daily Max. Temp.	-18.9	°C	Monthly Max. Temp.	-5.3	°C
Total Precip (based on snowpack)	27.9	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - February 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Feb-04	n/a	n/a	n/a					n/a	n/a
2-Feb-04	n/a	n/a	n/a	-21.0	-34.0	-27.5		n/a	n/a
3-Feb-04	n/a	n/a	n/a					n/a	n/a
4-Feb-04	n/a	n/a	n/a	-8.0	-21.0	-14.5		n/a	n/a
5-Feb-04	n/a	n/a	n/a					n/a	n/a
6-Feb-04	n/a	n/a	n/a	0.0	-8.0	-4.0		n/a	n/a
7-Feb-04	n/a	n/a	n/a					n/a	n/a
8-Feb-04	n/a	n/a	n/a					n/a	n/a
9-Feb-04	n/a	n/a	n/a	0.0	-7.0	-3.5		n/a	n/a
10-Feb-04	n/a	n/a	n/a					n/a	n/a
11-Feb-04	n/a	n/a	n/a	1.0	-7.0	-3.0		n/a	n/a
12-Feb-04	n/a	n/a	n/a					n/a	n/a
13-Feb-04	n/a	n/a	n/a	0.0	-13.0	-6.5		n/a	n/a
14-Feb-04	n/a	n/a	n/a					n/a	n/a
15-Feb-04	n/a	n/a	n/a					n/a	n/a
16-Feb-04	n/a	n/a	n/a	-5.0	-28.0	-16.5		n/a	n/a
17-Feb-04	n/a	n/a	n/a					n/a	n/a
18-Feb-04	n/a	n/a	n/a	-12.0	-22.0	-17.0		n/a	n/a
19-Feb-04	n/a	n/a	n/a					n/a	n/a
20-Feb-04	n/a	n/a	n/a	-13.0	-22.0	-17.5		n/a	n/a
21-Feb-04	n/a	n/a	n/a					n/a	n/a
22-Feb-04	n/a	n/a	n/a					n/a	n/a
23-Feb-04	n/a	n/a	n/a	-8.0	-14.0	-11.0		n/a	n/a
24-Feb-04	n/a	n/a	n/a					n/a	n/a
25-Feb-04	n/a	n/a	n/a					n/a	n/a
26-Feb-04	n/a	n/a	n/a	-5.0	-10.0	-7.5		n/a	n/a
27-Feb-04	n/a	n/a	n/a	-7.0	-9.5	-8.3		n/a	n/a
28-Feb-04	n/a	n/a	n/a					n/a	n/a
29-Feb-04	n/a	n/a	n/a					n/a	n/a
							18.4		

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	-16.3	°C	Monthly Min. Temp.	-34.0	°C
Ave. Daily Max. Temp.	-6.5	°C	Monthly Max. Temp.	1.0	°C
Total Precip (based on snowpack)	18.4	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - March 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Mar-04	n/a	n/a	n/a	-7.0	-12.0	-9.5	1.3	n/a	n/a
2-Mar-04	n/a	n/a	n/a					n/a	n/a
3-Mar-04	n/a	n/a	n/a	-8.0	-21.0	-14.5		n/a	n/a
4-Mar-04	n/a	n/a	n/a					n/a	n/a
5-Mar-04	n/a	n/a	n/a	-10.1	-20.0	-15.1		n/a	n/a
6-Mar-04	n/a	n/a	n/a					n/a	n/a
7-Mar-04	n/a	n/a	n/a					n/a	n/a
8-Mar-04	n/a	n/a	n/a	-14.0	-27.0	-20.5		n/a	n/a
9-Mar-04	n/a	n/a	n/a					n/a	n/a
10-Mar-04	n/a	n/a	n/a	-6.0	-25.0	-15.5		n/a	n/a
11-Mar-04	n/a	n/a	n/a					n/a	n/a
12-Mar-04	n/a	n/a	n/a	-10.0	-21.0	-15.5	5.1	n/a	n/a
13-Mar-04	n/a	n/a	n/a					n/a	n/a
14-Mar-04	n/a	n/a	n/a					n/a	n/a
15-Mar-04	n/a	n/a	n/a	3.0	-12.0	-4.5		n/a	n/a
16-Mar-04	n/a	n/a	n/a					n/a	n/a
17-Mar-04	n/a	n/a	n/a					n/a	n/a
18-Mar-04	n/a	n/a	n/a	3.0	-17.0	-7.0	1.7	n/a	n/a
19-Mar-04	n/a	n/a	n/a	-3.0	-25.0	-14.0		n/a	n/a
20-Mar-04	n/a	n/a	n/a					n/a	n/a
21-Mar-04	n/a	n/a	n/a					n/a	n/a
22-Mar-04	n/a	n/a	n/a	-3.0	-30.0	-16.5		n/a	n/a
23-Mar-04	n/a	n/a	n/a					n/a	n/a
24-Mar-04	n/a	n/a	n/a					n/a	n/a
25-Mar-04	n/a	n/a	n/a	4.0	-20.0	-8.0		n/a	n/a
26-Mar-04	n/a	n/a	n/a					n/a	n/a
27-Mar-04	n/a	n/a	n/a					n/a	n/a
28-Mar-04	n/a	n/a	n/a					n/a	n/a
29-Mar-04	n/a	n/a	n/a					n/a	n/a
30-Mar-04	n/a	n/a	n/a	5.0	-23.0	-9.0		n/a	n/a
31-Mar-04	n/a	n/a	n/a	5.0	-26.0	-10.5	9.4	n/a	n/a

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	n/a	°C	Monthly Min. Temp.	-30.0	°C
Ave. Daily Max. Temp.	n/a	°C	Monthly Max. Temp.	5.0	°C
Total AWS Precipitation	17.5	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - April 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Apr-04	n/a	n/a	n/a					n/a	n/a
2-Apr-04	n/a	n/a	n/a	-4.0	-21.0	-12.5		n/a	n/a
3-Apr-04	n/a	n/a	n/a					n/a	n/a
4-Apr-04	n/a	n/a	n/a					n/a	n/a
5-Apr-04	n/a	n/a	n/a	9.0	-6.0	1.5	7.8	n/a	n/a
6-Apr-04	n/a	n/a	n/a	8.0	-4.0	2.0		n/a	n/a
7-Apr-04	n/a	n/a	n/a	6.0	0.0	3.0		n/a	n/a
8-Apr-04	n/a	n/a	n/a	12.0	-2.0	5.0		n/a	n/a
9-Apr-04	n/a	n/a	n/a					n/a	n/a
10-Apr-04	n/a	n/a	n/a					n/a	n/a
11-Apr-04	n/a	n/a	n/a					n/a	n/a
12-Apr-04	n/a	n/a	n/a	10.0	-7.0	1.5		n/a	n/a
13-Apr-04	n/a	n/a	n/a	3.0	-10.0	-3.5		n/a	n/a
14-Apr-04	n/a	n/a	n/a	3.0	-11.0	-4.0		n/a	n/a
15-Apr-04	n/a	n/a	n/a	2.1	-11.0	-4.5		n/a	n/a
16-Apr-04	n/a	n/a	n/a					n/a	n/a
17-Apr-04	n/a	n/a	n/a					n/a	n/a
18-Apr-04	n/a	n/a	n/a	5.5	-8.8	-1.7		n/a	n/a
19-Apr-04	n/a	n/a	n/a	6.1	-2.4	1.9		n/a	n/a
20-Apr-04	n/a	n/a	n/a	10.0	-4.7	2.7		n/a	n/a
21-Apr-04	n/a	n/a	n/a	9.0	-5.0	2.0		n/a	n/a
22-Apr-04	n/a	n/a	n/a					n/a	n/a
23-Apr-04	n/a	n/a	n/a					n/a	n/a
24-Apr-04	n/a	n/a	n/a					n/a	n/a
25-Apr-04	n/a	n/a	n/a					n/a	n/a
26-Apr-04	n/a	n/a	n/a	12.0	-4.0	4.0	4.1	n/a	n/a
27-Apr-04	n/a	n/a	n/a					n/a	n/a
28-Apr-04	n/a	n/a	n/a	12.5	-1.9	5.3		n/a	n/a
29-Apr-04	n/a	n/a	n/a	13.1	2.0	7.6		n/a	n/a
30-Apr-04	n/a	n/a	n/a	13.1	4.5	8.8		n/a	n/a

MONTHLY SUMMARY

Average Temperature **n/a** °C
Ave. Daily Min. Temp. **n/a** °C
Ave. Daily Max. Temp. **n/a** °C

Monthly Min. Temp. **-21.0** °C
Monthly Max. Temp. **13.1** °C

Total AWS Precipitation **11.9** mm

Median Wind Direction **n/a** ° E of N
Ave. Wind Magnitude **n/a** m/s
Max. Wind Gust **n/a** m/s

Ave. Pyranometer **n/a** watts/m2
Ave. Rel. Humidity **n/a** %

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - May 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-May-04	n\a	n\a	n\a					n\a	n\a
2-May-04	n\a	n\a	n\a					n\a	n\a
3-May-04	n\a	n\a	n\a					n\a	n\a
4-May-04	n\a	n\a	n\a	8.3	-3.0	2.7		n\a	n\a
5-May-04	n\a	n\a	n\a	6.6	-2.4	2.1		n\a	n\a
6-May-04	n\a	n\a	n\a					n\a	n\a
7-May-04	n\a	n\a	n\a	7.9	1.9	4.9		n\a	n\a
8-May-04	n\a	n\a	n\a					n\a	n\a
9-May-04	n\a	n\a	n\a					n\a	n\a
10-May-04	n\a	n\a	n\a	10.5	1.2	5.9		n\a	n\a
11-May-04	n\a	n\a	n\a	11.7	3.5	7.6		n\a	n\a
12-May-04	n\a	n\a	n\a	13.5	1.6	7.6		n\a	n\a
13-May-04	n\a	n\a	n\a	15.7	5.5	10.6	2.0	n\a	n\a
14-May-04	n\a	n\a	n\a					n\a	n\a
15-May-04	n\a	n\a	n\a					n\a	n\a
16-May-04	n\a	n\a	n\a	28.7	5.5	17.1		n\a	n\a
17-May-04	n\a	n\a	n\a	22.0	6.7	14.4		n\a	n\a
18-May-04	n\a	n\a	n\a	16.2	3.2	9.7		n\a	n\a
19-May-04	n\a	n\a	n\a	14.7	2.1	8.4		n\a	n\a
20-May-04	n\a	n\a	n\a	14.1	2.6	8.4		n\a	n\a
21-May-04	n\a	n\a	n\a					n\a	n\a
22-May-04	n\a	n\a	n\a					n\a	n\a
23-May-04	n\a	n\a	n\a					n\a	n\a
24-May-04	n\a	n\a	n\a	21.3	6.0	13.7		n\a	n\a
25-May-04	n\a	n\a	n\a	15.3	6.8	11.1	5.5	n\a	n\a
26-May-04	n\a	n\a	n\a	16.1	2.4	9.3	4.0	n\a	n\a
27-May-04	n\a	n\a	n\a	22.3	7.8	15.1		n\a	n\a
28-May-04	n\a	n\a	n\a					n\a	n\a
29-May-04	n\a	n\a	n\a					n\a	n\a
30-May-04	n\a	n\a	n\a	24.5	8.4	16.5		n\a	n\a
31-May-04	n\a	n\a	n\a	20.2	7.9	14.1		n\a	n\a

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	n/a	°C	Monthly Min. Temp.	-3.0	°C
Ave. Daily Max. Temp.	n/a	°C	Monthly Max. Temp.	28.7	°C
Total AWS Precipitation	11.5	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - June 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Jun-04	n\a	n\a	n\a	21.9	6.0	14.0	0.6	n\a	n\a
2-Jun-04	n\a	n\a	n\a	14.7	2.7	8.7	3.4	n\a	n\a
3-Jun-04	n\a	n\a	n\a	20.4	8.9	14.7	3.0	n\a	n\a
4-Jun-04	n\a	n\a	n\a					n\a	n\a
5-Jun-04	n\a	n\a	n\a					n\a	n\a
6-Jun-04	n\a	n\a	n\a	26.0	10.1	18.1		n\a	n\a
7-Jun-04	n\a	n\a	n\a	26.0	11.5	18.8	1.0	n\a	n\a
8-Jun-04	n\a	n\a	n\a	22.4	9.8	16.1		n\a	n\a
9-Jun-04	n\a	n\a	n\a	25.1	10.4	17.8	2.8	n\a	n\a
10-Jun-04	n\a	n\a	n\a	23.8	8.3	16.1		n\a	n\a
11-Jun-04	n\a	n\a	n\a				0.5	n\a	n\a
12-Jun-04	n\a	n\a	n\a					n\a	n\a
13-Jun-04	n\a	n\a	n\a	25.1	9.7	17.4		n\a	n\a
14-Jun-04	n\a	n\a	n\a	24.1	10.4	17.3	2.0	n\a	n\a
15-Jun-04	n\a	n\a	n\a	29.5	13.3	21.4		n\a	n\a
16-Jun-04	n\a	n\a	n\a	30.5	15.9	23.2		n\a	n\a
17-Jun-04	n\a	n\a	n\a	32.2	15.6	23.9		n\a	n\a
18-Jun-04	n\a	n\a	n\a					n\a	n\a
19-Jun-04	n\a	n\a	n\a					n\a	n\a
20-Jun-04	n\a	n\a	n\a	33.8	14.8	24.3		n\a	n\a
21-Jun-04	n\a	n\a	n\a	32.3	18.4	25.4		n\a	n\a
22-Jun-04	n\a	n\a	n\a					n\a	n\a
23-Jun-04	n\a	n\a	n\a	28.3	11.4	19.9	6.5	n\a	n\a
24-Jun-04	n\a	n\a	n\a	28.7	15.6	22.2		n\a	n\a
25-Jun-04	n\a	n\a	n\a					n\a	n\a
26-Jun-04	n\a	n\a	n\a					n\a	n\a
27-Jun-04	n\a	n\a	n\a	31.3	16.1	23.7		n\a	n\a
28-Jun-04	n\a	n\a	n\a	25.3	15.6	20.5		n\a	n\a
29-Jun-04	n\a	n\a	n\a	26.6	13.6	20.1		n\a	n\a
30-Jun-04	n\a	n\a	n\a					n\a	n\a

MONTHLY SUMMARY

Average Temperature **n/a** °C
Ave. Daily Min. Temp. **n/a** °C
Ave. Daily Max. Temp. **n/a** °C

Monthly Min. Temp. **2.7** °C
Monthly Max. Temp. **33.8** °C

Total AWS Precipitation **19.8** mm

Median Wind Direction **n/a** ° E of N
Ave. Wind Magnitude **n/a** m/s
Max. Wind Gust **n/a** m/s

Ave. Pyranometer **n/a** watts/m2
Ave. Rel. Humidity **n/a** %

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - July 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Jul-04	n\a	n\a	n\a					n\a	n\a
2-Jul-04	n\a	n\a	n\a					n\a	n\a
3-Jul-04	n\a	n\a	n\a					n\a	n\a
4-Jul-04	n\a	n\a	n\a	27.3	13.0	20.2		n\a	n\a
5-Jul-04	n\a	n\a	n\a	22.1	9.8	16.0		n\a	n\a
6-Jul-04	n\a	n\a	n\a					n\a	n\a
7-Jul-04	n\a	n\a	n\a					n\a	n\a
8-Jul-04	n\a	n\a	n\a					n\a	n\a
9-Jul-04	n\a	n\a	n\a					n\a	n\a
10-Jul-04	n\a	n\a	n\a					n\a	n\a
11-Jul-04	n\a	n\a	n\a	25.0	15.2	20.1		n\a	n\a
12-Jul-04	n\a	n\a	n\a	24.2	7.3	15.8		n\a	n\a
13-Jul-04	n\a	n\a	n\a	25.5	14.5	20.0		n\a	n\a
14-Jul-04	n\a	n\a	n\a	26.8	15.3	21.1		n\a	n\a
15-Jul-04	n\a	n\a	n\a	24.1	14.6	19.4		n\a	n\a
16-Jul-04	n\a	n\a	n\a	26.8	13.1	20.0		n\a	n\a
17-Jul-04	n\a	n\a	n\a					n\a	n\a
18-Jul-04	n\a	n\a	n\a	25.2	12.1	18.7	2.0	n\a	n\a
19-Jul-04	n\a	n\a	n\a	26.8	13.1	20.0		n\a	n\a
20-Jul-04	n\a	n\a	n\a	24.5	12.2	18.4		n\a	n\a
21-Jul-04	n\a	n\a	n\a	24.3	14.2	19.3		n\a	n\a
22-Jul-04	n\a	n\a	n\a	23.2	9.1	16.2	1.6	n\a	n\a
23-Jul-04	n\a	n\a	n\a				0.6	n\a	n\a
24-Jul-04	n\a	n\a	n\a					n\a	n\a
25-Jul-04	n\a	n\a	n\a	25.2	9.5	17.4		n\a	n\a
26-Jul-04	n\a	n\a	n\a	23.1	13.1	18.1	3.0	n\a	n\a
27-Jul-04	n\a	n\a	n\a	22.4	12.1	17.3		n\a	n\a
28-Jul-04	n\a	n\a	n\a	17.9	10.8	14.4		n\a	n\a
29-Jul-04	n\a	n\a	n\a	15.8	10.7	13.3	32.0	n\a	n\a
30-Jul-04	n\a	n\a	n\a				8.4	n\a	n\a
31-Jul-04	n\a	n\a	n\a					n\a	n\a

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	n/a	°C	Monthly Min. Temp.	7.3	°C
Ave. Daily Max. Temp.	n/a	°C	Monthly Max. Temp.	27.3	°C
Total AWS Precipitation	47.6	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - August 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Aug-04	n\a	n\a	n\a	21.9	5.0	13.5		n\a	n\a
2-Aug-04	n\a	n\a	n\a	19.7	4.2	12.0	5.8	n\a	n\a
3-Aug-04	n\a	n\a	n\a	22.3	7.3	14.8		n\a	n\a
4-Aug-04	n\a	n\a	n\a	22.1	6.8	14.5		n\a	n\a
5-Aug-04	n\a	n\a	n\a	26.3	7.7	17.0		n\a	n\a
6-Aug-04	n\a	n\a	n\a					n\a	n\a
7-Aug-04	n\a	n\a	n\a					n\a	n\a
8-Aug-04	n\a	n\a	n\a	26.0	8.9	17.5		n\a	n\a
9-Aug-04	n\a	n\a	n\a	25.1	12.1	18.6		n\a	n\a
10-Aug-04	n\a	n\a	n\a	25.4	10.6	18.0		n\a	n\a
11-Aug-04	n\a	n\a	n\a					n\a	n\a
12-Aug-04	n\a	n\a	n\a					n\a	n\a
13-Aug-04	n\a	n\a	n\a					n\a	n\a
14-Aug-04	n\a	n\a	n\a					n\a	n\a
15-Aug-04	n\a	n\a	n\a					n\a	n\a
16-Aug-04	n\a	n\a	n\a	25.4	10.6	18.0		n\a	n\a
17-Aug-04	n\a	n\a	n\a	24.4	9.9	17.2		n\a	n\a
18-Aug-04	n\a	n\a	n\a	25.6	12.3	19.0		n\a	n\a
19-Aug-04	n\a	n\a	n\a	26.0	13.9	20.0		n\a	n\a
20-Aug-04	n\a	n\a	n\a					n\a	n\a
21-Aug-04	n\a	n\a	n\a					n\a	n\a
22-Aug-04	n\a	n\a	n\a	26.5	9.9	18.2		n\a	n\a
23-Aug-04	n\a	n\a	n\a	21.2	9.3	15.3		n\a	n\a
24-Aug-04	n\a	n\a	n\a	14.4	-0.9	6.8		n\a	n\a
25-Aug-04	n\a	n\a	n\a	14.0	3.9	9.0		n\a	n\a
26-Aug-04	n\a	n\a	n\a	15.5	4.9	10.2		n\a	n\a
27-Aug-04	n\a	n\a	n\a					n\a	n\a
28-Aug-04	n\a	n\a	n\a					n\a	n\a
29-Aug-04	n\a	n\a	n\a	18.3	2.2	10.3		n\a	n\a
30-Aug-04	n\a	n\a	n\a	13.3	3.2	8.3		n\a	n\a
31-Aug-04	n\a	n\a	n\a	14.3	4.6	9.5		n\a	n\a

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	n/a	°C	Monthly Min. Temp.	-0.9	°C
Ave. Daily Max. Temp.	n/a	°C	Monthly Max. Temp.	26.5	°C
Total AWS Precipitation	5.8	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - September 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Sep-04	n\a	n\a	n\a	16.3	3.8	10.1		n\a	n\a
2-Sep-04	n\a	n\a	n\a					n\a	n\a
3-Sep-04	n\a	n\a	n\a					n\a	n\a
4-Sep-04	n\a	n\a	n\a					n\a	n\a
5-Sep-04	n\a	n\a	n\a					n\a	n\a
6-Sep-04	n\a	n\a	n\a	17.9	-4.5	6.7		n\a	n\a
7-Sep-04	n\a	n\a	n\a	7.7	-5.0	1.4	2.0	n\a	n\a
8-Sep-04	n\a	n\a	n\a	8.8	-3.5	2.7		n\a	n\a
9-Sep-04	n\a	n\a	n\a	10.4	-1.6	4.4		n\a	n\a
10-Sep-04	n\a	n\a	n\a					n\a	n\a
11-Sep-04	n\a	n\a	n\a					n\a	n\a
12-Sep-04	n\a	n\a	n\a	11.9	-1.5	5.2		n\a	n\a
13-Sep-04	n\a	n\a	n\a	8.8	-1.7	3.6		n\a	n\a
14-Sep-04	n\a	n\a	n\a	6.3	-1.5	2.4	3.0	n\a	n\a
15-Sep-04	n\a	n\a	n\a	5.2	-4.0	0.6	11.0	n\a	n\a
16-Sep-04	n\a	n\a	n\a		-5.0	-5.0	2.5	n\a	n\a
17-Sep-04	n\a	n\a	n\a				1.0	n\a	n\a
18-Sep-04	n\a	n\a	n\a					n\a	n\a
19-Sep-04	n\a	n\a	n\a	10.9	-5.9	2.5		n\a	n\a
20-Sep-04	n\a	n\a	n\a	5.4	1.6	3.5		n\a	n\a
21-Sep-04	n\a	n\a	n\a	6.4	-0.6	2.9	7.5	n\a	n\a
22-Sep-04	n\a	n\a	n\a					n\a	n\a
23-Sep-04	n\a	n\a	n\a	9.4	-2.5	3.5		n\a	n\a
24-Sep-04	n\a	n\a	n\a					n\a	n\a
25-Sep-04	n\a	n\a	n\a					n\a	n\a
26-Sep-04	n\a	n\a	n\a	8.7	-5.1	1.8		n\a	n\a
27-Sep-04	n\a	n\a	n\a					n\a	n\a
28-Sep-04	n\a	n\a	n\a	-1.4	-8.7	-5.1		n\a	n\a
29-Sep-04	n\a	n\a	n\a	-2.7	-9.4	-6.1		n\a	n\a
30-Sep-04	n\a	n\a	n\a	-0.1	-6.9	-3.5		n\a	n\a

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	n/a	°C	Monthly Min. Temp.	-9.4	°C
Ave. Daily Max. Temp.	n/a	°C	Monthly Max. Temp.	17.9	°C
Total AWS Precipitation	27.0	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - October 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Oct-04	n\a	n\a	n\a				8.5	n\a	n\a
2-Oct-04	n\a	n\a	n\a					n\a	n\a
3-Oct-04	n\a	n\a	n\a	5.0	-10.2	-2.6		n\a	n\a
4-Oct-04	n\a	n\a	n\a	8.7	3.3	6.0		n\a	n\a
5-Oct-04	n\a	n\a	n\a	4.9	2.3	3.6		n\a	n\a
6-Oct-04	n\a	n\a	n\a	6.6	0.4	3.5	5.5	n\a	n\a
7-Oct-04	n\a	n\a	n\a	4.6	-3.2	0.7	7.0	n\a	n\a
8-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
9-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
10-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
11-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
12-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
13-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
14-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
15-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
16-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
17-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
18-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
19-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
20-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
21-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
22-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
23-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
24-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
25-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
26-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
27-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
28-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
29-Oct-04	n\a	n\a	n\a	n/a	n/a	n/a		n\a	n\a
30-Oct-04	n/a	n/a	n/a	n/a	n/a	n/a		n\a	n\a
31-Oct-04	n/a	n/a	n/a	n/a	n/a	n/a	22.0	n\a	n\a

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	n/a	°C	Monthly Min. Temp.	-10.2	°C
Ave. Daily Max. Temp.	n/a	°C	Monthly Max. Temp.	8.7	°C
Total AWS Precipitation	43.0	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - November 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
2-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
3-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
4-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
5-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
6-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
7-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
8-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
9-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
10-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
11-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
12-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
13-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
14-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
15-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
16-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
17-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
18-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
19-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
20-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
21-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
22-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
23-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
24-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a	11.5	n/a	n/a
25-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
26-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
27-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
28-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
29-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a		n/a	n/a
30-Nov-04	n/a	n/a	n/a	n/a	n/a	n\a	19.5	n/a	n/a

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	n/a	°C	Monthly Min. Temp.	n/a	°C
Ave. Daily Max. Temp.	n/a	°C	Monthly Max. Temp.	n/a	°C
Total AWS Precipitation	31.0	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

VICEROY MINERALS CORPORATION
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

Climate Data - December 2004

Date	Wind Dir. (bearing)	Wind Mag. (m/sec)		Temperature (°C)			Ppt. (mm)	Ave. RH (%)	Ave. Pyr. (Watts/m2)
		Ave.	Max.	Max.	Min.	Ave.			
1-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
2-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
3-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
4-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
5-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
6-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
7-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
8-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
9-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
10-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a	3.7	n/a	n/a
11-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
12-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
13-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
14-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a	6.4	n/a	n/a
15-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
16-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
17-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
18-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
19-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
20-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
21-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
22-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
23-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
24-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
25-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
26-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
27-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
28-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
29-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
30-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a		n/a	n/a
31-Dec-04	n/a	n/a	n/a	n\a	n\a	n\a	27.0	n/a	n/a

MONTHLY SUMMARY

Average Temperature	n/a	°C			
Ave. Daily Min. Temp.	n/a	°C	Monthly Min. Temp.	n/a	°C
Ave. Daily Max. Temp.	n/a	°C	Monthly Max. Temp.	n/a	°C
Total AWS Precipitation	37.1	mm			
Median Wind Direction	n/a	° E of N	Ave. Pyranometer	n/a	watts/m2
Ave. Wind Magnitude	n/a	m/s	Ave. Rel. Humidity	n/a	%
Max. Wind Gust	n/a	m/s			

Historical Comparison: 1991 - 2004

[ ] *months missing in excess of 8 days of data*

Average Temperature (°C)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Summary
1991					11.9	15.4	15.5	9.3	6.5				
1993										-0.8	-14.5	-12.6	
1994	-21.9	-23.8	-7.9	1.1	7.5	11.6	15.4	16.0	4.5	-2.2	-18.7	-18.5	-3.1
1995	-16.7	-15.3	-12.8	4.5	9.4	14.0	14.1	11.2	10.2	-2.9	-4.6		
1996		-13.9	-10.4	0.5	5.8	8.7	15.4	9.4	4.0	-9.3	-16.3	-18.5	
1997	-21.8	-8.6	-14.2	0.5	7.3	12.9	16.6	11.5	8.1	-6.7	-7.0	-10.3	-1.0
1998	-21.3	-8.6	-2.2	2.6	9.5	13.8	16.1	11.4	6.0	-2.8	-12.7	-17.4	-0.5
1999	-23.5	-18.3	-7.5	-0.1	5.7	15.1	14.3	14.0	5.2	-4.0	-12.0	-15.9	-2.3
2000	-21.2	-8.0	-4.3	-2.2	5.3	13.9	14.0	9.3	3.5	-4.4	-8.8	-17.2	-1.7
2001	-7.9	-14.4	-8.1	-0.2	4.7	14.0	13.9	13.3	7.3	-3.6	-8.9	-11.7	-0.1
2002	-13.9	-12.2	-11.5	-4.6	6.9	12.0	14.4	9.8	6.7	0.6	-3.9	-9.5	-0.4
2003	-16.0	-11.1	n/a	n/a	6.1	12.7	15.6	12.0	3.1	4.1	-12.7	-19.1	-0.5
2004	-24.3	-11.4	-12.3	1.1	9.9	19.2	18.1	14.4	1.7	2.2	-	-	1.9
Maximum	**-7.9**	**-8.0**	**-2.2**	**4.5**	**11.9**	**19.2**	**18.1**	**16.0**	**10.2**	**4.1**	**-3.9**	**-9.5**	**4.4**
Average	**-18.9**	**-13.2**	**-9.1**	**0.3**	**7.5**	**13.6**	**15.3**	**11.8**	**5.6**	**-2.5**	**-10.9**	**-15.1**	**-1.3**
Minimum	**-24.3**	**-23.8**	**-14.2**	**-4.6**	**4.7**	**8.7**	**13.9**	**9.3**	**1.7**	**-9.3**	**-18.7**	**-19.1**	**-6.3**

Precipitation (mm)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Summary
1991					11.4	16.7	23.8	94.1	43.7				189.7
1993									18.4	20.0	35.3	20.3	94.0
1994	1.6								42.4	40.4	32.7	14.3	131.4
1995	19.8	19.1	10.1	5.5	49.4	39.1	97.9	45.2	64.4	31.3	0.0		381.8
1996	9.3	10.6	6.5	5.4	20.0	38.1	11.1	30.7	34.8	11.9	18.3	8.9	205.6
1997	9.5	2.4	4.2	8.3	24.2	62.0	36.6	52.9	43.3	30.6	13.0	25.4	312.4
1998	5.9	4.7	1.8	4.8	31.3	36.1	21.9	25.4	17.7	20.6	6.5	7.7	184.4
1999	16.0	10.1	10.1	18.9	39.0	40.8	44.3	54.4	7.7	50.2	16.0	31.9	339.2
2000	29.0	16.0	17.1	19.5	48.5	60.3	104.0	40.2	70.3	17.7	21.9	23.0	467.4
2001	13.6	18.9	16.5	12.4	30.7	17.7	69.7	36.6	34.9	21.3	17.7	11.8	301.9
2002	21.9	11.2	9.5	28.4	27.8	43.1	49.9	104.6	20.7	28.4	29.5	37.2	412.2
2003	22.5	29.5	n/a	n/a	36.6	27.8	55.0	41.4	67.4	20.1	39.0	32.2	371.4
2004	27.9	18.4	17.5	11.9	11.5	19.8	47.6	5.8	27.0	43.0	31.0	37.1	298.5
Maximum	**29.0**	**29.5**	**17.5**	**28.4**	**49.4**	**62.0**	**104.0**	**104.6**	**70.3**	**50.2**	**39.0**	**37.2**	**51.8**
Average	**16.1**	**14.1**	**10.4**	**12.8**	**30.0**	**36.5**	**51.1**	**48.3**	**37.9**	**28.0**	**21.7**	**22.7**	**27.5**
Minimum	**1.6**	**2.4**	**1.8**	**4.8**	**11.4**	**16.7**	**11.1**	**5.8**	**7.7**	**11.9**	**0.0**	**7.7**	**6.9**

Historical Comparison: 1991 - 2004

[ ] *months missing in excess of 8 days of data*

Maximum Temperature (°C)

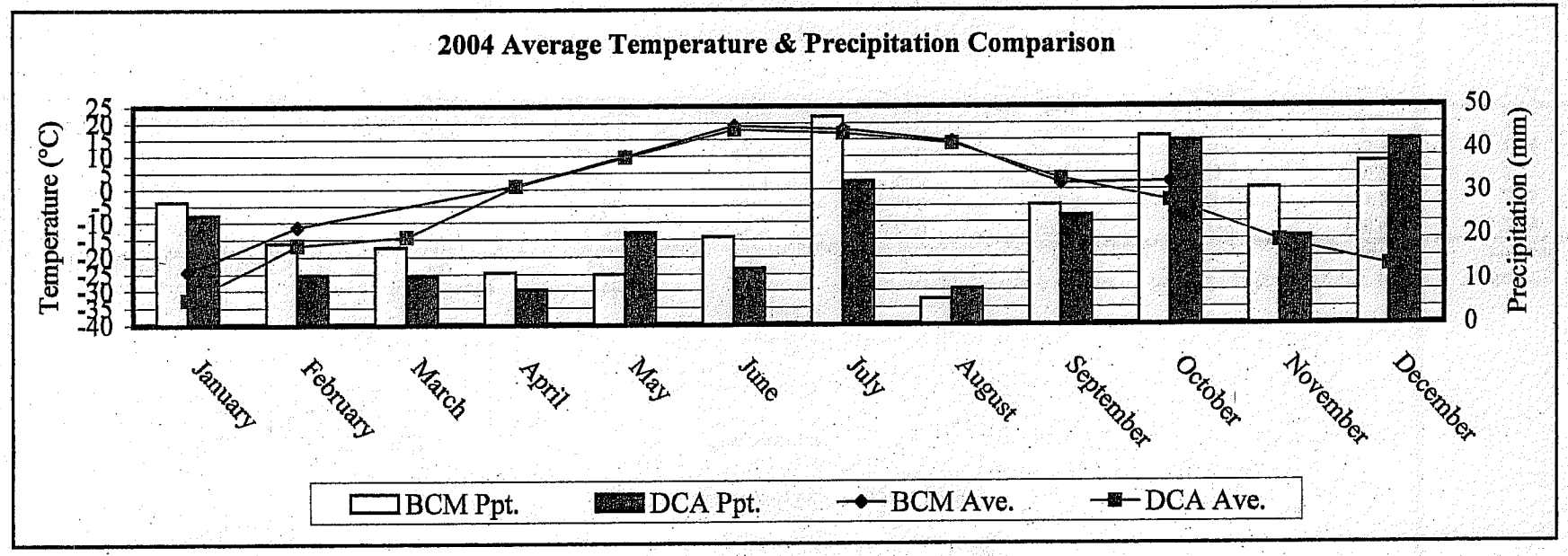
Year	January	February	March	April	May	June	July	August	September	October	November	December	Summary
1991					22.0	31.0	28.0	21.5	17.0				31.0
1993										9.5	-1.9	1.6	
1994	0.5	-8.2	8.2	14.4	19.9	25.7	27.7	30.0	13.9	6.4	0.9	0.3	30.0
1995	3.2	3.4	8.6	19.3	25.7	26.3	23.9	21.8	19.8	4.7	-2.7		26.3
1996		3.1	3.2	11.3	19.5	18.6	24.8	18.3	14.4	4.9	-2.1	-3.5	24.8
1997	1.7	4.7	3.3	14.0	21.5	23.3	26.8	26.0	17.3	6.8	7.9	4.6	26.8
1998	3.7	1.5	6.6	11.7	27.9	27.7	29.9	23.0	14.9	9.8	-0.3	-1.7	29.9
1999	-1.3	-3.6	7.4	14.1	15.3	28.1	26.3	29.5	17.0	7.4	2.8	6.9	29.5
2000	2.9	1.3	8.4	8.2	14.6	25.4	23.5	21.4	12.9	4.9	2.9	0.8	25.4
2001	4.5	5.1	3.7	9.4	14.6	23.5	28.5	22.3	17.3	12.3	1.1	4.1	28.5
2002	1.6	-0.2	1.1	10.7	24.3	22.6	25.5	24.1	14.8	10.4	7.0	0.8	25.5
2003	4.4	2.0	n/a	n/a	19.0	22.2	27.0	24.4	16.3	18.8	0.0	4.2	27.0
2004	-5.3	1.0	5.0	13.1	28.7	33.8	27.3	26.5	17.9	8.7	-	-	33.8
Maximum	**4.5**	**5.1**	**8.6**	**19.3**	**28.7**	**33.8**	**29.9**	**30.0**	**19.8**	**18.8**	**7.9**	**6.9**	**17.8**
Average	**1.6**	**0.9**	**5.5**	**12.6**	**21.1**	**25.7**	**26.6**	**24.1**	**16.1**	**8.7**	**1.4**	**1.8**	**12.2**
Minimum	**-5.3**	**-8.2**	**1.1**	**8.2**	**14.6**	**18.6**	**23.5**	**18.3**	**12.9**	**4.7**	**-2.7**	**-3.5**	**6.9**

Minimum Temperature (°C)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Summary
1991					0.0	2.0	5.0	-2.5	-3.5				
1993										-11.7	-34.6	-26.7	-34.6
1994	-41.5	-35.2	-39.9	-17.7	-2.9	1.6	3.9	-1.4	-8.6	-16.7	-37.0	-37.9	-41.5
1995	-32.3	-33.6	-38.4	-6.3	-3.5	0.4	4.5	2.0	0.9	-11.9	-6.5		-38.4
1996		-31.5	-21.4	-21.5	-5.1	-2.9	7.0	0.7	-8.3	-28.0	-29.6	-36.0	-36.0
1997	-43.5	-21.1	-27.0	-18.7	-6.0	0.3	7.2	2.3	-1.9	-17.8	-19.2	-30.2	-43.5
1998	-41.4	-20.4	-16.3	-8.4	-1.6	2.4	7.0	1.8	-4.1	-15.0	-24.5	-34.1	-41.4
1999	-40.3	-40.9	-26.4	-13.6	-4.2	3.3	3.4	0.8	-7.7	-22.6	-26.5	-37.5	-40.9
2000	-39.8	-14.0	-20.2	-18.8	-5.9	3.9	5.0	0.9	-10.5	-17.2	-21.2	-35.5	-39.8
2001	-22.7	-24.7	-27.8	-14.1	-5.0	3.6	6.1	5.9	-0.5	-18.6	-25.5	-30.7	-30.7
2002	-33.8	-24.0	-27.0	-17.2	-13.7	3.3	4.3	2.5	-1.7	-7.2	-14.6	-21.8	-33.8
2003	-27.8	-28.9	n/a	n/a	-6.6	3.5	5.7	2.6	-9.2	-6.1	-30.0	-30.0	-30.0
2004	-36.0	-34.0	-30.0	-21.0	-3.0	2.7	7.3	-0.9	-9.4	-10.2	-	-	-36.0
Maximum	**-22.7**	**-14.0**	**-16.3**	**-6.3**	**0.0**	**3.9**	**7.3**	**5.9**	**0.9**	**-6.1**	**-6.5**	**-21.8**	**-6.3**
Average	**-35.9**	**-28.0**	**-27.4**	**-15.7**	**-4.8**	**2.0**	**5.5**	**1.2**	**-5.4**	**-15.3**	**-24.5**	**-32.0**	**-15.0**
Minimum	**-43.5**	**-40.9**	**-39.9**	**-21.5**	**-13.7**	**-2.9**	**3.4**	**-2.5**	**-10.5**	**-28.0**	**-37.0**	**-37.9**	**-22.9**

Climate Comparison 2004 Summary: Brewery Creek Mine (BCM) & Dawson City Airport (DCA)

	Ave. Temp. (°C)			Max. Temp. (°C)		Min. Temp. (°C)		Precipitation (mm)	
	BCM	DCA	Difference	BCM	DCA	BCM	DCA	BCM	DCA
January	-24.3	-32.9	8.5	-5.3	-14.0	-36.0	-48.5	27.9	24.8
February	-11.4	-16.8	5.4	1.0	9.0	-34.0	-44.0	18.4	11.4
March	-12.3	-14.4	2.1	5.0	2.0	-30.0	-34.5	17.5	11.2
April	1.1	0.9	0.2	13.1	19.0	-21.0	-25.5	11.9	8.0
May	9.9	9.6	0.3	28.7	24.0	-3.0	-6.5	11.5	20.8
June	19.2	17.9	1.3	33.8	34.5	2.7	2.5	19.8	12.8
July	18.1	16.8	1.2	27.3	30.0	7.3	4.0	47.6	32.6
August	14.4	13.7	0.6	26.5	29.5	-0.9	-4.0	5.8	8.2
September	1.7	3.2	1.4	17.9	18.0	-9.4	-9.0	27.0	24.6
October	2.2	-3.7	5.9	8.7	8.5	-10.2	-22.5	43.0	41.9
November	-	-15.6	-	-	-3.0	-	-35.0	31.0	19.8
December	-	-22.6	-	-	-4.5	-	-45.0	37.1	42.2
Summary	**1.9**	**-3.7**	-	**33.8**	**34.5**	**-36.0**	**-48.5**	**298.5**	**258.3**



Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to QZ96-007

Snow Survey - 2003/ 2004

Date March 1, 2004 **Temperature** -5.0 Centigrade

Tube length 110.3 cm

Tube I.D. 5.1 cm

Location	Sample No.	Snow depth cm	Snow volume cc	Weight of bag & tie g	Total weight g	Snow weight g	Snow Density g/cc	Equiv. H2O mm	Density mm/cm
1	11	62.0	1,256.6	41.0	341.0	300.0	0.239	148.0	2.39
	12	70.0	1,418.8	41.0	388.0	347.0	0.245	171.2	2.45
Blue Waste	13	80.0	1,621.5	41.0	386.0	345.0	0.213	170.2	2.13
Dump	14	68.0	1,378.2	41.0	295.0	254.0	0.184	125.3	1.84
	15	62.0	1,256.6	41.0	150.0	109.0	0.087	53.8	0.87
Average		**68.4**	**1,386.4**	**41.0**	**312.0**	**271.0**	**0.195**	**133.7**	**1.95**

Viceroy Minerals Corporation
Brewery Creek Mine

Snow Survey - 2003/ 2004

Date	January 30, 2004			Temperature	-35.0	Centigrade		
Area	Snow depth cm	Snow volume cc	Weight of bag & tie g	Total weight g	Snow weight g	Snow Density g/cc	Equiv. H2O mm	Density mm/cm
1	64.0	1,297.2	41.0	281.2	240.2	0.185	118.5	1.85
2	72.4	1,467.4	41.0	381.6	340.6	0.232	168.0	2.32
3	75.6	1,532.3	41.0	435.4	394.4	0.257	194.6	2.57
4	73.6	1,491.7	41.0	379.2	338.2	0.227	166.9	2.27
A	72.8	1,475.5	41.0	321.0	280.0	0.190	138.1	1.90
B	60.2	1,220.2	41.0	324.4	283.4	0.232	139.8	2.32
C	62.0	1,256.6	41.0	333.0	292.0	0.232	144.1	2.32
D	65.6	1,329.6	41.0	346.4	305.4	0.230	150.7	2.30
E	86.8	1,759.3	41.0	475.4	434.4	0.247	214.3	2.47
F	64.5	1,307.3	41.0	326.3	285.3	0.218	140.7	2.18
G	54.8	1,109.7	41.0	297.5	256.5	0.231	126.6	2.31
Averages	**68.4**	**1,386.1**	**41.0**	**354.7**	**313.7**	**0.226**	**154.8**	**2.26**

Area Surrounding the Leach Pad

Area	Snow depth cm	Snow volume cc	Weight of bag & tie g	Total weight g	Snow weight g	Snow Density g/cc	Equiv. H2O mm	Density mm/cm
1	64.0	1,297.2	41.0	281.2	240.2	0.185	118.5	1.85
2	72.4	1,467.4	41.0	381.6	340.6	0.232	168.0	2.32
3	75.6	1,532.3	41.0	435.4	394.4	0.257	194.6	2.57
A	72.8	1,475.5	41.0	321.0	280.0	0.190	138.1	1.90
B	60.2	1,220.2	41.0	324.4	283.4	0.232	139.8	2.32
C	62.0	1,256.6	41.0	333.0	292.0	0.232	144.1	2.32
Averages	**67.8**	**1,374.9**	**41.0**	**346.1**	**305.1**	**0.222**	**150.5**	**2.22**

Leach Pad

Area	Snow depth cm	Snow volume cc	Weight of bag & tie g	Total weight g	Snow weight g	Snow Density g/cc	Equiv. H2O mm	Density mm/cm
4	73.6	1,491.7	41.0	379.2	338.2	0.227	166.9	2.27
D	65.6	1,329.6	41.0	346.4	305.4	0.230	150.7	2.30
E	86.8	1,759.3	41.0	475.4	434.4	0.247	214.3	2.47
F	64.5	1,307.3	41.0	326.3	285.3	0.218	140.7	2.18
G	54.8	1,109.7	41.0	297.5	256.5	0.231	126.6	2.31
Averages	**69.1**	**1,399.5**	**41.0**	**365.0**	**324.0**	**0.231**	**159.8**	**2.31**

Viceroy Minerals Corporation
Brewery Creek Mine

Snow Survey - 2003/ 2004

Date	January 30, 2004		Temperature	-35.0	Centigrade
Notes:	Description				
1	Laura Creek access gate - transect runs due east, south of fence line				
2	RC93-823 (near lab) - transect runs south from the lath beside piezometer				
3	RC93-827 - near Equipment Row (cell 8)				
4	Middle of cell 6/7				
A	Pregnant/Barren Ponds				
B	Behind ADR - south slopes				
C	Valve House Road				
D	Cell 1				
E	West slope of leachpad				
F	Cell 2, 3 & 4				
G	Top of cell 4				

Viceroy Minerals Corporation
Brewery Creek Mine

Snow Survey - 2003/ 2004

Date	January 30, 2004			Temperature	-35.0	Centigrade						
	Slope Surface Area				Snow	Average	Volume	Water	Average	Water	Water + Ice	
		Portion	Surface		Density	Depth of	of Snow	Equivalent	Depth of	Equivalent	Equivalent	Estimated
		of Area	Area	Estimated	in H_2O	Snow		of Snow	Ice on Pad	of Ice	on Pad	Snow Melt
		Draining	to Ponds	Runoff	Equiv.				Section	on Pad		to Preg Pond
	m^2	to Ponds	m^2	Coefficient	(g/cm^3)	cm	m^3	m^3	mm	m^3	m^3	m^3
Heap Leach Pad												
Area D	47,083	100%	47,083	100%	0.230	65.6	30,886	7,094	2.0	85	7,179	7,179
Area E	65,521	100%	65,521	100%	0.247	86.8	56,872	14,043	2.0	118	14,161	14,161
Area F	55,161	100%	55,161	100%	0.218	64.5	35,579	7,763	2.0	99	7,862	7,862
Area G	28,726	100%	28,726	100%	0.231	54.8	15,727	3,635	2.0	52	3,687	3,687
Area 4	126,140	100%	126,140	100%	0.227	73.6	92,839	21,048	2.0	227	21,275	21,275
Sub-totals	**322,630**		**322,630**	**Average**	**0.230**	**71.9**	**231,903**	**53,583**		**581**	**54,164**	**54,164**
Areas Adjacent to Leach Pad												
Area B	21,073	50%	10,536	75%	0.232	60.2	6,343	1,473	0.0	0	1,473	1,105
Area C	35,007	100%	35,007	75%	0.232	62.0	21,704	5,043	0.0	0	5,043	3,782
Area 3	102,840	10%	10,284	75%	0.257	75.6	7,775	2,001	0.0	0	2,001	1,501
Sub-totals	**158,919**		**55,827**	**Average**	**0.249**	**70.6**	**35,822**	**8,518**		**0**	**8,518**	**6,388**
Solution Ponds Drainage Area												
Area A	67,048	25%	16,762	75%	0.190	72.8	12,203	2,316	0.0	0	2,316	1,737
Sub-totals	**67,048**		**16,762**	**Average**	**0.190**	**72.8**	**12,203**	**2,316**		**0**	**2,316**	**1,737**
Totals	**548,597**		**395,219**		**0.231**	**71.6**	**279,928**	**64,417**	**1.5**	**581**	**64,997**	**62,289**

Check using total precipitation

Month	mm
Oct 15-31, 2001	13.0
November, 2001	17.7
December, 2001	16.4
January, 2002	21.9
February, 2002	11.2
March (historical)	
April (historical)	
Total precipitation	**80.2**

1995	1996	1997	1998	1999	2000	2001
19.1	10.6	2.4	4.7	10.1	16.0	8.0
10.1	6.5	4.2	1.8	10.1	17.1	17.1
5.5	5.4	8.3	4.8	18.9	19.5	19.5

Maximum from Precipitation		Study
Using the total area in the study	31,697	62,289

Viceroy Minerals Corporation
Brewery Creek Mine

Snow Survey - 2003/ 2004

Date	February 28, 2004			Temperature	-35.0	Centigrade		
Area	Snow depth cm	Snow volume cc	Weight of bag & tie g	Total weight g	Snow weight g	Snow Density g/cc	Equiv. H2O mm	Density mm/cm
1	62.8	1,272.8	41.0	323.4	282.4	0.222	139.3	2.22
2	68.6	1,390.4	41.0	367.6	326.6	0.235	161.1	2.35
3	67.6	1,370.1	41.0	304.0	263.0	0.192	129.8	1.92
4	67.2	1,362.0	41.0	327.0	286.0	0.210	141.1	2.10
A	67.8	1,374.2	41.0	385.4	344.4	0.251	169.9	2.51
B	51.8	1,049.9	41.0	284.0	243.0	0.231	119.9	2.31
C	57.6	1,167.5	41.0	328.0	287.0	0.246	141.6	2.46
D	60.2	1,220.2	41.0	356.2	315.2	0.258	155.5	2.58
E	102.4	2,075.5	41.0	507.0	466.0	0.225	229.9	2.25
F	67.8	1,373.2	41.0	377.0	336.0	0.245	165.8	2.45
G	52.5	1,064.1	41.0	267.5	226.5	0.213	111.8	2.13
Averages	**66.0**	**1,338.2**	**41.0**	**347.9**	**306.9**	**0.229**	**151.4**	**2.29**

Area Surrounding the Leach Pad

Area	Snow depth cm	Snow volume cc	Weight of bag & tie g	Total weight g	Snow weight g	Snow Density g/cc	Equiv. H2O mm	Density mm/cm
1	62.8	1,272.8	41.0	323.4	282.4	0.222	139.3	2.22
2	68.6	1,390.4	41.0	367.6	326.6	0.235	161.1	2.35
3	67.6	1,370.1	41.0	304.0	263.0	0.192	129.8	1.92
A	67.8	1,374.2	41.0	385.4	344.4	0.251	169.9	2.51
B	51.8	1,049.9	41.0	284.0	243.0	0.231	119.9	2.31
C	57.6	1,167.5	41.0	328.0	287.0	0.246	141.6	2.46
Averages	**62.7**	**1,270.8**	**41.0**	**332.1**	**291.1**	**0.229**	**143.6**	**2.29**

Leach Pad

Area	Snow depth cm	Snow volume cc	Weight of bag & tie g	Total weight g	Snow weight g	Snow Density g/cc	Equiv. H2O mm	Density mm/cm
4	67.2	1,362.0	41.0	327.0	286.0	0.210	141.1	2.10
D	60.2	1,220.2	41.0	356.2	315.2	0.258	155.5	2.58
E	102.4	2,075.5	41.0	507.0	466.0	0.225	229.9	2.25
F	67.8	1,373.2	41.0	377.0	336.0	0.245	165.8	2.45
G	52.5	1,064.1	41.0	267.5	226.5	0.213	111.8	2.13
Averages	**70.0**	**1,419.0**	**41.0**	**366.9**	**325.9**	**0.230**	**160.8**	**2.30**

Viceroy Minerals Corporation
Brewery Creek Mine

Snow Survey - 2003/ 2004												
Date	February 28, 2004		**Temperature**	-35.0	Centigrade							
Notes:	**Description**											
1	Laura Creek access gate - transect runs due east, south of fence line											
2	RC93-823 (near lab) - transect runs south from the lath beside piezometer											
3	RC93-827 - near Equipment Row (cell 8)											
4	Middle of cell 6/7											
A	Pregnant/Barren Ponds											
B	Behind ADR - south slopes											
C	Valve House Road											
D	Cell 1											
E	West slope of leachpad											
F	Cell 2, 3 & 4											
G	Top of cell 4											

Viceroy Minerals Corporation
Brewery Creek Mine

Snow Survey - 2003/ 2004

Date	February 28, 2004			Temperature	-35.0	Centigrade						
	Slope Surface Area				Snow	Average	Volume	Water	Average	Water	Water + Ice	
		Portion	Surface		Density	Depth of	of Snow	Equivalent	Depth of	Equivalent	Equivalent	Estimated
		of Area	Area	Estimated	in H_2O	Snow		of Snow	Ice on Pad	of Ice	on Pad	Snow Melt
		Draining	to Ponds	Runoff	Equiv.				Section	on Pad		to Preg Pond
	m^2	to Ponds	m^2	Coefficient	(g/cm^3)	cm	m^3	m^3	mm	m^3	m^3	m^3
Heap Leach Pad												
Area D	47,083	100%	47,083	100%	0.258	60.2	28,344	7,322	2.0	85	7,407	7,407
Area E	65,521	100%	65,521	100%	0.225	102.4	67,093	15,064	2.0	118	15,182	15,182
Area F	55,161	75%	41,371	100%	0.245	67.8	28,029	6,858	2.0	74	6,933	6,933
Area G	28,726	80%	22,980	100%	0.213	52.5	12,065	2,568	2.0	41	2,609	2,609
Area 4	126,140	80%	100,912	100%	0.210	67.2	67,813	14,239	2.0	182	14,421	14,421
Sub-totals	322,630		277,866	Average	0.226	72.1	203,343	46,052		500	46,552	46,552
Areas Adjacent to Leach Pad												
Area B	21,073	50%	10,536	75%	0.231	51.8	5,458	1,263	0.0	0	1,263	947
Area C	35,007	100%	35,007	75%	0.246	57.6	20,164	4,957	0.0	0	4,957	3,718
Area 3	102,840	10%	10,284	75%	0.192	67.6	6,952	1,334	0.0	0	1,334	1,001
Sub-totals	158,919		55,827	Average	0.209	63.3	32,574	7,555		0	7,555	5,666
Solution Ponds Drainage Area												
Area A	67,048	25%	16,762	75%	0.251	67.8	11,365	2,848	0.0	0	2,848	2,136
Sub-totals	67,048		16,762	Average	0.251	67.8	11,365	2,848		0	2,848	2,136
Totals	548,597		350,455		0.224	69.0	247,281	56,455	1.4	500	56,955	54,354

Check using total precipitation

Month	mm
Oct 15-31, 2001	13.0
November, 2001	17.7
December, 2001	16.4
January, 2002	21.9
February, 2002	11.2
March (historical)	
April (historical)	
Total precipitation	**80.2**

1995	1996	1997	1998	1999	2000	2001
19.1	10.6	2.4	4.7	10.1	16.0	8.0
10.1	6.5	4.2	1.8	10.1	17.1	17.1
5.5	5.4	8.3	4.8	18.9	19.5	19.5

		Study
Maximum from Precipitation		
Using the total area in the study	28,107	54,354

Pan Evaporation Data - May 2004

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
		(mm)		0.0	<<< *Carry forward*	
1-May-04						
2-May-04						
3-May-04						
4-May-04						
5-May-04						
6-May-04						
7-May-04						
8-May-04						
9-May-04						
10-May-04						
11-May-04					2.0	
12-May-04					3.0	
13-May-04			2.0		2.0	
14-May-04					4.0	
15-May-04					5.3	
16-May-04					5.1	
17-May-04					5.5	
18-May-04					4.0	
19-May-04					3.0	
20-May-04					7.0	
21-May-04					4.0	
22-May-04					3.5	
23-May-04					3.2	
24-May-04					2.0	
25-May-04			5.5		0.8	
26-May-04			4.0		0.5	
27-May-04					1.5	
28-May-04					4.0	
29-May-04					6.0	
30-May-04					5.5	
31-May-04					5.5	
Totals			**11.5**	**0.0**	**77.4**	

Pan Evaporation Data - June 2004

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
		(mm)		n/a	<<< *Carry forward*	
1-Jun-04			0.6		1.6	
2-Jun-04			3.4		0.4	
3-Jun-04			3.0		1.0	
4-Jun-04					3.0	
5-Jun-04					6.0	
6-Jun-04					6.5	
7-Jun-04			1.0		2.5	
8-Jun-04					5.0	
9-Jun-04			2.8		0.8	
10-Jun-04					3.0	
11-Jun-04			0.5		5.5	
12-Jun-04					5.1	
13-Jun-04					5.5	
14-Jun-04			2.0		3.4	
15-Jun-04					4.0	
16-Jun-04					5.0	
17-Jun-04					7.0	
18-Jun-04					5.0	
19-Jun-04					8.5	
20-Jun-04					9.0	
21-Jun-04					6.5	
22-Jun-04					7.0	
23-Jun-04			6.5		3.5	
24-Jun-04					7.0	
25-Jun-04					7.0	
26-Jun-04					3.0	
27-Jun-04					4.0	
28-Jun-04					4.0	
29-Jun-04					4.0	
30-Jun-04					9.0	
					0.0	
Totals			**19.8**	**0.0**	**142.8**	

Pan Evaporation Data - July 2004

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
				n/a	<<< *Carry forward*	
1-Jul-04					6.0	
2-Jul-04					5.0	
3-Jul-04					7.0	
4-Jul-04					5.0	
5-Jul-04					6.0	
6-Jul-04					4.0	
7-Jul-04					4.0	
8-Jul-04					4.0	
9-Jul-04					3.0	
10-Jul-04					5.0	
11-Jul-04					3.0	
12-Jul-04					5.0	
13-Jul-04					4.0	
14-Jul-04					3.0	
15-Jul-04					3.0	
16-Jul-04					2.0	
17-Jul-04					4.0	
18-Jul-04			2.0		4.0	
19-Jul-04					2.0	
20-Jul-04					4.0	
21-Jul-04					3.0	
22-Jul-04			1.6		3.6	
23-Jul-04			0.6		2.6	
24-Jul-04					2.0	
25-Jul-04					3.0	
26-Jul-04			3.0		2.0	
27-Jul-04					5.0	
28-Jul-04					4.0	
29-Jul-04			32.0		1.0	
30-Jul-04			8.4		1.4	
31-Jul-04					2.0	
Totals			**47.6**	**0.0**	**112.6**	

Pan Evaporation Data - August 2004

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
					<<< *Carry forward*	
1-Aug-04					2.0	
2-Aug-04			6.4		1.4	
3-Aug-04					5.0	
4-Aug-04					3.0	
5-Aug-04					5.0	
6-Aug-04					5.0	
7-Aug-04					5.0	
8-Aug-04					5.0	
9-Aug-04					3.0	
10-Aug-04					5.0	
11-Aug-04					4.0	
12-Aug-04					3.0	
13-Aug-04					2.0	*frozen*
14-Aug-04					2.0	
15-Aug-04					3.0	
16-Aug-04					3.0	
17-Aug-04					4.0	
18-Aug-04					3.0	
19-Aug-04					3.0	
20-Aug-04					3.0	
21-Aug-04					4.0	
22-Aug-04					4.0	
23-Aug-04					5.0	
24-Aug-04					3.0	
25-Aug-04					2.0	
26-Aug-04					3.0	
27-Aug-04					4.0	
28-Aug-04					2.0	
29-Aug-04					3.0	
30-Aug-04					2.0	
31-Aug-04					2.0	
Totals			**6.4**	**0.0**	**103.4**	

Pan Evaporation Data - September 2004

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
					<<< Carry forward	
1-Sep-04					2.0	
2-Sep-04					2.0	
3-Sep-04					3.0	
4-Sep-04					1.0	
5-Sep-04					2.0	
6-Sep-04					1.0	
7-Sep-04			2.0		1.0	
8-Sep-04					1.0	
9-Sep-04					2.0	
10-Sep-04					2.0	
11-Sep-04					2.0	
12-Sep-04					2.0	
13-Sep-04					2.0	
14-Sep-04			3.0		1.0	
15-Sep-04			11.0		1.0	
16-Sep-04			2.5		0.5	
17-Sep-04			1.0		0.5	
18-Sep-04					1.0	
19-Sep-04					1.0	
20-Sep-04					1.5	
21-Sep-04			7.5		0.5	
22-Sep-04					1.0	
23-Sep-04					end	*Frozen*
24-Sep-04						*Frozen*
25-Sep-04						*Frozen*
26-Sep-04						*Frozen*
27-Sep-04						*Frozen*
28-Sep-04						*Frozen*
29-Sep-04						*Frozen*
30-Sep-04					1.5	*Frozen*
Totals			**27.0**	**0.0**	**32.5**	

Pan Evaporation Data: SUMMARY OF DATA COLLECTED TO DATE

	MONTHLY PAN EVAPORATION DATA					
	May	June	July	August	September	October
1997			138.0	85.8	82.2	
1998		148.0	199.6	128.5	53.3	
1999	75.9	181.8	169.8	128.5	56.8	
2000	45.9	130.8	106.6	80.0	37.2	
2001	19.9	145.6	93.9	82.1	44.9	16.0
2002	121.7	118.7	119.6	50.3	36.3	24.5
2003	97.3	151.5	149.7	112.1	47.2	26.4
2004	77.4	142.8	112.6	103.4	32.5	
AVERAGE	**73.0**	**145.6**	**136.2**	**96.3**	**48.8**	**22.3**

	CALCULATED MONTHLY LAKE EVAPORATION pan coefficient = 0.7					
	May	June	July	August	September	October
1997			96.6	60.1	57.5	
1998		103.6	139.7	90.0	37.3	
1999	53.1	127.2	118.8	90.0	39.8	
2000	32.1	91.6	74.6	56.0	26.0	
2001	13.9	101.9	65.7	57.5	31.4	11.2
2002	85.2	83.1	83.7	35.2	25.4	17.2
2003	68.1	106.1	104.8	78.5	33.0	18.5
2004	54.2	100.0	78.8	72.4	22.8	
AVERAGE	**51.1**	**101.9**	**95.3**	**67.4**	**34.2**	**15.6**

Appendix B
WATER QUALITY

- B-1 Station Descriptions & Coordinates
- B-2 Monthly Reporting Record
- B-5.1 Water Quality Results: Surface Water
- B-5.2 Water Quality Results: Additional Surface Water Sites
- B-5.3 SW Historical Comparison of TSS – Graphs
- B-5.5 SW Historical Comparison of Metals – Graphs
- B-5.6 SW Historical Comparison of Ammonia – Graphs
- B-6.1 Water Quality Results: Groundwater
- B-6.2 Groundwater Historical Comparison Graphs
- B-7.2 Water Quality Results: In-Pit Stations
- B-8 Water Quality Results: Leak Detection & Recovery System
- B-10 Laura Creek and Well BC-23 Water Usage
- B-11 Cantest Certificate of Accreditation
- B-12 ALS Environmental Certificate of Accreditation

WATER QUALITY MONITORING STATIONS: Station Descriptions & Coordinates

SITE	DESCRIPTION	W/shed	TYPE	FREQ.	Stations		Geographic Location		Mine Grid (metres)		Elevation (metres)		Established	Analysis (ASL suite)
					Sediment	Benthos	Latitude	Longitude	Northing	Easting	Ground	Meas. Pt.		
BC-01	Laura Ck., 50 m u/s from Ditch Road	LAU	receiving	MWF	W5	B3	63° 59.892' N	138° 14.823' W	15,037.7	16,061.7			17-Aug-95	SA(1),TM(7),CN(5)
BC-02	Carolyn Ck. u/s from Laura Ck.	LAU	receiving	MWF	W15				18,506.4	15,430.9			14-Aug-94	SA(1),TM(7),CN(5)
BC-03	Laura Ck. above Carolyn Ck.	LAU	receiving	MWF	W4B				18,361.2	15,681.4			26-Aug-94	SA(1),TM(7),CN(5)*
BC-04	Lucky Ck. d/s from Lucky Pit	LUC	receiving	Q/MWM	W13	B7	64° 04.027' N	138° 09.106' W	19,517.5	23,865.1			22-Aug-94	SA(1),TM(7)
BC-05	Pacific Ck. u/s from confl. with Lee Ck.	PAC	receiving	Q/MWM	W11		64° 03.212' N	138° 20.139' W	21,260.2	12,014.6			22-Aug-95	SA(1),TM(7)
BC-06	South Klondike d/s from confl. with Lee Ck.	KLO	receiving	Q	W9	B5	63° 58.665' N	138° 23.447' W	16,175.2	8,606.0			1-Jun-90	SA(1),TM(7),CN(5)
BC-07	Canadian Waste Dump		effluent	MWF					19,827.5	19,362.5	753.0		11-Aug-98	SA(1),TM(7), DM(8)*
BC-08	Canadian Pit and Dump (scrap plastic pipe location)		effluent	MWF					19,878.8	19,701.6	753.0			SA(1),TM(7),DM(8)*
BC-09	Fosters Pit and Dump (Upper)		effluent	MWF									*No Discharge*	SA(1),TM(7)
BC-10	Kokanee Pit and Dump		effluent	MWF					19,731.2	21,017.5	948.0		1-Jul-97	SA(1),TM(7)
BC-11	Blue Waste Dump		effluent	MWF					19,939.1	18,096.1	760.0			SA(1),TM(7), DM(8)
BC-12	Blue Pit		effluent	MWF					20,178.8	18,540.5	756.0			SA(1),TM(7), DM(8)
BC-13	Moosehead West Waste Dump		effluent	MWF					20,858.2	18,748.3				SA(1),TM(7), DM(8)*
BC-14	Moosehead East Waste Dump		effluent	MWF										SA(1),TM(7), DM(8)*
BC-15	Moosehead Pit discharge		effluent	MWF					20,962.1	19,133.7	934.0			SA(1),TM(7), DM(8)*
BC-16	Pacific Gulch - 300m above Laura		receiving	MWF					20,078.8	17,655.6	740.0		17-Jul-96	SA(1),TM(7)
BC-17	Golden Pit and Dump		effluent	MWF					19,494.6	21,938.3	882.0		11-Aug-98	SA(1),TM(7), DM(8)*
BC-18S	Lucky Pit and Dump - south end		effluent	MWF					19,654.5	22,931.3				SA(1),TM(7), DM(8)*
BC-18N	Lucky Pit and Dump - north end		effluent	MWF					19,886.0	22,918.6				SA(1),TM(7), DM(8)*
BC-19	Piezometer RC94-843		ground H2O	Q					19,466.4	16,087.7	725.3	725.9	27-Aug-94	SA(2), DM(8), CN(5)
BC-20	Piezometer RC94-844		ground H2O	Q					20,283.2	16,474.4	769.0	769.7	27-Aug-94	SA(2), DM(8), CN(5)
BC-21	Piezometer RC95-1354		ground H2O	Q					20,400.4	17,151.7	839.5	840.1	19-Oct-95	SA(2), DM(8), CN(5)
BC-22	Piezometer RC95-1357		ground H2O	Q					19,709.5	16,105.0	691.1	692.1	23-Oct-95	SA(2), DM(8), CN(5)
BC-23	Piezometer RC95-1370		ground H2O	Q					19,301.3	16,332.5	738.5	738.9	23-Oct-95	SA(2), DM(8), CN(5)
BC-24	Piezometer RC95-1400		ground H2O	Q					20,218.5	16,239.6	763.0	772.4	21-Oct-95	SA(2), DM(8), CN(5)
BC-25	Piezometer RC96-1608		ground H2O	Q					19,713.8	16,185.7	738.1	738.9	23-Aug-96	SA(2), DM(8), CN(5)
BC-26	Piezometer RC97-2024		ground H2O	Q					19,552.6	23,052.3	765.4	766.0	24-Oct-97	SA(2), DM(8), CN(5)
BC-27	Piezometer RC97-2026		ground H2O	Q					19,580.8	21,889.5	898.2	898.7	26-Oct-97	SA(2), DM(8), CN(5)
BC-28	Overflow pond decant		effluent	DWD										SA(3),TM(9),DM(10)*,CN(6)
BC-29	Pad leak detection and recovery system		effluent	M - CN									1-Nov-96	CN(5)
BC-30	Pond leak detection and recovery system		effluent	M - CN									1-Nov-96	CN(5)

* Site Designators Assigned by Viceroy
BC-7 through BC-18. Weekly if licence limits exceeded.

Frequency	Description
MWF	Monthly When Flowing
Q/MWM	Quarterly When Not Active / Monthly During Active Mining
Q	Quarterly
DWD	Daily While Discharging
M - CN	Monthly - Cyanide Only
VOL	Voluntary Site

Analysis	
SA	Standard Analysis
TM	Total Metals
DM	Dissolved Metals
CN	Cyanide
*	When justified: Discharge, sediment contamination, study, etc.

WATER QUALITY MONITORING STATIONS: Station Descriptions & Coordinates

SITE	DESCRIPTION	W/shed	TYPE	FREQ.	Stations		Geographic Location		Mine Grid (metres)		Elevation (metres)		Established	Analysis (ASL suite)
					Sediment	Benthos	Latitude	Longitude	Northing	Easting	Ground	Meas. Pt.		
* BC-31	Golden Ck. above confl. with South Klondike	LUC	receiving	VOL	W2	B2	64° 01.856' N	138° 04.957' W	14,677.0	24,903.2			1-Jun-90	SA(1),TM(7)
* BC-32	Laura Ck. below exploration camp	LAU	receiving	VOL	W3				19,730.5	18,378.6			17-Aug-94	SA(1),TM(7)
* BC-33	Lee Ck. above Pacific Ck.	LEE	receiving	VOL	W6A	B6	64° 01.905' N	138° 23.306' W	21,505.5	11,689.3			1-Jul-91	SA(1),TM(7)
* BC-34	Lee Ck. at Ditch Road	LEE	receiving	VOL	W7	B1	64°00.500' N	138°23.000' W	18,847.0	10,683.0	520.4		1-Jun-90	SA(1),TM(7)
* BC-35	Pacific Ck. NW of W. Big Rock	PAC	receiving	VOL	W14		64° 03.212' N	138° 20.139' W	22,351.3	15,693.5			22-Aug-95	SA(1),TM(7)
* BC-36	Golden Ck. above confl. with Lucky Ck.	LUC	receiving	VOL	W16		64° 05.222' N	138° 06.896' W	20,714.8	26,319.6			18-Aug-95	SA(1),TM(7)
* BC-37	Laura Ck. at Ditch Road	LAU	receiving	VOL	W5A		63° 59.892' N	138° 14.823' W	15,165.1	15,586.7			17-Aug-95	SA(1),TM(7)
* BC-38	South Klondike u/s from confl. with Golden Ck.	KLO	receiving	VOL	W8	B4	64° 01.240' N	138° 05.481' W	13,564.4	24,172.3			1-Jun-90	SA(1),TM(7),CN(5)*
* BC-39	Laura Ck. at confl. with South Klondike		receiving	VOL			63° 59.267' N	138° 18.733' W	15,115.8	12,687.9			8-May-95	SA(1),TM(7),CN(5)
* BC-40	Tributary of Lucky Creek 5m upstream of BC-04		receiving	VOL					19,543.6	23,795.0				SA(1),TM(7)
* BC-41	Bohemian Creek		receiving	VOL					19,543.6	23,439.7				SA(1),TM(7)
* BC-42	Confluence of Lucky diversion with Lucky Ck		receiving	VOL					19,619.4	23,066.6	768.1			SA(1),TM(7)
* BC-42S	Sump - near end of Lucky diversion		receiving	VOL					19,738.2	23,038.5	811.5		7-Jul-00	
* BC-42U	Upstream of Lucky diversion		receiving	VOL					20,035.7	22,971.5	829.0		27-Jul-00	SA(1),TM(7)
* BC-42D	Downstream of Lucky diversion		receiving	VOL					19,624.1	23,241.3			1-Jul-00	
* BC-43	Lucky Creek at Lucky/Bohemian Crossing		receiving	VOL					19,444.1	22,995.6				SA(1),TM(7)
* BC-44	Laura Creek 30 m downstream of BC-32		receiving	VOL					19,725.2	18,250.8				SA(1),TM(7)
* BC-45	Discharge at LCCSCS		effluent	VOL					19,895.1	18,554.4				SA(1),TM(7),DM(8)*
* BC-46	Laura Creek, 5m u/s of Canadian Creek confluence		receiving	VOL					19,781.4	18,503.3				SA(1),TM(7)
* BC-47	Canadian Ck, 5m u/s of confluence with Laura Creek		receiving	VOL										SA(1),TM(7)
* BC-48	Upstream Lucky rock drainage		receiving	VOL					20,094.1	22,325.6	862.0			SA(1),TM(7)
* BC-49	Start of S. Arm of Lucky Creek below S. Golden		receiving	VOL					19,630.7	22,207.2	850.2			SA(1),TM(7)
* BC-50	N. Golden sump drainage		effluent	VOL					19,704.2	21,568.9	940.0			SA(1),TM(7)
* BC-51	Pacific Pit		effluent	VOL					20,410.6	17,683.5	797.0		25-Jul-00	SA(1),TM(7)
* BC-52	Surface Seep below Blue Pit		effluent	VOL					20,110.9	18,649.7	742.0			SA(1),TM(7),DM(8)
BC-53	Laura Creek 100m downstream of Ditch Road		receiving	VOL										SA(1),TM(7),CN(5)
* BC-54	Duplicate sample			VOL										
* BC-55	Blank			VOL										
BC-60	Land Application Soil Sample Sites													SA(1),TM(7),CN(5)
BC-65	Land Application Piezometer			Q/MWA										SA(1),TM(7),CN(5)
BC-66	Land Applicaion Piezometer			Q/MWA										SA(1),TM(7),CN(5)
BC-67	Blue WRSA Piezometer			VOL										SA(1), DM(8)
BC-68	Blue WRSA Piezometer			VOL										SA(1), DM(8)
BC-69	Blue WRSA Piezometer			VOL										SA(1), DM(8)
* 96-L1	Lysimeter - South Canadian pit		effluent	VOL					19,897.9	19,358.9	770.0			SA(1),TM(7),DM(8)
* 96-L2	Lysimeter - North Canadian near AN silos		effluent	VOL					20,118.0	19,314.0	823.0			SA(2), DM(8)
* 96-L3	Lysimeter - Near Km 4 on main haul road		effluent	VOL					20,018.1	19,961.0	898.5			SA(2), DM(8)
Blue Lys	Lysimeter - Blue waste rock cover		effluent	VOL										SA(1), DM(8)
* VLB-101	Shallow Piezometer below Leach Pad		ground H2O	VOL					19,953.9	16,286.8	752.9	754.1	27-Oct-98	
* VLB-102	Shallow Piezometer below Leach Pad		ground H2O	VOL					20,048.6	16,407.1	762.8	764.0	27-Oct-98	
* P1	Pacific Creek, between E. and W. Big Rock	PAC	receiving	VOL					22,165.8	16,444.2				SA(1), TM(7)
* P2	North Trib Pacific Creek, between E. and W. Big Rock	PAC	receiving	VOL					22,239.2	16,430.8				SA(1), TM(7)
* P3	Pacific Creek, 1km d/s of P1 and P2	PAC	receiving	VOL					22,404.6	15,631.2				SA(1), TM(7)
* P4	Pacific Creek, 825m d/s of P3	PAC	receiving	VOL					22,216.4	14,949.7				SA(1), TM(7)

* Site Designators Assigned by Viceroy
BC-7 through BC-18, Weekly if licence limits exceeded.

Frequency	Description
MWF	Monthly When Flowing
Q/MWA	Quarterly When Not Active / Monthly During Active Season
Q	Quarterly
DWD	Daily While Discharging
M - CN	Monthly - Cyanide Only
VOL	Voluntary Site

Analysis	
SA	Standard Analysis
TM	Total Metals
DM	Dissolved Metals
CN	Cyanide
*	When justified: Discharge, sediment contamination, study, etc.

WATER QUALITY MONITORING STATIONS: Monthly Record

	DESCRIPTION	TYPE	FREQ.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BC-01	Laura Ck., 50 m u/s from Ditch Road	receiving	MWF	x	x	x	x	x	x	x	x	x	x	x	x
BC-02	Carolyn Ck. u/s from Laura Ck.	receiving	MWF	x	x		x	x	x	x	x	x	x		
BC-03	Laura Ck. above Carolyn Ck.	receiving	MWF	x	x	x	x	x	x	x	x	x	x	x	x
BC-04	Lucky Ck. d/s from Lucky Pit	receiving	Q/MWM			x			x			x			x
BC-05	Pacific Ck. u/s from confl. with Lee Ck.	receiving	Q/MWM			x						x			x
BC-06	South Klondike d/s from confl. with Lee Ck.	receiving	Q			x			x			x			x
BC-07	Canadian Waste Dump	effluent	MWF												
BC-08	Canadian Pit and Dump (scrap plastic pipe location)	effluent	MWF												
BC-09	Fosters Pit and Dump (Upper)	effluent	MWF												
BC-10	Kokanee Pit and Dump	effluent	MWF		x	x		x	x	x	x	x	x	x	x
BC-11	Blue Waste Dump	effluent	MWF												
BC-12	Blue Pit	effluent	MWF					x	x	x	x	x	x	x	x
BC-13	Moosehead West Waste Dump	effluent	MWF												
BC-14	Moosehead East Waste Dump	effluent	MWF												
BC-15	Moosehead Pit discharge	effluent	MWF			x		x	x	x	x	x	x	x	x
BC-16	Pacific Gulch - 300m above Laura	receiving	MWF					x	x	x	x	x			
BC-17	Golden Pit and Dump	effluent	MWF		x	x		x	x	x	x	x	x	x	x
BC-18N	Lucky Pit and Dump - north end	effluent	MWF							x	x				
BC-18S	Lucky Pit and Dump - south end	effluent	MWF												
BC-19	Piezometer RC94-843	ground H2O	Q			x			x			x			x
BC-20	Piezometer RC94-844	ground H2O	Q												
BC-21	Piezometer RC95-1354	ground H2O	Q			x			x			x			x
BC-22	Piezometer RC95-1357	ground H2O	Q			x		x	x	x	x				x
BC-23	Piezometer RC95-1370	ground H2O	Q												
BC-24	Piezometer RC95-1400	ground H2O	Q												
BC-25	Piezometer RC96-1608	ground H2O	Q												
BC-26	Piezometer RC97-2024	ground H2O	Q												
BC-27	Piezometer RC97-2026	ground H2O	Q			x			x			x			x
BC-28	Overflow pond decant	effluent	DWD				x	x	x	x	x	x			
BC-29	Pad leak detection and recovery system	effluent	M - CN	x	x	x	x								
BC-30	Pond leak detection and recovery system	effluent	M - CN												

WATER QUALITY MONITORING STATIONS: Monthly Record

	DESCRIPTION	TYPE	FREQ.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BC-31	Golden Ck. above confl. with South Klondike	receiving	VOL									x			
BC-32	Laura Ck. below exploration camp	receiving	VOL			x			x			x			
BC-33	Lee Ck. above Pacific Ck.	receiving	VOL									x			
BC-34	Lee Ck. at Ditch Road	receiving	VOL					x				x			
BC-35	Pacific Ck. NW of W. Big Rock	receiving	VOL									x			
BC-36	Golden Ck. above confl. with Lucky Ck.	receiving	VOL									x			
BC-37	Laura Ck. at Ditch Road	receiving	VOL									x			
BC-38	South Klondike u/s from confl. with Golden Ck.	receiving	VOL			x			x			x			x
BC-39	Laura Ck. at confl. with South Klondike	receiving	VOL						x		x	x	x		
BC-40	Tributary of Lucky Creek 5m upstream of BC-04	receiving	VOL												
BC-41	Bohemian Creek	receiving	VOL												
BC-42	Confluence of Lucky diversion with Lucky Ck	receiving	VOL												
BC-42S	Sump - near end of Lucky diversion	receiving	VOL												
BC-42U	Upstream of Lucky diversion	receiving	VOL												
BC-42D	Downstream of Lucky diversion	receiving	VOL												
BC-43	Lucky Creek at Lucky/Bohemian Crossing	receiving	VOL												
BC-44	Laura Creek 30 m downstream of BC-32	receiving	VOL												
BC-45	Discharge at LCCSCS	effluent	VOL						x						
BC-46	Laura Creek, 5m u/s of Canadian Creek confluence	receiving	VOL												
BC-47	Canadian Ck, 5m u/s of confluence with Laura Creek	receiving	VOL												
BC-48	Upstream Lucky rock drainage	receiving	VOL												
BC-49	Start of S. Arm of Lucky Creek below S. Golden	receiving	VOL												
BC-50	N. Golden sump drainage	effluent	VOL												
BC-51W	Pacific Pit	effluent	VOL			x		x	x	x	x	x	x	x	x
BC-52	Surface Seep below Blue Pit	effluent	VOL												
BC-53	Laura Creek 100m downstream of Ditch Road	receiving	VOL				x	x							x
BC-54	Duplicate		VOL												
BC-55	Blank		VOL												
BC-60	Land Application Soil Sample Sites								x	x	x	x	x		
BC-65	Land Application Piezometer		Q/MWA			x		x		x	x			x	
BC-66	Land Applicaion Piezemeter		Q/MWA			x		x		x	x			x	
BC-67	Blue WRSA Piezometer		VOL					x				x			
BC-68	Blue WRSA Piezometer		VOL					x							
BC-69	Blue WRSA Piezometer		VOL												
96-L1	Lysimeter - South Canadian pit	effluent	VOL												
96-L2	Lysimeter - North Canadian near AN silos	effluent	VOL												
96-L3	Lysimeter - Near Km 4 on main haul road	effluent	VOL												
Blue Lys	Lysimeter - Blue waste rock cover	effluent	VOL					x		x			x		
VLB-101	Shallow Piezometer below Leach Pad	ground H2O	VOL												
VLB-102	Shallow Piezometer below Leach Pad	ground H2O	VOL												
P1	Pacific Creek, between E. and W. Big Rock	receiving	VOL												
P2	North Trib Pacific Creek, between E. and W. Big Rock	receiving	VOL												
P3	Pacific Creek, 1km d/s of P1 and P2	receiving	VOL												
P4	Pacific Creek, 825m d/s of P3	receiving	VOL												

Frequency	Description
MWF	Monthly When Flowing
Q/MWM	Quarterly When Not Active / Monthly During Active Mining
Q	Quarterly
DWD	Daily While Discharging
M - CN	Monthly - Cyanide Only
VOL	Voluntary Site

Viceroy Minerals Corporation
Brewery Creek Mine

WATER QUALITY MONITORING STATIONS: Station Descriptions

SITE	DESCRIPTION	TYPE	FREQ.	Stations		ANALYSIS	SITE
				Sediment	Benthos		
BC-01	Laura Ck., 50 m u/s from Ditch Road	receiving	MWF	W5	B3	SA(1),TM(7),CN(5)	BC-01
BC-02	Carolyn Ck. u/s from Laura Ck.	receiving	MWF	W15		SA(1),TM(7),CN(5)	BC-02
BC-03	Laura Ck. above Carolyn Ck.	receiving	MWF	W4B		SA(1),TM(7),CN(5)*	BC-03
BC-04	Lucky Ck. d/s from Lucky Pit	receiving	Q/MWM	W13	B7	SA(1),TM(7)	BC-04
BC-05	Pacific Ck. u/s from confl. with Lee Ck.	receiving	Q/MWM	W11		SA(1),TM(7)	BC-05
BC-06	South Klondike d/s from confl. with Lee Ck.	receiving	Q	W9	B5	SA(1),TM(7),CN(5)	BC-06
BC-07	Canadian Waste Dump	effluent	MWF			SA(1),TM(7), DM(8)*	BC-07
BC-08	Canadian Pit and Dump (scrap plastic pipe location)	effluent	MWF			SA(1),DM(8)*	BC-08
BC-09	Fosters Pit and Dump (Upper)	effluent	MWF			SA(1),TM(7)	BC-09
BC-10	Kokanee Pit and Dump	effluent	MWF			SA(1),DM(7)	BC-10
BC-11	Blue Waste Dump	effluent	MWF			SA(1),TM(7), DM(8)	BC-11
BC-12	Blue Pit	effluent	MWF			SA(1), DM(8)	BC-12
BC-13	Moosehead West Waste Dump	effluent	MWF			SA(1),TM(7), DM(8)*	BC-13
BC-14	Moosehead East Waste Dump	effluent	MWF			SA(1),TM(7), DM(8)*	BC-14
BC-15	Moosehead Pit discharge	effluent	MWF			SA(1), DM(8)*	BC-15
BC-16	Pacific Gulch - 300m above Laura	receiving	MWF			SA(1),TM(7)	BC-16
BC-17	Golden Pit and Dump	effluent	MWF			SA(1), DM(8)*	BC-17
BC-18S	Lucky Pit and Dump - south end	effluent	MWF			SA(1), DM(8)*	BC-18S
BC-18N	Lucky Pit and Dump - north end	effluent	MWF			SA(1), DM(8)*	BC-18N
BC-19	Piezometer RC94-843	ground H2O	Q			SA(2), DM(8), CN(5)	BC-19
BC-20	Piezometer RC94-844	ground H2O	Q			SA(2), DM(8), CN(5)	BC-20
BC-21	Piezometer RC95-1354	ground H2O	Q			SA(2), DM(8), CN(5)	BC-21
BC-22	Piezometer RC95-1357	ground H2O	Q			SA(2), DM(8), CN(5)	BC-22
BC-23	Piezometer RC95-1370	ground H2O	Q			SA(2), DM(8), CN(5)	BC-23
BC-24	Piezometer RC95-1400	ground H2O	Q			SA(2), DM(8), CN(5)	BC-24
BC-25	Piezometer RC96-1608	ground H2O	Q			SA(2), DM(8), CN(5)	BC-25
BC-26	Piezometer RC97-2024	ground H2O	Q			SA(2), DM(8), CN(5)	BC-26
BC-27	Piezometer RC97-2026	ground H2O	Q			SA(2), DM(8), CN(5)	BC-27
BC-28	Overflow pond decant	effluent	DWD			SA(3),TM(9),DM(10)*,CN(6)	BC-28
BC-29	Pad leak detection and recovery system	effluent	M - CN			CN(5)	BC-29
BC-30	Pond leak detection and recovery system	effluent	M - CN			CN(5)	BC-30

* Site Designators Assigned by Viceroy
BC-7 through BC-18. Weekly if licence limits exceeded.

Frequency	Description
MWF	Monthly When Flowing
Q/MWM	Quarterly When Not Active / Monthly During Active Mining
Q	Quarterly
D/W/M-WD	Daily/Weekly/Monthly- While Discharging
M - CN	Monthly - Cyanide Only
VOL	Voluntary Site

Viceroy Minerals Corporation
Brewery Creek Mine

WATER QUALITY MONITORING STATIONS: Station Descriptions

	SITE	DESCRIPTION	TYPE	FREQ.	Stations		ANALYSIS	SITE
					Sediment	Benthos		
*	BC-31	Golden Ck. above confl. with South Klondike	receiving	VOL	W2	B2	SA(1),TM(7)	BC-31
*	BC-32	Laura Ck. below exploration camp	receiving	VOL	W3		SA(1),TM(7)	BC-32
*	BC-33	Lee Ck. above Pacific Ck.	receiving	VOL	W6A	B6	SA(1),TM(7)	BC-33
*	BC-34	Lee Ck. at Ditch Road	receiving	VOL	W7	B1	SA(1),TM(7)	BC-34
*	BC-35	Pacific Ck. NW of W. Big Rock	receiving	VOL	W14		SA(1),TM(7)	BC-35
*	BC-36	Golden Ck. above confl. with Lucky Ck.	receiving	VOL	W16		SA(1),TM(7)	BC-36
*	BC-37	Laura Ck. at Ditch Road	receiving	VOL	W5A		SA(1),TM(7)	BC-37
*	BC-38	South Klondike u/s from confl. with Golden Ck.	receiving	VOL	W8	B4	SA(1),TM(7),CN(5)*	BC-38
*	BC-39	Laura Ck. at confl. with South Klondike	receiving	M-WD			SA(1),TM(7),CN(5)	BC-39
*	BC-40	Tributary of Lucky Creek 5m upstream of BC-04	receiving	VOL			SA(1),TM(7)	BC-40
*	BC-41	Bohemian Creek	receiving	VOL			SA(1),TM(7)	BC-41
*	BC-42	Confluence of Lucky diversion with Lucky Ck	receiving	VOL			SA(1),TM(7)	BC-42
*	BC-42S	Sump - near end of Lucky diversion	receiving	VOL			SA(1),TM(7)	BC-42S
*	BC-42U	Upstream of Lucky diversion	receiving	VOL			SA(1),TM(7)	BC-42U
*	BC-42D	Downstream of Lucky diversion	receiving	VOL			SA(1),TM(7)	BC-42D
*	BC-43	Lucky Creek at Lucky/Bohemian Crossing	receiving	VOL			SA(1),TM(7)	BC-43
*	BC-44	Laura Creek 30 m downstream of BC-32	receiving	VOL			SA(1),TM(7)	BC-44
*	BC-45	Discharge at LCCSCS	effluent	VOL			SA(1),TM(7),DM(8)*	BC-45
*	BC-46	Laura Creek, 5m u/s of Canadian Creek confluence	receiving	VOL			SA(1),TM(7)	BC-46
*	BC-47	Canadian Ck, 5m u/s of confluence with Laura Creek	receiving	VOL			SA(1),TM(7)	BC-47
*	BC-48	Upstream Lucky rock drainage	receiving	VOL			SA(1),TM(7)	BC-48
*	BC-49	Start of S. Arm of Lucky Creek below S. Golden	receiving	VOL			SA(1),TM(7)	BC-49
*	BC-50	N. Golden sump drainage	effluent	VOL			SA(1),TM(7)	BC-50
*	BC-51W	Pacific Pit - west side	effluent	VOL			SA(1), DM(8)	BC-51W
*	BC-51E	Pacific Pit - east side	effluent	VOL			SA(1), DM(8)	BC-51E
*	BC-52	Surface Seep below Blue Pit	effluent	VOL			SA(1),TM(7),DM(8)	BC-52
	BC-53	Laura Creek 100m downstream of Ditch Road	receiving	VOL			SA(1),TM(7),CN(5)	BC-53
*	BC-54	Duplicate sample		VOL				BC-54
*	BC-55	Blank		VOL				BC-55
	BC-60	Land Application Soil Sample Sites					SA(1),TM(7),CN(5)	BC-60
	BC-65	Land Application Piezometer		Q/MWA			SA(1),TM(7),CN(5)	BC-65
	BC-66	Land Applicaion Piezemeter		Q/MWA			SA(1),TM(7),CN(5)	BC-66
	BC-67	Blue WRSA Piezometer		VOL			SA(1), DM(8)	BC-67
	BC-68	Blue WRSA Piezometer		VOL			SA(1), DM(8)	BC-68
	BC-69	Blue WRSA Piezometer		VOL			SA(1), DM(8)	BC-69
*	96-L1	Lysimeter - South Canadian pit	effluent	VOL			SA(1),TM(7),DM(8)	96-L1
*	96-L2	Lysimeter - North Canadian near AN silos	effluent	VOL			SA(2), DM(8)	96-L2
*	96-L3	Lysimeter - Near Km 4 on main haul road	effluent	VOL			SA(2), DM(8)	96-L3
*	Blue Lys	Lysimeter - Blue waste rock cover	effluent	VOL			SA(1), DM(8)	Blue Lys
*	VLB-101	Shallow Piezometer below Leach Pad	ground H2O	VOL				VLB-101
*	VLB-102	Shallow Piezometer below Leach Pad	ground H2O	VOL				VLB-102

*	P1	Pacific Creek, between E. and W. Big Rock	receiving	VOL			SA(1), TM(7)	P1
*	P2	North Trib Pacific Creek, between E. and W. Big Rock	receiving	VOL			SA(1), TM(7)	P2
*	P3	Pacific Creek, 1km d/s of P1 and P2	receiving	VOL			SA(1), TM(7)	P3
*	P4	Pacific Creek, 825m d/s of P3	receiving	VOL			SA(1), TM(7)	P4

* Site Designators Assigned by Viceroy
BC-7 through BC-18. Weekly if licence limits exceeded.

Frequency	Description
MWF	Monthly When Flowing
Q/MWM	Quarterly When Not Active / Monthly During Active Mining
Q	Quarterly
DWD	Daily While Discharging
M - CN	Monthly - Cyanide Only
VOL	Voluntary Site

Viceroy Minerals Corporation

Appendix B5.1

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards*	File Reference	402050076	403010140	404050054	405060286
		Station	BC-01	BC-01	BC-01	BC-01
		Date	30-Jan-04	26-Feb-04	30-Mar-04	30-Apr-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.95	7.79	7.59	7.18
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	611	611	622	125
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	279	274	335	60
mg $CaCO_3$/L		Alkalinity	173	183	195	36.6
mg/L		Total Dissolved Solids	423	404	439	145
mg/L	50	Total Suspended Solids	48	4	8	24
mg/L		Chloride	0.6	0.5	0.5	0.6
mg/L		Sulfate	175	170	174	26.9
mg /L	5.0	Ammonia	0.15	< 0.005	< 0.005	< 0.005
mg /L		Nitrate	0.26	0.24	0.23	0.16
mg/L	2.0	Total Cyanide	< 0.002	< 0.002	< 0.002	< 0.002
mg/L	0.25	WAD Cyanide	< 0.002	< 0.002	< 0.002	< 0.002
Total Metals						
mg/L	1.0	Aluminum	0.32	0.049	0.054	1.14
mg/L	1.0	Antimony	0.003	0.002	0.002	0.007
mg/L	0.5	Arsenic	0.011	0.007	0.008	0.014
mg/L		Barium	0.099	0.067	0.075	0.081
mg/L		Berylium	< 0.001	< 0.001	< 0.0002	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.0002	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.01	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002	< 0.00004	< 0.0002
mg/L		Calcium	80.8	80.6	86.6	18.3
mg/L	0.5	Chromium	< 0.001	< 0.001	< 0.0002	0.002
mg/L		Cobalt	< 0.001	< 0.001	0.0003	0.002
mg/L	0.2	Copper	0.002	< 0.001	0.0014	0.004
mg/L	1.0	Iron	0.7	0.15	0.13	1.26
mg/L	0.2	Lead	< 0.001	< 0.001	< 0.0002	0.001
mg/L		Lithium	0.013	0.016	0.014	0.003
mg/L		Magnesium	32.5	33.6	33.5	7.19
mg/L	2.0	Manganese	0.062	0.021	0.04	0.066
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	0.00005
mg/L	0.5	Molybdenum	0.0043	0.0041	0.0043	0.0006
mg/L	0.5	Nickel	0.003	0.002	0.0017	0.004
mg/L		Phosphorus	0.2	< 0.15	0.09	0.3
mg/L		Potassium	1.5	1.6	1.51	2
mg/L	0.05	Selenium	< 0.001	< 0.001	0.0018	< 0.001
mg/L		Silicon	14.7	13.6	12.7	8.3
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00005	< 0.00025
mg/L		Sodium	5.34	5.26	4.69	1.88
mg/L		Strontium	0.43	0.42	0.412	0.079
mg/L		Sulphur	84.5	51.2	113	8.38
mg/L		Thallium	< 0.0001	< 0.0001	< 0.00002	< 0.0001
mg/L		Tin	< 0.001	< 0.001	< 0.0002	< 0.001
mg/L		Titanium	0.015	0.002	0.0023	0.028
mg/L		Uranium	0.0035	0.0034	0.0026	< 0.0005
mg/L		Vanadium	0.003	0.001	0.0016	0.004
mg/L	0.5	Zinc	0.007	0.011	0.007	0.014

Viceroy Minerals Corporation

Appendix B5.1

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards[1]	File Reference	406010327	406290363	408030114	409030222
		Station	BC-01	BC-01	BC-01	BC-01
		Date	27-May-04	25-Jun-04	27-Jul-04	30-Aug-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.57	7.77	7.88	7.81
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	239	450	487	508
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	106	193	217	202
mg $CaCO_3$/L		Alkalinity	70.4	135	133	122
mg/L		Total Dissolved Solids	215	350	341	369
mg/L	50	Total Suspended Solids	69	7	16	11
mg/L		Chloride	0.9	1	1.1	1.5
mg/L		Sulfate	49.4	125	120	106
mg /L	5.0	Ammonia	<0.005	<0.005	0.019	<0.005
mg /L		Nitrate	6	4.8	5.3	9.6
mg/L	2.0	Total Cyanide	0.011	0.004	0.007	0.02
mg/L	0.25	WAD Cyanide	0.008	<0.002	<0.002	0.005
	Total Metals					
mg/L	1.0	Aluminum	1.14	0.13	0.29	0.2
mg/L	1.0	Antimony	0.004	0.003	0.003	0.002
mg/L	0.5	Arsenic	0.009	0.005	0.005	0.005
mg/L		Barium	0.11	0.068	0.078	0.084
mg/L		Berylium	<0.001	<0.001	<0.001	<0.001
mg/L	0.5	Bismuth	<0.001	<0.001	<0.001	<0.001
mg/L		Boron	<0.05	<0.05	<0.05	<0.05
mg/L	0.1	Cadmium	0.0002	<0.0002	<0.0002	<0.0002
mg/L		Calcium	32	53.9	60.2	61.2
mg/L	0.5	Chromium	0.002	<0.001	<0.001	0.001
mg/L		Cobalt	0.019	0.009	0.011	0.021
mg/L	0.2	Copper	0.006	0.001	0.002	0.003
mg/L	1.0	Iron	2.3	0.31	0.58	0.61
mg/L	0.2	Lead	0.001	<0.001	<0.001	<0.001
mg/L		Lithium	0.007	0.01	0.011	0.011
mg/L		Magnesium	12.4	21	23.4	22.7
mg/L	2.0	Manganese	0.14	0.023	0.041	0.054
mg/L	0.005	Mercury	<0.00002	<0.00002	<0.00002	<0.00002
mg/L	0.5	Molybdenum	0.0015	0.0026	0.0029	0.0027
mg/L	0.5	Nickel	0.006	0.002	0.002	0.003
mg/L		Phosphorus	0.4	<0.15	<0.15	<0.15
mg/L		Potassium	1	1.2	1.2	1.4
mg/L	0.05	Selenium	0.003	0.003	0.003	0.005
mg/L		Silicon	10.6	10.8	12.3	12.9
mg/L	0.1	Silver	<0.00025	<0.00025	<0.00025	<0.00025
mg/L		Sodium	8.19	6.95	8.92	14.3
mg/L		Strontium	0.15	0.28	0.32	0.3
mg/L		Sulphur	15.3	34.1	36.7	34.5
mg/L		Thallium	<0.0001	<0.0001	<0.0001	<0.0001
mg/L		Tin	<0.001	<0.001	<0.001	<0.001
mg/L		Titanium	0.036	0.005	0.01	0.007
mg/L		Uranium	0.001	0.002	0.0021	0.0018
mg/L		Vanadium	0.005	0.002	0.002	0.002
mg/L	0.5	Zinc	0.016	<0.005	<0.005	0.007

Viceroy Minerals Corporation

Appendix B5.1

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards*	File Reference	410020056	411010222	411260080	412180035
		Station	BC-01	BC-01	BC-01	BC-01
		Date	22-Sep-04	24-Oct-04	16-Nov-04	14-Dec-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	8.22	8.20	8.24	7.94
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	367	474	528	572
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	188	246	282	333
mg $CaCO_3$/L		Alkalinity	99.5	129	161	173
mg/L		Total Dissolved Solids	242	316	342	371
mg/L	50	Total Suspended Solids	57	3.5	3	3.5
mg/L		Chloride	0.9	0.8	0.54	1.97
mg/L		Sulfate	81.9	114	130	148
mg /L	5.0	Ammonia	<0.020	<0.020	<0.0050	<0.0050
mg /L		Nitrate	2.19	1.72	0.501	0.253
mg/L	2.0	Total Cyanide	<0.025	<0.025	<0.012	<0.0050
mg/L	0.25	WAD Cyanide	<0.025	<0.025	<0.012	<0.0050
	Total Metals					
mg/L	1.0	Aluminum	0.91	0.058	0.17	0.074
mg/L	1.0	Antimony	0.003	0.003	0.003	0.003
mg/L	0.5	Arsenic	0.007	0.004	0.007	0.008
mg/L		Barium	0.11	0.074	0.075	0.079
mg/L		Berylium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002	0.0006	< 0.0002
mg/L		Calcium	58	62.5	69.3	79.9
mg/L	0.5	Chromium	0.002	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	0.007	0.004	0.001	< 0.001
mg/L	0.2	Copper	0.005	0.002	0.003	0.001
mg/L	1.0	Iron	1.64	0.15	0.32	0.43
mg/L	0.2	Lead	< 0.001	< 0.001	0.002	< 0.001
mg/L		Lithium	0.011	0.01	0.012	0.013
mg/L		Magnesium	23.5	24	27.7	30.4
mg/L	2.0	Manganese	0.093	0.014	0.026	0.031
mg/L	0.005	Mercury	< 0.00002	< 0.00002	0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0027	0.0028	0.0033	0.004
mg/L	0.5	Nickel	0.005	0.002	0.001	< 0.001
mg/L		Phosphorus	0.3	< 0.15	< 0.15	< 0.15
mg/L		Potassium	1.3	1	1.4	1.4
mg/L	0.05	Selenium	0.002	0.002	< 0.001	< 0.001
mg/L		Silicon	18.2	13.9	13.5	14.1
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	6.73	5.72	4.81	4.9
mg/L		Strontium	0.29	0.3	0.36	0.41
mg/L		Sulphur	41.8		38	5.31
mg/L		Thallium	< 0.0001	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001	0.001	< 0.001
mg/L		Titanium	0.03	0.002	0.008	0.004
mg/L		Uranium	0.0018	0.0019	0.0028	0.0031
mg/L		Vanadium	0.004	0.001	0.002	0.002
mg/L	0.5	Zinc	0.013	< 0.005	0.009	< 0.005

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards*	File Reference	402050078	403010141	405060287	406010329
		Station	BC-02	BC-02	BC-02	BC-02
		Date	30-Jan-04	25-Feb-04	30-Apr-04	27-May-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.06	7.80	6.75	7.08
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	1290	1270	81	687
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	615	608	31	195
mg $CaCO_3$/L		Alkalinity	184	195	15.6	29.9
mg/L		Total Dissolved Solids	1040	1010	139	544
mg/L	50	Total Suspended Solids	48	4	14	103
mg/L		Chloride	4.7	2.3	0.8	6
mg/L		Sulfate	588	552	20.1	102
mg /L	5.0	Ammonia	0.42	<0.005	0.008	0.034
mg /L		Nitrate	0.14	0.3	0.46	65.5
mg/L	2.0	Total Cyanide	0.01	<0.002	<0.002	0.117
mg/L	0.25	WAD Cyanide	<0.002	<0.002	<0.002	0.07
Total Metals			TM	TM	TM	TM
mg/L	1.0	Aluminum	0.052	0.059	1.25	1.46
mg/L	1.0	Antimony	<0.001	<0.001	0.008	0.001
mg/L	0.5	Arsenic	0.003	0.001	0.006	0.003
mg/L		Barium	0.17	0.1	0.086	0.17
mg/L		Berylium	<0.001	<0.001	<0.001	<0.001
mg/L	0.5	Bismuth	<0.001	<0.001	<0.001	<0.001
mg/L		Boron	<0.05	<0.05	<0.05	<0.05
mg/L	0.1	Cadmium	<0.0002	<0.0002	<0.0002	<0.0002
mg/L		Calcium	178	185	9.71	55
mg/L	0.5	Chromium	<0.001	<0.001	0.001	0.003
mg/L		Cobalt	0.018	0.008	0.003	0.16
mg/L	0.2	Copper	0.001	0.002	0.003	0.005
mg/L	1.0	Iron	19.9	0.28	1.11	3.36
mg/L	0.2	Lead	<0.001	0.001	0.001	0.002
mg/L		Lithium	0.013	0.023	0.002	0.008
mg/L		Magnesium	79.6	88.2	3.74	18.9
mg/L	2.0	Manganese	4.05	0.65	0.089	0.56
mg/L	0.005	Mercury	<0.00002	<0.00002	<0.00002	<0.00002
mg/L	0.5	Molybdenum	<0.0005	<0.0005	<0.0005	<0.0005
mg/L	0.5	Nickel	0.006	0.003	0.003	0.005
mg/L		Phosphorus	0.3	<0.15	0.2	0.4
mg/L		Potassium	1.9	2.6	1.9	1.5
mg/L	0.05	Selenium	<0.001	<0.001	<0.001	0.022
mg/L		Silicon	16.1	15.9	7.5	13
mg/L	0.1	Silver	<0.00025	<0.00025	<0.00025	<0.00025
mg/L		Sodium	20	17.2	2.41	61.9
mg/L		Strontium	0.55	0.52	0.032	0.21
mg/L		Sulphur	200	186	6.34	31.9
mg/L		Thallium	<0.0001	<0.0001	<0.0001	<0.0001
mg/L		Tin	<0.001	<0.001	<0.001	<0.001
mg/L		Titanium	0.002	0.003	0.026	0.045
mg/L		Uranium	0.0011	0.0013	<0.0005	<0.0005
mg/L		Vanadium	<0.001	<0.001	0.003	0.005
mg/L	0.5	Zinc	0.011	0.036	0.012	0.013

Viceroy Minerals Corporation

Appendix B5.1

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards*	File Reference	406290364	408030115	409030225	410020057	411010223
		Station	BC-02	BC-02	BC-02	BC-02	BC-02
		Date	25-Jun-04	27-Jul-04	31-Aug-04	24-Sep-04	24-Oct-04
m/sec		Water Level or Flow					
pH units		pH (field)					
pH units	6.0 - 9.5	pH (lab)	7.35	7.49	7.26	7.91	7.95
uS/cm		Conductivity (field)					
uS/cm		Conductivity (lab)	887	1480	1380	527	828
°C		Temperature (field)					
mg $CaCO_3$/L		Hardness	307	369	343	189	323
mg $CaCO_3$/L		Alkalinity	77.2	81.9	62.8	52.2	96
mg/L		Total Dissolved Solids	808	941	929	406	583
mg/L	50	Total Suspended Solids	4	44	67	39.5	5.5
mg/L		Chloride	8.7	10.5	10.9	5.13	6.24
mg/L		Sulfate	217	228	206	105	200
mg /L	5.0	Ammonia	0.08	0.064	0.095	0.043	0.044
mg /L		Nitrate	55.1	79.3	95.3	26.6	34.8
mg/L	2.0	Total Cyanide	0.077	0.097	0.065	<0.025	<0.025
mg/L	0.25	WAD Cyanide	0.069	0.059	0.059	<0.025	<0.025
	Total Metals		TM	TM	TM	TM	
mg/L	1.0	Aluminum	0.1	0.82	0.81	0.69	0.067
mg/L	1.0	Antimony	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L	0.5	Arsenic	0.001	0.002	0.003	0.002	<0.001
mg/L		Barium	0.1	0.17	0.2	0.13	0.095
mg/L		Berylium	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L	0.5	Bismuth	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L		Boron	<0.05	<0.05	<0.05	<0.05	<0.05
mg/L	0.1	Cadmium	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
mg/L		Calcium	79.5	110	104	59.4	83.3
mg/L	0.5	Chromium	<0.001	0.002	0.002	0.002	<0.001
mg/L		Cobalt	0.12	0.17	0.2	0.067	0.069
mg/L	0.2	Copper	0.001	0.003	0.004	0.005	0.002
mg/L	1.0	Iron	0.34	1.83	2.04	1.46	0.27
mg/L	0.2	Lead	<0.001	<0.001	0.001	<0.001	<0.001
mg/L		Lithium	0.01	0.015	0.014	0.009	0.011
mg/L		Magnesium	28.5	39.3	35.4	23.5	33.1
mg/L	2.0	Manganese	0.2	0.2	0.28	0.14	0.096
mg/L	0.005	Mercury	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
mg/L	0.5	Molybdenum	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
mg/L	0.5	Nickel	0.002	0.003	0.004	0.005	0.002
mg/L		Phosphorus	<0.15	0.2	0.2	0.2	<0.15
mg/L		Potassium	1.4	2	2.3	1.5	1.4
mg/L	0.05	Selenium	0.019	0.023	0.033	0.009	0.01
mg/L		Silicon	10.7	14.5	14.8	17.6	13.8
mg/L	0.1	Silver	<0.00025	<0.00025	<0.00025	0.004	<0.00025
mg/L		Sodium	57.8	80.5	103	35.7	40.9
mg/L		Strontium	0.29	0.36	0.36	0.2	0.26
mg/L		Sulphur	62.3	70.6	65.8	50	
mg/L		Thallium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
mg/L		Tin	<0.001	<0.001	<0.001	0.002	<0.001
mg/L		Titanium	0.004	0.027	0.028	0.02	0.002
mg/L		Uranium	<0.0005	<0.0005	<0.0005	<0.0005	0.0005
mg/L		Vanadium	<0.001	0.003	0.003	0.002	<0.001
mg/L	0.5	Zinc	<0.005	0.008	0.015	0.012	<0.005

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

Units	Water License Discharge Standards[1]	File Reference	402050079	403010142	404050055	405060288
		Station	BC-03	BC-03	BC-03	BC-03
		Date	30-Jan-04	25-Feb-04	29-Mar-04	30-Apr-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.85	7.76	7.62	7.46
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	1400	682	678	205
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	718	310	357	99
mg $CaCO_3$/L		Alkalinity	224	202	209	65.3
mg/L		Total Dissolved Solids	1080	456	489	185
mg/L	50	Total Suspended Solids	1	3	1	32
mg/L		Chloride	3.6	0.5	0.4	0.5
mg/L		Sulfate	666	193	197	44.1
mg /L	5.0	Ammonia	0.01	<0.005	<0.005	0.008
mg /L		Nitrate	1.4	0.24	0.22	0.092
mg/L	2.0	Total Cyanide	0.01	<0.002	<0.002	<0.002
mg/L	0.25	WAD Cyanide	<0.002	<0.002	<0.002	<0.002
Total Metals						
mg/L	1.0	Aluminum	0.013	0.14	0.013	0.91
mg/L	1.0	Antimony	<0.001	0.003	0.0023	0.011
mg/L	0.5	Arsenic	0.001	0.002	0.0012	0.022
mg/L		Barium	0.097	0.065	0.072	0.1
mg/L		Berylium	<0.001	<0.001	<0.0002	<0.001
mg/L	0.5	Bismuth	<0.001	<0.001	<0.0002	<0.001
mg/L		Boron	<0.05	<0.05	<0.01	<0.05
mg/L	0.1	Cadmium	<0.0002	<0.0002	<0.00004	<0.0002
mg/L		Calcium	207	87.5	109	30.1
mg/L	0.5	Chromium	<0.001	<0.001	<0.0002	0.001
mg/L		Cobalt	0.017	<0.001	0.0006	<0.001
mg/L	0.2	Copper	0.002	0.014	0.0005	0.005
mg/L	1.0	Iron	0.21	0.4	0.13	1.37
mg/L	0.2	Lead	<0.001	<0.001	<0.0002	0.001
mg/L		Lithium	0.023	0.017	0.016	0.005
mg/L		Magnesium	95.2	38.4	44.8	12.2
mg/L	2.0	Manganese	0.12	0.096	0.092	0.081
mg/L	0.005	Mercury	<0.00002	<0.00002	<0.00002	0.00004
mg/L	0.5	Molybdenum	<0.0005	0.0024	0.0024	0.001
mg/L	0.5	Nickel	0.003	0.003	0.0027	0.005
mg/L		Phosphorus	<0.15	<0.15	0.05	0.3
mg/L		Potassium	3	1.8	1.6	1.9
mg/L	0.05	Selenium	0.006	<0.001	0.0012	<0.001
mg/L		Silicon	18.7	11.1	9.29	8.2
mg/L	0.1	Silver	<0.00025	<0.00025	<0.00005	<0.00025
mg/L		Sodium	20	4.95	4.31	1.53
mg/L		Strontium	0.61	0.46	0.458	0.14
mg/L		Sulphur	209	59.6	94.6	13.7
mg/L		Thallium	<0.0001	<0.0001	<0.00002	<0.0001
mg/L		Tin	0.002	<0.001	<0.0002	<0.001
mg/L		Titanium	0.001	0.005	0.0008	0.021
mg/L		Uranium	0.0012	0.0028	0.0021	0.0006
mg/L		Vanadium	<0.001	<0.001	0.0003	0.004
mg/L	0.5	Zinc	0.016	0.009	0.004	0.015

Viceroy Minerals Corporation

Appendix B5.1

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards[1]	File Reference	406010330	406290365	408030116	409030227	410020058
		Station	BC-03	BC-03	BC-03	BC-03	BC-03
		Date	27-May-04	25-Jun-04	27-Jul-04	31-Aug-04	24-Sep-04
m/sec		Water Level or Flow					
pH units		pH (field)					
pH units	6.0 - 9.5	pH (lab)	7.69	7.87	7.99	7.84	8.21
uS/cm		Conductivity (field)					
uS/cm		Conductivity (lab)	236	354	481	478	356
°C		Temperature (field)					
mg $CaCO_3$/L		Hardness	116	200	-	212	176
mg $CaCO_3$/L		Alkalinity	83.8	149	148	145	107
mg/L		Total Dissolved Solids	195	318	343	352	233
mg/L	50	Total Suspended Solids	37	19	17	39	206
mg/L		Chloride	0.6	0.63	0.31	0.72	<0.50
mg/L		Sulfate	53.1	130	129	116	80.6
mg /L	5.0	Ammonia	<0.005	0.009	0.014	0.152	0.036
mg /L		Nitrate	2.5	0.204	0.17	0.15	0.282
mg/L	2.0	Total Cyanide	0.004	<0.002	0.142	<0.002	<0.025
mg/L	0.25	WAD Cyanide	0.003	<0.002	<0.002	<0.002	<0.025
	Total Metals						
mg/L	1.0	Aluminum	1.14	0.12	0.18	0.28	1.79
mg/L	1.0	Antimony	0.004	0.004	0.003	0.003	0.003
mg/L	0.5	Arsenic	0.007	0.003	0.003	0.003	0.006
mg/L		Barium	0.088	0.061	0.067	0.075	0.14
mg/L		Berylium	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L	0.5	Bismuth	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L		Boron	<0.05	<0.05	<0.05	<0.05	<0.05
mg/L	0.1	Cadmium	0.0002	<0.0002	<0.0002	<0.0002	<0.0002
mg/L		Calcium	31.9	54.3	64	59.1	52
mg/L	0.5	Chromium	0.002	<0.001	<0.001	0.001	0.004
mg/L		Cobalt	0.007	<0.001	<0.001	<0.001	0.002
mg/L	0.2	Copper	0.038	0.001	0.002	0.003	0.008
mg/L	1.0	Iron	1.52	0.3	0.47	0.74	3.26
mg/L	0.2	Lead	<0.001	<0.001	<0.001	<0.001	0.002
mg/L		Lithium	0.007	0.01	0.014	0.012	0.011
mg/L		Magnesium	12.4	22.4	26.4	23.1	21.5
mg/L	2.0	Manganese	0.081	0.036	0.055	0.085	0.15
mg/L	0.005	Mercury	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
mg/L	0.5	Molybdenum	0.0012	0.0018	0.0023	0.0019	0.002
mg/L	0.5	Nickel	0.005	0.002	0.003	0.003	0.009
mg/L		Phosphorus	0.2	<0.15	<0.15	<0.15	0.6
mg/L		Potassium	1.1	1.2	1.4	1.3	1.3
mg/L	0.05	Selenium	0.002	0.001	0.001	0.001	0.002
mg/L		Silicon	10.6	8.5	10.7	10.4	16.2
mg/L	0.1	Silver	0.0003	<0.00025	<0.00025	<0.00025	<0.00025
mg/L		Sodium	4.32	2.71	3.56	3.14	2.82
mg/L		Strontium	0.16	0.3	0.35	0.31	0.26
mg/L		Sulphur	16.2	35.5	39.4	35.9	35
mg/L		Thallium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
mg/L		Tin	0.007	<0.001	<0.001	<0.001	<0.001
mg/L		Titanium	0.038	0.004	0.006	0.011	0.053
mg/L		Uranium	0.001	0.0017	0.0019	0.0016	0.0018
mg/L		Vanadium	0.005	<0.001	<0.001	0.001	0.006
mg/L	0.5	Zinc	0.016	<0.005	0.006	0.007	0.028

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards[1]	File Reference	411010224	411260081	412180036
		Station	BC-03	BC-03	BC-03
		Date	24-Oct-04	16-Nov-04	13-Dec-04
m/sec		**Water Level or Flow**			
pH units		**pH (field)**			
pH units	6.0 - 9.5	**pH (lab)**	8.18	8.24	8.07
uS/cm		**Conductivity (field)**			
uS/cm		**Conductivity (lab)**	520	594	651
°C		**Temperature (field)**			
mg $CaCO_3$/L		**Hardness**	282	302	391
mg $CaCO_3$/L		**Alkalinity**	144	179	189
mg/L		**Total Dissolved Solids**	356	394	439
mg/L	50	**Total Suspended Solids**	<3.0	<3.0	<3.0
mg/L		**Chloride**	<0.50	<0.50	1.68
mg/L		**Sulfate**	132	153	183
mg /L	5.0	**Ammonia**	0.024	0.01	0.0093
mg /L		**Nitrate**	0.184	0.322	0.271
mg/L	2.0	**Total Cyanide**	<0.025	<0.012	<0.0050
mg/L	0.25	**WAD Cyanide**	<0.025	<0.012	<0.0050
Total Metals					
mg/L	1.0	**Aluminum**	0.026	0.071	0.027
mg/L	1.0	**Antimony**	0.004	0.004	0.003
mg/L	0.5	**Arsenic**	0.001	0.002	0.001
mg/L		**Barium**	0.068	0.082	0.074
mg/L		**Beryllium**	< 0.001	< 0.001	< 0.001
mg/L	0.5	**Bismuth**	< 0.001	< 0.001	< 0.001
mg/L		**Boron**	< 0.05	< 0.05	< 0.05
mg/L	0.1	**Cadmium**	< 0.0002	< 0.0002	< 0.0002
mg/L		**Calcium**	68.4	93.1	86.1
mg/L	0.5	**Chromium**	< 0.001	< 0.001	< 0.001
mg/L		**Cobalt**	< 0.001	0.001	< 0.001
mg/L	0.2	**Copper**	0.001	0.002	0.001
mg/L	1.0	**Iron**	0.18	0.36	0.42
mg/L	0.2	**Lead**	< 0.001	< 0.001	< 0.001
mg/L		**Lithium**	0.012	0.02	0.016
mg/L		**Magnesium**	29	40.4	35.6
mg/L	2.0	**Manganese**	0.049	0.07	0.084
mg/L	0.005	**Mercury**	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	**Molybdenum**	0.0019	0.0028	0.002
mg/L	0.5	**Nickel**	0.003	0.003	0.003
mg/L		**Phosphorus**	< 0.15	< 0.15	< 0.15
mg/L		**Potassium**	1.2	2	1.7
mg/L	0.05	**Selenium**	0.002	0.001	< 0.001
mg/L		**Silicon**	11.6	12.9	10.9
mg/L	0.1	**Silver**	< 0.00025	< 0.00025	< 0.00025
mg/L		**Sodium**	3.64	5.06	4.4
mg/L		**Strontium**	0.35	0.51	0.45
mg/L		**Sulphur**		45.6	6.37
mg/L		**Thallium**	< 0.0001	< 0.0001	< 0.0001
mg/L		**Tin**	< 0.001	0.003	< 0.001
mg/L		**Titanium**	0.001	0.003	0.001
mg/L		**Uranium**	0.0018	0.0029	0.0024
mg/L		**Vanadium**	< 0.001	< 0.001	< 0.001
mg/L	0.5	**Zinc**	< 0.005	0.005	0.005

Viceroy Minerals Corporation

Appendix B5.1

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards[1]	File Reference	404050056	406290354	410020059	412180037
		Station	BC-04	BC-04	BC-04	BC-04
		Date	30-Mar-04	24-Jun-04	22-Sep-04	15-Dec-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.68	7.83	8.30	8.21
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	837	522	680	802
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	463	258	389	511
mg $CaCO_3$/L		Alkalinity	252	166	184	224
mg/L		Total Dissolved Solids	606	381	499	556
mg/L	50	Total Suspended Solids	4	9	8.5	3.5
mg/L		Chloride	0.3	< 0.2	<0.50	1.79
mg/L		Sulfate	265	182	202	250
mg /L	5.0	Ammonia	< 0.005	< 0.005	0.01	0.018
mg /L		Nitrate	0.21	0.5	0.215	0.278
mg/L	2.0	Total Cyanide	-	-		-
mg/L	0.25	WAD Cyanide	-	-		-
	Total Metals					
mg/L	1.0	Aluminum	0.022	0.29	0.075	0.033
mg/L	1.0	Antimony	0.0033	0.004	0.004	0.004
mg/L	0.5	Arsenic	0.0025	0.006	0.003	0.003
mg/L		Barium	0.088	0.085	0.092	0.095
mg/L		Beryllium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.01	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.00011	< 0.0002	< 0.0002	< 0.0002
mg/L		Calcium	145	67.4	108	123
mg/L	0.5	Chromium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	0.0004	< 0.001	< 0.001	< 0.001
mg/L	0.2	Copper	0.0004	0.001	0.001	< 0.001
mg/L	1.0	Iron	0.2	0.65	0.24	0.8
mg/L	0.2	Lead	< 0.0002	0.002	< 0.001	< 0.001
mg/L		Lithium	0.0062	0.005	0.007	0.007
mg/L		Magnesium	54.7	29	46	50.9
mg/L	2.0	Manganese	0.102	0.073	0.082	0.13
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0035	0.0018	0.0028	0.0032
mg/L	0.5	Nickel	0.0036	0.004	0.003	0.003
mg/L		Phosphorus	0.07	< 0.15	< 0.15	< 0.15
mg/L		Potassium	1.49	1	1.6	1.6
mg/L	0.05	Selenium	0.0024	0.003	0.003	0.003
mg/L		Silicon	7.7	7.5	9.1	9.6
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	1.31	1.35	1.91	1.81
mg/L		Strontium	0.583	0.4	0.54	0.59
mg/L		Sulphur	104	50.1	98.5	8.77
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Titanium	0.0009	0.011	0.003	0.002
mg/L		Uranium	0.0036	0.0026	0.0038	0.0048
mg/L		Vanadium	0.001	0.002	0.001	< 0.001
mg/L	0.5	Zinc	0.011	0.014	0.011	0.011

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards[2]	File Reference	404050058	410020060	412180038
		Station	BC-05	BC-05	BC-05
		Date	30-Mar-04	22-Sep-04	15-Dec-04
m/sec		Water Level or Flow			
pH units		pH (field)			
pH units	6.0 - 9.5	pH (lab)	7.81	8.29	8.24
uS/cm		Conductivity (field)			
uS/cm		Conductivity (lab)	856	456	707
°C		Temperature (field)			
mg $CaCO_3$/L		Hardness	486	259	436
mg $CaCO_3$/L		Alkalinity	267	135	216
mg/L		Total Dissolved Solids	618	317	474
mg/L	50	Total Suspended Solids	2	<3.0	<3.0
mg/L		Chloride	0.5	<0.50	0.76
mg/L		Sulfate	268	122	193
mg /L	5.0	Ammonia	< 0.005	0.0053	0.013
mg /L		Nitrate	0.14	<0.0050	0.126
mg/L	2.0	Total Cyanide	-		-
mg/L	0.25	WAD Cyanide	-		-
	Total Metals				
mg/L	1.0	Aluminum	0.005	0.079	0.013
mg/L	1.0	Antimony	0.0003	< 0.001	< 0.001
mg/L	0.5	Arsenic	0.0003	< 0.001	< 0.001
mg/L		Barium	0.07	0.061	0.073
mg/L		Berylium	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001
mg/L		Boron	< 0.01	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.00004	< 0.0002	< 0.0002
mg/L		Calcium	135	63.1	101
mg/L	0.5	Chromium	< 0.0002	< 0.001	< 0.001
mg/L		Cobalt	< 0.0002	< 0.001	< 0.001
mg/L	0.2	Copper	0.001	0.002	0.002
mg/L	1.0	Iron	0.03	0.14	0.45
mg/L	0.2	Lead	< 0.0002	< 0.001	< 0.001
mg/L		Lithium	0.0062	0.005	0.006
mg/L		Magnesium	54.8	26.3	41.7
mg/L	2.0	Manganese	0.013	0.023	0.004
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0024	0.0023	0.0021
mg/L	0.5	Nickel	0.0018	0.004	0.001
mg/L		Phosphorus	0.07	< 0.15	< 0.15
mg/L		Potassium	1.05	0.8	1
mg/L	0.05	Selenium	0.0015	0.002	< 0.001
mg/L		Silicon	8.34	9.7	9.7
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025
mg/L		Sodium	2.13	1.85	2.3
mg/L		Strontium	0.461	0.24	0.38
mg/L		Sulphur	94.9	50.5	6.7
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001
mg/L		Tin	< 0.0002	< 0.001	< 0.001
mg/L		Titanium	0.0005	0.002	< 0.001
mg/L		Uranium	0.0033	0.0018	0.0031
mg/L		Vanadium	0.0007	0.001	< 0.001
mg/L	0.5	Zinc	0.007	0.013	0.009

Viceroy Minerals Corporation

Appendix B5.1

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards'	File Reference	404050062	406290357	410020061	412180039
		Station	BC-06	BC-06	BC-06	BC-06
		Date	30-Mar-04	24-Jun-04	22-Sep-04	15-Dec-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.67	7.50	8.24	8.07
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	314	180	304	329
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	157	81	156	172
mg $CaCO_3$/L		Alkalinity	107	73.5	92.6	95.4
mg/L		Total Dissolved Solids	224	132	188	192
mg/L	50	Total Suspended Solids	1	<1	<3.0	<3.0
mg/L		Chloride	0.3	<0.2	<0.50	1.81
mg/L		Sulfate	76.9	47.1	64.5	70.7
mg /L	5.0	Ammonia	<0.005	<0.005	<0.0050	<0.0050
mg /L		Nitrate	0.18	0.065	0.0689	0.183
mg/L	2.0	Total Cyanide	<0.002	<0.002	<0.025	<0.0050
mg/L	0.25	WAD Cyanide	<0.002	<0.002	<0.025	<0.0050
Total Metals						
mg/L	1.0	Aluminum	0.005	0.034	0.014	0.01
mg/L	1.0	Antimony	<0.0002	<0.001	<0.001	<0.001
mg/L	0.5	Arsenic	0.0004	<0.001	<0.001	0.003
mg/L		Barium	0.066	0.042	0.064	0.067
mg/L		Berylium	<0.0002	<0.001	<0.001	<0.001
mg/L	0.5	Bismuth	<0.0002	<0.001	<0.001	<0.001
mg/L		Boron	<0.01	<0.05	<0.05	<0.05
mg/L	0.1	Cadmium	<0.00004	<0.0002	<0.0002	<0.0002
mg/L		Calcium	41.5	25.2	47.6	45.5
mg/L	0.5	Chromium	<0.0002	<0.001	<0.001	<0.001
mg/L		Cobalt	<0.0002	<0.001	<0.001	<0.001
mg/L	0.2	Copper	0.0004	<0.001	<0.001	0.002
mg/L	1.0	Iron	<0.01	<0.05	<0.05	0.2
mg/L	0.2	Lead	<0.0002	<0.001	<0.001	<0.001
mg/L		Lithium	0.002	0.001	0.003	0.002
mg/L		Magnesium	12.4	7.26	15.9	14.5
mg/L	2.0	Manganese	0.011	0.006	0.007	0.003
mg/L	0.005	Mercury	<0.00002	<0.00002	<0.00002	<0.00002
mg/L	0.5	Molybdenum	0.0005	<0.0005	0.0007	0.0006
mg/L	0.5	Nickel	0.0006	<0.001	<0.001	<0.001
mg/L		Phosphorus	0.04	<0.15	<0.15	<0.15
mg/L		Potassium	0.46	0.4	0.7	0.6
mg/L	0.05	Selenium	<0.0002	<0.001	<0.001	<0.001
mg/L		Silicon	5.92	5.4	6.7	7.1
mg/L	0.1	Silver	<0.00005	<0.00025	<0.00025	<0.00025
mg/L		Sodium	2.43	1.57	2.74	2.73
mg/L		Strontium	0.238	0.16	0.27	0.24
mg/L		Sulphur	29.4	12.7	29.1	2.51
mg/L		Thallium	<0.00002	<0.0001	<0.0001	<0.0001
mg/L		Tin	<0.0002	<0.001	<0.001	<0.001
mg/L		Titanium	0.0003	0.001	<0.001	0.001
mg/L		Uranium	0.0007	<0.0005	0.001	0.001
mg/L		Vanadium	<0.0002	<0.001	<0.001	<0.001
mg/L	0.5	Zinc	0.002	<0.005	<0.005	<0.005

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards	File Reference / Station / Date	406010336 BC-16 27-May-04	406290361 BC-16 24-Jun-04	408030182 BC-16 29-Jul-04	409030238 BC-16 27-Aug-04	410020065 BC-16 23-Sep-04
m/sec		**Water Level or Flow**					
pH units		**pH (field)**					
pH units	6.0 - 9.5	**pH (lab)**	7.78	7.81	7.88	7.62	8.14
uS/cm		**Conductivity (field)**					
uS/cm		**Conductivity (lab)**	609	607	613	546	533
°C		**Temperature (field)**					
mg $CaCO_3$/L		**Hardness**	325	310	-	259	294
mg $CaCO_3$/L		**Alkalinity**	200	156	141	127	118
mg/L		**Total Dissolved Solids**	490	498	503	397	368
mg/L	50	**Total Suspended Solids**	20	78	16	115	<3.0
mg/L		**Chloride**	1.6	2.5	1.9	1.6	1.97
mg/L		**Sulfate**	160	262	231	160	164
mg /L	5.0	**Ammonia**	<0.005	<0.005	0.022	<0.005	0.0067
mg /L		**Nitrate**	0.85	0.202	0.15	0.05	<0.0050
mg/L	2.0	**Total Cyanide**	-	-	-	-	
mg/L	0.25	**WAD Cyanide**	-	-	-	-	
Total Metals							
mg/L	1.0	**Aluminum**	0.085	0.095	0.170	0.240	0.023
mg/L	1.0	**Antimony**	0.036	0.032	0.025	0.015	0.014
mg/L	0.5	**Arsenic**	0.011	0.011	0.018	0.022	0.007
mg/L		**Barium**	0.066	0.056	0.079	0.098	0.061
mg/L		**Beryllium**	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L	0.5	**Bismuth**	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L		**Boron**	<0.05	<0.05	<0.05	<0.05	<0.05
mg/L	0.1	**Cadmium**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
mg/L		**Calcium**	102	89.2	93.8	78.6	101
mg/L	0.5	**Chromium**	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L		**Cobalt**	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L	0.2	**Copper**	0.001	0.001	0.002	0.002	0.001
mg/L	1.0	**Iron**	0.29	0.26	0.55	0.99	<0.05
mg/L	0.2	**Lead**	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L		**Lithium**	0.003	0.002	0.003	0.003	0.004
mg/L		**Magnesium**	23.5	27	30.1	24.1	35
mg/L	2.0	**Manganese**	0.022	0.041	0.099	0.12	0.04
mg/L	0.005	**Mercury**	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
mg/L	0.5	**Molybdenum**	0.0006	0.001	0.0009	0.0006	0.0008
mg/L	0.5	**Nickel**	0.001	0.002	0.002	0.003	0.002
mg/L		**Phosphorus**	<0.15	<0.15	<0.15	0.2	<0.15
mg/L		**Potassium**	1.4	1.2	1.4	1.5	1.8
mg/L	0.05	**Selenium**	0.008	0.004	0.002	<0.001	0.001
mg/L		**Silicon**	9.4	8.2	9.5	9.4	10.9
mg/L	0.1	**Silver**	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
mg/L		**Sodium**	1.23	1.96	2.31	2.57	3.46
mg/L		**Strontium**	0.29	0.28	0.29	0.26	0.33
mg/L		**Sulphur**	53	71.5	68.9	52.3	91.4
mg/L		**Thallium**	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
mg/L		**Tin**	<0.001	<0.001	<0.001	<0.001	0.001
mg/L		**Titanium**	0.005	0.002	0.004	0.006	<0.001
mg/L		**Uranium**	0.0048	0.005	0.0037	0.002	0.0021
mg/L		**Vanadium**	<0.001	<0.001	<0.001	0.002	<0.001
mg/L	0.5	**Zinc**	0.006	0.005	0.007	0.009	0.008

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC-28

Units	Water License Discharge Standards[4]	File Reference	U2938-2	U3369-3	U3369-4	U3606-1
		Station	BC-28 OP	BC-28 OP	BC-28	BC-28
		Date	26-Apr-04	10-May-04	10-May-04	17-May-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.86	8.05	8.11	8.10
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	2930	4220	3950	3670
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	532	760	686	701
mg $CaCO_3$/L		Alkalinity	40.6	79.7	74.6	68.8
mg/L		Total Dissolved Solids	2340	3480	3190	2850
mg/L	50	Total Suspended Solids	4	7.3	12	5.3
mg/L		Chloride	31.9	47.6	45.1	37.9
mg/L		Sulfate	392	572	530	457
mg /L	5.0	Ammonia	0.28	0.389	0.266	0.236
mg /L		Nitrate	228	428	425	344
mg/L	2.0	Total Cyanide	0.425	0.744	0.143	0.549
mg/L	0.25	WAD Cyanide	0.378	0.16	0.108	0.141
	Total Metals					
mg/L	1.0	Aluminum	0.0712	0.064	0.49	0.233
mg/L	1.0	Antimony	0.553	0.799	0.729	0.791
mg/L	0.5	Arsenic	0.267	0.405	0.358	0.362
mg/L		Barium	0.0603	0.0799	0.096	0.0799
mg/L		Berylium	<0.0025	<0.0050	<0.0050	<0.0050
mg/L	0.5	Bismuth	<0.0025	<0.0050	<0.0050	<0.0050
mg/L		Boron	<0.050	<0.10	<0.10	<0.10
mg/L	0.1	Cadmium	<0.00025	<0.00050	<0.00050	<0.00050
mg/L		Calcium	180	259	236	243
mg/L	0.5	Chromium	<0.0025	<0.0050	<0.0050	<0.0050
mg/L		Cobalt	0.601	1.09	1.02	1.02
mg/L	0.2	Copper	0.00177	0.0021	0.0028	0.0027
mg/L	1.0	Iron	0.068	0.051	0.258	0.163
mg/L	0.2	Lead	0.00046	<0.00050	<0.00050	0.00059
mg/L		Lithium	<0.025	<0.050	<0.050	<0.050
mg/L		Magnesium	20	27.4	23.5	22.9
mg/L	2.0	Manganese	0.0898	0.173	0.162	0.146
mg/L	0.005	Mercury	0.000054	0.000121	0.000104	0.000081
mg/L	0.5	Molybdenum	0.0323	0.0501	0.0468	0.0447
mg/L	0.5	Nickel	0.0193	0.0308	0.0306	0.0271
mg/L		Phosphorus	<0.30	<0.30	<0.30	<0.30
mg/L		Potassium	5.7	8.4	8.1	6.1
mg/L	0.05	Selenium	0.137	0.216	0.199	0.203
mg/L		Silicon	2.2	3.13	3.43	3.02
mg/L	0.1	Silver	0.000063	<0.00010	<0.00010	<0.00010
mg/L		Sodium	384	507	470	457
mg/L		Strontium	0.837	1.25	1.17	1.25
mg/L		Sulphur	122	225	209	148
mg/L		Thallium	<0.00050	<0.0010	<0.0010	<0.0010
mg/L		Tin	0.00082	<0.0010	<0.0010	<0.0010
mg/L		Titanium	<0.010	<0.010	0.013	<0.010
mg/L		Uranium	0.00639	0.00873	0.00748	0.00864
mg/L		Vanadium	<0.0050	<0.010	<0.010	<0.010
mg/L	0.5	Zinc	0.0069	<0.010	<0.010	<0.010

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC-28

Units	Water License Discharge Standards[1]	File Reference	U4020-1	U4060-1	U4306-1	U4575-1
		Station	BC-28	BC-28	BC-28	BC-28
		Date	26-May-04	31-May-04	7-Jun-04	14-Jun-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.90	7.80	7.87	8.08
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	3370	3460	3200	2900
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	681	690	646	475
mg $CaCO_3$/L		Alkalinity	42.7	42.3	35.5	30.5
mg/L		Total Dissolved Solids	2760	2720	2580	2350
mg/L	50	Total Suspended Solids	7.8	13.8	9.3	8
mg/L		Chloride	36.4	37.1	34.4	34.1
mg/L		Sulfate	442	452	428	400
mg /L	5.0	Ammonia	0.075	0.152	0.174	0.164
mg /L		Nitrate	341	348	313	290
mg/L	2.0	Total Cyanide	0.557	0.52	0.3	0.384
mg/L	0.25	WAD Cyanide	0.166	0.204	0.17	0.117
	Total Metals					
mg/L	1.0	Aluminum	0.09	0.077	0.05	0.0297
mg/L	1.0	Antimony	0.748	0.721	0.785	0.75
mg/L	0.5	Arsenic	0.314	0.294	0.299	0.272
mg/L		Barium	0.0632	0.0599	0.0699	0.079
mg/L		Berylium	<0.0050	<0.0050	<0.0050	<0.0025
mg/L	0.5	Bismuth	<0.0050	<0.0050	<0.0050	<0.0025
mg/L		Boron	<0.10	<0.10	<0.10	<0.050
mg/L	0.1	Cadmium	<0.00050	<0.00050	<0.00050	<0.00025
mg/L		Calcium	230	231	213	150
mg/L	0.5	Chromium	<0.0050	<0.0050	<0.0050	<0.0025
mg/L		Cobalt	0.923	0.892	0.876	0.687
mg/L	0.2	Copper	0.0091	0.002	0.0027	0.00148
mg/L	1.0	Iron	0.125	0.145	0.055	0.042
mg/L	0.2	Lead	<0.00050	<0.00050	<0.00050	<0.00025
mg/L		Lithium	<0.050	<0.050	<0.050	<0.025
mg/L		Magnesium	26	27.4	27.5	24.3
mg/L	2.0	Manganese	0.0886	0.0803	0.0562	0.0336
mg/L	0.005	Mercury	0.0001	0.000097	0.000064	0.000096
mg/L	0.5	Molybdenum	0.0361	0.0352	0.0369	0.0355
mg/L	0.5	Nickel	0.0186	0.0152	0.0148	0.0102
mg/L		Phosphorus	<0.30	<0.30	<0.30	<0.30
mg/L		Potassium	4.2	5.6	5.4	5.3
mg/L	0.05	Selenium	0.193	0.159	0.19	0.142
mg/L		Silicon	2.69	2.61	2.3	2.38
mg/L	0.1	Silver	<0.00010	<0.00010	<0.00010	<0.000050
mg/L		Sodium	427	412	410	368
mg/L		Strontium	1.15	1.07	1.16	1.14
mg/L		Sulphur	144	130	143	116
mg/L		Thallium	<0.0010	<0.0010	<0.0010	<0.00050
mg/L		Tin	<0.0010	<0.0010	<0.0010	<0.00050
mg/L		Titanium	<0.010	<0.010	<0.010	<0.010
mg/L		Uranium	0.0105	0.0105	0.0107	0.00894
mg/L		Vanadium	<0.010	<0.010	<0.010	<0.0050
mg/L	0.5	Zinc	<0.010	<0.010	<0.010	<0.0050

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC-28

Units	Water License Discharge Standards[1]	File Reference	U4883-1	U5182-1	U5357-1	U5791-1
		Station	BC-28	BC-28	BC-28	BC-28
		Date	21-Jun-04	28-Jun-04	5-Jul-04	13-Jul-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	8.21	7.81	8.07	8.14
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	2650	2620	2810	2840
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	550	515	574	621
mg $CaCO_3$/L		Alkalinity	33.3	37.5	39.1	37.4
mg/L		Total Dissolved Solids	2120	2090	2220	2330
mg/L	50	Total Suspended Solids	4.7	<3.0	3.5	3.6
mg/L		Chloride	27.5	29.7	27.6	28.8
mg/L		Sulfate	345	352	368	377
mg /L	5.0	Ammonia	0.212	0.075	0.206	0.0113
mg /L		Nitrate	247	250	264	280
mg/L	2.0	Total Cyanide	0.216	0.319	0.279	0.117
mg/L	0.25	WAD Cyanide	0.143	0.13	0.196	0.098
Total Metals						
mg/L	1.0	Aluminum	0.023	0.0118	0.0119	0.0122
mg/L	1.0	Antimony	0.727	0.673	0.7	0.741
mg/L	0.5	Arsenic	0.277	0.235	0.246	0.246
mg/L		Barium	0.0886	0.082	0.0873	0.0839
mg/L		Berylium	<0.0025	<0.0025	<0.0025	<0.0025
mg/L	0.5	Bismuth	<0.0025	<0.0025	<0.0025	<0.0025
mg/L		Boron	<0.050	<0.050	<0.050	<0.050
mg/L	0.1	Cadmium	<0.00025	<0.00025	<0.00025	<0.00025
mg/L		Calcium	182	170	189	205
mg/L	0.5	Chromium	<0.0025	<0.0025	<0.0025	<0.0025
mg/L		Cobalt	0.713	0.583	0.565	0.662
mg/L	0.2	Copper	0.00133	0.00131	0.00112	<0.00050
mg/L	1.0	Iron	<0.030	<0.030	<0.030	<0.030
mg/L	0.2	Lead	<0.00025	<0.00025	<0.00025	<0.00025
mg/L		Lithium	<0.025	<0.025	<0.025	<0.025
mg/L		Magnesium	23.4	22.2	24.5	26.7
mg/L	2.0	Manganese	0.0301	0.0157	0.017	0.0194
mg/L	0.005	Mercury	0.000072	0.000066	0.00007	<0.000050
mg/L	0.5	Molybdenum	0.0336	0.029	0.0305	0.0323
mg/L	0.5	Nickel	0.0108	0.0068	0.0083	0.0081
mg/L		Phosphorus	<0.30	<0.30	<0.30	<0.30
mg/L		Potassium	4.4	4.5	3.8	4.4
mg/L	0.05	Selenium	0.156	0.123	0.125	0.14
mg/L		Silicon	2.29	2.13	2.24	1.93
mg/L	0.1	Silver	0.000086	<0.000050	<0.000050	0.000067
mg/L		Sodium	366	331	351	405
mg/L		Strontium	0.999	0.848	0.796	0.958
mg/L		Sulphur	113	118	115	126
mg/L		Thallium	<0.00050	0.00125	<0.00050	<0.00050
mg/L		Tin	<0.00050	<0.00050	<0.00050	<0.00050
mg/L		Titanium	<0.010	<0.010	<0.010	<0.010
mg/L		Uranium	0.00906	0.00783	0.00875	0.00905
mg/L		Vanadium	<0.0050	<0.0050	<0.0050	<0.0050
mg/L	0.5	Zinc	<0.0050	<0.0050	<0.0050	<0.0050

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC-28

Units	Water License Discharge Standards'	File Reference	U6033-1	407310125	408070057	408120278
		Station	BC-28	BC-28	BC-28	BC-28
		Date	19-Jul-04	26-Jul-04	3-Aug-04	9-Aug-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.60	7.32	8.28	7.89
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	2900	3180	3175	2560
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	656	543	502	473
mg $CaCO_3$/L		Alkalinity	38.5	40.4	46.1	49.3
mg/L		Total Dissolved Solids	2460	2310	2060	1730
mg/L	50	Total Suspended Solids	5.2	4	7	8
mg/L		Chloride	33.6	28.7	26.5	24.8
mg/L		Sulfate	396	377	370	333
mg /L	5.0	Ammonia	0.254	0.236	0.12	0.133
mg /L		Nitrate	296	267	215	202
mg/L	2.0	Total Cyanide	0.34	0.409	0.378	0.328
mg/L	0.25	WAD Cyanide	0.154	0.316	0.211	0.174
Total Metals						
mg/L	1.0	Aluminum	<0.0050	0.035	0.29	0.11
mg/L	1.0	Antimony	0.749	0.69	0.69	0.73
mg/L	0.5	Arsenic	0.256	0.24	0.25	0.26
mg/L		Barium	0.0819	0.088	0.1	0.12
mg/L		Berylium	<0.0025	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	<0.0025	< 0.001	< 0.001	< 0.001
mg/L		Boron	<0.050	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	<0.00025	< 0.0002	< 0.0002	< 0.0002
mg/L		Calcium	216	190	186	173
mg/L	0.5	Chromium	<0.0025	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	0.722	0.69	0.7	0.55
mg/L	0.2	Copper	0.00085	0.003	0.003	0.004
mg/L	1.0	Iron	<0.030	0.13	0.4	0.41
mg/L	0.2	Lead	<0.00025	< 0.001	< 0.001	< 0.001
mg/L		Lithium	<0.025	0.003	0.003	0.002
mg/L		Magnesium	28	23	23.1	20.4
mg/L	2.0	Manganese	0.0212	0.031	0.029	0.017
mg/L	0.005	Mercury	<0.000050	0.00012	0.00009	0.00018
mg/L	0.5	Molybdenum	0.0329	0.03	0.029	0.031
mg/L	0.5	Nickel	0.0094	0.011	0.012	0.01
mg/L		Phosphorus	<0.30	0.2	< 0.15	0.8
mg/L		Potassium	4.7	4.4	4.4	4.8
mg/L	0.05	Selenium	0.148	0.11	0.11	0.1
mg/L		Silicon	1.86	4.2	4.8	4.5
mg/L	0.1	Silver	<0.000050	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	413	371	382	291
mg/L		Strontium	0.991	0.92	0.89	0.83
mg/L		Sulphur	132	130	120	104
mg/L		Thallium	<0.00050	0.0074	0.0002	< 0.0001
mg/L		Tin	<0.00050	< 0.001	< 0.001	< 0.001
mg/L		Titanium	<0.010	0.002	0.009	0.004
mg/L		Uranium	0.00849	0.0077	0.0077	0.0065
mg/L		Vanadium	<0.0050	< 0.001	0.001	0.001
mg/L	0.5	Zinc	<0.0050	< 0.005	0.006	< 0.005

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC-28

Units	Water License Discharge Standards[1]	File Reference	408230069	U7314-01	U7489-01	U7712-01
		Station	BC-28	BC-28	BC-28	BC-28
		Date	18-Aug-04	19-Aug-04	25-Aug-04	31-Aug-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	8.41		8.21	8.29
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	2530		2520	2680
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	431		512	710
mg $CaCO_3$/L		Alkalinity	61.1		64.2	70.6
mg/L		Total Dissolved Solids	1790		2030	2120
mg/L	50	Total Suspended Solids	< 1		3.3	<3.0
mg/L		Chloride	24.5		26	30.3
mg/L		Sulfate	330		301	359
mg /L	5.0	Ammonia	0.34		0.232	0.188
mg /L		Nitrate	< 0.005		207	249
mg/L	2.0	Total Cyanide	0.35	0.145	0.292	0.242
mg/L	0.25	WAD Cyanide	0.054	0.066	0.104	0.125
Total Metals						
mg/L	1.0	Aluminum	0.02		0.0124	0.0224
mg/L	1.0	Antimony	0.69		0.826	0.807
mg/L	0.5	Arsenic	0.25		0.254	0.289
mg/L		Barium	0.12		0.111	0.113
mg/L		Berylium	< 0.001		<0.0025	<0.0025
mg/L	0.5	Bismuth	< 0.001		<0.0025	<0.0025
mg/L		Boron	< 0.05		<0.050	<0.050
mg/L	0.1	Cadmium	< 0.0002		<0.00025	<0.00025
mg/L		Calcium	162		168	245
mg/L	0.5	Chromium	< 0.001		<0.0025	<0.0025
mg/L		Cobalt	0.52		0.526	0.628
mg/L	0.2	Copper	0.004		0.00267	0.00285
mg/L	1.0	Iron	0.26		<0.030	<0.030
mg/L	0.2	Lead	< 0.001		<0.00025	<0.00025
mg/L		Lithium	0.003		<0.025	<0.025
mg/L		Magnesium	18.4		22.4	23.8
mg/L	2.0	Manganese	0.011		0.0124	0.0197
mg/L	0.005	Mercury	0.00009		0.000099	0.000093
mg/L	0.5	Molybdenum	0.027		0.0316	0.0333
mg/L	0.5	Nickel	0.008		0.0065	0.0077
mg/L		Phosphorus	1		<0.30	<0.30
mg/L		Potassium	5.5		4.8	5.3
mg/L	0.05	Selenium	0.093		0.118	0.139
mg/L		Silicon	4.3		1.39	1.25
mg/L	0.1	Silver	< 0.00025		0.000086	<0.000050
mg/L		Sodium	223		313	397
mg/L		Strontium	0.79		0.826	0.922
mg/L		Sulphur	103		110	136
mg/L		Thallium	< 0.0001		<0.00050	<0.00050
mg/L		Tin	< 0.001		<0.00050	<0.00050
mg/L		Titanium	< 0.001		<0.010	<0.010
mg/L		Uranium	0.0073		0.00813	0.00837
mg/L		Vanadium	< 0.001		<0.0050	<0.0050
mg/L	0.5	Zinc	< 0.005		<0.0050	<0.0050

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC-28

Units	Water License Discharge Standards[1]	File Reference	U7939-1	U8234-01
		Station	BC-28	BC-28
		Date	7-Sep-04	13-Sep-04
m/sec		Water Level or Flow		
pH units		pH (field)		
pH units	6.0 - 9.5	pH (lab)	8.05	8.43
uS/cm		Conductivity (field)		
uS/cm		Conductivity (lab)	4110	3020
°C		Temperature (field)		
mg $CaCO_3$/L		Hardness	915	640
mg $CaCO_3$/L		Alkalinity	244	73.7
mg/L		Total Dissolved Solids	3200	2490
mg/L	50	Total Suspended Solids	12	3.5
mg/L		Chloride	47.9	34.3
mg/L		Sulfate	561	421
mg /L	5.0	Ammonia	3.13	0.109
mg /L		Nitrate	367	293
mg/L	2.0	Total Cyanide	0.355	0.225
mg/L	0.25	WAD Cyanide	0.154	0.17
Total Metals				
mg/L	1.0	Aluminum	0.039	0.0741
mg/L	1.0	Antimony	0.878	0.841
mg/L	0.5	Arsenic	0.484	0.326
mg/L		Barium	0.0888	0.107
mg/L		Berylium	<0.0050	<0.0025
mg/L	0.5	Bismuth	<0.0050	<0.0025
mg/L		Boron	<0.10	<0.050
mg/L	0.1	Cadmium	<0.00050	0.00036
mg/L		Calcium	323	211
mg/L	0.5	Chromium	<0.0050	<0.0025
mg/L		Cobalt	1.16	0.76
mg/L	0.2	Copper	0.0035	0.00479
mg/L	1.0	Iron	0.054	0.054
mg/L	0.2	Lead	<0.00050	<0.00025
mg/L		Lithium	<0.050	<0.025
mg/L		Magnesium	26.3	27.5
mg/L	2.0	Manganese	0.574	0.0378
mg/L	0.005	Mercury	0.000282	0.000095
mg/L	0.5	Molybdenum	0.0512	0.0373
mg/L	0.5	Nickel	0.0427	0.0117
mg/L		Phosphorus	<0.30	<0.30
mg/L		Potassium	8.9	5.3
mg/L	0.05	Selenium	0.186	0.146
mg/L		Silicon	3.57	1.32
mg/L	0.1	Silver	<0.00010	0.000057
mg/L		Sodium	563	396
mg/L		Strontium	1.42	1.08
mg/L		Sulphur	174	129
mg/L		Thallium	<0.0010	<0.00050
mg/L		Tin	<0.0010	<0.00050
mg/L		Titanium	<0.010	<0.010
mg/L		Uranium	0.0101	0.0098
mg/L		Vanadium	<0.010	<0.0050
mg/L	0.5	Zinc	0.024	0.0229

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

Units	Water License Discharge Standards[1]	File Reference	410020069
		Station	BC-31
		Date	22-Sep-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	8.33
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	549
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	326
mg $CaCO_3$/L		Alkalinity	169
mg/L		Total Dissolved Solids	357
mg/L	50	Total Suspended Solids	<3.0
mg/L		Chloride	<0.50
mg/L		Sulfate	144
mg /L	5.0	Ammonia	0.0053
mg /L		Nitrate	0.0638
mg/L	2.0	Total Cyanide	
mg/L	0.25	WAD Cyanide	
Total Metals			
mg/L	1.0	Aluminum	0.076
mg/L	1.0	Antimony	< 0.001
mg/L	0.5	Arsenic	< 0.001
mg/L		Barium	0.06
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	< 0.0002
mg/L		Calcium	74.3
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	< 0.001
mg/L	0.2	Copper	0.002
mg/L	1.0	Iron	0.18
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.006
mg/L		Magnesium	34.8
mg/L	2.0	Manganese	0.019
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	0.0016
mg/L	0.5	Nickel	0.003
mg/L		Phosphorus	0.2
mg/L		Potassium	1.1
mg/L	0.05	Selenium	0.002
mg/L		Silicon	8.4
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	2.28
mg/L		Strontium	0.35
mg/L		Sulphur	62.3
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	0.001
mg/L		Uranium	0.0029
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	0.011

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations

Units	Water License Discharge Standards[1]	File Reference	406290360	408100357	410020077	411010230
		Station	BC-39	BC-39	BC-39	BC-39
		Date	24-Jun-04	4-Aug-04	27-Sep-04	24-Oct-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.41	7.87	8.25	8.07
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	267	377	393	520
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	155	155	213	271
mg $CaCO_3$/L		Alkalinity	103	97.3	110	145
mg/L		Total Dissolved Solids	240	285	257	350
mg/L	50	Total Suspended Solids	7	8	<3.0	<3.0
mg/L		Chloride	0.71	1.4	0.86	1.05
mg/L		Sulfate	87.3	81	88.9	125
mg /L	5.0	Ammonia	< 0.005	< 0.005	0.0173	<0.0050
mg /L		Nitrate	3.3	5.5	1.93	1.85
mg/L	2.0	Total Cyanide	< 0.002	0.006	<0.025	0.044
mg/L	0.25	WAD Cyanide	< 0.002	0.003	<0.025	<0.025
	Total Metals					
mg/L	1.0	Aluminum	0.100	0.320	0.084	0.025
mg/L	1.0	Antimony	0.002	0.0029	0.002	0.003
mg/L	0.5	Arsenic	0.003	0.0042	0.003	0.003
mg/L		Barium	0.072	0.093	0.062	0.086
mg/L		Berylium	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.01	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.00004	< 0.0002	< 0.0002
mg/L		Calcium	42.9	45.8	46.6	66.8
mg/L	0.5	Chromium	< 0.001	0.0008	< 0.001	< 0.001
mg/L		Cobalt	0.009	0.013	0.004	0.005
mg/L	0.2	Copper	0.001	0.0031	0.002	0.002
mg/L	1.0	Iron	0.19	0.69	0.13	0.14
mg/L	0.2	Lead	< 0.001	0.0004	< 0.001	< 0.001
mg/L		Lithium	0.006	0.0078	0.009	0.011
mg/L		Magnesium	16.1	16.2	18.6	27.7
mg/L	2.0	Manganese	0.013	0.035	0.005	0.005
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0016	0.002	0.0022	0.0026
mg/L	0.5	Nickel	0.001	0.0023	0.001	0.002
mg/L		Phosphorus	< 0.15	0.13	< 0.15	< 0.15
mg/L		Potassium	0.9	1.01	1.1	1.3
mg/L	0.0038	Selenium	0.002	0.0027	0.002	0.002
mg/L		Silicon	7.9	12.3	10.8	15.9
mg/L	0.1	Silver	< 0.00025	0.0004	< 0.00025	< 0.00025
mg/L		Sodium	6.27	8.62	5.02	6.82
mg/L		Strontium	0.23	0.218	0.23	0.32
mg/L		Sulphur	26.9	23.6	32.1	
mg/L		Thallium	< 0.0001	< 0.00002	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.0002	< 0.001	0.002
mg/L		Titanium	0.003	0.0089	0.002	0.001
mg/L		Uranium	0.0014	0.0012	0.0013	0.002
mg/L		Vanadium	< 0.001	0.002	< 0.001	< 0.001
mg/L	0.5	Zinc	< 0.005	0.006	0.005	< 0.005

Viceroy Minerals Corporation

Appendix B5.2

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

Units	Water License Discharge Standards[1]	File Reference	404050087	406080497	410020070
		Station	BC-32	BC-32	BC-32
		Date	29-Mar-04	3-Jun-04	23-Sep-04
m/sec		Water Level or Flow			
pH units		pH (field)			
pH units	6.0 - 9.5	pH (lab)	7.55	7.88	8.32
uS/cm		Conductivity (field)			
uS/cm		Conductivity (lab)	690	255	558
°C		Temperature (field)			
mg $CaCO_3$/L		Hardness	379	142	326
mg $CaCO_3$/L		Alkalinity	232	119	187
mg/L		Total Dissolved Solids	495	223	344
mg/L	50	Total Suspended Solids	<1	20	<3.0
mg/L		Chloride	0.6	0.4	<0.50
mg/L		Sulfate	181	51.2	125
mg /L	5.0	Ammonia	0.037	0.021	0.0167
mg /L		Nitrate	0.13	0.35	0.0801
mg/L	2.0	Total Cyanide	-		
mg/L	0.25	WAD Cyanide	-		
	Total Metals				
mg/L	1.0	Aluminum	0.006	0.28	0.042
mg/L	1.0	Antimony	0.005	0.01	0.01
mg/L	0.5	Arsenic	0.0034	0.007	0.004
mg/L		Barium	0.071	0.12	0.089
mg/L		Berylium	<0.0002	<0.001	<0.001
mg/L	0.5	Bismuth	<0.0002	<0.001	<0.001
mg/L		Boron	<0.01	<0.05	<0.05
mg/L	0.1	Cadmium	0.00022	0.0003	<0.0002
mg/L		Calcium	105	45	91
mg/L	0.5	Chromium	<0.0002	<0.001	<0.001
mg/L		Cobalt	0.0009	<0.001	<0.001
mg/L	0.2	Copper	0.0005	0.003	0.001
mg/L	1.0	Iron	0.23	0.87	0.21
mg/L	0.2	Lead	<0.0002	<0.001	<0.001
mg/L		Lithium	0.0094	0.005	0.01
mg/L		Magnesium	39.4	17.2	38.4
mg/L	2.0	Manganese	0.177	0.085	0.13
mg/L	0.005	Mercury	<0.00002	0.00025	<0.00002
mg/L	0.5	Molybdenum	0.0018	0.0016	0.0027
mg/L	0.5	Nickel	0.0069	0.006	0.004
mg/L		Phosphorus	0.06	0.2	<0.15
mg/L		Potassium	2.11	1.3	2.4
mg/L	0.05	Selenium	<0.0002	0.002	0.002
mg/L		Silicon	7.06	7.1	9.5
mg/L	0.1	Silver	<0.00005	<0.00025	<0.00025
mg/L		Sodium	1.6	1.41	2.04
mg/L		Strontium	0.445	0.23	0.48
mg/L		Sulphur	62.1	16.1	64.5
mg/L		Thallium	<0.00002	<0.0001	<0.0001
mg/L		Tin	<0.0002	<0.001	0.002
mg/L		Titanium	0.0004	0.007	0.001
mg/L		Uranium	0.0013	0.0014	0.0024
mg/L		Vanadium	<0.0002	0.002	<0.001
mg/L	0.5	Zinc	0.016	0.014	0.013

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

Units	Water License Discharge Standards	File Reference	410020071
		Station	BC-33
		Date	22-Sep-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	8.33
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	516
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	298
mg $CaCO_3$/L		Alkalinity	146
mg/L		Total Dissolved Solids	331
mg/L	50	Total Suspended Solids	<3.0
mg/L		Chloride	<0.50
mg/L		Sulfate	134
mg /L	5.0	Ammonia	<0.0050
mg /L		Nitrate	<0.0050
mg/L	2.0	Total Cyanide	
mg/L	0.25	WAD Cyanide	
Total Metals			
mg/L	1.0	Aluminum	0.052
mg/L	1.0	Antimony	< 0.001
mg/L	0.5	Arsenic	< 0.001
mg/L		Barium	0.055
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	< 0.0002
mg/L		Calcium	73.9
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	< 0.001
mg/L	0.2	Copper	0.002
mg/L	1.0	Iron	< 0.05
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.003
mg/L		Magnesium	29.5
mg/L	2.0	Manganese	0.008
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	0.0014
mg/L	0.5	Nickel	0.002
mg/L		Phosphorus	< 0.15
mg/L		Potassium	0.9
mg/L	0.05	Selenium	0.003
mg/L		Silicon	6.7
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	1.72
mg/L		Strontium	0.3
mg/L		Sulphur	61.1
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	0.002
mg/L		Uranium	0.0018
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	0.008

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

Units	Water License Discharge Standards*	File Reference	406010343	410020072
		Station	BC-34	BC-34
		Date	26-May-04	27-Sep-04
m/sec		Water Level or Flow		
pH units		pH (field)		
pH units	6.0 - 9.5	pH (lab)	7.43	8.33
uS/cm		Conductivity (field)		
uS/cm		Conductivity (lab)	177	497
°C		Temperature (field)		
mg $CaCO_3$/L		Hardness	84	297
mg $CaCO_3$/L		Alkalinity	63.1	142
mg/L		Total Dissolved Solids	163	305
mg/L	50	Total Suspended Solids	75	<3.0
mg/L		Chloride	0.4	<0.50
mg/L		Sulfate	35	130
mg /L	5.0	Ammonia	< 0.005	<0.0050
mg /L		Nitrate	0.12	0.0142
mg/L	2.0	Total Cyanide	< 0.002	<0.025
mg/L	0.25	WAD Cyanide	< 0.002	<0.025
Total Metals				
mg/L	1.0	Aluminum	2.290	0.230
mg/L	1.0	Antimony	< 0.001	< 0.001
mg/L	0.5	Arsenic	0.001	< 0.001
mg/L		Barium	0.14	0.05
mg/L		Berylium	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.0005	< 0.0002
mg/L		Calcium	24.9	74.6
mg/L	0.5	Chromium	0.005	< 0.001
mg/L		Cobalt	0.002	< 0.001
mg/L	0.2	Copper	0.019	0.005
mg/L	1.0	Iron	3.32	< 0.05
mg/L	0.2	Lead	0.002	0.002
mg/L		Lithium	0.003	0.003
mg/L		Magnesium	9.47	30.3
mg/L	2.0	Manganese	0.11	0.009
mg/L	0.005	Mercury	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0011	0.0016
mg/L	0.5	Nickel	0.011	0.004
mg/L		Phosphorus	0.7	< 0.15
mg/L		Potassium	1.2	0.9
mg/L	0.05	Selenium	< 0.001	0.002
mg/L		Silicon	13.6	7.4
mg/L	0.1	Silver	0.0061	< 0.00025
mg/L		Sodium	1.05	1.79
mg/L		Strontium	0.1	0.3
mg/L		Sulphur	11.4	59.8
mg/L		Thallium	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001
mg/L		Titanium	0.066	0.001
mg/L		Uranium	0.0007	0.0018
mg/L		Vanadium	0.019	< 0.001
mg/L	0.5	Zinc	0.053	0.036

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

Units	Water License Discharge Standards[4]	File Reference	410020073
		Station	BC-35
		Date	22-Sep-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	8.36
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	666
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	412
mg $CaCO_3$/L		Alkalinity	192
mg/L		Total Dissolved Solids	508
mg/L	50	Total Suspended Solids	<3.0
mg/L		Chloride	<0.50
mg/L		Sulfate	190
mg /L	5.0	Ammonia	<0.0050
mg /L		Nitrate	0.0299
mg/L	2.0	Total Cyanide	
mg/L	0.25	WAD Cyanide	
Total Metals			
mg/L	1.0	Aluminum	0.038
mg/L	1.0	Antimony	0.001
mg/L	0.5	Arsenic	0.001
mg/L		Barium	0.08
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	< 0.0002
mg/L		Calcium	93.4
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	< 0.001
mg/L	0.2	Copper	0.001
mg/L	1.0	Iron	0.16
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.008
mg/L		Magnesium	46.2
mg/L	2.0	Manganese	0.049
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	0.002
mg/L	0.5	Nickel	0.006
mg/L		Phosphorus	< 0.15
mg/L		Potassium	1.2
mg/L	0.05	Selenium	0.002
mg/L		Silicon	8.5
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	2.87
mg/L		Strontium	0.42
mg/L		Sulphur	85.4
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	0.002
mg/L		Uranium	0.0038
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	0.031

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

Units	Water License Discharge Standards[1]	File Reference	410020074
		Station	BC-36
		Date	22-Sep-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	8.38
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	590
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	362
mg $CaCO_3$/L		Alkalinity	195
mg/L		Total Dissolved Solids	395
mg/L	50	Total Suspended Solids	<3.0
mg/L		Chloride	<0.50
mg/L		Sulfate	142
mg /L	5.0	Ammonia	<0.0050
mg /L		Nitrate	0.0876
mg/L	2.0	Total Cyanide	
mg/L	0.25	WAD Cyanide	
Total Metals			
mg/L	1.0	Aluminum	0.014
mg/L	1.0	Antimony	< 0.001
mg/L	0.5	Arsenic	< 0.001
mg/L		Barium	0.057
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	< 0.0002
mg/L		Calcium	77.4
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	< 0.001
mg/L	0.2	Copper	< 0.001
mg/L	1.0	Iron	< 0.05
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.006
mg/L		Magnesium	34.3
mg/L	2.0	Manganese	0.013
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	0.0016
mg/L	0.5	Nickel	0.002
mg/L		Phosphorus	< 0.15
mg/L		Potassium	0.8
mg/L	0.05	Selenium	0.002
mg/L		Silicon	7.7
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	2.65
mg/L		Strontium	0.39
mg/L		Sulphur	60.3
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	< 0.001
mg/L		Uranium	0.0036
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	0.008

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

	Water License Discharge Standards*	File Reference	410020075
		Station	BC-37
Units		Date	22-Sep-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	8.25
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	368
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	129
mg $CaCO_3$/L		Alkalinity	98.6
mg/L		Total Dissolved Solids	237
mg/L	50	Total Suspended Solids	34.5
mg/L		Chloride	0.91
mg/L		Sulfate	82.1
mg /L	5.0	Ammonia	0.012
mg /L		Nitrate	2.2
mg/L	2.0	Total Cyanide	<0.025
mg/L	0.25	WAD Cyanide	<0.025
	Total Metals		
mg/L	1.0	Aluminum	0.57
mg/L	1.0	Antimony	0.002
mg/L	0.5	Arsenic	0.005
mg/L		Barium	0.077
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	< 0.0002
mg/L		Calcium	43.3
mg/L	0.5	Chromium	0.001
mg/L		Cobalt	0.005
mg/L	0.2	Copper	0.003
mg/L	1.0	Iron	1
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.008
mg/L		Magnesium	17.8
mg/L	2.0	Manganese	0.057
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	0.002
mg/L	0.5	Nickel	0.003
mg/L		Phosphorus	0.2
mg/L		Potassium	1
mg/L	0.05	Selenium	0.002
mg/L		Silicon	12.9
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	5.22
mg/L		Strontium	0.21
mg/L		Sulphur	32.2
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	0.018
mg/L		Uranium	0.0013
mg/L		Vanadium	0.002
mg/L	0.5	Zinc	0.007

Viceroy Minerals Corporation

Appendix B5.2

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

Units	Water License Discharge Standards[1]	File Reference	404050094	406290359	410020076	412180048
		Station	BC-38	BC-38	BC-38	BC-38
		Date	30-Mar-04	24-Jun-04	22-Sep-04	15-Dec-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.57	7.44	8.23	7.89
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	314	178	286	330
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	166	86	155	176
mg $CaCO_3$/L		Alkalinity	103	71.3	88.9	92.5
mg/L		Total Dissolved Solids	224	116	169	191
mg/L	50	Total Suspended Solids	<1	64	<3.0	4.5
mg/L		Chloride	0.3	<0.2	<0.50	<0.50
mg/L		Sulfate	77.5	44.7	59.8	71.6
mg /L	5.0	Ammonia	<0.005	<0.005	<0.0050	<0.0050
mg /L		Nitrate	0.27	0.039	0.0595	0.204
mg/L	2.0	Total Cyanide	<0.002	<0.002	<0.025	<0.0050
mg/L	0.25	WAD Cyanide	<0.002	<0.002	<0.025	<0.0050
		Total Metals				
mg/L	1.0	Aluminum	0.007	0.027	0.013	0.017
mg/L	1.0	Antimony	<0.0002	<0.001	<0.001	<0.001
mg/L	0.5	Arsenic	0.0004	<0.001	<0.001	<0.001
mg/L		Barium	0.063	0.04	0.052	0.064
mg/L		Beryllium	<0.0002	<0.001	<0.001	<0.001
mg/L	0.5	Bismuth	<0.0002	<0.001	<0.001	<0.001
mg/L		Boron	<0.01	<0.05	<0.05	<0.05
mg/L	0.1	Cadmium	<0.00004	<0.0002	<0.0002	<0.0002
mg/L		Calcium	43.7	25.7	35.5	44.4
mg/L	0.5	Chromium	<0.0002	<0.001	<0.001	<0.001
mg/L		Cobalt	<0.0002	<0.001	<0.001	<0.001
mg/L	0.2	Copper	0.0005	<0.001	<0.001	<0.001
mg/L	1.0	Iron	<0.01	<0.05	<0.05	0.2
mg/L	0.2	Lead	<0.0002	<0.001	<0.001	<0.001
mg/L		Lithium	0.0021	0.001	0.002	0.002
mg/L		Magnesium	12.8	7.23	11.2	13.8
mg/L	2.0	Manganese	0.0042	0.007	0.006	0.005
mg/L	0.005	Mercury	<0.00002	<0.00002	<0.00002	<0.00002
mg/L	0.5	Molybdenum	0.0004	<0.0005	0.0005	0.0005
mg/L	0.5	Nickel	0.0006	<0.001	<0.001	<0.001
mg/L		Phosphorus	0.04	<0.15	<0.15	<0.15
mg/L		Potassium	0.44	0.4	0.5	0.5
mg/L	0.05	Selenium	<0.0002	<0.001	0.001	<0.001
mg/L		Silicon	5.99	5.4	5.2	6.7
mg/L	0.1	Silver	<0.00005	<0.00025	<0.00025	<0.00025
mg/L		Sodium	2.15	1.67	2.08	2.23
mg/L		Strontium	0.256	0.16	0.22	0.24
mg/L		Sulphur	29.6	12.9	21.5	2.48
mg/L		Thallium	<0.00002	<0.0001	<0.0001	<0.0001
mg/L		Tin	<0.0002	<0.001	<0.001	<0.001
mg/L		Titanium	0.0005	<0.001	<0.001	<0.001
mg/L		Uranium	0.0008	<0.0005	0.0007	0.0011
mg/L		Vanadium	<0.0002	<0.001	<0.001	<0.001
mg/L	0.5	Zinc	0.002	<0.005	<0.005	<0.005

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Surface Stations (Voluntary)

Units	Water License Discharge Standards[1]	File Reference	406290344
		Station	BC-45
		Date	21-Jun-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	8.12
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	536
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	282
mg $CaCO_3$/L		Alkalinity	253
mg/L		Total Dissolved Solids	397
mg/L	50	Total Suspended Solids	6
mg/L		Chloride	0.98
mg/L		Sulfate	114
mg /L	5.0	Ammonia	0.076
mg /L		Nitrate	0.193
mg/L	2.0	Total Cyanide	-
mg/L	0.25	WAD Cyanide	-
Total Metals			
mg/L	1.0	Aluminum	0.1
mg/L	1.0	Antimony	0.006
mg/L	0.5	Arsenic	0.004
mg/L		Barium	0.11
mg/L		Beryllium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	< 0.0002
mg/L		Calcium	73.5
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	< 0.001
mg/L	0.2	Copper	0.001
mg/L	1.0	Iron	0.26
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.004
mg/L		Magnesium	32.7
mg/L	2.0	Manganese	0.062
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	0.004
mg/L	0.5	Nickel	0.003
mg/L		Phosphorus	< 0.15
mg/L		Potassium	1.2
mg/L	0.05	Selenium	0.002
mg/L		Silicon	6.6
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	1.11
mg/L		Strontium	0.38
mg/L		Sulphur	31.3
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	0.003
mg/L		Uranium	0.0039
mg/L		Vanadium	0.002
mg/L	0.5	Zinc	0.008

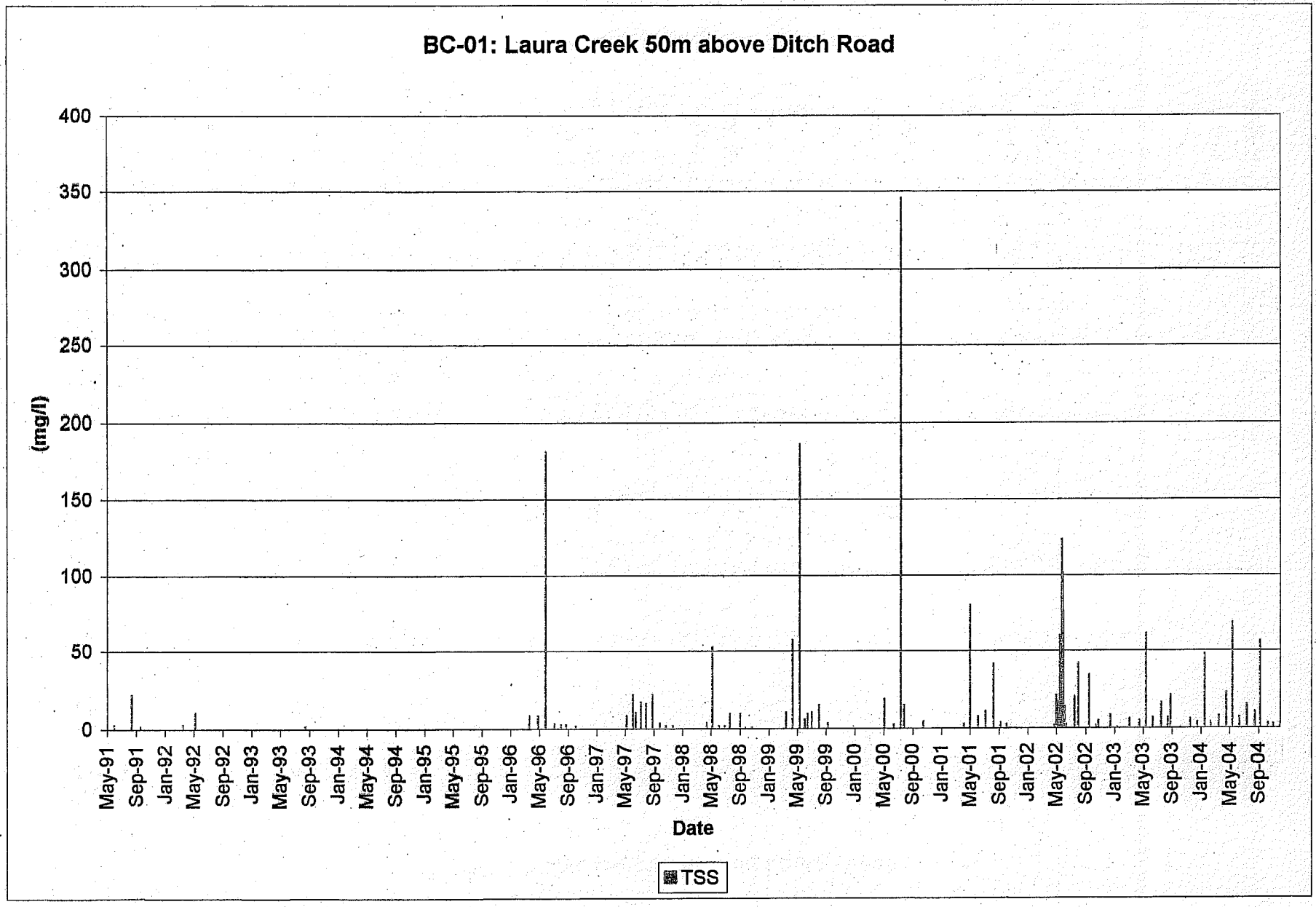
Viceroy Minerals Corporation

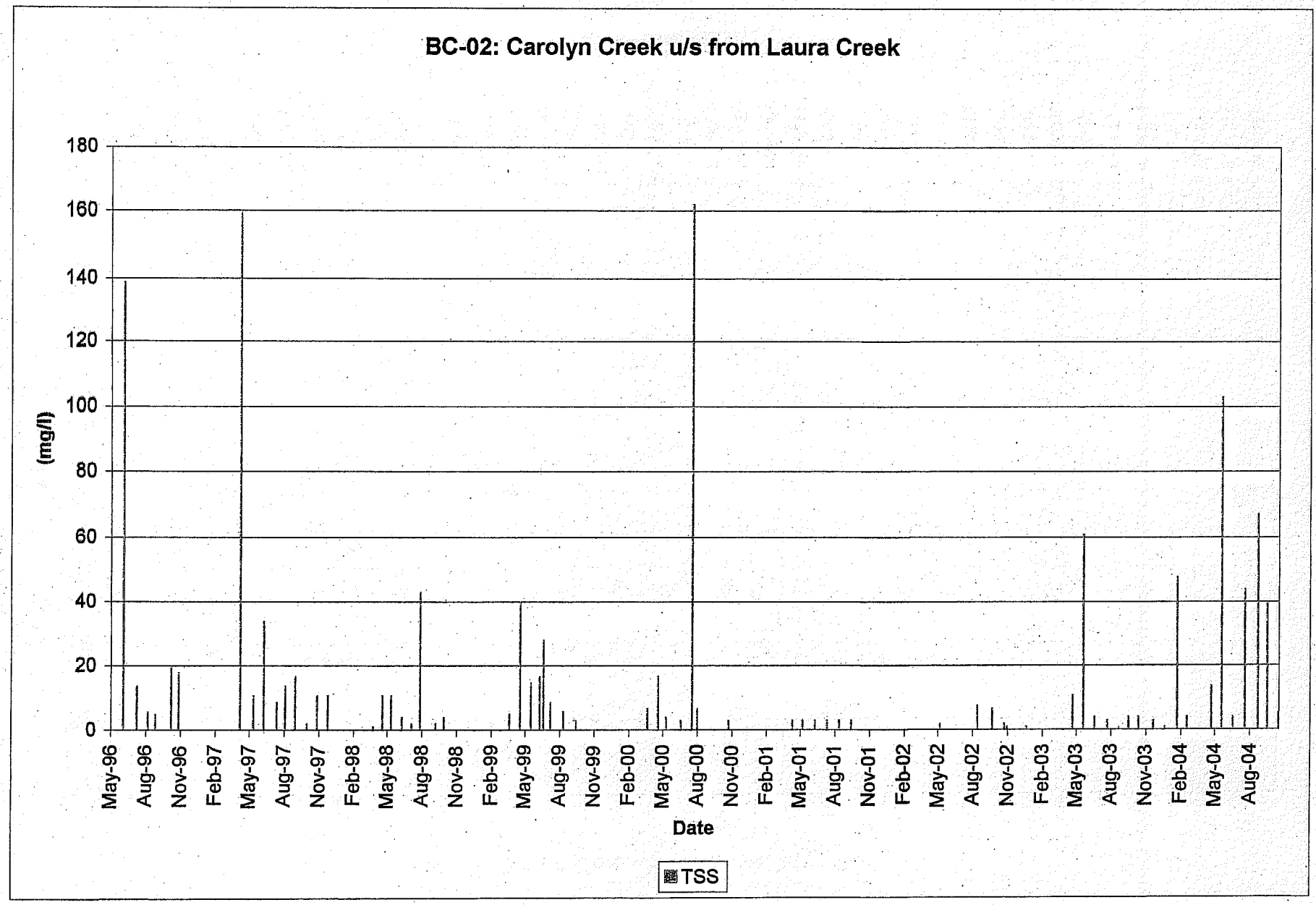
Brewery Creek Mine

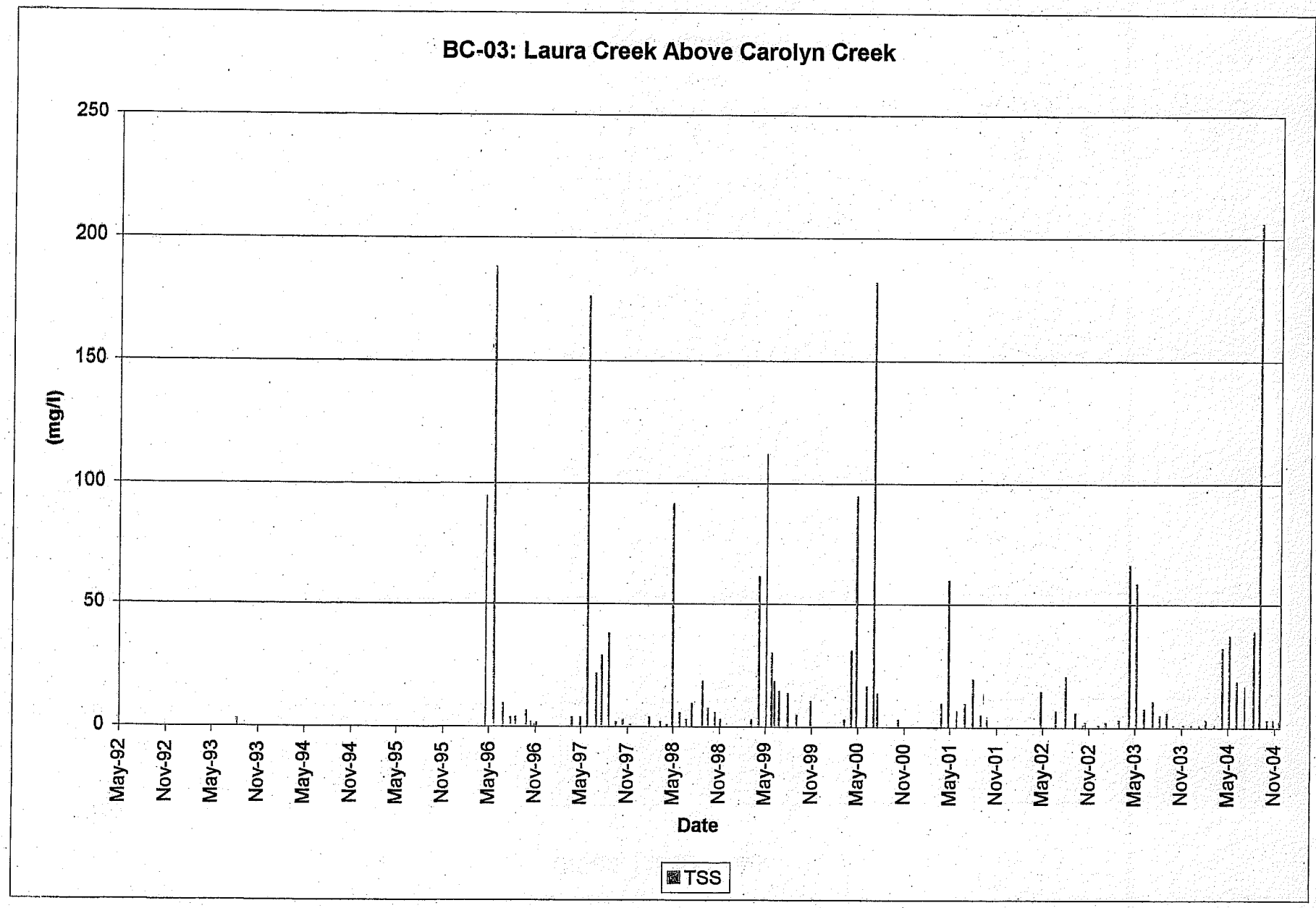
Monitoring Pursuant to Water License QZ96-007

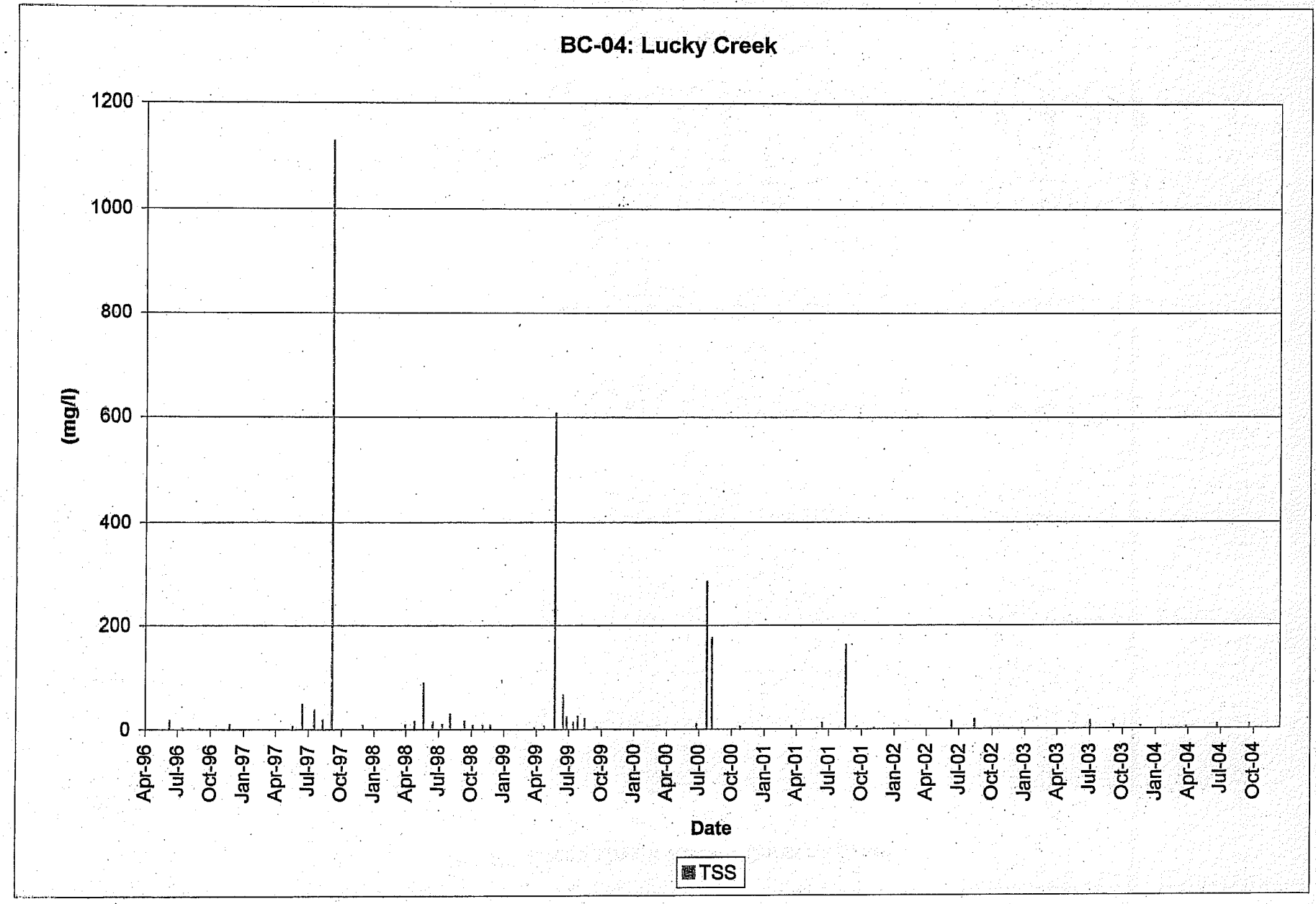
Surface Stations (Voluntary)

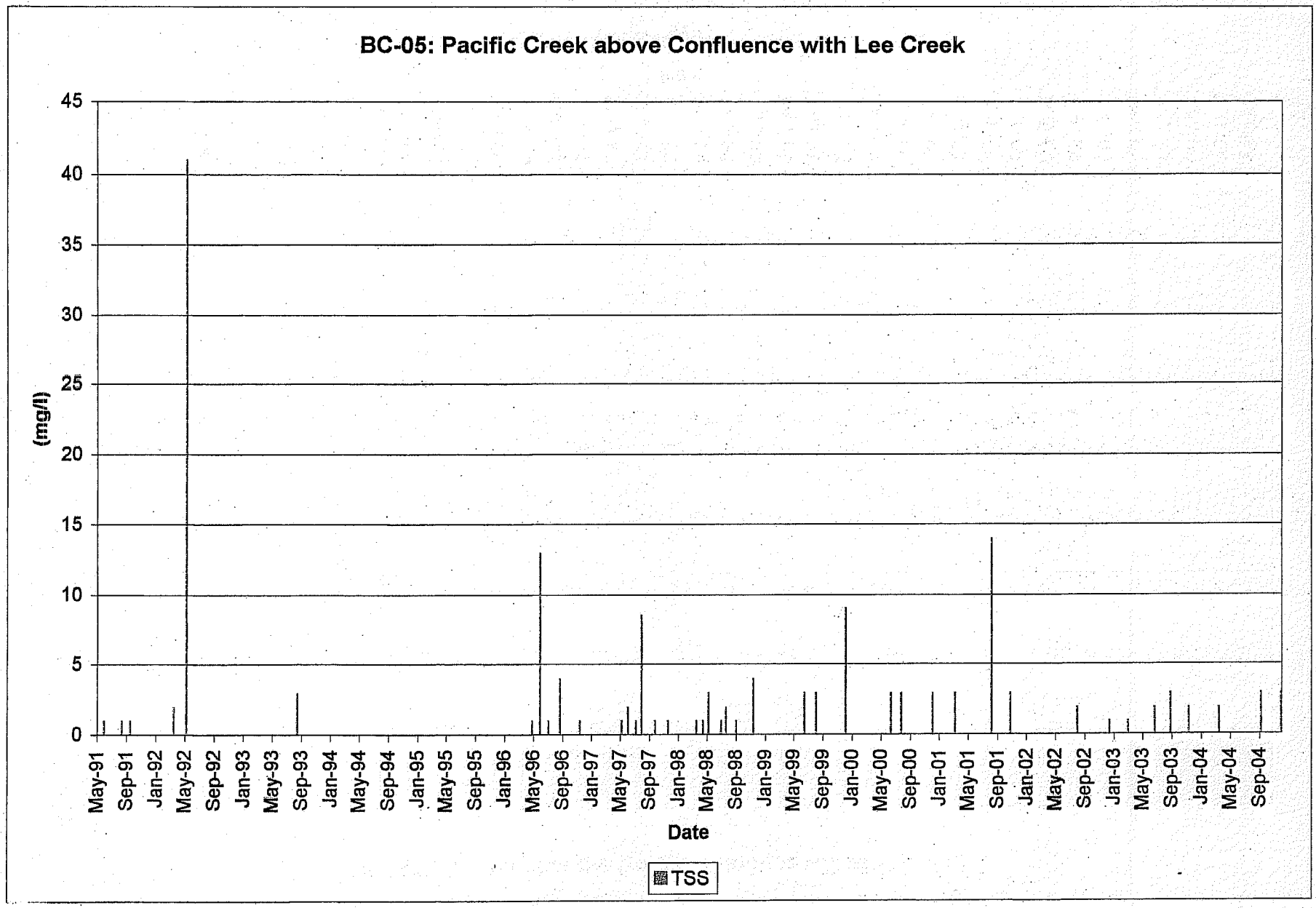
Units	Water License Discharge Standards*	File Reference	405060289	406010345	412180050	410020079
		Station	BC-53	BC-53	BC-53	BC-53
		Date	30-Apr-04	26-May-04	14-Dec-04	24-Sep-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.21	7.45	8.15	8.02
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	124	180	567	370
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	60	74	327	188
mg $CaCO_3$/L		Alkalinity	35.2	55	168	98.3
mg/L		Total Dissolved Solids	149	142	379	262
mg/L	50	Total Suspended Solids	74	54	4	30.5
mg/L		Chloride	0.6	0.6	0.87	0.94
mg/L		Sulfate	24.7	32.7	151	85.3
mg /L	5.0	Ammonia	0.016	<0.005	<0.0050	0.073
mg /L		Nitrate	0.15	2.8	0.27	2.25
mg/L	2.0	Total Cyanide	<0.002	0.005	<0.0050	<0.025
mg/L	0.25	WAD Cyanide	<0.002	0.003	<0.0050	<0.025
	Total Metals					
mg/L	1.0	Aluminum	1.54	1.79	0.083	0.54
mg/L	1.0	Antimony	0.008	0.002	0.003	0.002
mg/L	0.5	Arsenic	0.016	0.006	0.008	0.005
mg/L		Barium	0.11	0.1	0.083	0.081
mg/L		Beryllium	<0.001	<0.001	<0.001	<0.001
mg/L	0.5	Bismuth	<0.001	<0.001	<0.001	<0.001
mg/L		Boron	<0.05	0.06	<0.05	<0.05
mg/L	0.1	Cadmium	<0.0002	<0.0002	<0.0002	<0.0002
mg/L		Calcium	18.9	22.3	86.7	45.5
mg/L	0.5	Chromium	0.003	0.003	<0.001	0.001
mg/L		Cobalt	0.002	0.009	<0.001	0.005
mg/L	0.2	Copper	0.006	0.008	<0.001	0.004
mg/L	1.0	Iron	2.05	2.13	0.52	0.98
mg/L	0.2	Lead	0.002	0.001	<0.001	<0.001
mg/L		Lithium	0.003	0.004	0.015	0.008
mg/L		Magnesium	7.49	8.04	35.4	18.5
mg/L	2.0	Manganese	0.092	0.078	0.023	0.056
mg/L	0.005	Mercury	0.00006	<0.00002	<0.00002	<0.00002
mg/L	0.5	Molybdenum	0.0006	0.001	0.0041	0.0022
mg/L	0.5	Nickel	0.006	0.005	<0.001	0.003
mg/L		Phosphorus	0.4	0.3	<0.15	<0.15
mg/L		Potassium	2.1	1	1.7	1.1
mg/L	0.05	Selenium	<0.001	0.001	<0.001	0.002
mg/L		Silicon	9.5	13.2	17.4	12.8
mg/L	0.1	Silver	<0.00025	0.0042	<0.00025	<0.00025
mg/L		Sodium	1.76	4.42	5.69	5.36
mg/L		Strontium	0.081	0.12	0.43	0.22
mg/L		Sulphur	8.11	10.1	5.3	31.5
mg/L		Thallium	<0.0001	<0.0001	<0.0001	<0.0001
mg/L		Tin	<0.001	<0.001	<0.001	<0.001
mg/L		Titanium	0.042	0.056	0.004	0.018
mg/L		Uranium	<0.0005	0.0007	0.0036	0.0014
mg/L		Vanadium	0.006	0.007	0.002	0.003
mg/L	0.5	Zinc	0.021	0.016	0.005	0.007

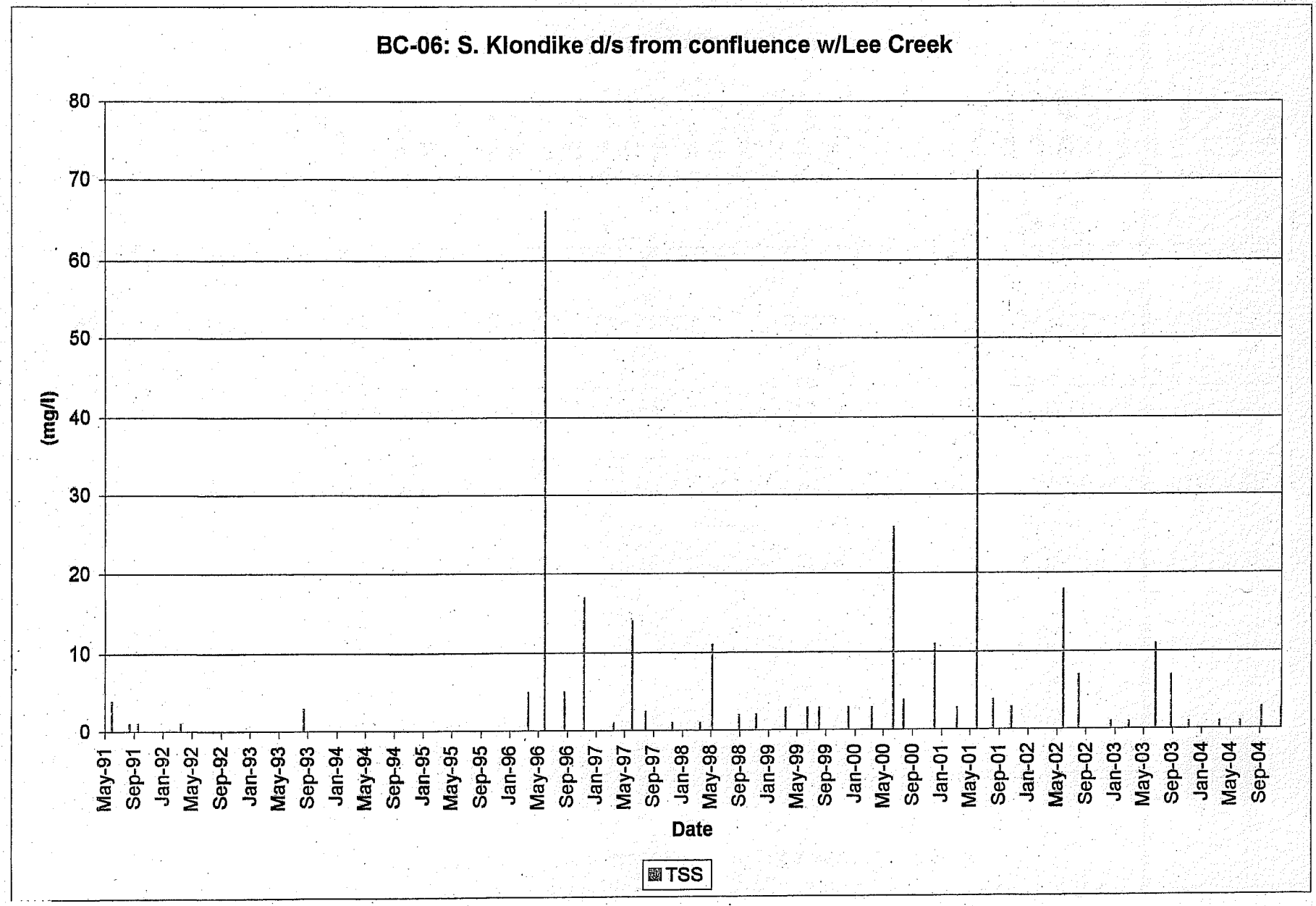

BC-01: Laura Creek 50m above Ditch Road
400
350
300
250
200
150
100
50
0
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
TSS

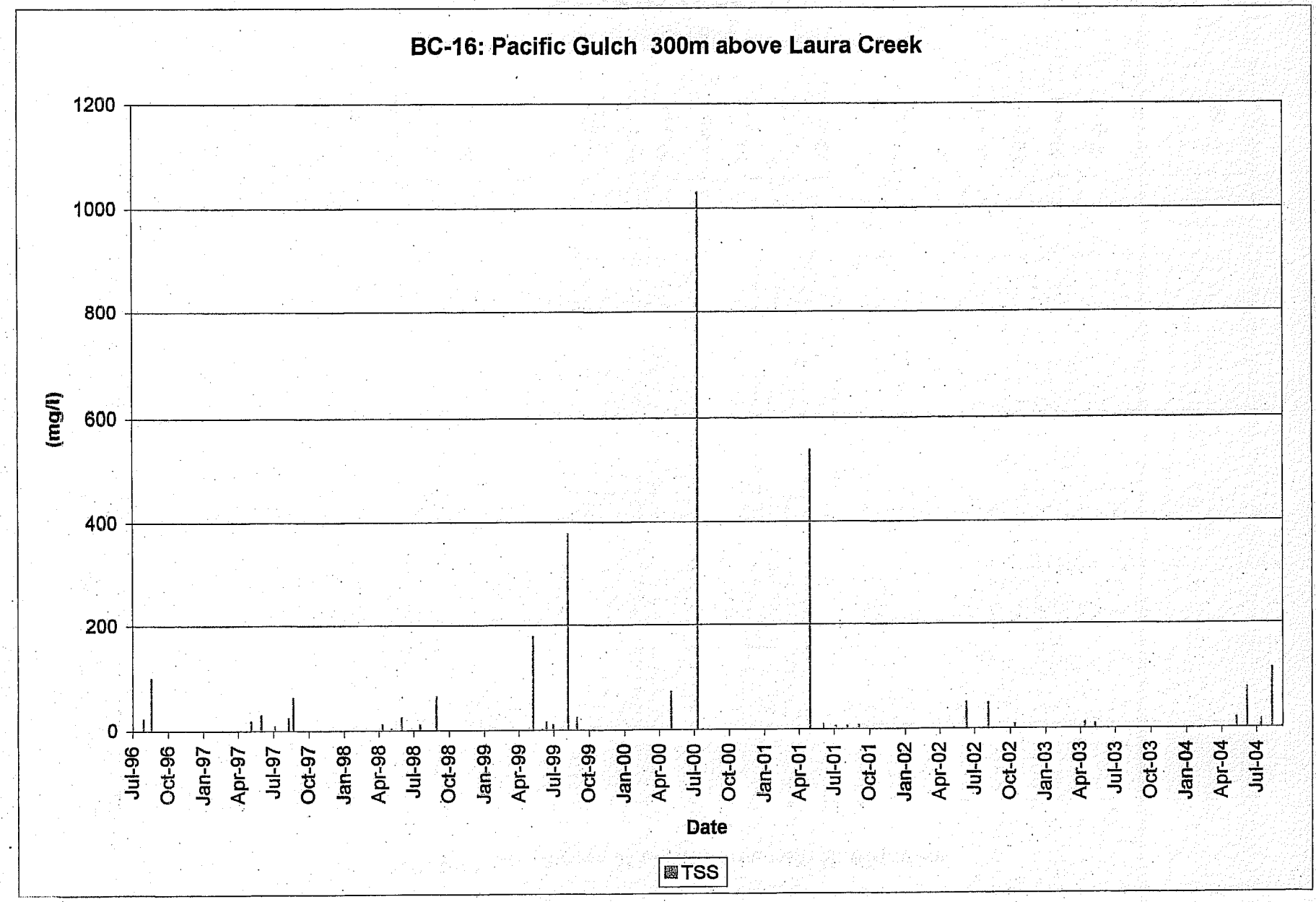

BC-02: Carolyn Creek u/s from Laura Creek
180
160
140
120
100
80
60
40
20
0
(mg/l)
May-96
Aug-96
Nov-96
Feb-97
May-97
Aug-97
Nov-97
Feb-98
May-98
Aug-98
Nov-98
Feb-99
May-99
Aug-99
Nov-99
Feb-00
May-00
Aug-00
Nov-00
Feb-01
May-01
Aug-01
Nov-01
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Aug-03
Nov-03
Feb-04
May-04
Aug-04
Date
TSS

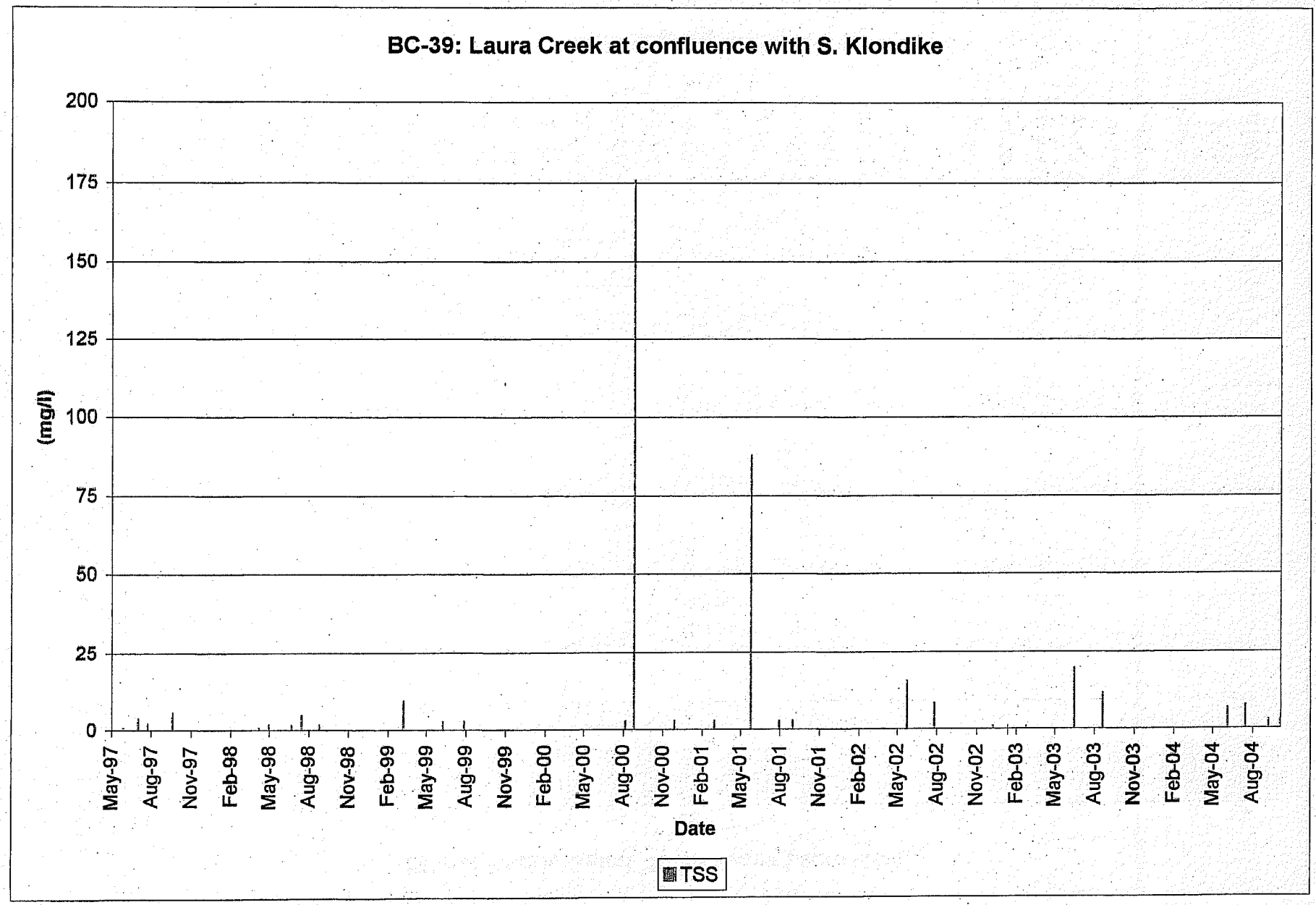

BC-03: Laura Creek Above Carolyn Creek
250
200
150
100
50
0
(mg/l)
May-92
Nov-92
May-93
Nov-93
May-94
Nov-94
May-95
Nov-95
May-96
Nov-96
May-97
Nov-97
May-98
Nov-98
May-99
Nov-99
May-00
Nov-00
May-01
Nov-01
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
Date
TSS

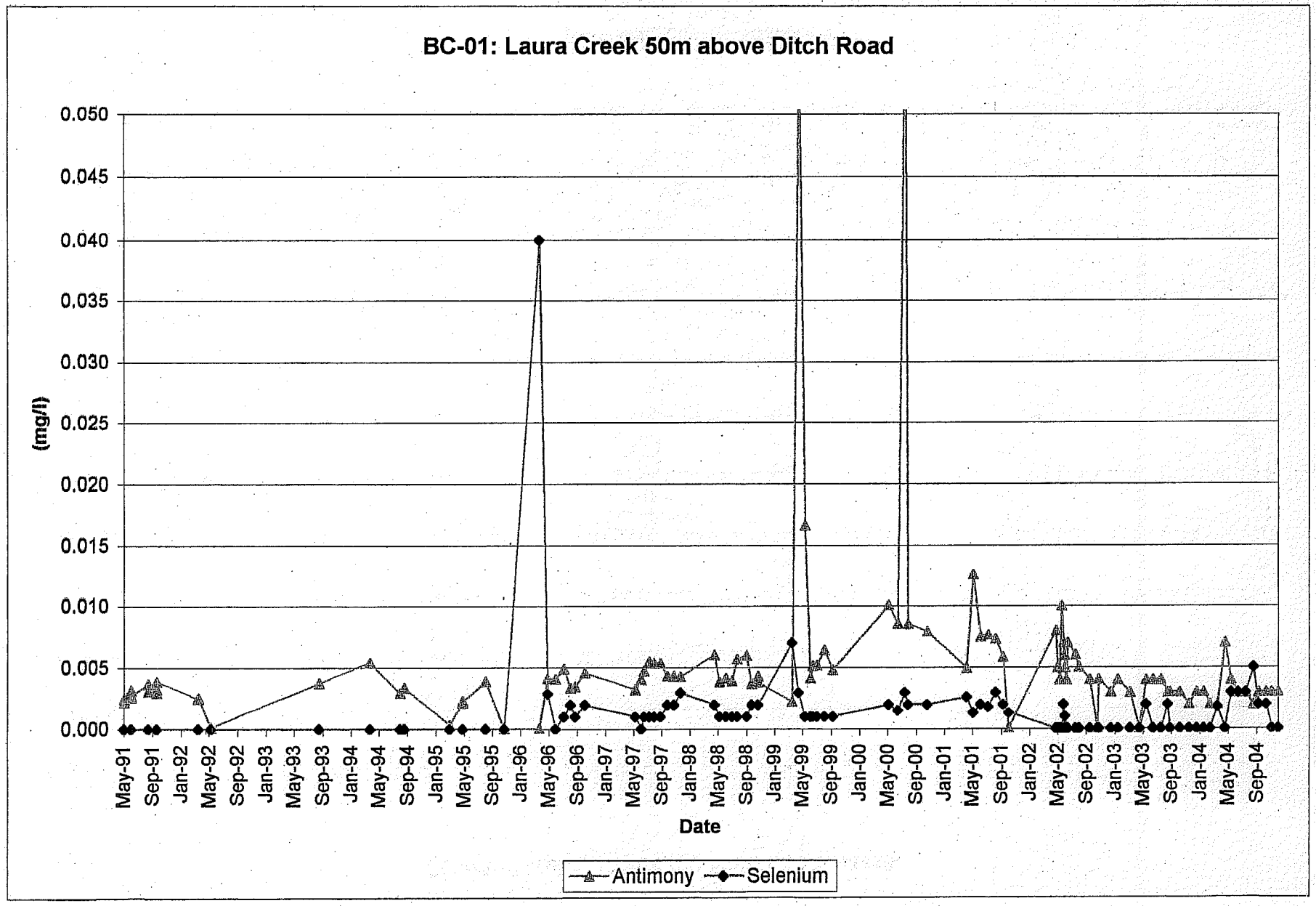

BC-04: Lucky Creek
1200
1000
800
600
400
200
0
(mg/l)
Apr-96
Jul-96
Oct-96
Jan-97
Apr-97
Jul-97
Oct-97
Jan-98
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Date
TSS

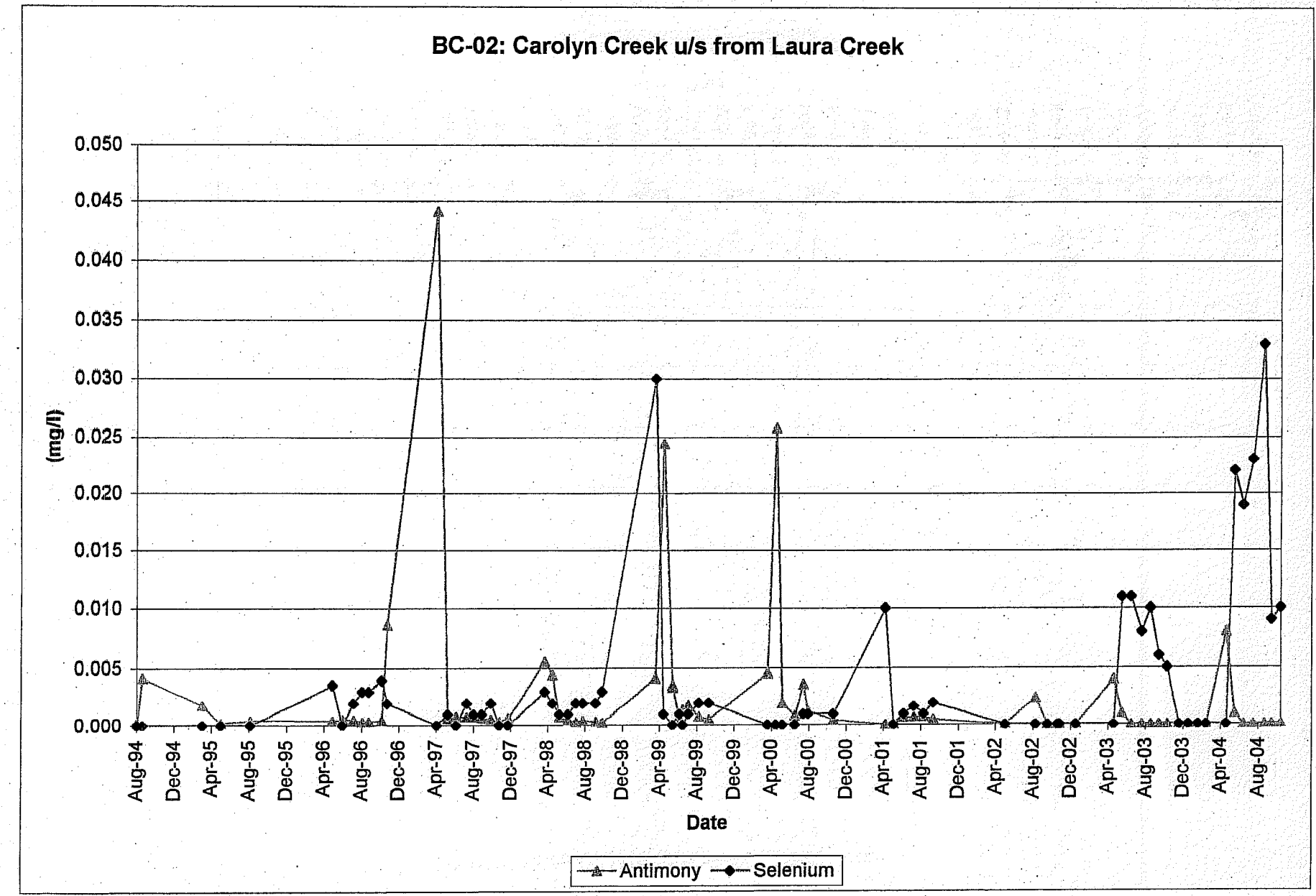

BC-05: Pacific Creek above Confluence with Lee Creek
45
40
35
30
25
20
15
10
5
0
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
TSS

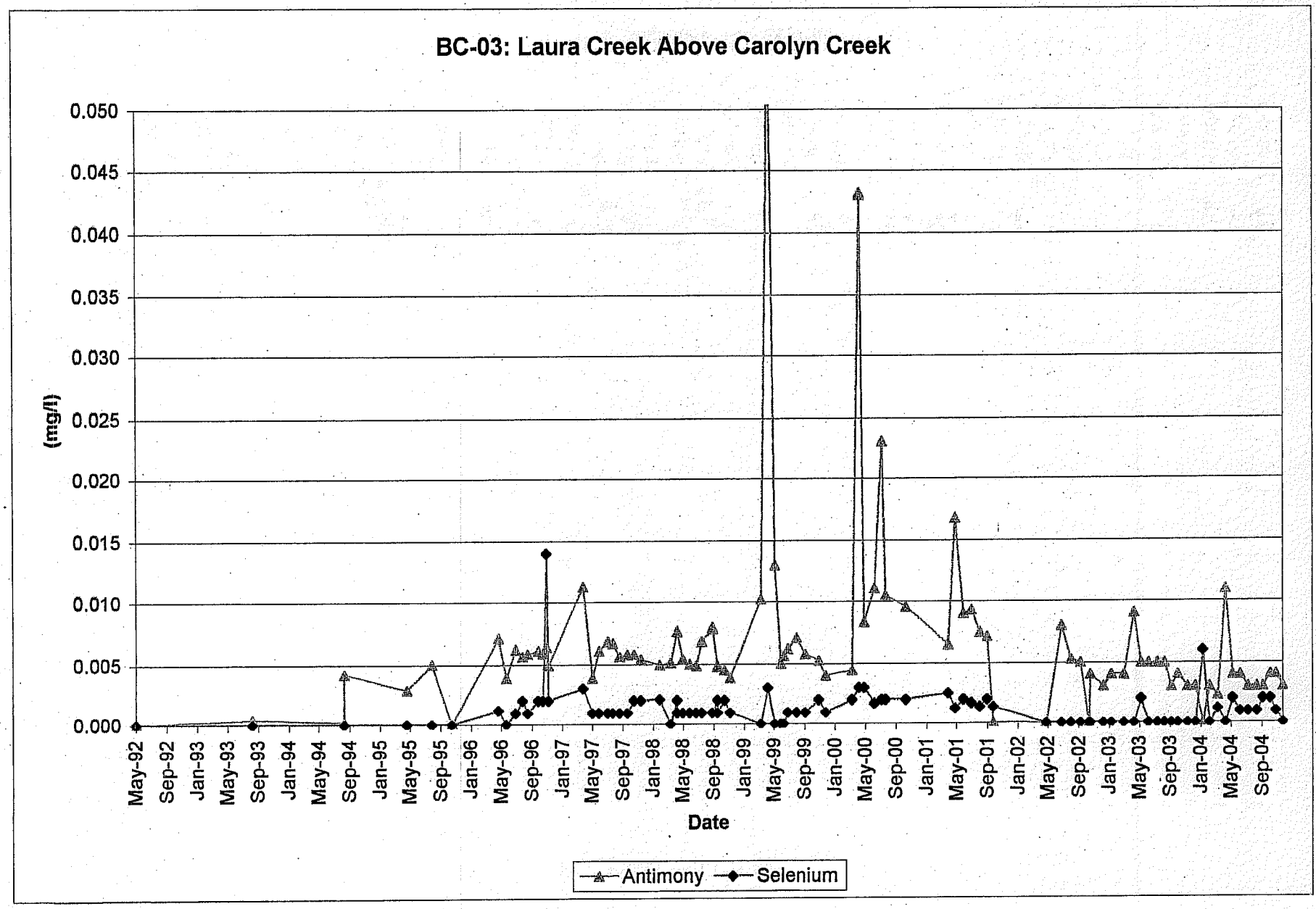

BC-06: S. Klondike d/s from confluence w/Lee Creek
80
70
60
50
40
30
20
10
0
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
TSS

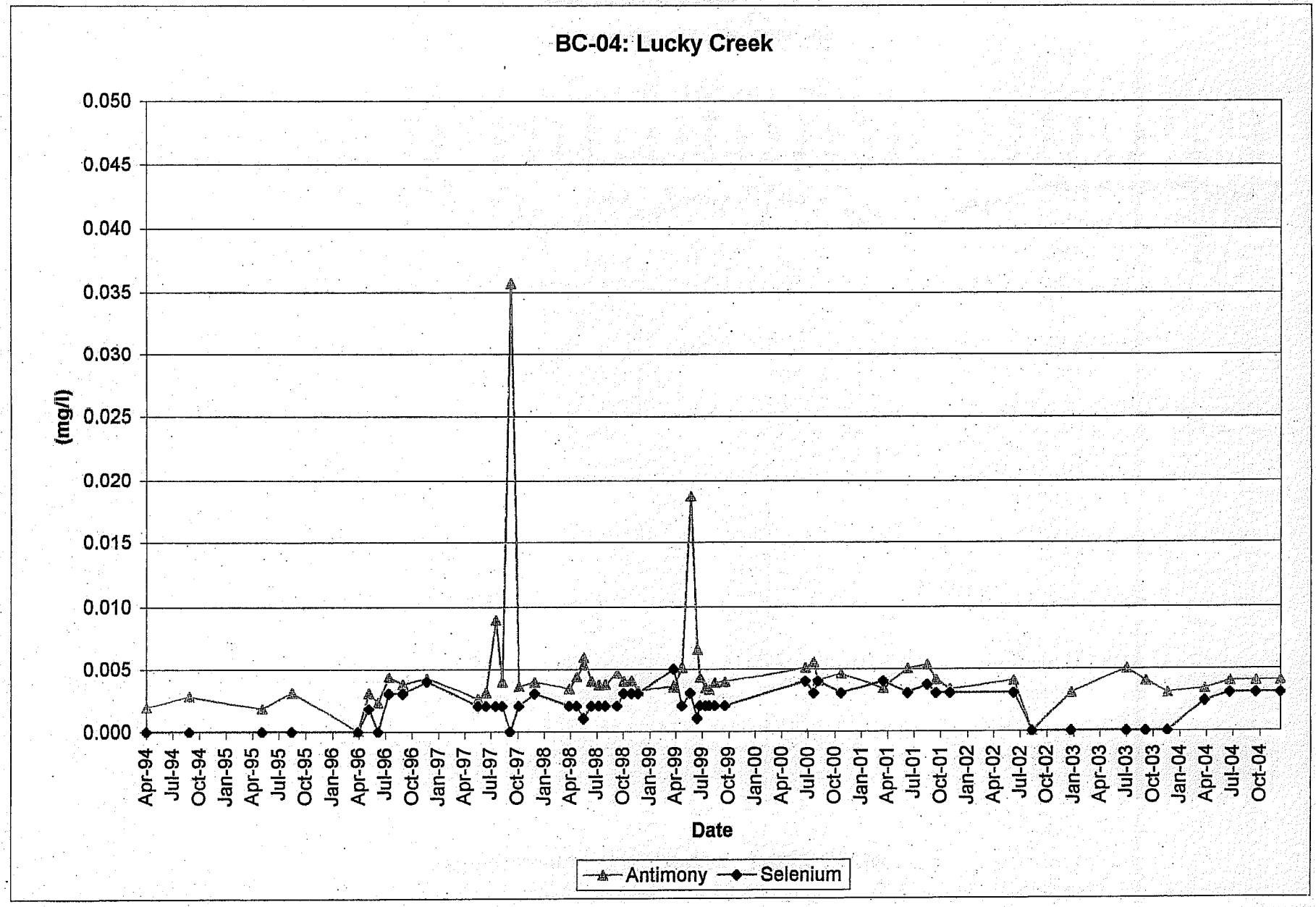

BC-16: Pacific Gulch 300m above Laura Creek
1200
1000
800
600
400
200
0
(mg/l)
Jul-96
Oct-96
Jan-97
Apr-97
Jul-97
Oct-97
Jan-98
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Date
TSS

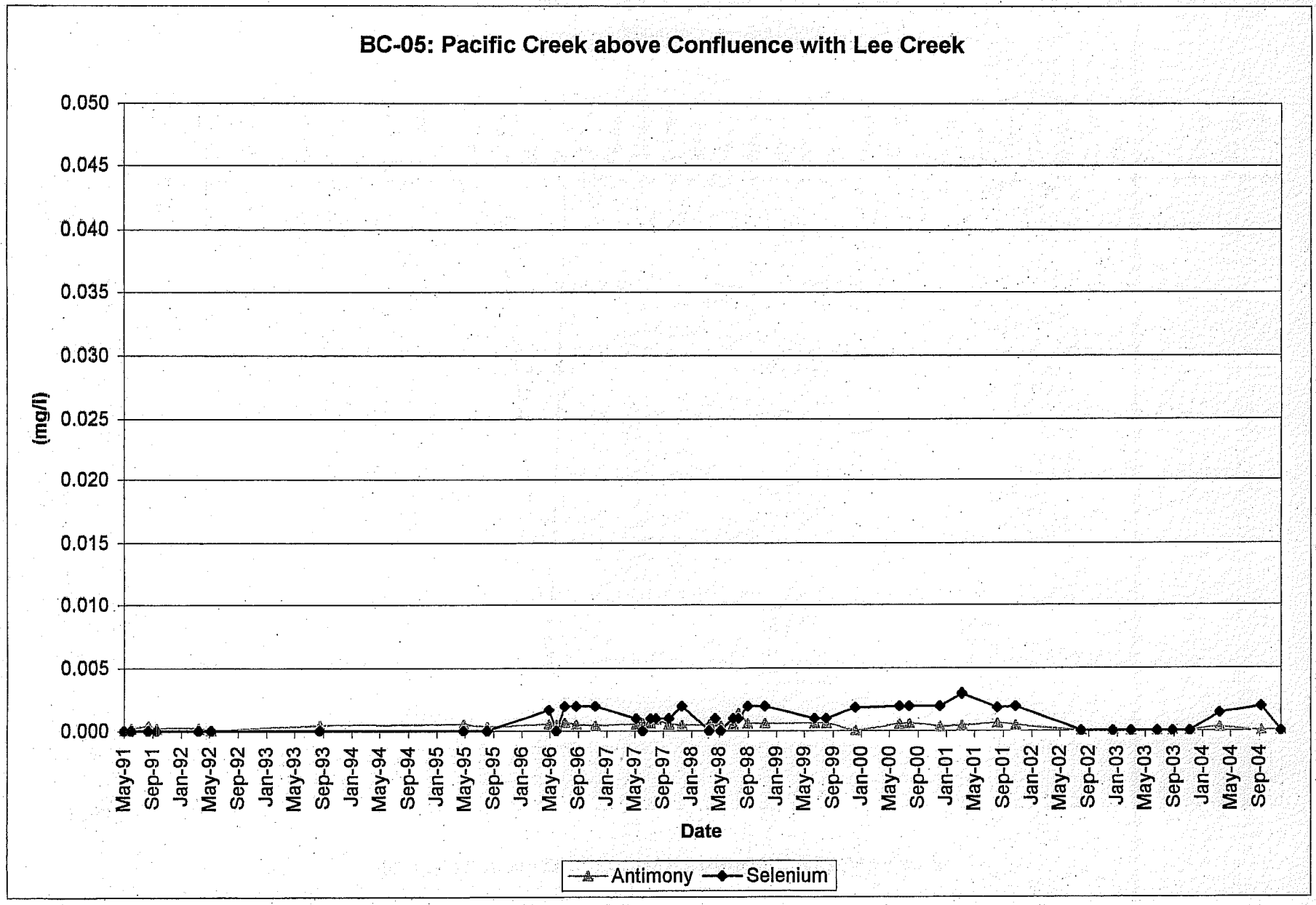

BC-39: Laura Creek at confluence with S. Klondike
200
175
150
125
100
75
50
25
0
(mg/l)
May-97
Aug-97
Nov-97
Feb-98
May-98
Aug-98
Nov-98
Feb-99
May-99
Aug-99
Nov-99
Feb-00
May-00
Aug-00
Nov-00
Feb-01
May-01
Aug-01
Nov-01
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Aug-03
Nov-03
Feb-04
May-04
Aug-04
Date
TSS

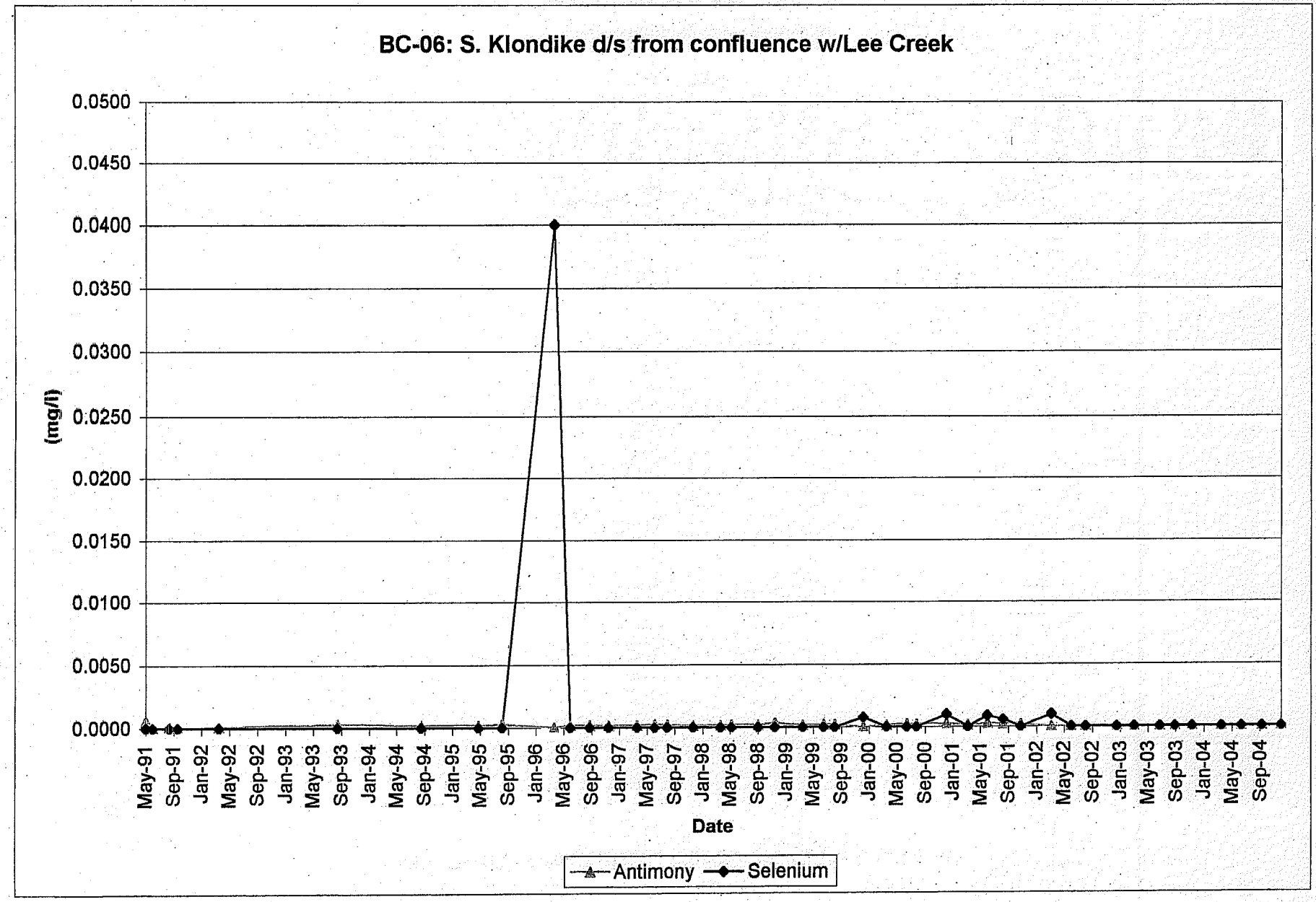

BC-01: Laura Creek 50m above Ditch Road
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Antimony
Selenium

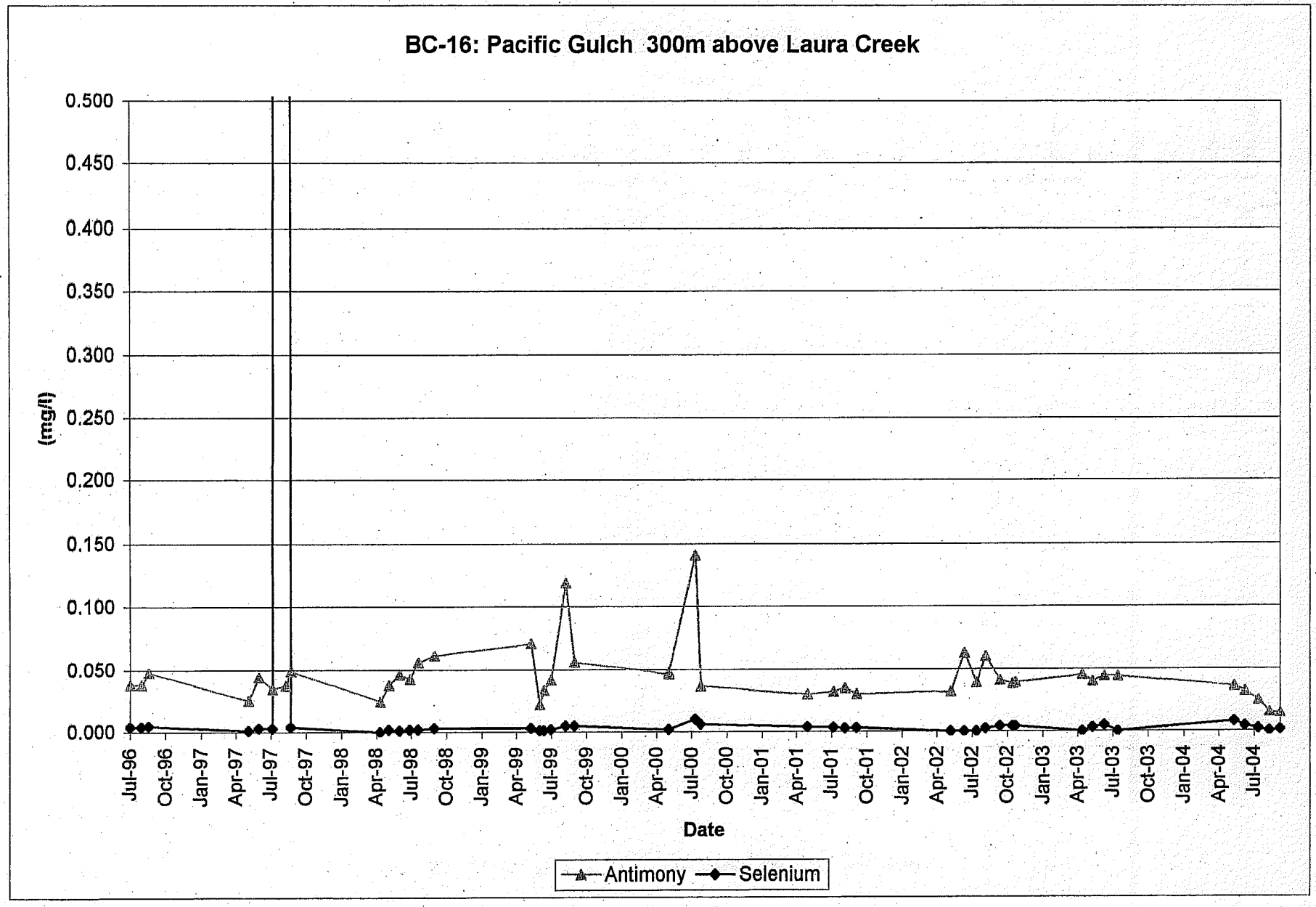

BC-02: Carolyn Creek u/s from Laura Creek
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
Aug-94
Dec-94
Apr-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Apr-04
Aug-04
Date
Antimony
Selenium

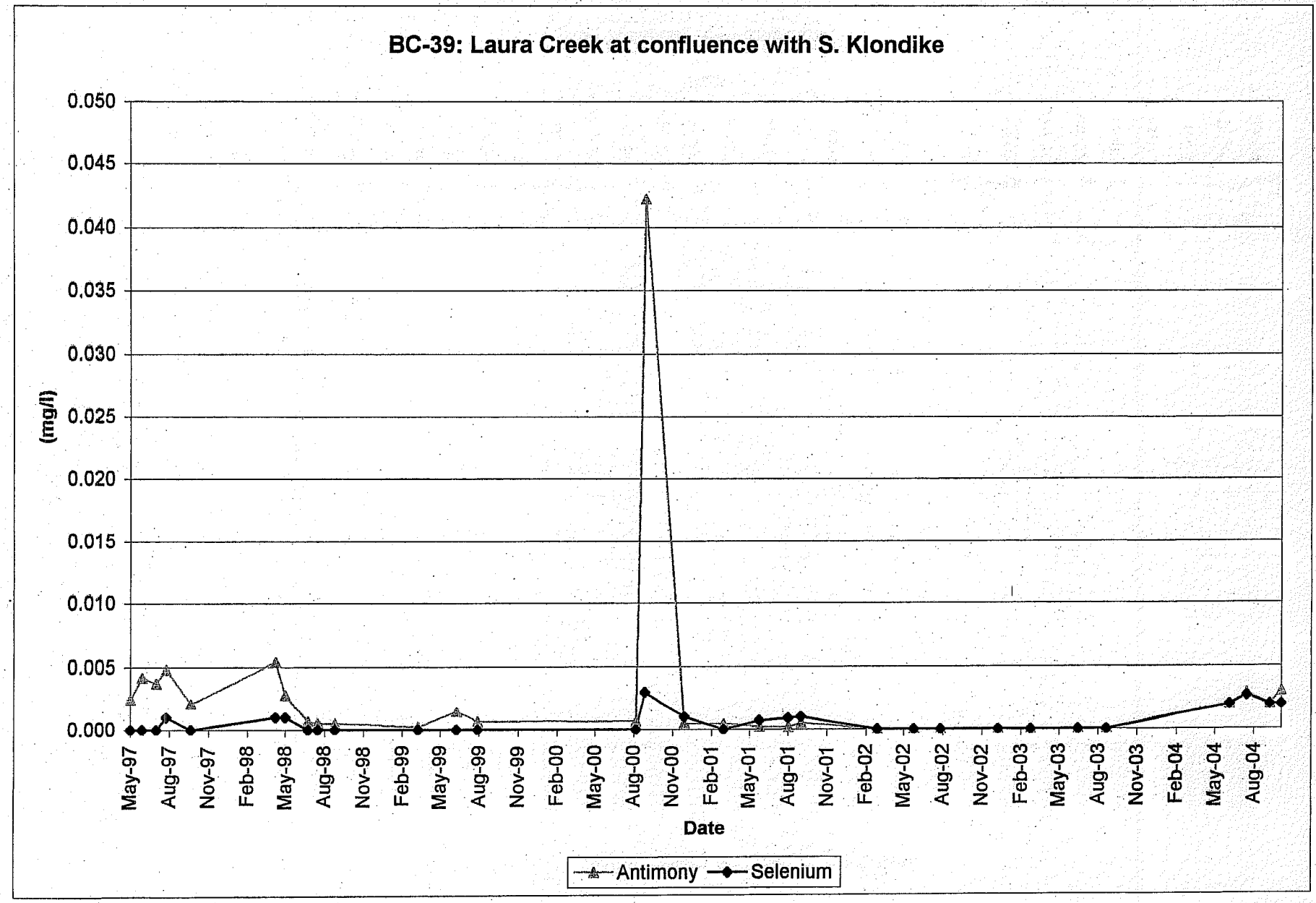

BC-03: Laura Creek Above Carolyn Creek
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Antimony
Selenium

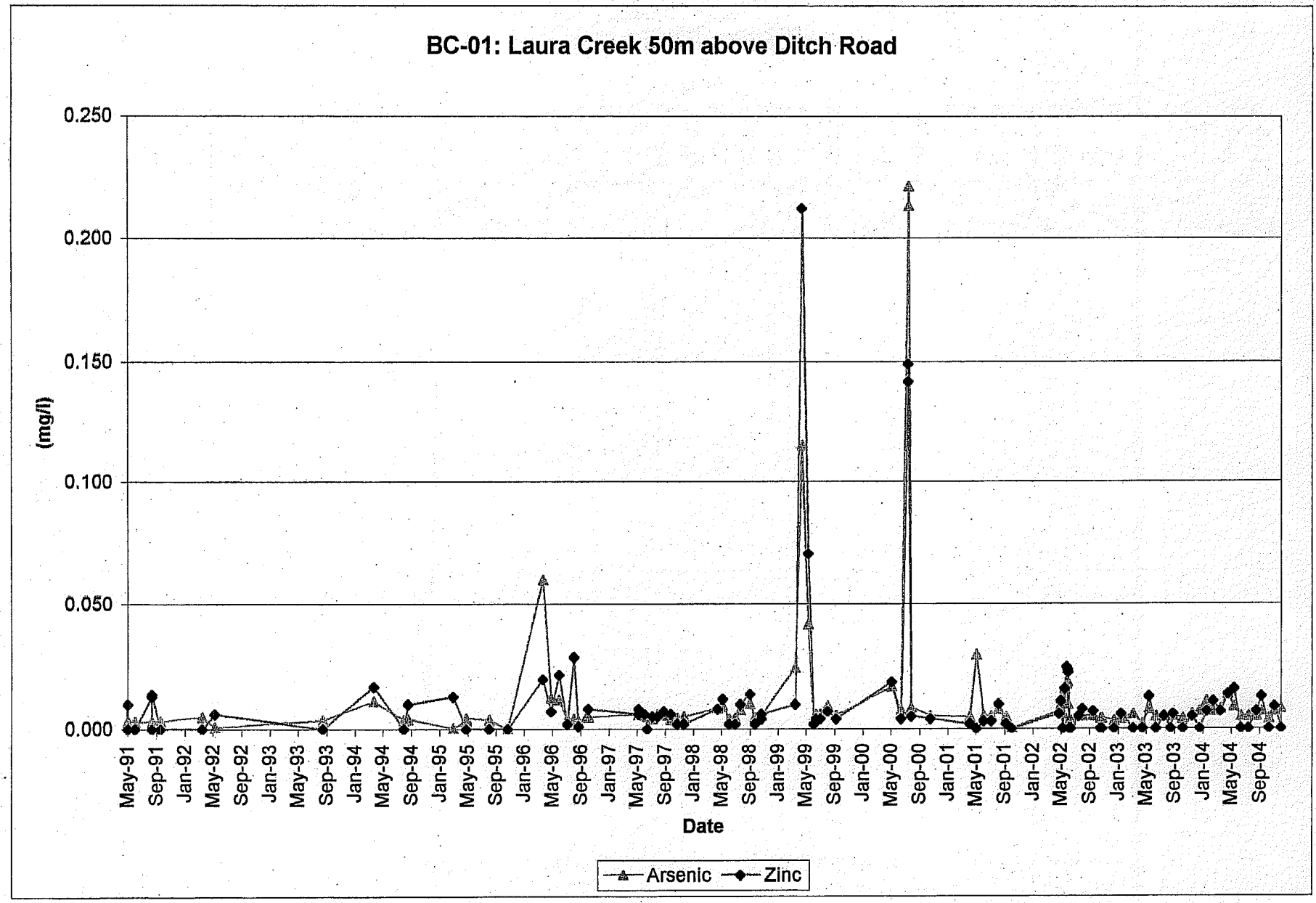

BC-04: Lucky Creek
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
Apr-94
Jul-94
Oct-94
Jan-95
Apr-95
Jul-95
Oct-95
Jan-96
Apr-96
Jul-96
Oct-96
Jan-97
Apr-97
Jul-97
Oct-97
Jan-98
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Date
Antimony
Selenium

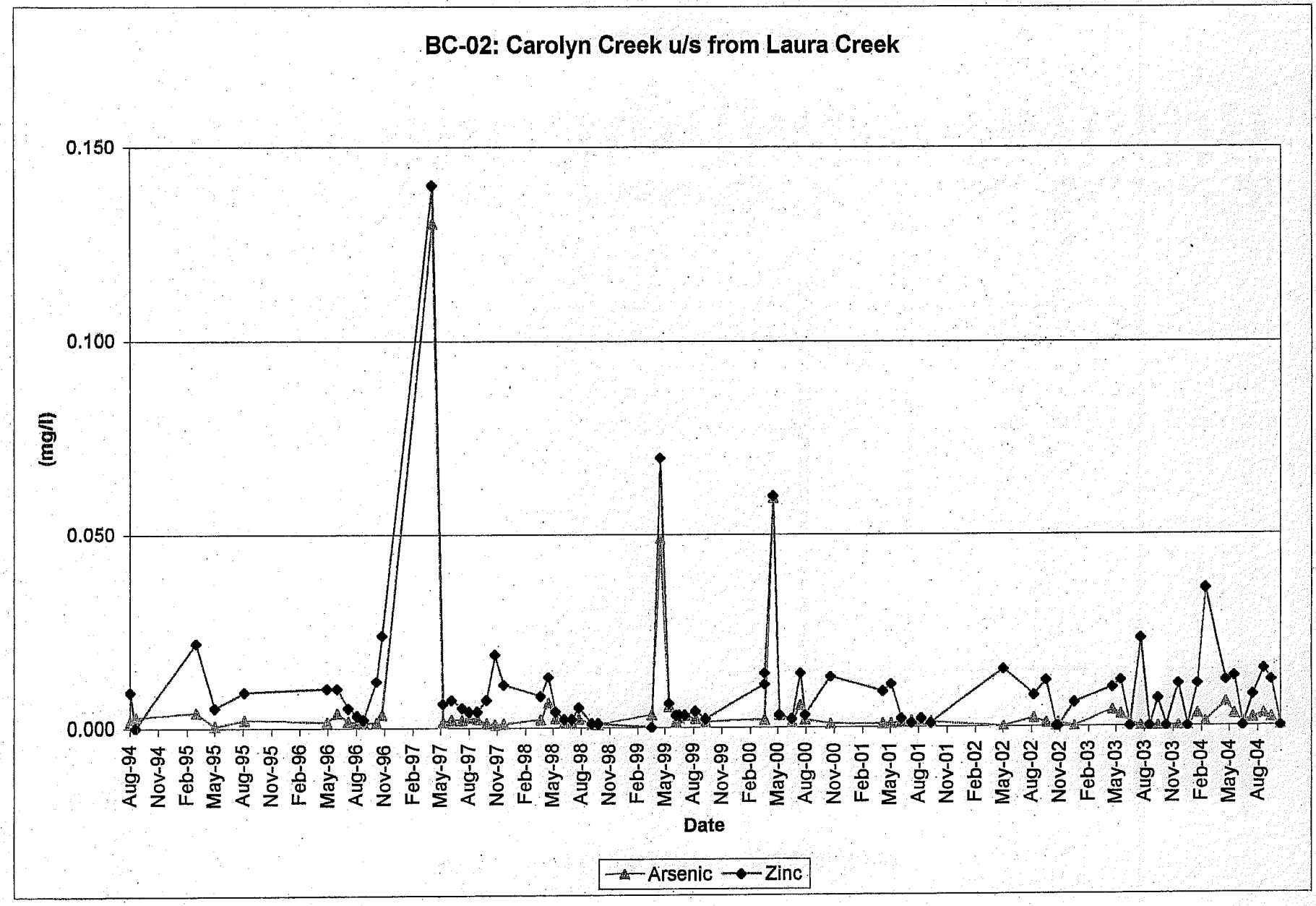

BC-05: Pacific Creek above Confluence with Lee Creek
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Antimony
Selenium

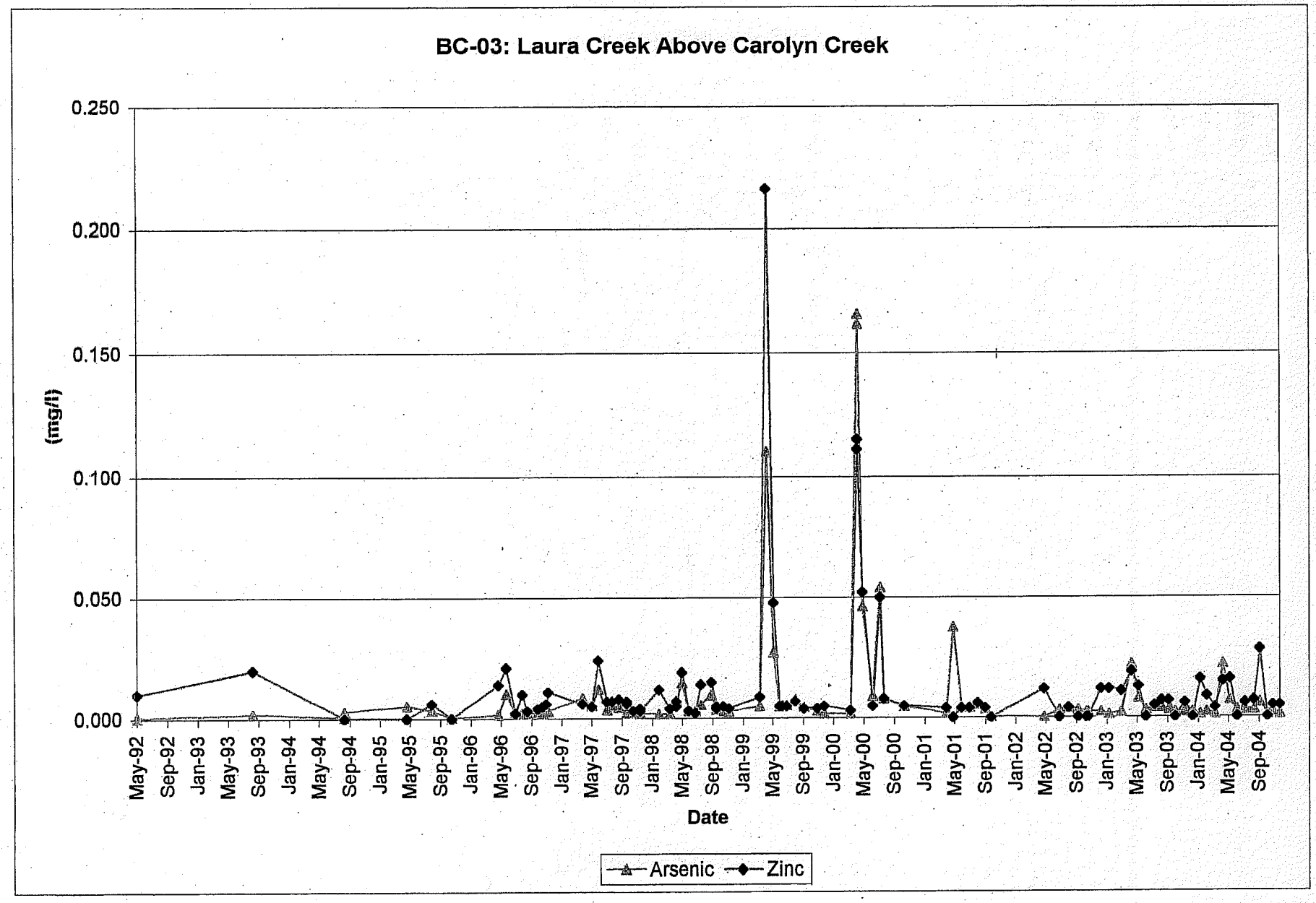

BC-06: S. Klondike d/s from confluence w/Lee Creek
0.0500
0.0450
0.0400
0.0350
0.0300
0.0250
0.0200
0.0150
0.0100
0.0050
0.0000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Antimony
Selenium

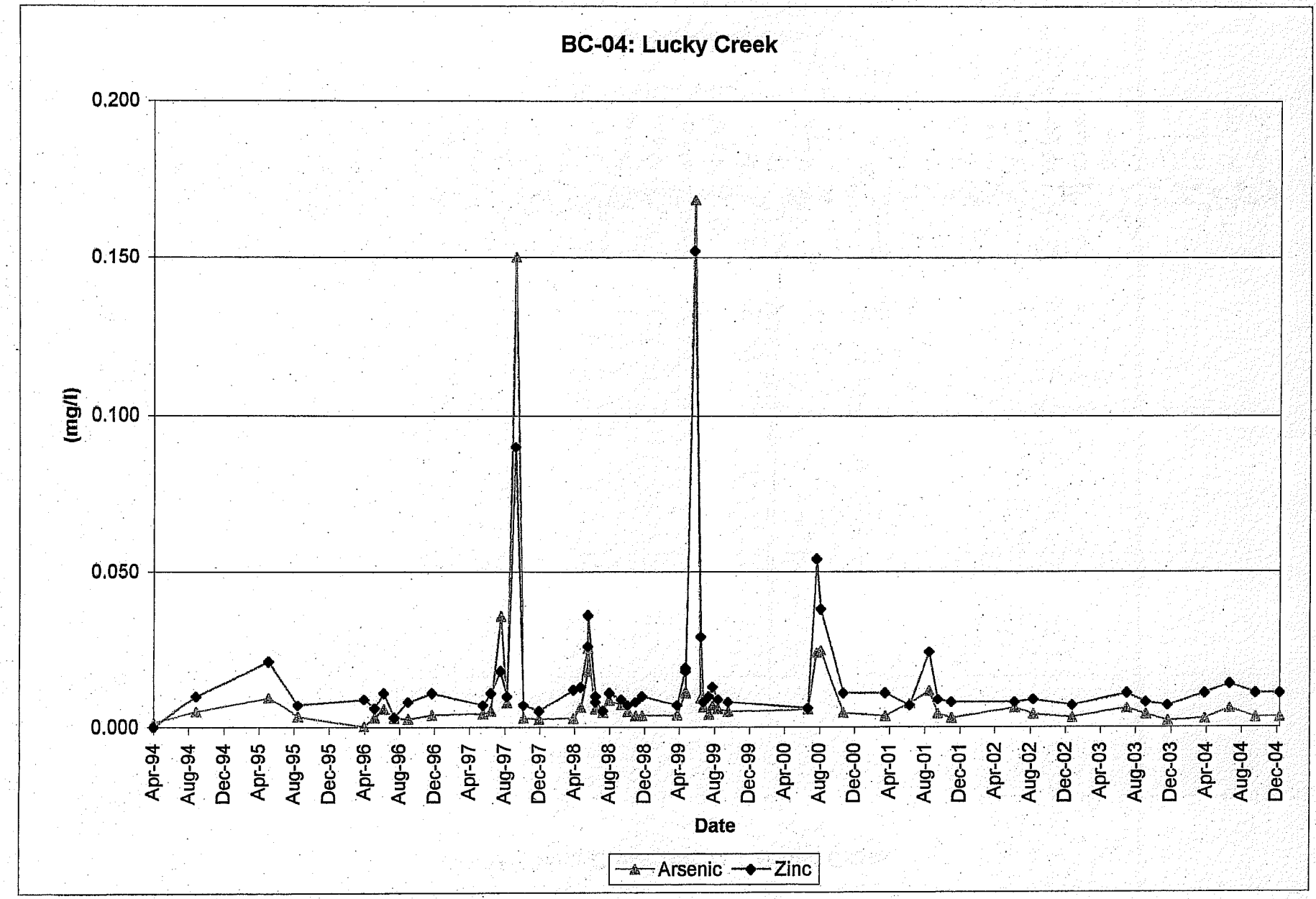

BC-16: Pacific Gulch 300m above Laura Creek
(mg/l)
0.500
0.450
0.400
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
Jul-96
Oct-96
Jan-97
Apr-97
Jul-97
Oct-97
Jan-98
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Date
Antimony
Selenium

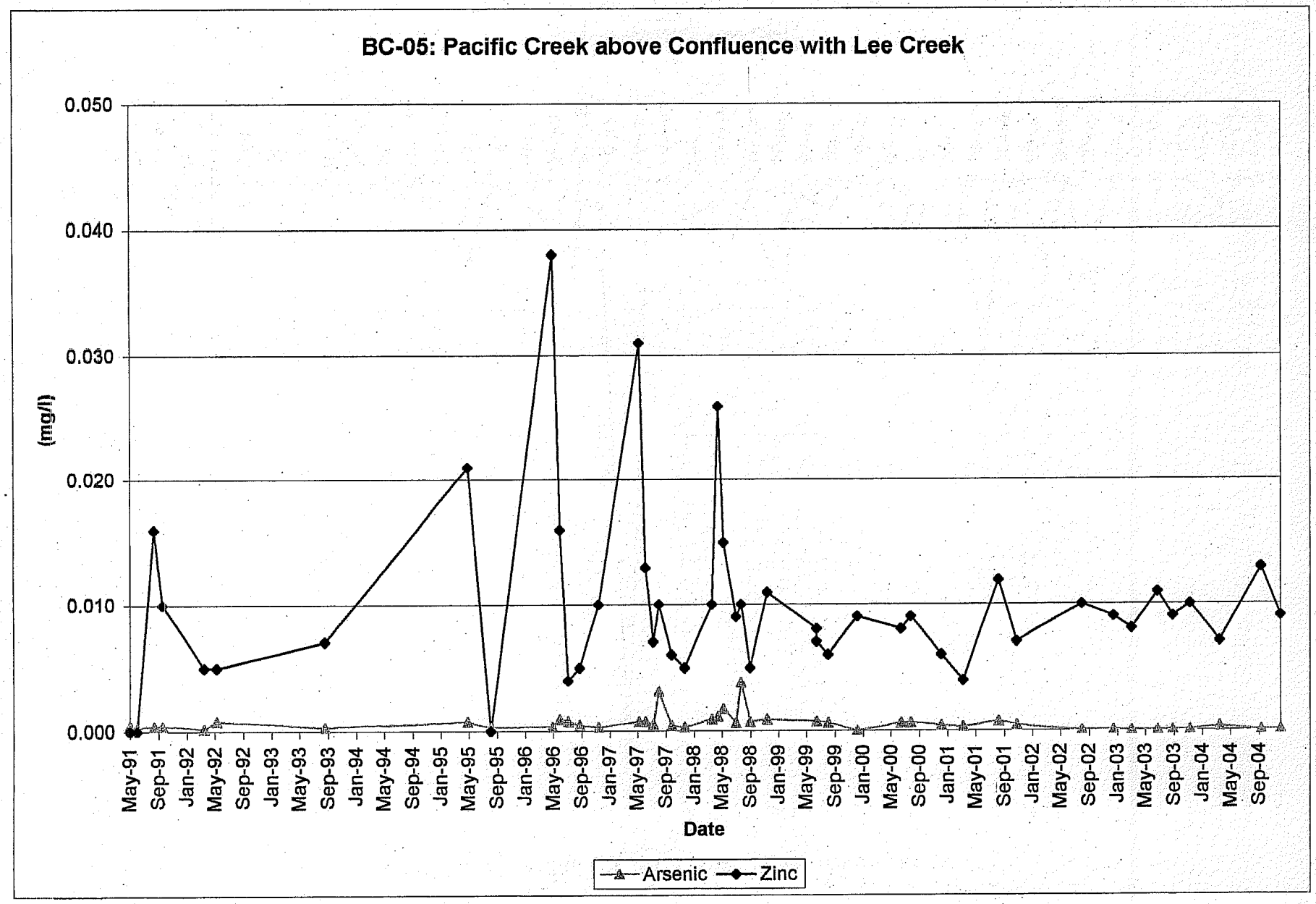

BC-39: Laura Creek at confluence with S. Klondike
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
May-97
Aug-97
Nov-97
Feb-98
May-98
Aug-98
Nov-98
Feb-99
May-99
Aug-99
Nov-99
Feb-00
May-00
Aug-00
Nov-00
Feb-01
May-01
Aug-01
Nov-01
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Aug-03
Nov-03
Feb-04
May-04
Aug-04
Date
Antimony
Selenium

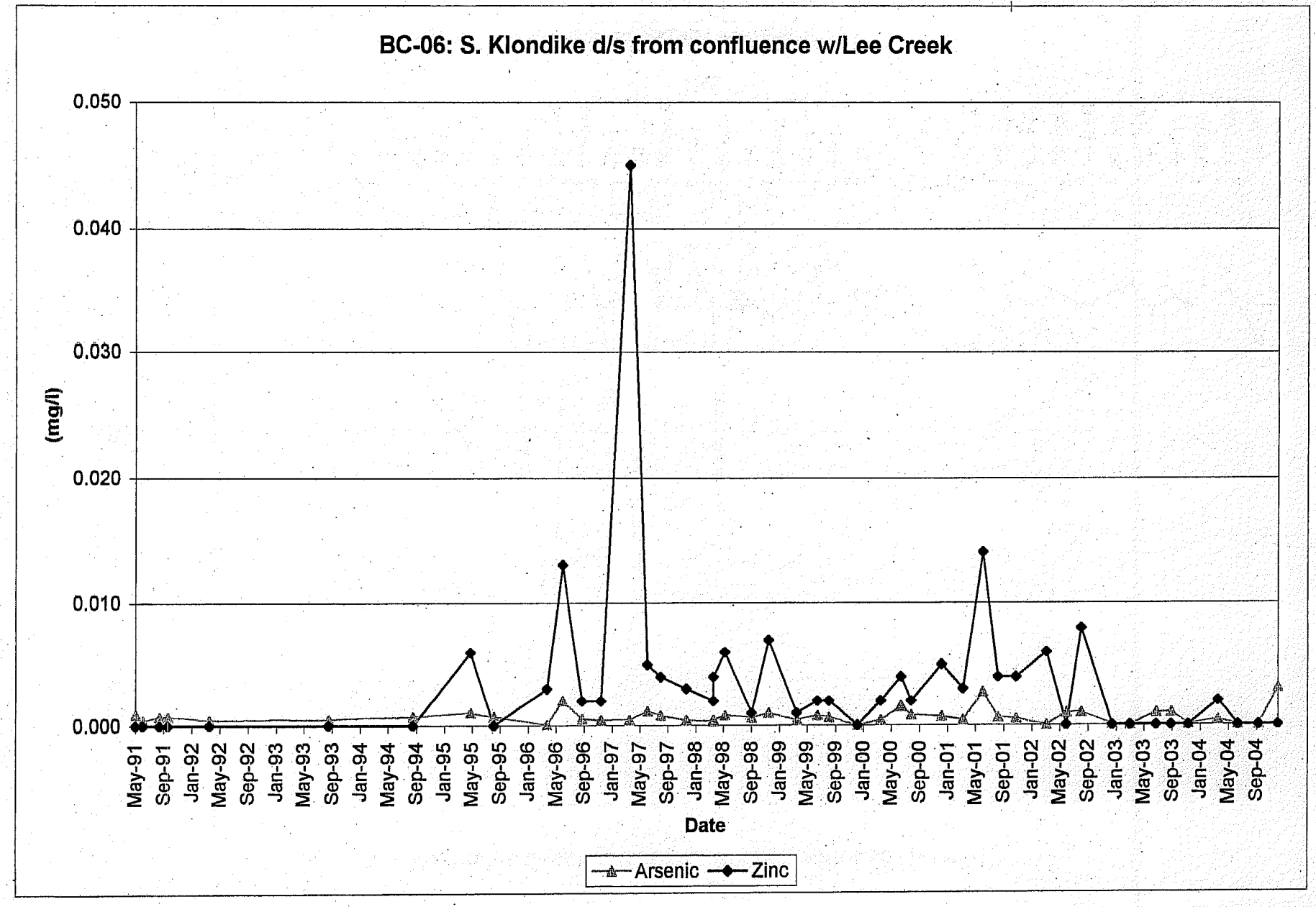

BC-01: Laura Creek 50m above Ditch Road
0.250
0.200
0.150
0.100
0.050
0.000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Arsenic
Zinc

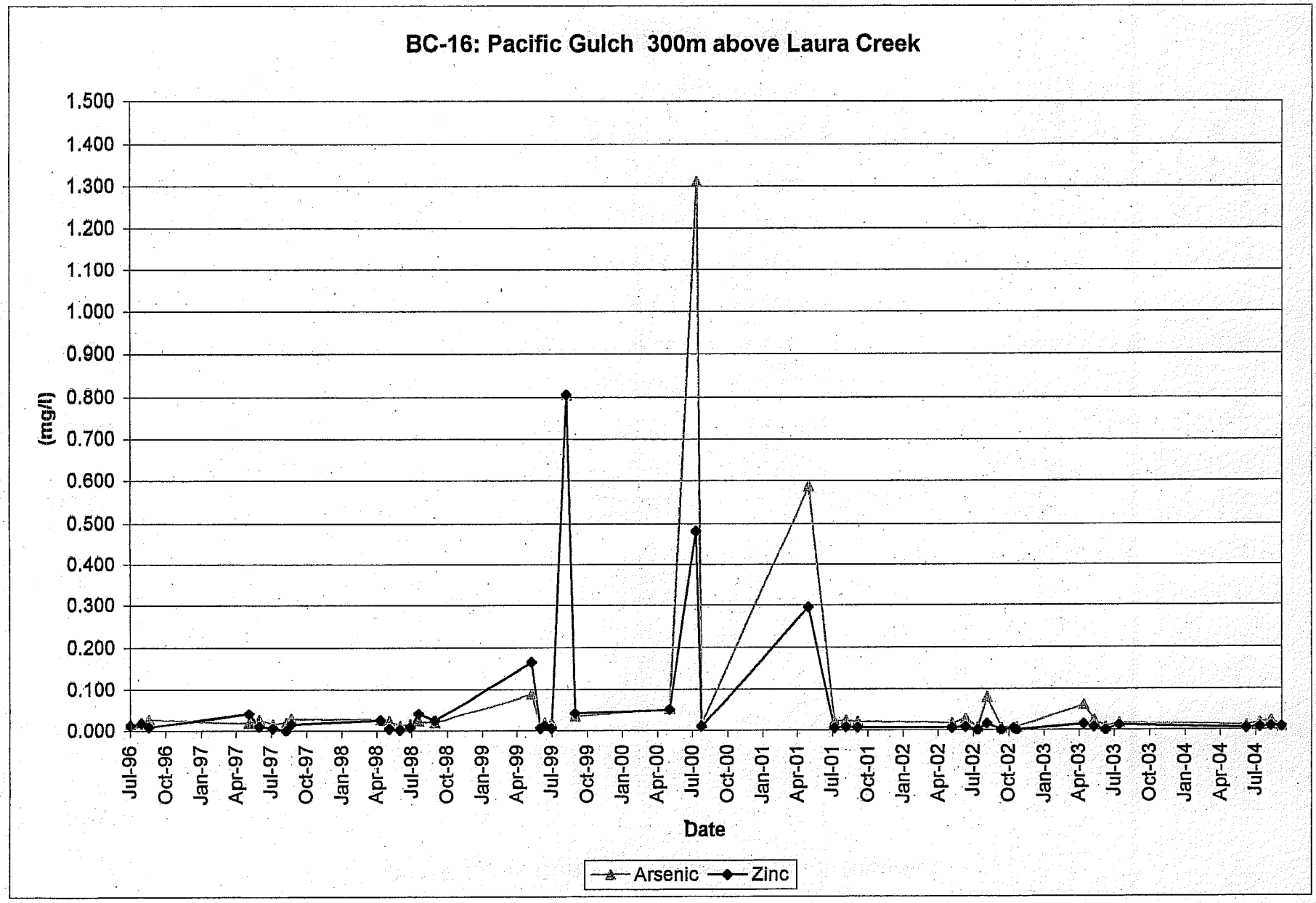

BC-02: Carolyn Creek u/s from Laura Creek
0.150
0.100
0.050
0.000
(mg/l)
Aug-94
Nov-94
Feb-95
May-95
Aug-95
Nov-95
Feb-96
May-96
Aug-96
Nov-96
Feb-97
May-97
Aug-97
Nov-97
Feb-98
May-98
Aug-98
Nov-98
Feb-99
May-99
Aug-99
Nov-99
Feb-00
May-00
Aug-00
Nov-00
Feb-01
May-01
Aug-01
Nov-01
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Aug-03
Nov-03
Feb-04
May-04
Aug-04
Date
Arsenic
Zinc

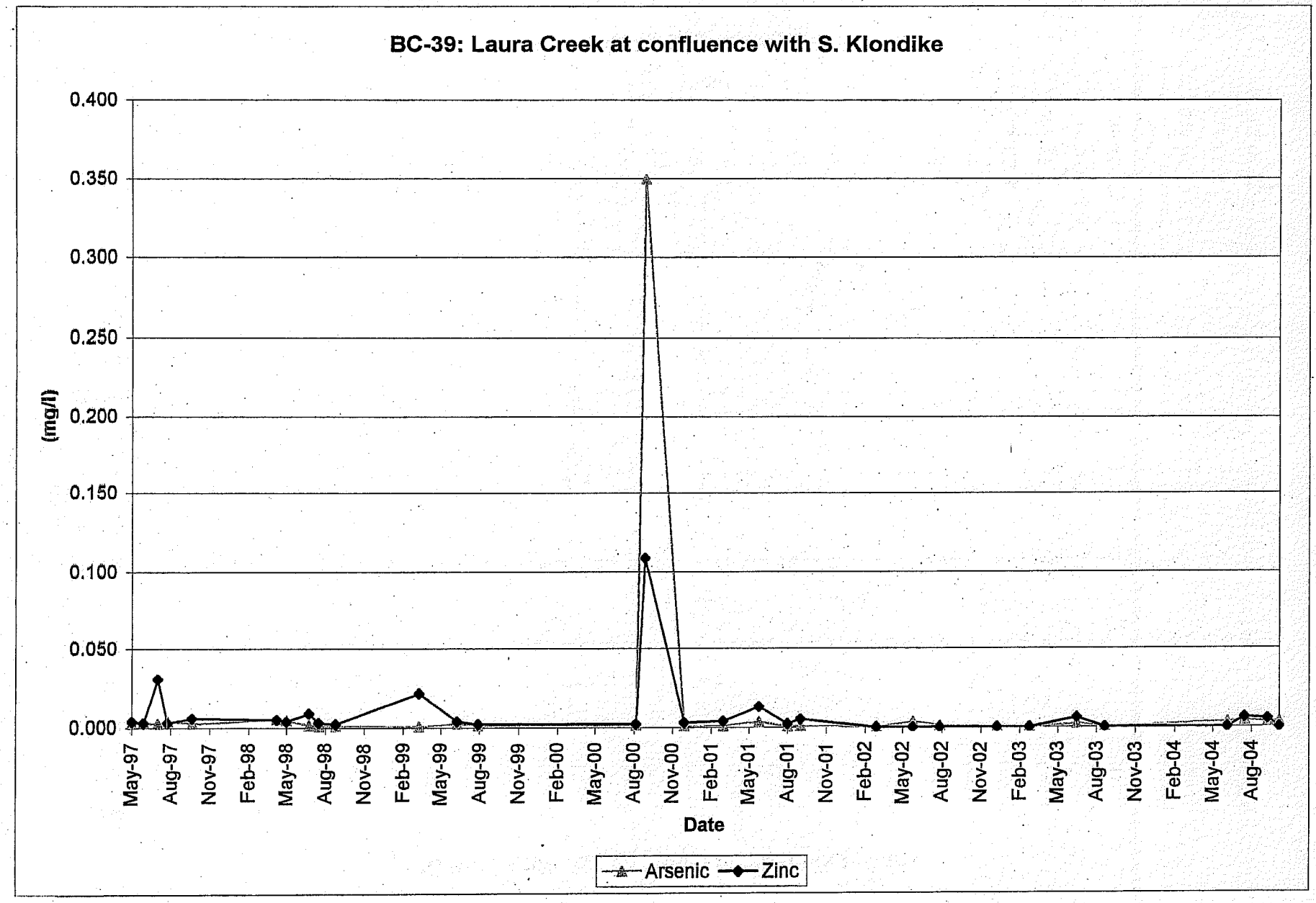

BC-03: Laura Creek Above Carolyn Creek
0.250
0.200
0.150
0.100
0.050
0.000
(mg/l)
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Arsenic
Zinc

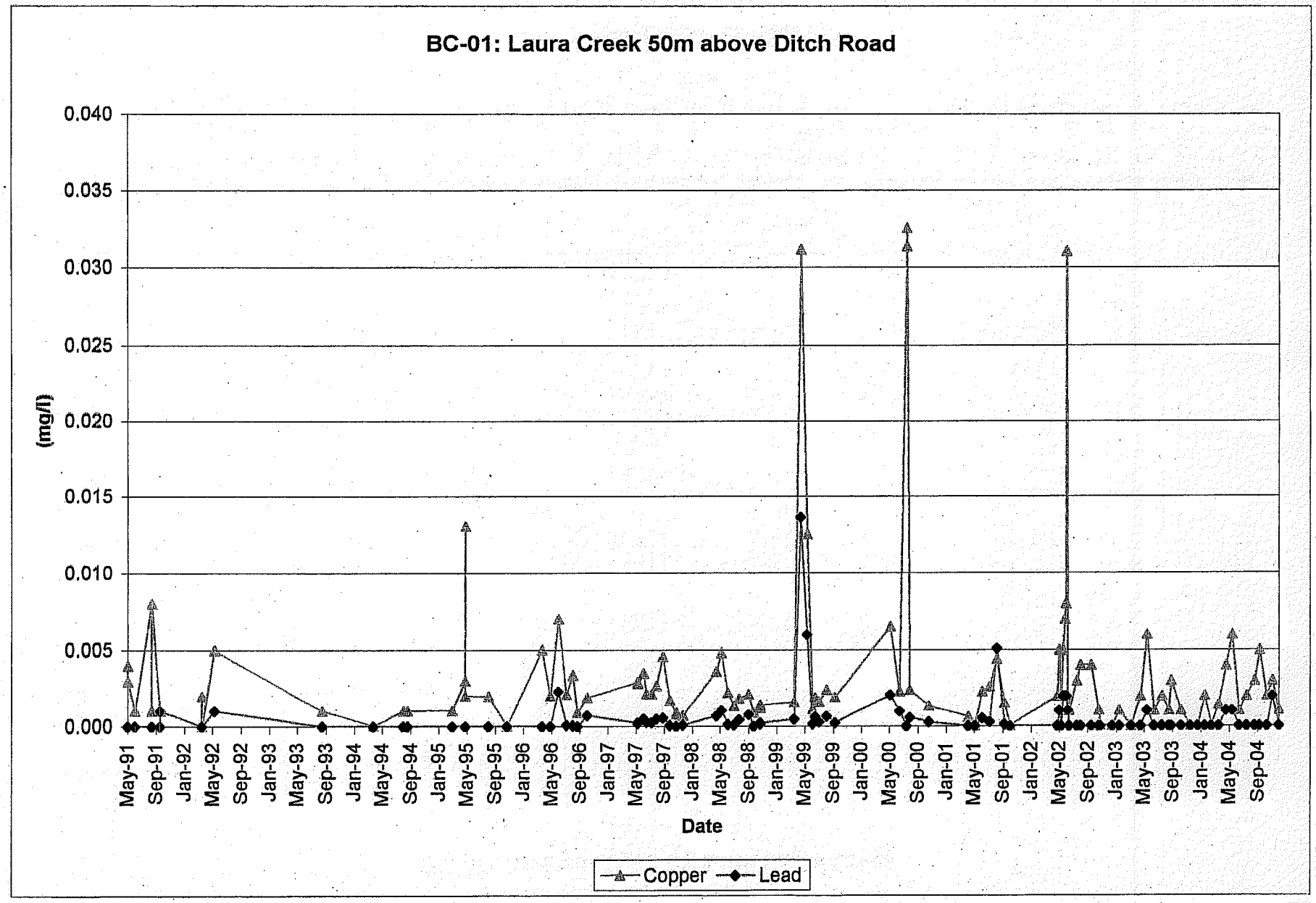

BC-04: Lucky Creek
0.200
0.150
0.100
0.050
0.000
(mg/l)
Apr-94
Aug-94
Dec-94
Apr-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Apr-04
Aug-04
Dec-04
Date
Arsenic
Zinc

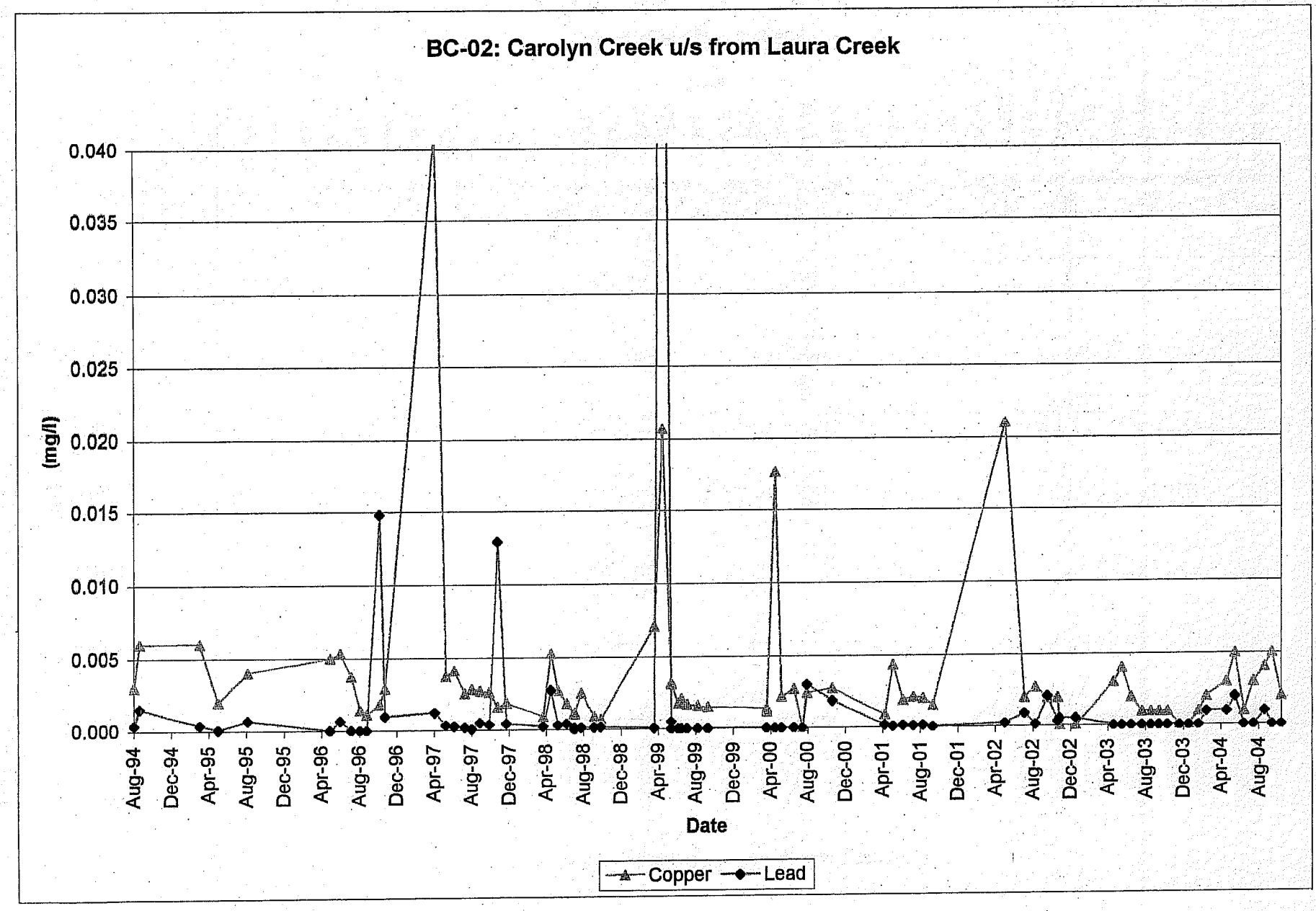

BC-05: Pacific Creek above Confluence with Lee Creek
0.050
0.040
0.030
0.020
0.010
0.000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Arsenic
Zinc

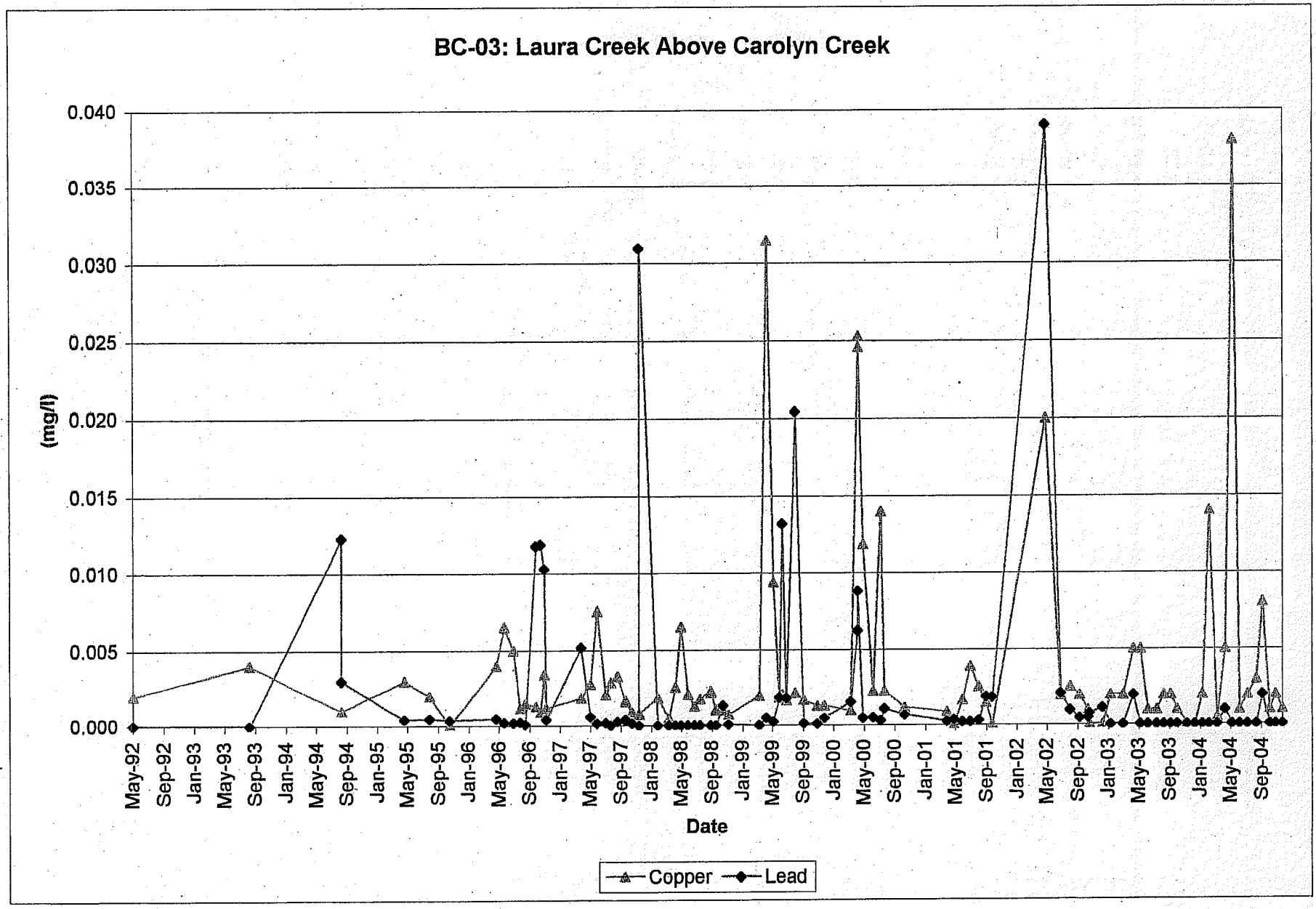

BC-06: S. Klondike d/s from confluence w/Lee Creek
0.050
0.040
0.030
0.020
0.010
0.000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Arsenic
Zinc


BC-16: Pacific Gulch 300m above Laura Creek
(mg/l)
1.500
1.400
1.300
1.200
1.100
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
Jul-96
Oct-96
Jan-97
Apr-97
Jul-97
Oct-97
Jan-98
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Date
Arsenic
Zinc


BC-39: Laura Creek at confluence with S. Klondike
0.400
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
(mg/l)
May-97
Aug-97
Nov-97
Feb-98
May-98
Aug-98
Nov-98
Feb-99
May-99
Aug-99
Nov-99
Feb-00
May-00
Aug-00
Nov-00
Feb-01
May-01
Aug-01
Nov-01
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Aug-03
Nov-03
Feb-04
May-04
Aug-04
Date
Arsenic
Zinc


BC-01: Laura Creek 50m above Ditch Road
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Copper
Lead


BC-02: Carolyn Creek u/s from Laura Creek
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
Aug-94
Dec-94
Apr-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Apr-04
Aug-04
Date
Copper
Lead


BC-03: Laura Creek Above Carolyn Creek
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
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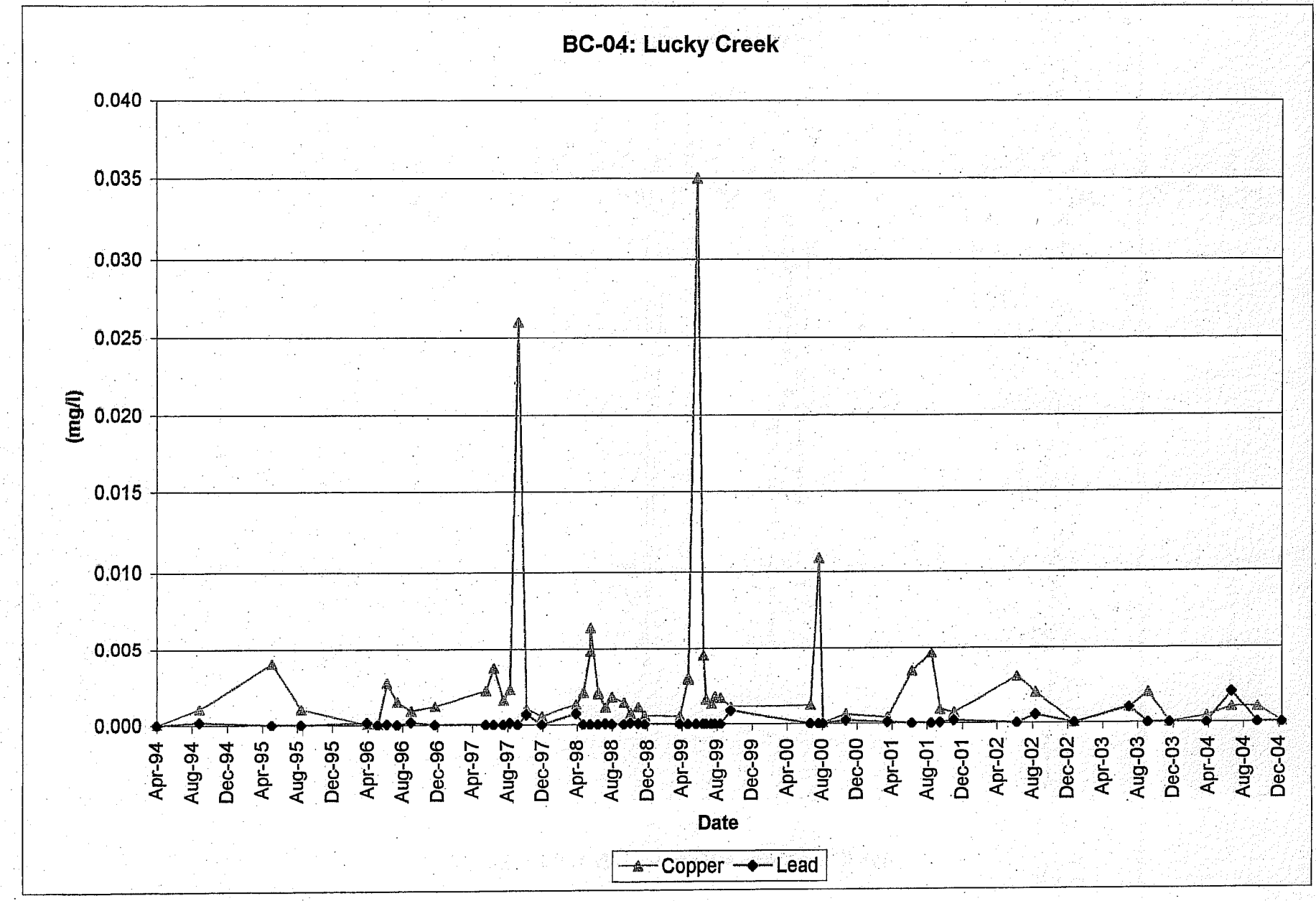
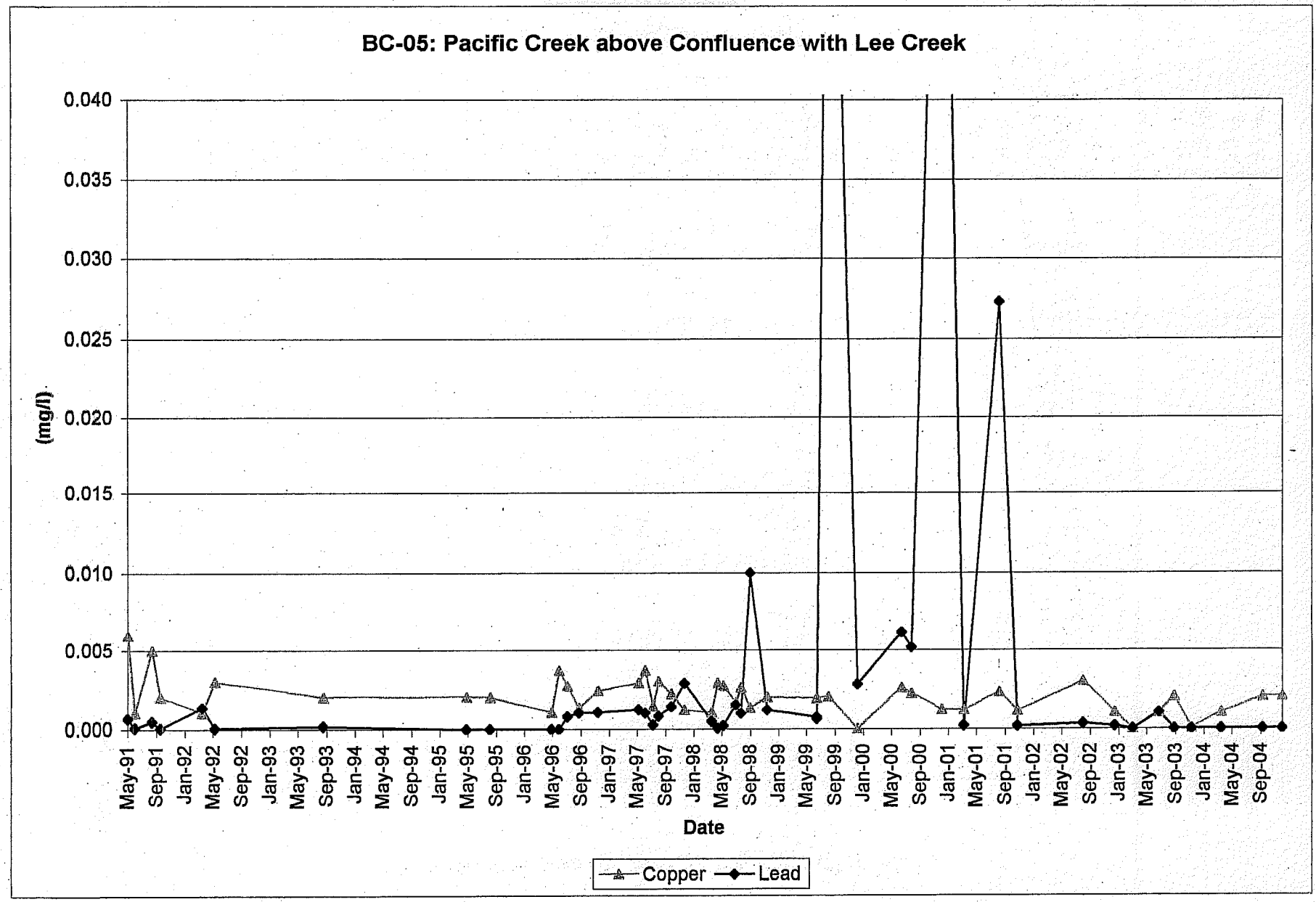
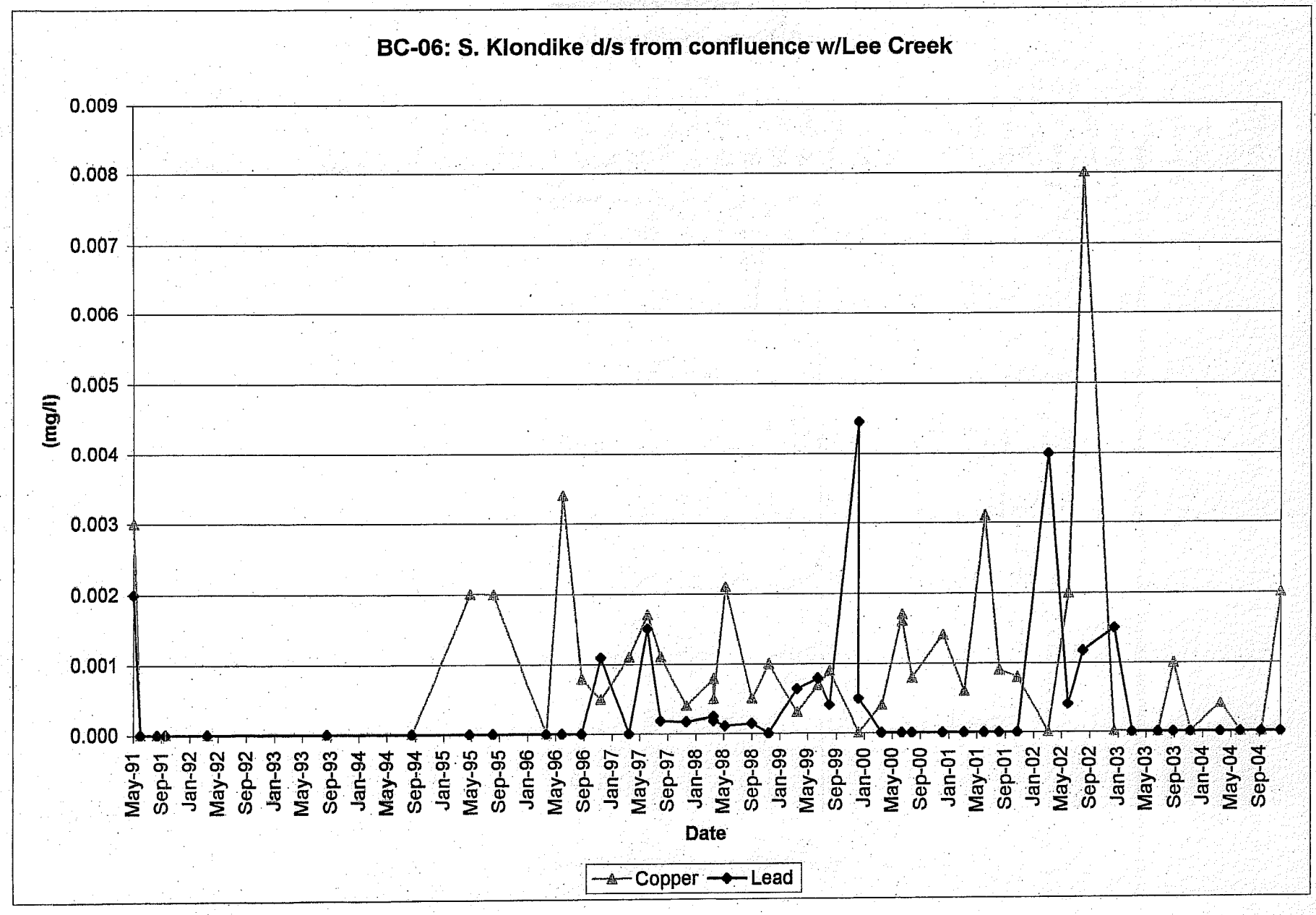
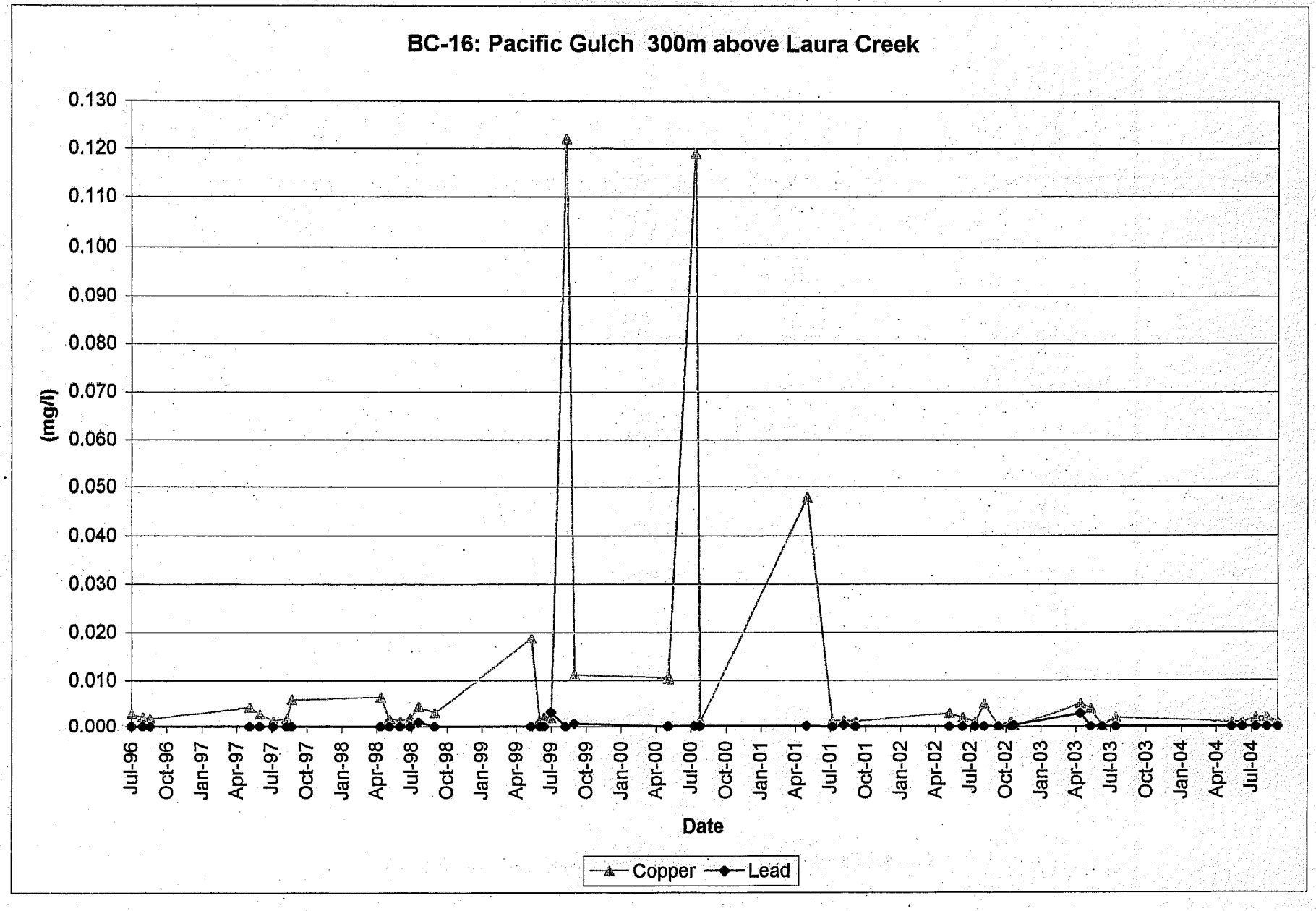
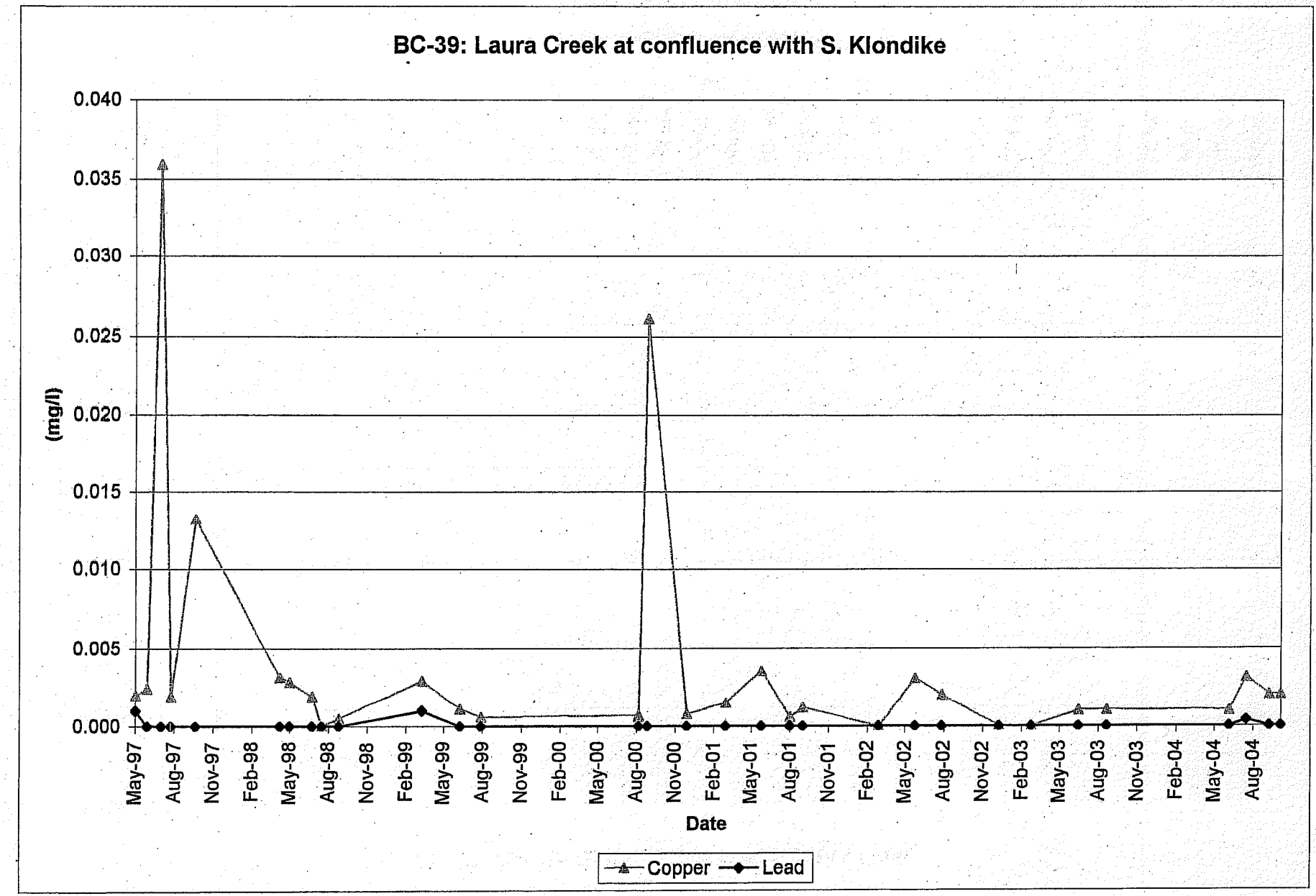
Sep-03
Jan-04
May-04
Sep-04
Date
Copper
Lead


BC-04: Lucky Creek
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
Apr-94
Aug-94
Dec-94
Apr-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Apr-04
Aug-04
Dec-04
Date
Copper
Lead

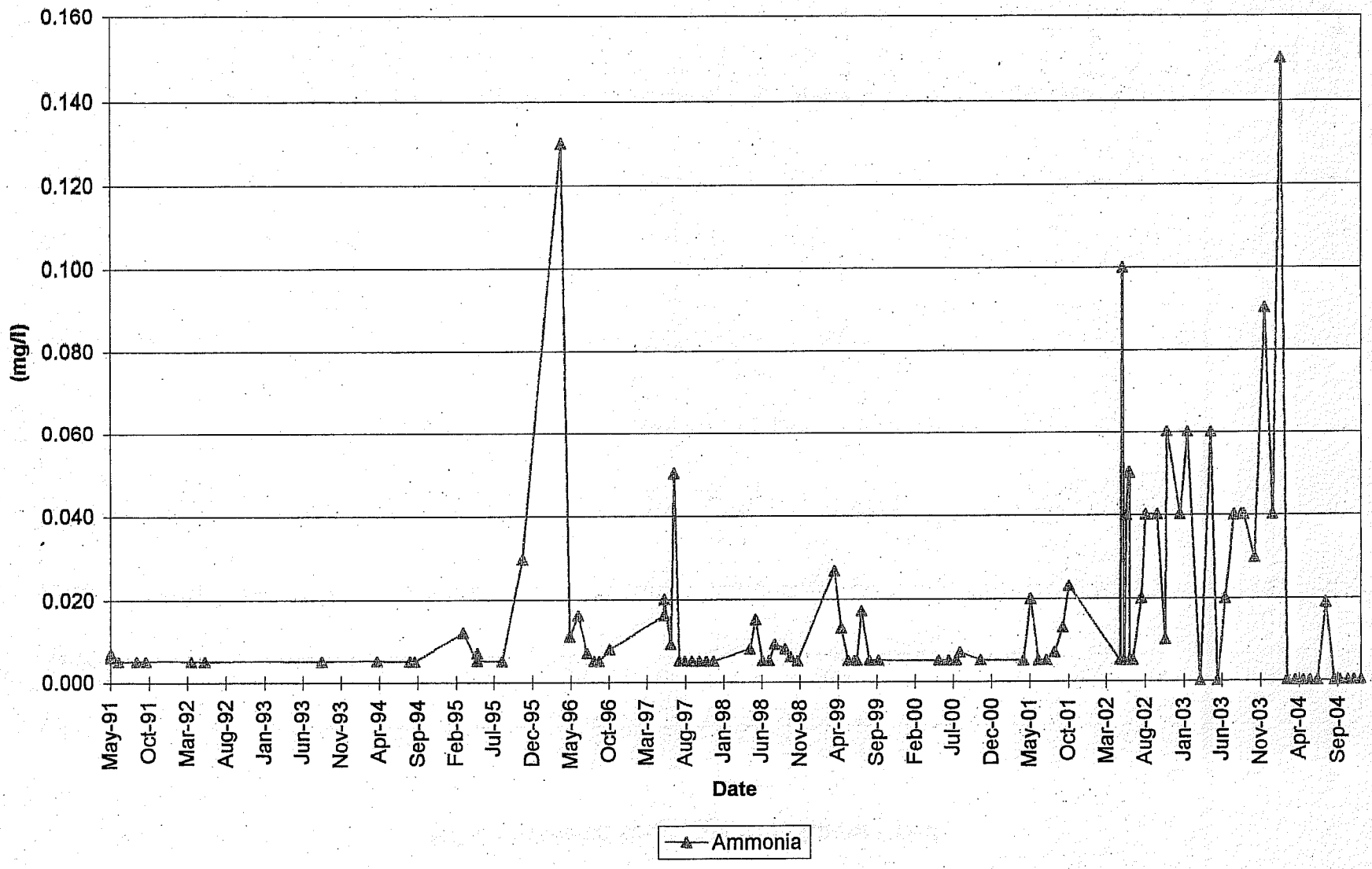

BC-05: Pacific Creek above Confluence with Lee Creek
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Copper
Lead


BC-06: S. Klondike d/s from confluence w/Lee Creek
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
(mg/l)
May-91
Sep-91
Jan-92
May-92
Sep-92
Jan-93
May-93
Sep-93
Jan-94
May-94
Sep-94
Jan-95
May-95
Sep-95
Jan-96
May-96
Sep-96
Jan-97
May-97
Sep-97
Jan-98
May-98
Sep-98
Jan-99
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Date
Copper
Lead

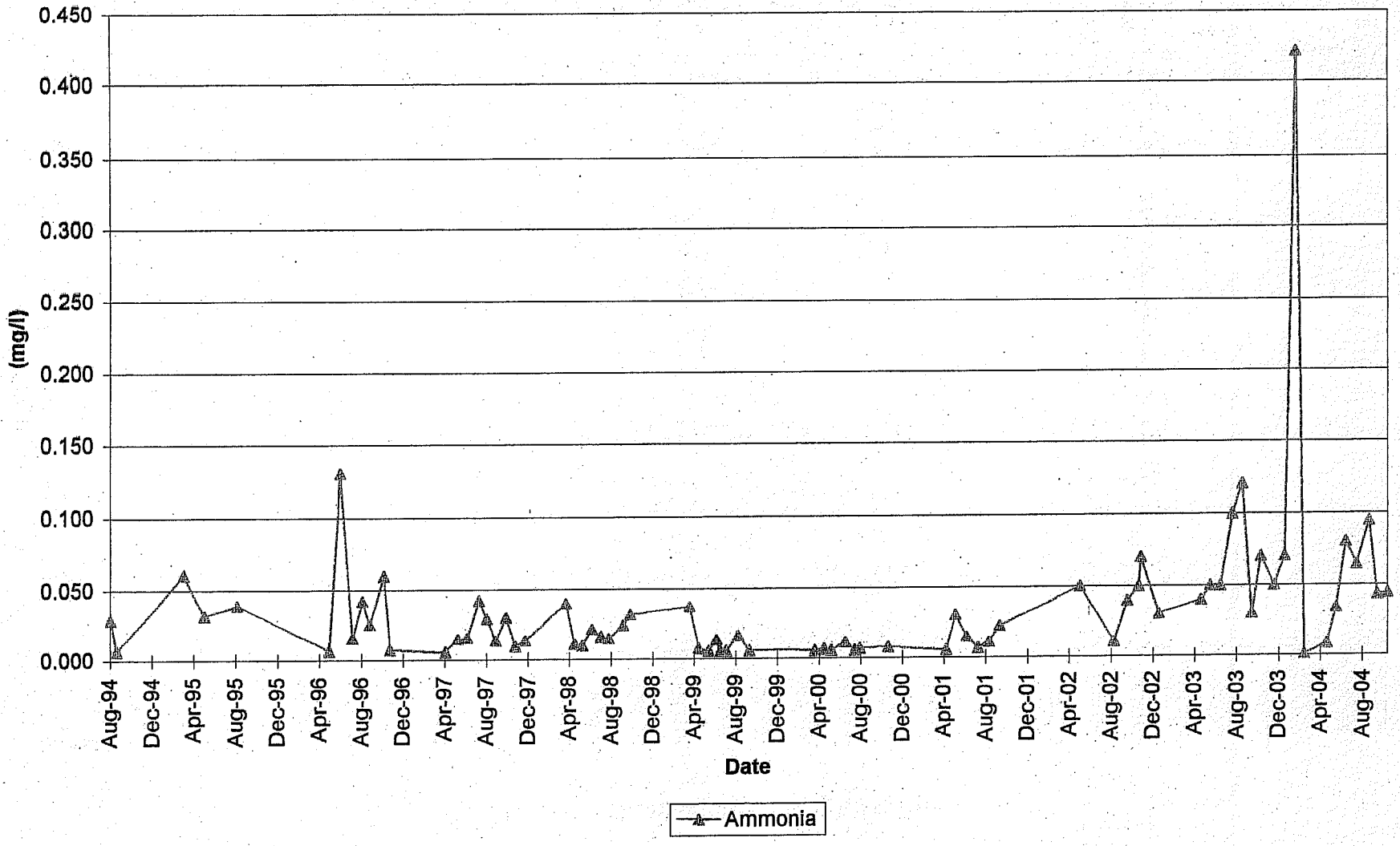

BC-16: Pacific Gulch 300m above Laura Creek
0.130
0.120
0.110
0.100
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
(mg/l)
Jul-96
Oct-96
Jan-97
Apr-97
Jul-97
Oct-97
Jan-98
Apr-98
Jul-98
Oct-98
Jan-99
Apr-99
Jul-99
Oct-99
Jan-00
Apr-00
Jul-00
Oct-00
Jan-01
Apr-01
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Date
Copper
Lead


BC-39: Laura Creek at confluence with S. Klondike
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
(mg/l)
May-97
Aug-97
Nov-97
Feb-98
May-98
Aug-98
Nov-98
Feb-99
May-99
Aug-99
Nov-99
Feb-00
May-00
Aug-00
Nov-00
Feb-01
May-01
Aug-01
Nov-01
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Aug-03
Nov-03
Feb-04
May-04
Aug-04
Date
Copper
Lead

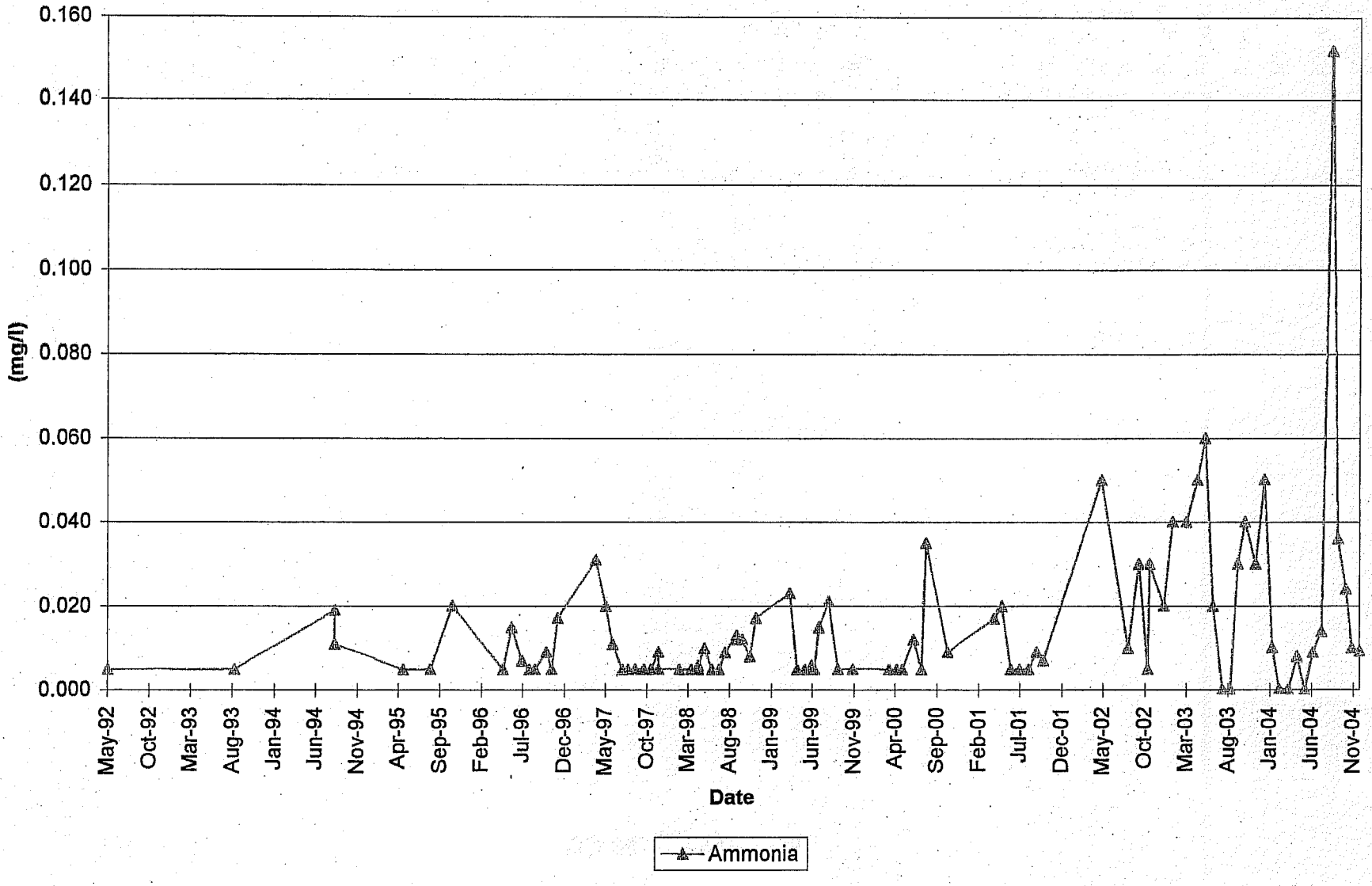
BC-01: Laura Creek 50m above Ditch Road

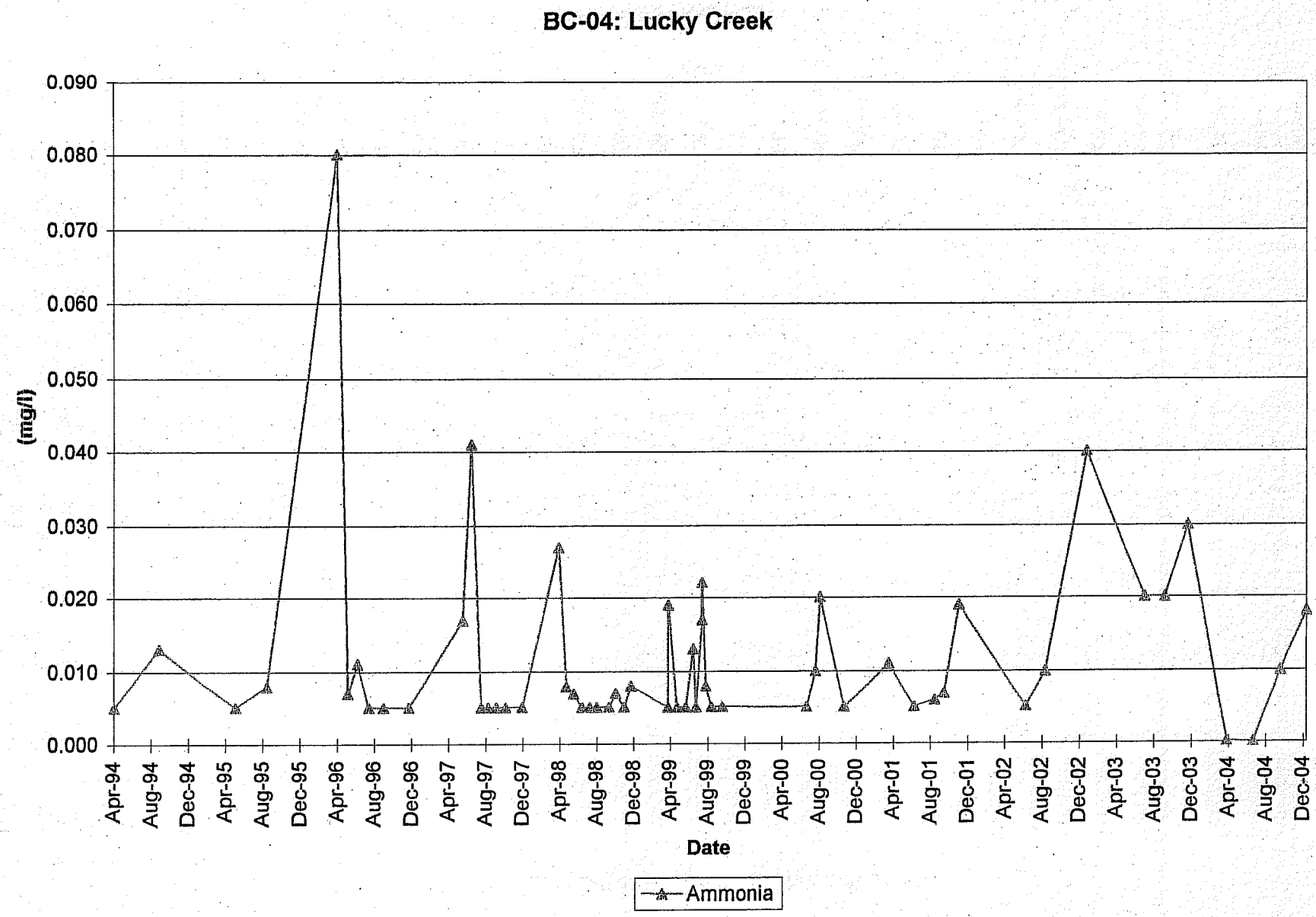


BC-02: Carolyn Creek u/s from Laura Creek

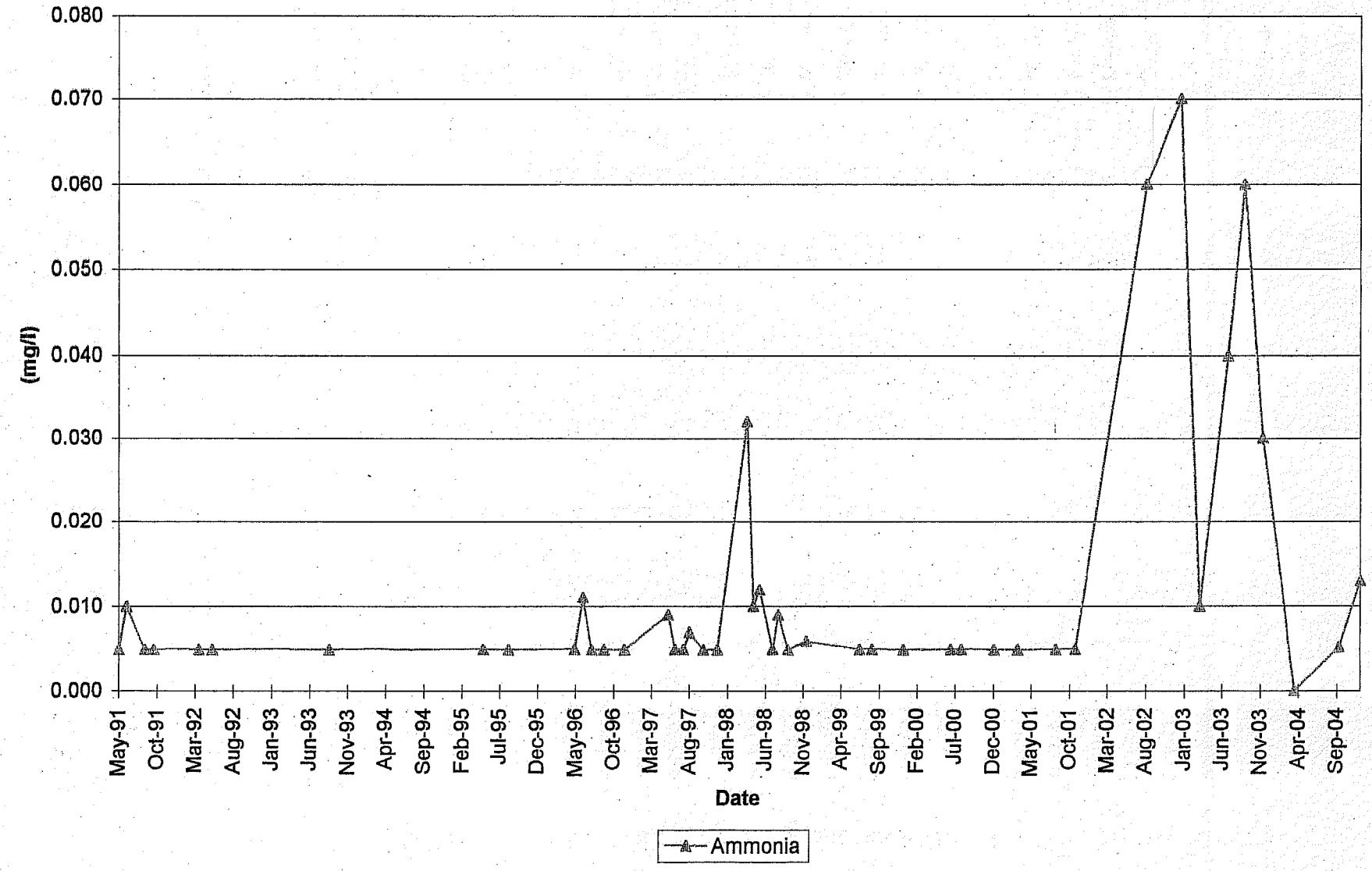


BC-03: Laura Creek Above Carolyn Creek

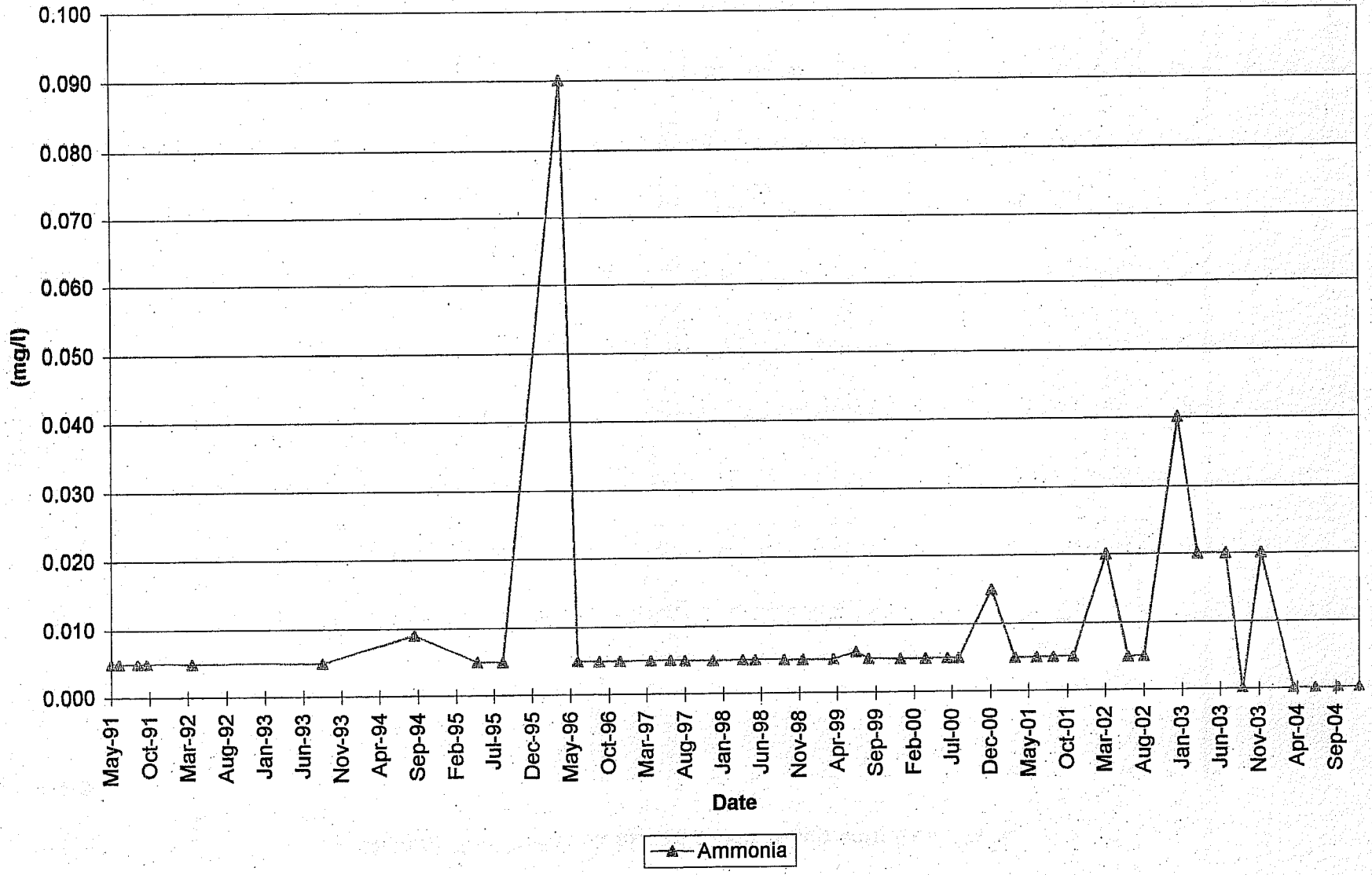


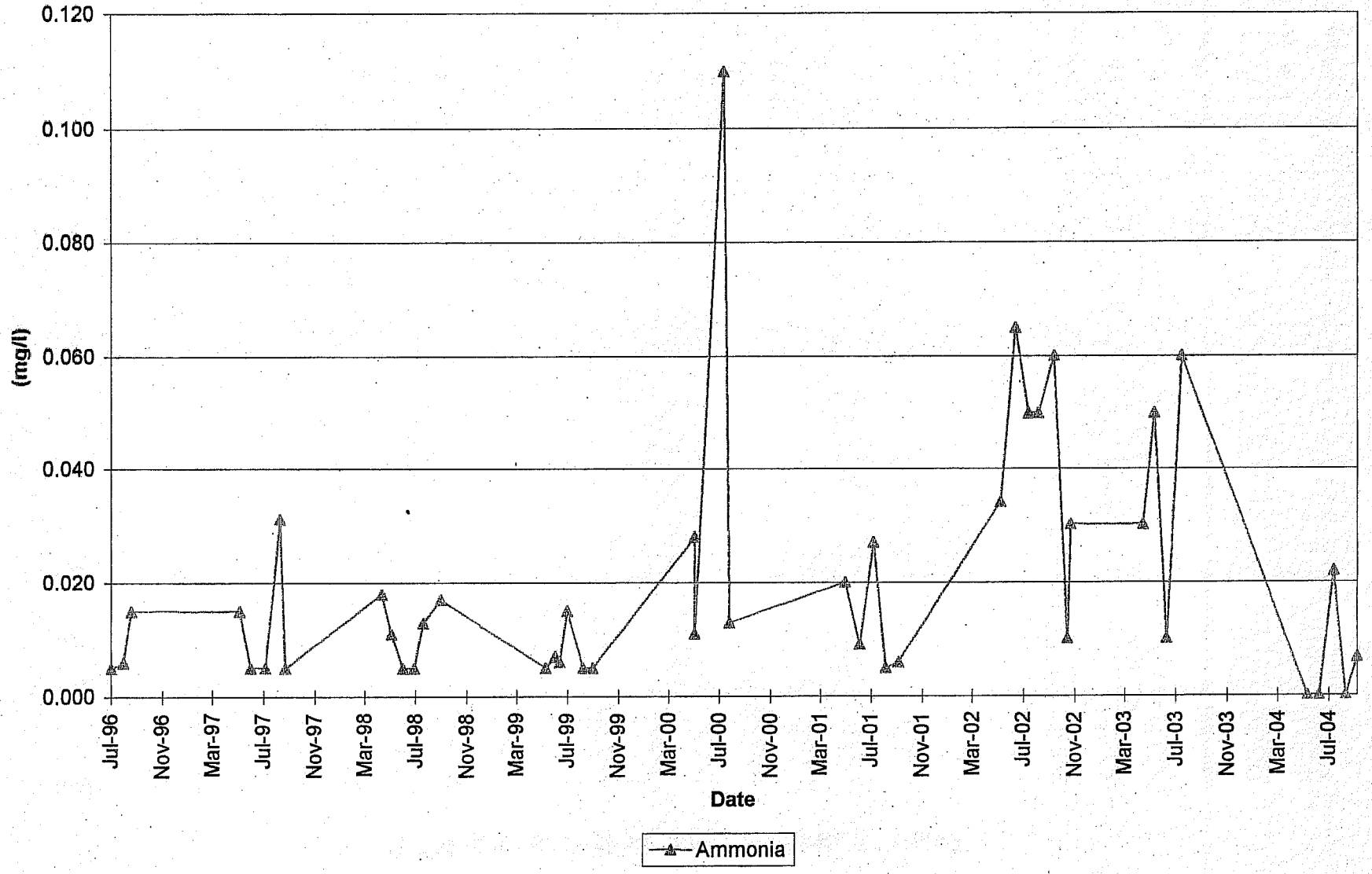

BC-04: Lucky Creek
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
(mg/l)
Apr-94
Aug-94
Dec-94
Apr-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Apr-04
Aug-04
Dec-04
Date
Ammonia

BC-05: Pacific Creek above Confluence with Lee Creek

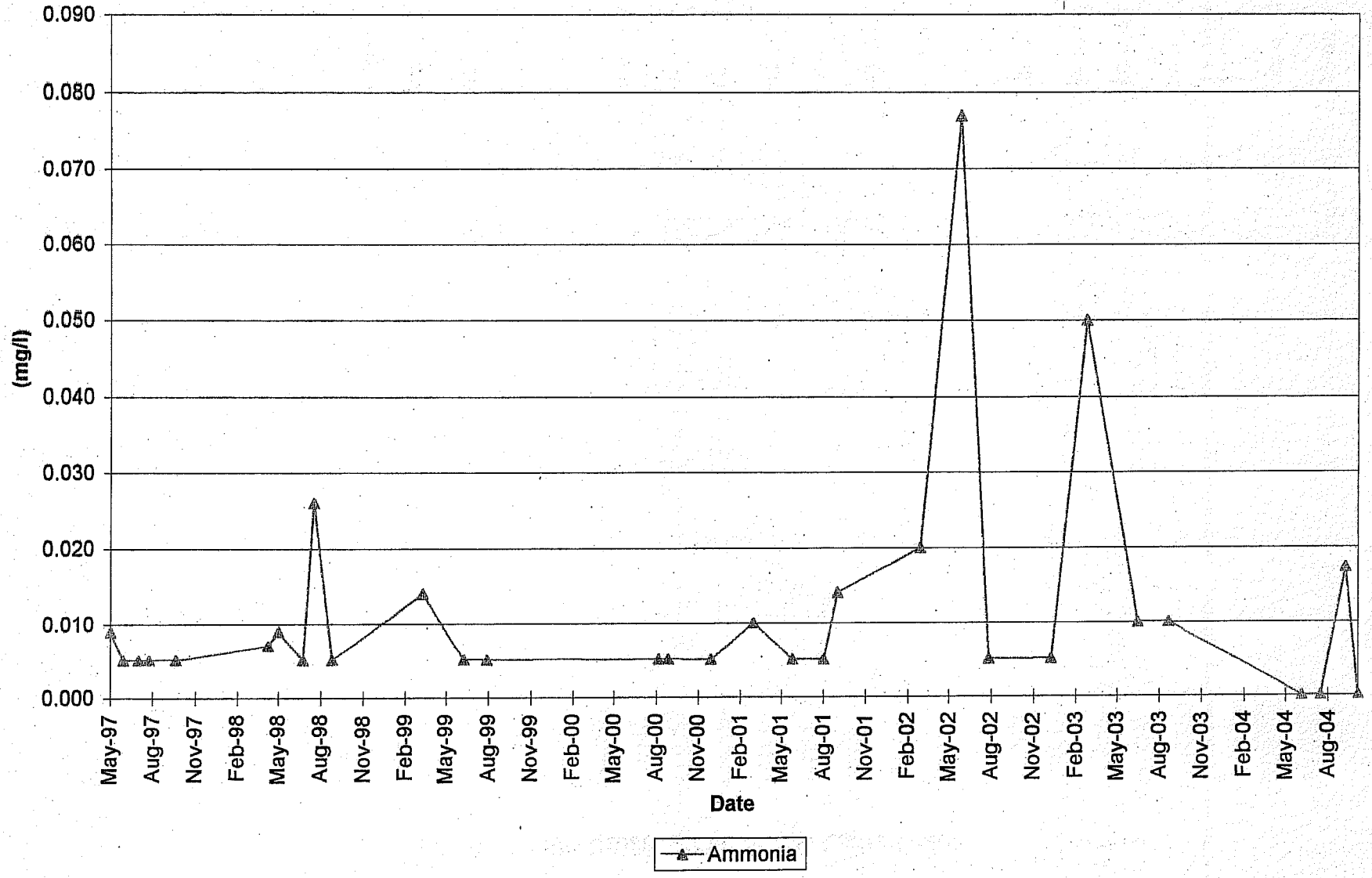


BC-06: S. Klondike d/s from confluence w/Lee Creek




BC-16: Pacific Gulch 300m above Laura Creek
0.120
0.100
0.080
0.060
0.040
0.020
0.000
(mg/l)
Jul-96
Nov-96
Mar-97
Jul-97
Nov-97
Mar-98
Jul-98
Nov-98
Mar-99
Jul-99
Nov-99
Mar-00
Jul-00
Nov-00
Mar-01
Jul-01
Nov-01
Mar-02
Jul-02
Nov-02
Mar-03
Jul-03
Nov-03
Mar-04
Jul-04
Date
Ammonia

BC-39: Laura Creek at confluence with S. Klondike



Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards[1]	File Reference	404050073	410020067	412180044
		Station	BC-19	BC-19	BC-19
		Date	30-Mar-04	24-Sep-04	13-Dec-04
m/sec		Water Level or Flow			
pH units		pH (field)			
pH units	6.0 - 9.5	pH (lab)	6.96	7.84	7.65
uS/cm		Conductivity (field)			
uS/cm		Conductivity (lab)	631	648	661
°C		Temperature (field)			
mg $CaCO_3$/L		Hardness	311	346	368
mg $CaCO_3$/L		Alkalinity	223	224	223
mg/L		Total Dissolved Solids	444	434	428
mg/L	50	Total Suspended Solids	45	80	15.5
mg/L		Chloride	0.6	<0.50	1.1
mg/L		Sulfate	150	146	160
mg /L	5.0	Ammonia	< 0.005	0.0133	0.0393
mg /L		Nitrate	0.25	0.153	0.255
mg/L	2.0	Total Cyanide	< 0.002	<0.025	<0.0050
mg/L	0.25	WAD Cyanide	< 0.002	<0.025	<0.0050
Dissolved Metals					
mg/L	1.0	Aluminum	0.005	< 0.005	< 0.005
mg/L	1.0	Antimony	0.0004	< 0.001	< 0.001
mg/L	0.5	Arsenic	0.0006	< 0.001	< 0.001
mg/L		Barium	0.0066	0.006	0.012
mg/L		Berylium	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001
mg/L		Boron	< 0.01	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.0002	< 0.0002	< 0.0002
mg/L		Calcium	60.4	63.9	82.4
mg/L	0.5	Chromium	< 0.0002	< 0.001	< 0.001
mg/L		Cobalt	< 0.0002	< 0.001	< 0.001
mg/L	0.2	Copper	0.0024	0.001	0.003
mg/L	1.0	Iron	< 0.01	0.14	0.31
mg/L	0.2	Lead	< 0.0002	< 0.001	< 0.001
mg/L		Lithium	0.025	0.026	0.033
mg/L		Magnesium	32.6	34.5	41.7
mg/L	2.0	Manganese	0.0039	0.009	0.011
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0001	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.0018	0.002	0.003
mg/L		Phosphorus	0.08	0.2	< 0.15
mg/L		Potassium	1.71	2	2.4
mg/L	0.05	Selenium	0.0018	0.003	< 0.001
mg/L		Silicon	14.4	16.8	20.3
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025
mg/L		Sodium	7.8	8.56	11
mg/L		Strontium	0.229	0.24	0.28
mg/L		Sulphur	46	39.7	44.3
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001
mg/L		Tin	0.0004	< 0.001	< 0.001
mg/L		Titanium	0.0006	< 0.001	< 0.001
mg/L		Uranium	< 0.0001	< 0.0005	< 0.0005
mg/L		Vanadium	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Zinc	0.029	0.012	0.026

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

Units	Water License Discharge Standards*	File Reference	404050074	406090204	406090216	406090219
		Station	BC-21	BC-21	BC-21	BC-21
		Date	29-Mar-04	7-Jun-04	7-Jun-04	7-Jun-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	6.87	6.83	-	-
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	182	225	-	-
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	67	87	-	-
mg $CaCO_3$/L		Alkalinity	74.5	74	-	-
mg/L		Total Dissolved Solids	102	146	-	-
mg/L	50	Total Suspended Solids	11	48	-	-
mg/L		Chloride	3.9	18	-	-
mg/L		Sulfate	18.3	25.9	-	-
mg /L	5.0	Ammonia	< 0.005	0.019	-	-
mg /L		Nitrate	0.65	0.94	-	-
mg/L	2.0	Total Cyanide	< 0.002	< 0.002	-	-
mg/L	0.25	WAD Cyanide	< 0.002	< 0.002	-	-
		Dissolved Metals				
mg/L	1.0	Aluminum	0.008	-	0.009	0.019
mg/L	1.0	Antimony	0.0006	-	< 0.001	< 0.001
mg/L	0.5	Arsenic	0.0026	-	0.003	0.004
mg/L		Barium	0.032	-	0.051	0.048
mg/L		Berylium	< 0.0002	-	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.0002	-	< 0.001	< 0.001
mg/L		Boron	< 0.01	-	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.00004	-	< 0.0002	< 0.0002
mg/L		Calcium	8.74	-	15.5	17.6
mg/L	0.5	Chromium	< 0.0002	-	< 0.001	< 0.001
mg/L		Cobalt	< 0.0002	-	< 0.001	< 0.001
mg/L	0.2	Copper	0.0022	-	0.002	0.002
mg/L	1.0	Iron	< 0.01	-	< 0.05	0.06
mg/L	0.2	Lead	< 0.0002	-	< 0.001	< 0.001
mg/L		Lithium	0.014	-	0.017	0.02
mg/L		Magnesium	9.3	-	11.7	13.2
mg/L	2.0	Manganese	0.0056	-	0.043	0.042
mg/L	0.005	Mercury	< 0.00002	-	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0001	-	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.002	-	0.012	0.011
mg/L		Phosphorus	0.03	-	< 0.15	0.2
mg/L		Potassium	1.65	-	2.2	2.5
mg/L	0.05	Selenium	0.013	-	0.013	0.016
mg/L		Silicon	9.62	-	11.5	13.3
mg/L	0.1	Silver	< 0.00005	-	< 0.00025	< 0.00025
mg/L		Sodium	7.24	-	8.25	8.36
mg/L		Strontium	0.054	-	0.082	0.093
mg/L		Sulphur	5.82	-	8.09	9.94
mg/L		Thallium	< 0.00002	-	< 0.0001	< 0.0001
mg/L		Tin	< 0.0002	-	< 0.001	< 0.001
mg/L		Titanium	0.0004	-	< 0.001	< 0.001
mg/L		Uranium	< 0.0001	-	< 0.0005	< 0.0005
mg/L		Vanadium	< 0.0002	-	< 0.001	< 0.001
mg/L	0.5	Zinc	0.01	-	0.033	0.036

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

Units	Water License Discharge Standards'	File Reference	406090220	410020068	412180045
		Station	BC-21	BC-21	BC-21
		Date	7-Jun-04	24-Sep-04	13-Dec-04
m/sec		Water Level or Flow			
pH units		pH (field)			
pH units	6.0 - 9.5	pH (lab)	-	7.83	7.47
uS/cm		Conductivity (field)			
uS/cm		Conductivity (lab)	-	278	297
°C		Temperature (field)			
mg $CaCO_3$/L		Hardness	-	496	128
mg $CaCO_3$/L		Alkalinity	-	117	63.8
mg/L		Total Dissolved Solids	-	132	178
mg/L	50	Total Suspended Solids	-	27	6
mg/L		Chloride	-	4.91	30.3
mg/L		Sulfate	-	22.8	40.3
mg /L	5.0	Ammonia	-	<0.0050	0.01
mg /L		Nitrate	-	0.455	0.663
mg/L	2.0	Total Cyanide	-	<0.025	<0.0050
mg/L	0.25	WAD Cyanide	-	<0.025	<0.0050
	Dissolved Metals				
mg/L	1.0	Aluminum	0.01	0.01	< 0.005
mg/L	1.0	Antimony	< 0.001	< 0.001	< 0.001
mg/L	0.5	Arsenic	0.004	0.004	0.003
mg/L		Barium	0.046	0.035	0.045
mg/L		Berylium	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002	< 0.0002
mg/L		Calcium	17.4	16.1	22.6
mg/L	0.5	Chromium	< 0.001	< 0.001	0.002
mg/L		Cobalt	< 0.001	< 0.001	< 0.001
mg/L	0.2	Copper	0.002	0.002	0.002
mg/L	1.0	Iron	0.06	0.1	0.07
mg/L	0.2	Lead	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.019	0.015	0.02
mg/L		Magnesium	13.2	16.8	17.4
mg/L	2.0	Manganese	0.042	0.029	0.053
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.01	0.004	0.012
mg/L		Phosphorus	0.2	< 0.15	< 0.15
mg/L		Potassium	2.5	2.2	2.5
mg/L	0.05	Selenium	0.016	0.016	0.015
mg/L		Silicon	13.1	10.4	15.2
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	8.29	8.35	9.15
mg/L		Strontium	0.091	0.091	0.11
mg/L		Sulphur	9.43	6.62	9.54
mg/L		Thallium	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001	< 0.001
mg/L		Uranium	< 0.0005	< 0.0005	< 0.0005
mg/L		Vanadium	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	0.036	0.016	0.035

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

Units	Water License Discharge Standards[1]	File Reference	404050084	406010341	406290346	406290346
		Station	BC-22	BC-22	BC-22	BC-22
		Date	30-Mar-04	26-May-04	22-Jun-04	22-Jun-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	5.91	5.65	5.72	
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	1370	10400	1670	
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	823	6390	805	
mg $CaCO_3$/L		Alkalinity	87.8	91.9	63.6	
mg/L		Total Dissolved Solids	1210	13000	1550	
mg/L	50	Total Suspended Solids	5	154	26	
mg/L		Chloride	1.9	5.4	0.99	
mg/L		Sulfate	828	8700	934	
mg /L	5.0	Ammonia	0.481	5.92	0.147	
mg /L		Nitrate	2.2	0.68	2.91	
mg/L	2.0	Total Cyanide	< 0.002	< 0.002	< 0.002	
mg/L	0.25	WAD Cyanide	< 0.002	< 0.002	< 0.002	
Dissolved Metals			DM	DM	TM	DM
mg/L	1.0	Aluminum	0.4	2.82	1.5	0.68
mg/L	1.0	Antimony	0.0008	< 0.001	< 0.001	< 0.001
mg/L	0.5	Arsenic	0.0038	0.004	0.003	0.003
mg/L		Barium	0.016	0.009	0.043	0.008
mg/L		Berylium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.01	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.0106	0.0025	0.016	0.015
mg/L		Calcium	222	280	234	215
mg/L	0.5	Chromium	0.0008	< 0.001	0.002	< 0.001
mg/L		Cobalt	0.0098	0.56	0.014	0.014
mg/L	0.2	Copper	0.006	0.003	0.005	0.003
mg/L	1.0	Iron	< 0.01	501	1.13	< 0.05
mg/L	0.2	Lead	0.0016	< 0.001	0.004	< 0.001
mg/L		Lithium	0.078	0.3	0.08	0.068
mg/L		Magnesium	75.2	1150	74.2	61
mg/L	2.0	Manganese	0.697	10.2	1.09	1
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0001	< 0.0005	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.134	3.57	0.17	0.16
mg/L		Phosphorus	0.15	< 0.15	0.2	< 0.15
mg/L		Potassium	4.13	16.1	4.5	3.5
mg/L	0.05	Selenium	0.084	0.021	0.086	0.082
mg/L		Silicon	32.1	12.3	34.7	27.9
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	15.8	107	16.1	13
mg/L		Strontium	0.343	0.71	0.36	0.33
mg/L		Sulphur	255	2570	309	288
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Titanium	0.0012	0.002	0.01	0.001
mg/L		Uranium	< 0.0001	0.0018	< 0.0005	< 0.0005
mg/L		Vanadium	< 0.0002	< 0.001	0.001	< 0.001
mg/L	0.5	Zinc	0.31	11.2	0.42	0.41

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards*	File Reference	408030117	408030117	409030245	409030245
		Station	BC-22	BC-22	BC-22	BC-22
		Date	28-Jul-04	28-Jul-04	27-Aug-04	27-Aug-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	6.19		5.84	
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	2100		2000	
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	908		886	
mg $CaCO_3$/L		Alkalinity	73.6		73.3	
mg/L		Total Dissolved Solids	1430		1440	
mg/L	50	Total Suspended Solids	21		17	
mg/L		Chloride	1.6		1.9	
mg/L		Sulfate	936		890	
mg /L	5.0	Ammonia	0.078		0.064	
mg /L		Nitrate	2.6		2.5	
mg/L	2.0	Total Cyanide	< 0.002		< 0.002	
mg/L	0.25	WAD Cyanide	< 0.002		< 0.002	
	Dissolved Metals		TM	DM	TM	DM
mg/L	1.0	Aluminum	1.02	0.39	0.85	0.47
mg/L	1.0	Antimony	0.002	< 0.001	0.001	< 0.001
mg/L	0.5	Arsenic	0.006	0.002	0.005	0.002
mg/L		Barium	0.047	0.015	0.028	0.012
mg/L		Berylium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.016	0.014	0.016	0.015
mg/L		Calcium	248	223	257	244
mg/L	0.5	Chromium	0.009	< 0.001	0.005	< 0.001
mg/L		Cobalt	0.015	0.014	0.014	0.013
mg/L	0.2	Copper	0.011	0.005	0.007	0.004
mg/L	1.0	Iron	3.98	0.27	1.52	0.14
mg/L	0.2	Lead	0.007	< 0.001	0.003	< 0.001
mg/L		Lithium	0.094	0.082	0.094	0.091
mg/L		Magnesium	84.1	73.7	83.4	78.2
mg/L	2.0	Manganese	1.14	1.01	1.14	1.08
mg/L	0.005	Mercury	0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005	< 0.0005	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.2	0.18	0.2	0.18
mg/L		Phosphorus	0.2	< 0.15	0.2	< 0.15
mg/L		Potassium	5.1	4.3	5.1	4.8
mg/L	0.05	Selenium	0.089	0.088	0.096	0.089
mg/L		Silicon	37.2	31.7	36.5	33.3
mg/L	0.1	Silver	0.0023	< 0.00025	0.0009	< 0.00025
mg/L		Sodium	19.3	16.8	18.7	17.6
mg/L		Strontium	0.43	0.39	0.42	0.4
mg/L		Sulphur	291	263	285	267
mg/L		Thallium	< 0.0001	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	0.003	< 0.001	0.001	< 0.001
mg/L		Titanium	0.01	0.001	0.006	0.001
mg/L		Uranium	< 0.0005	< 0.0005	< 0.0005	< 0.0005
mg/L		Vanadium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	0.48	0.44	0.45	0.42

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards*	File Reference	412180046
		Station	BC-22
		Date	13-Dec-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	6.60
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	1570
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	1120
mg $CaCO_3$/L		Alkalinity	75
mg/L		Total Dissolved Solids	1380
mg/L	50	Total Suspended Solids	3.5
mg/L		Chloride	4.12
mg/L		Sulfate	983
mg /L	5.0	Ammonia	0.046
mg /L		Nitrate	3.07
mg/L	2.0	Total Cyanide	0.0312
mg/L	0.25	WAD Cyanide	<0.0050
Dissolved Metals			DM
mg/L	1.0	Aluminum	0.43
mg/L	1.0	Antimony	< 0.001
mg/L	0.5	Arsenic	0.003
mg/L		Barium	0.012
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	0.016
mg/L		Calcium	249
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	0.013
mg/L	0.2	Copper	0.004
mg/L	1.0	Iron	1
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.098
mg/L		Magnesium	89
mg/L	2.0	Manganese	1.15
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005
mg/L	0.5	Nickel	0.18
mg/L		Phosphorus	< 0.15
mg/L		Potassium	5.3
mg/L	0.05	Selenium	0.097
mg/L		Silicon	37.7
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	20.2
mg/L		Strontium	0.41
mg/L		Sulphur	259
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	0.002
mg/L		Uranium	< 0.0005
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	0.42

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards'	File Reference	404050085	410020080	412180047
		Station	BC-27	BC-27	BC-27
		Date	30-Mar-04	23-Sep-04	13-Dec-04
m/sec		Water Level or Flow			
pH units		pH (field)			
pH units	6.0 - 9.5	pH (lab)	7.54	8.14	7.85
uS/cm		Conductivity (field)			
uS/cm		Conductivity (lab)	466	481	531
°C		Temperature (field)			
mg $CaCO_3$/L		Hardness	249	256	323
mg $CaCO_3$/L		Alkalinity	152	150	155
mg/L		Total Dissolved Solids	303	294	344
mg/L	50	Total Suspended Solids	13	15	8.5
mg/L		Chloride	0.5	0.76	1.2
mg/L		Sulfate	115	113	152
mg /L	5.0	Ammonia	0.024	0.111	0.0653
mg /L		Nitrate	< 0.005	0.0356	0.042
mg/L	2.0	Total Cyanide	< 0.002	<0.025	<0.0050
mg/L	0.25	WAD Cyanide	< 0.002	<0.025	<0.0050
Dissolved Metals					
mg/L	1.0	Aluminum	< 0.001	< 0.005	< 0.005
mg/L	1.0	Antimony	0.0007	0.001	0.002
mg/L	0.5	Arsenic	0.042	0.037	0.034
mg/L		Barium	0.018	0.018	0.021
mg/L		Berylium	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001
mg/L		Boron	< 0.01	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.00004	< 0.0002	< 0.0002
mg/L		Calcium	50	50.9	68.2
mg/L	0.5	Chromium	< 0.0002	< 0.001	< 0.001
mg/L		Cobalt	< 0.0002	< 0.001	< 0.001
mg/L	0.2	Copper	0.0014	< 0.001	< 0.001
mg/L	1.0	Iron	< 0.01	0.12	0.28
mg/L	0.2	Lead	< 0.0002	< 0.001	< 0.001
mg/L		Lithium	0.0071	0.007	0.009
mg/L		Magnesium	19.7	22.5	28.2
mg/L	2.0	Manganese	0.103	0.1	0.054
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0094	0.0098	0.011
mg/L	0.5	Nickel	0.0019	0.002	0.003
mg/L		Phosphorus	0.04	< 0.15	< 0.15
mg/L		Potassium	1.04	1.2	1.4
mg/L	0.05	Selenium	< 0.0002	< 0.001	< 0.001
mg/L		Silicon	6.38	6.5	8.4
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025
mg/L		Sodium	1.49	1.85	2.01
mg/L		Strontium	0.408	0.43	0.52
mg/L		Sulphur	36.1	33.3	38.7
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001
mg/L		Tin	< 0.0002	< 0.001	< 0.001
mg/L		Titanium	< 0.0002	< 0.001	< 0.001
mg/L		Uranium	0.0022	0.0038	0.0045
mg/L		Vanadium	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Zinc	0.013	0.005	0.011

Viceroy Minerals Corporation

Appendix B6.1

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards[1]	File Reference	404050098	406010346	408030139	409030260
		Station	BC-65	BC-65	BC-65	BC-65
		Date	30-Mar-04	26-May-04	28-Jul-04	27-Aug-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	8.28	8.58	8.36	8.28
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	410	292	332	343
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	175	134	146	148
mg $CaCO_3$/L		Alkalinity	174	143	133	139
mg/L		Total Dissolved Solids	265	244	230	224
mg/L	50	Total Suspended Solids	42	65	19	10
mg/L		Chloride	0.3	0.7	0.25	0.91
mg/L		Sulfate	58	55.3	54	50
mg /L	5.0	Ammonia	< 0.005	< 0.005	0.013	< 0.005
mg /L		Nitrate	0.28	0.27	0.25	0.18
mg/L	2.0	Total Cyanide	< 0.002	< 0.002	< 0.002	<0.025
mg/L	0.25	WAD Cyanide	< 0.002	< 0.002	< 0.002	<0.010
		Disolved Metals				
mg/L	1.0	Aluminum	0.007	0.015	0.007	0.008
mg/L	1.0	Antimony	0.012	0.025	0.009	0.007
mg/L	0.5	Arsenic	0.0035	0.004	0.004	0.002
mg/L		Barium	0.01	0.007	0.01	0.008
mg/L		Berylium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.01	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.00004	< 0.0002	< 0.0002	< 0.0002
mg/L		Calcium	47.8	40.3	45.3	46
mg/L	0.5	Chromium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	0.0014	< 0.001	< 0.001	< 0.001
mg/L	0.2	Copper	0.0009	< 0.001	< 0.001	< 0.001
mg/L	1.0	Iron	< 0.01	< 0.05	< 0.05	0.05
mg/L	0.2	Lead	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.034	0.032	0.038	0.034
mg/L		Magnesium	9.38	8.01	8.89	7.65
mg/L	2.0	Manganese	0.329	0.14	0.15	0.17
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0014	0.0014	0.0011	0.0008
mg/L	0.5	Nickel	0.0041	0.002	0.003	0.004
mg/L		Phosphorus	3.29	3	3.3	2.4
mg/L		Potassium	1.79	1.7	1.9	1.9
mg/L	0.05	Selenium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Silicon	13.3	12.8	17.3	14.3
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	16.9	12.1	15	10.6
mg/L		Strontium	0.27	0.24	0.27	0.25
mg/L		Sulphur	17.7	15.8	16.1	15.2
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Titanium	0.0013	0.001	0.001	< 0.001
mg/L		Uranium	0.0005	< 0.0005	< 0.0005	< 0.0005
mg/L		Vanadium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	0.004	< 0.005	< 0.005	< 0.005

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards*	File Reference	411260087
		Station	BC-65
		Date	18-Nov-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	7.79
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	373
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	162
mg $CaCO_3$/L		Alkalinity	158
mg/L		Total Dissolved Solids	236
mg/L	50	Total Suspended Solids	23.5
mg/L		Chloride	<0.50
mg/L		Sulfate	50.3
mg /L	5.0	Ammonia	<0.0050
mg /L		Nitrate	0.304
mg/L	2.0	Total Cyanide	<0.012
mg/L	0.25	WAD Cyanide	<0.012
	Disolved Metals		
mg/L	1.0	Aluminum	0.015
mg/L	1.0	Antimony	0.005
mg/L	0.5	Arsenic	0.002
mg/L		Barium	0.009
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	< 0.0002
mg/L		Calcium	48.9
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	< 0.001
mg/L	0.2	Copper	0.002
mg/L	1.0	Iron	< 0.05
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.039
mg/L		Magnesium	8.83
mg/L	2.0	Manganese	0.32
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	0.0007
mg/L	0.5	Nickel	0.006
mg/L		Phosphorus	2.5
mg/L		Potassium	1.7
mg/L	0.05	Selenium	< 0.001
mg/L		Silicon	16.8
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	9.85
mg/L		Strontium	0.26
mg/L		Sulphur	13.7
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	< 0.001
mg/L		Uranium	< 0.0005
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	< 0.005

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards[4]	File Reference	404050099	406010349	408030158	U7314-02
		Station	BC-66	BC-66	BC-66	BC-66
		Date	30-Mar-04	26-May-04	28-Jul-04	19-Aug-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.42	7.38	7.40	
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	1120	1000	834	
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	115	499	303	
mg $CaCO_3$/L		Alkalinity	180	152	102	
mg/L		Total Dissolved Solids	723	822	531	
mg/L	50	Total Suspended Solids	409	311	36	
mg/L		Chloride	15.3	13.7	11.1	
mg/L		Sulfate	20.7	24.2	26.6	
mg /L	5.0	Ammonia	< 0.005	< 0.005	0.028	
mg /L		Nitrate	103	114	78	
mg/L	2.0	Total Cyanide	0.072	0.2	2.87	0.179
mg/L	0.25	WAD Cyanide	0.051	0.117	1.47	0.037
		Dissolved Metals				
mg/L	1.0	Aluminum	0.082	0.026	0.039	
mg/L	1.0	Antimony	0.0012	< 0.001	< 0.001	
mg/L	0.5	Arsenic	0.0058	0.001	0.001	
mg/L		Barium	0.046	0.075	0.066	
mg/L		Berylium	< 0.0002	< 0.001	< 0.001	
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001	
mg/L		Boron	< 0.01	< 0.05	< 0.05	
mg/L	0.1	Cadmium	0.00098	< 0.0002	0.0002	
mg/L		Calcium	27.8	94.3	67.5	
mg/L	0.5	Chromium	0.0011	< 0.001	< 0.001	
mg/L		Cobalt	0.0042	0.31	0.2	
mg/L	0.2	Copper	0.0065	0.001	0.004	
mg/L	1.0	Iron	0.11	0.09	0.07	
mg/L	0.2	Lead	< 0.0002	< 0.001	< 0.001	
mg/L		Lithium	0.024	0.019	0.016	
mg/L		Magnesium	7.03	56.2	34.3	
mg/L	2.0	Manganese	0.084	0.008	0.019	
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	
mg/L	0.5	Molybdenum	0.0012	< 0.0005	< 0.0005	
mg/L	0.5	Nickel	0.014	0.002	0.002	
mg/L		Phosphorus	5.65	0.7	3	
mg/L		Potassium	2.37	2.5	2.1	
mg/L	0.05	Selenium	0.033	0.025	0.022	
mg/L		Silicon	26.9	9.7	13.4	
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025	
mg/L		Sodium	21.3	17.7	36.2	
mg/L		Strontium	0.127	0.49	0.34	
mg/L		Sulphur	7.67	7.7	8.23	
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001	
mg/L		Tin	0.0013	< 0.001	< 0.001	
mg/L		Titanium	0.0026	0.002	0.002	
mg/L		Uranium	< 0.0001	< 0.0005	< 0.0005	
mg/L		Vanadium	0.0008	< 0.001	< 0.001	
mg/L	0.5	Zinc	0.036	0.012	0.028	

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards*	File Reference	409030261	411260088
		Station	BC-66	BC-66
		Date	27-Aug-04	18-Nov-04
m/sec		Water Level or Flow		
pH units		pH (field)		
pH units	6.0 - 9.5	pH (lab)	7.18	7.63
uS/cm		Conductivity (field)		
uS/cm		Conductivity (lab)	999	968
°C		Temperature (field)		
mg $CaCO_3$/L		Hardness	413	354
mg $CaCO_3$/L		Alkalinity	121	147
mg/L		Total Dissolved Solids	722	646
mg/L	50	Total Suspended Solids	32	112
mg/L		Chloride	10	11.8
mg/L		Sulfate	25.7	26
mg /L	5.0	Ammonia	< 0.005	<0.0050
mg /L		Nitrate	86.1	81.9
mg/L	2.0	Total Cyanide	0.045	0.064
mg/L	0.25	WAD Cyanide	0.046	0.029
		Dissolved Metals		
mg/L	1.0	Aluminum	0.014	0.026
mg/L	1.0	Antimony	< 0.001	< 0.001
mg/L	0.5	Arsenic	0.002	0.002
mg/L		Barium	0.069	0.075
mg/L		Berylium	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.0003	< 0.0002
mg/L		Calcium	83.8	103
mg/L	0.5	Chromium	< 0.001	< 0.001
mg/L		Cobalt	0.27	0.36
mg/L	0.2	Copper	0.004	0.001
mg/L	1.0	Iron	0.13	0.11
mg/L	0.2	Lead	< 0.001	< 0.001
mg/L		Lithium	0.02	0.027
mg/L		Magnesium	44.8	67.2
mg/L	2.0	Manganese	0.021	0.007
mg/L	0.005	Mercury	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.005	0.002
mg/L		Phosphorus	4.2	0.8
mg/L		Potassium	2.6	2.7
mg/L	0.05	Selenium	0.027	0.032
mg/L		Silicon	11.8	12.7
mg/L	0.1	Silver	< 0.00025	< 0.00025
mg/L		Sodium	28.7	21.7
mg/L		Strontium	0.43	0.54
mg/L		Sulphur	8.77	7.43
mg/L		Thallium	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001
mg/L		Titanium	0.001	< 0.001
mg/L		Uranium	< 0.0005	0.0006
mg/L		Vanadium	< 0.001	< 0.001
mg/L	0.5	Zinc	0.029	0.008

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

GroundWater Stations

Units	Water License Discharge Standards*	File Reference	406010350	U8950r-26
		Station	BC-67	BC-67
		Date	27-May-04	24-Sep-04
m/sec		Water Level or Flow		
pH units		pH (field)		
pH units	6.0 - 9.5	pH (lab)	7.61	8.17
uS/cm		Conductivity (field)		
uS/cm		Conductivity (lab)	500	551
°C		Temperature (field)		
mg $CaCO_3$/L		Hardness	234	191
mg $CaCO_3$/L		Alkalinity	266	276
mg/L		Total Dissolved Solids	316	335
mg/L	50	Total Suspended Solids	3100	5260
mg/L		Chloride	1.3	<0.50
mg/L		Sulfate	44.2	43.6
mg /L	5.0	Ammonia	0.011	<0.0050
mg /L		Nitrate	0.82	<0.0050
mg/L	2.0	Total Cyanide	-	-
mg/L	0.25	WAD Cyanide	-	-
		Dissolved Metals	DM	
mg/L	1.0	Aluminum	0.028	
mg/L	1.0	Antimony	0.052	
mg/L	0.5	Arsenic	0.001	
mg/L		Barium	0.069	
mg/L		Berylium	< 0.001	
mg/L	0.5	Bismuth	< 0.001	
mg/L		Boron	< 0.05	
mg/L	0.1	Cadmium	< 0.0002	
mg/L		Calcium	60	
mg/L	0.5	Chromium	< 0.001	
mg/L		Cobalt	0.001	
mg/L	0.2	Copper	< 0.001	
mg/L	1.0	Iron	0.16	
mg/L	0.2	Lead	< 0.001	
mg/L		Lithium	0.005	
mg/L		Magnesium	24	
mg/L	2.0	Manganese	0.45	
mg/L	0.005	Mercury	< 0.00002	
mg/L	0.5	Molybdenum	< 0.0005	
mg/L	0.5	Nickel	0.005	
mg/L		Phosphorus	< 0.15	
mg/L		Potassium	1.3	
mg/L	0.05	Selenium	< 0.001	
mg/L		Silicon	7.3	
mg/L	0.1	Silver	< 0.00025	
mg/L		Sodium	2.05	
mg/L		Strontium	0.31	
mg/L		Sulphur	11.9	
mg/L		Thallium	< 0.0001	
mg/L		Tin	< 0.001	
mg/L		Titanium	0.003	
mg/L		Uranium	0.001	
mg/L		Vanadium	< 0.001	
mg/L	0.5	Zinc	0.019	

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

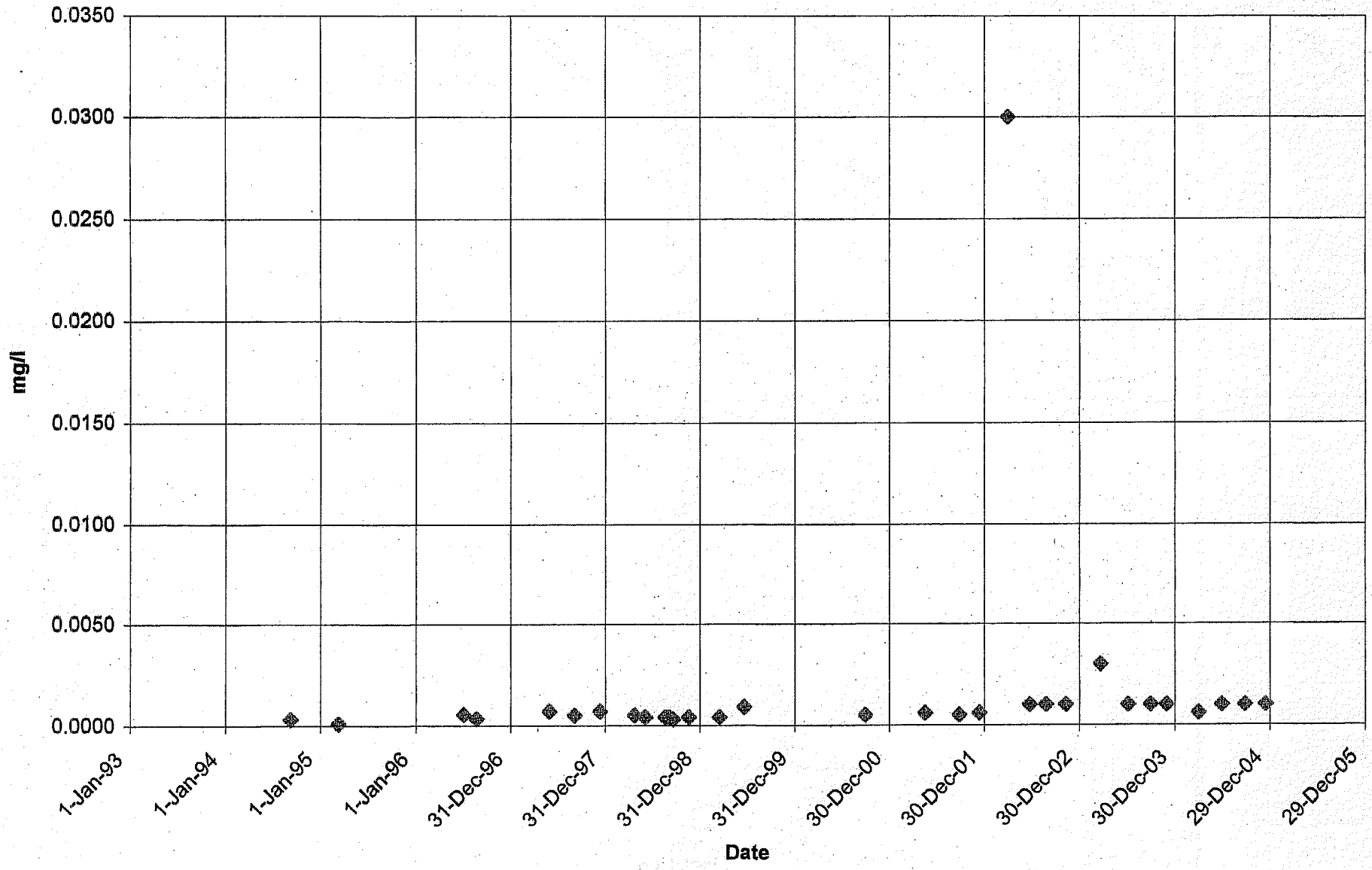
GroundWater Stations

Units	Water License Discharge Standards'	File Reference	406010352
		Station	BC-68
		Date	27-May-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	-
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	-
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	-
mg $CaCO_3$/L		Alkalinity	-
mg/L		Total Dissolved Solids	-
mg/L	50	Total Suspended Solids	-
mg/L		Chloride	-
mg/L		Sulfate	-
mg /L	5.0	Ammonia	0.21
mg /L		Nitrate	-
mg/L	2.0	Total Cyanide	-
mg/L	0.25	WAD Cyanide	-
		Dissolved Metals	
mg/L	1.0	Aluminum	< 0.005
mg/L	1.0	Antimony	0.23
mg/L	0.5	Arsenic	0.017
mg/L		Barium	0.017
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	0.0007
mg/L		Calcium	224
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	0.047
mg/L	0.2	Copper	0.041
mg/L	1.0	Iron	0.14
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.012
mg/L		Magnesium	99.8
mg/L	2.0	Manganese	1.78
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	0.0043
mg/L	0.5	Nickel	0.23
mg/L		Phosphorus	< 0.15
mg/L		Potassium	7.9
mg/L	0.05	Selenium	0.002
mg/L		Silicon	5.8
mg/L	0.1	Silver	0.0016
mg/L		Sodium	2.32
mg/L		Strontium	0.59
mg/L		Sulphur	249
mg/L		Thallium	0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	< 0.001
mg/L		Uranium	0.03
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	0.09

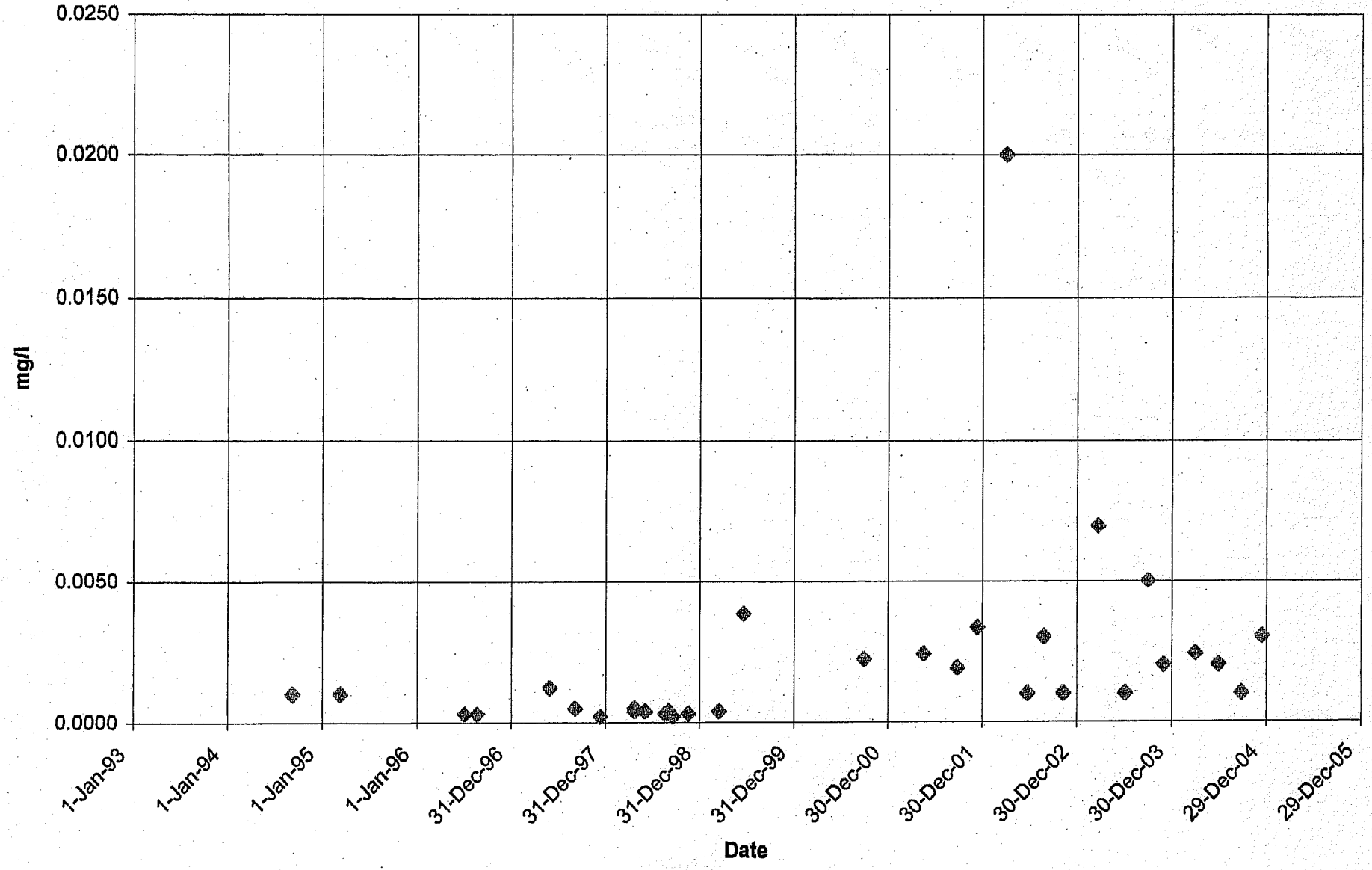
Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

Units	Water License Discharge Standards*	File Reference / Station / Date	U3369-5 Blue Lysimeter 10-May-04	407310126 Blue Lysimeter 26-Jul-04	411010231 Blue Lysimeter 24-Oct-04
m/sec		Water Level or Flow			
pH units		pH (field)			
pH units	6.0 - 9.5	pH (lab)	7.73	7.36	7.84
uS/cm		Conductivity (field)			
uS/cm		Conductivity (lab)	469	875	726
°C		Temperature (field)			
mg $CaCO_3$/L		Hardness	205	356	369
mg $CaCO_3$/L		Alkalinity	69.6	329	224
mg/L		Total Dissolved Solids	354	521	462
mg/L	50	Total Suspended Solids	18	53	4.5
mg/L		Chloride	55	36.8	33.7
mg/L		Sulfate	50.5	65.7	71.8
mg /L	5.0	Ammonia	0.734	< 0.005	0.0093
mg /L		Nitrate	5.77	0.5	11.5
mg/L	2.0	Total Cyanide	-	-	-
mg/L	0.25	WAD Cyanide	-	-	-
		Dissolved Metals			
mg/L	1.0	Aluminum	0.0546	< 0.005	< 0.005
mg/L	1.0	Antimony	0.0448	0.052	0.05
mg/L	0.5	Arsenic	0.0434	0.13	0.094
mg/L		Barium	0.151	0.25	0.21
mg/L		Berylium	<0.00050	< 0.001	< 0.001
mg/L	0.5	Bismuth	<0.00050	< 0.001	< 0.001
mg/L		Boron	0.013	< 0.05	< 0.05
mg/L	0.1	Cadmium	<0.000050	< 0.0002	0.0004
mg/L		Calcium	60.2	129	102
mg/L	0.5	Chromium	0.00345	< 0.001	< 0.001
mg/L		Cobalt	0.00079	0.003	< 0.001
mg/L	0.2	Copper	0.00065	< 0.001	< 0.001
mg/L	1.0	Iron	0.136	0.11	0.07
mg/L	0.2	Lead	0.00016	< 0.001	< 0.001
mg/L		Lithium	<0.0050	0.002	< 0.001
mg/L		Magnesium	13.3	21.3	21.7
mg/L	2.0	Manganese	0.094	0.27	0.14
mg/L	0.005	Mercury	0.000138	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.00514	0.0022	0.0032
mg/L	0.5	Nickel	0.00199	0.008	0.008
mg/L		Phosphorus	<0.30	< 0.15	< 0.15
mg/L		Potassium	3.7	2.3	2.8
mg/L	0.05	Selenium	0.0119	0.008	0.006
mg/L		Silicon	5.96	8.9	14.1
mg/L	0.1	Silver	<0.000010	< 0.00025	< 0.00025
mg/L		Sodium	4.9	4.41	4.02
mg/L		Strontium	0.293	0.58	0.53
mg/L		Sulphur	22.3	22.9	
mg/L		Thallium	0.00016	< 0.0001	< 0.0001
mg/L		Tin	<0.00010	< 0.001	< 0.001
mg/L		Titanium	<0.010	< 0.001	< 0.001
mg/L		Uranium	0.000668	0.0028	0.0022
mg/L		Vanadium	<0.0010	< 0.001	< 0.001
mg/L	0.5	Zinc	0.0881	0.043	0.017

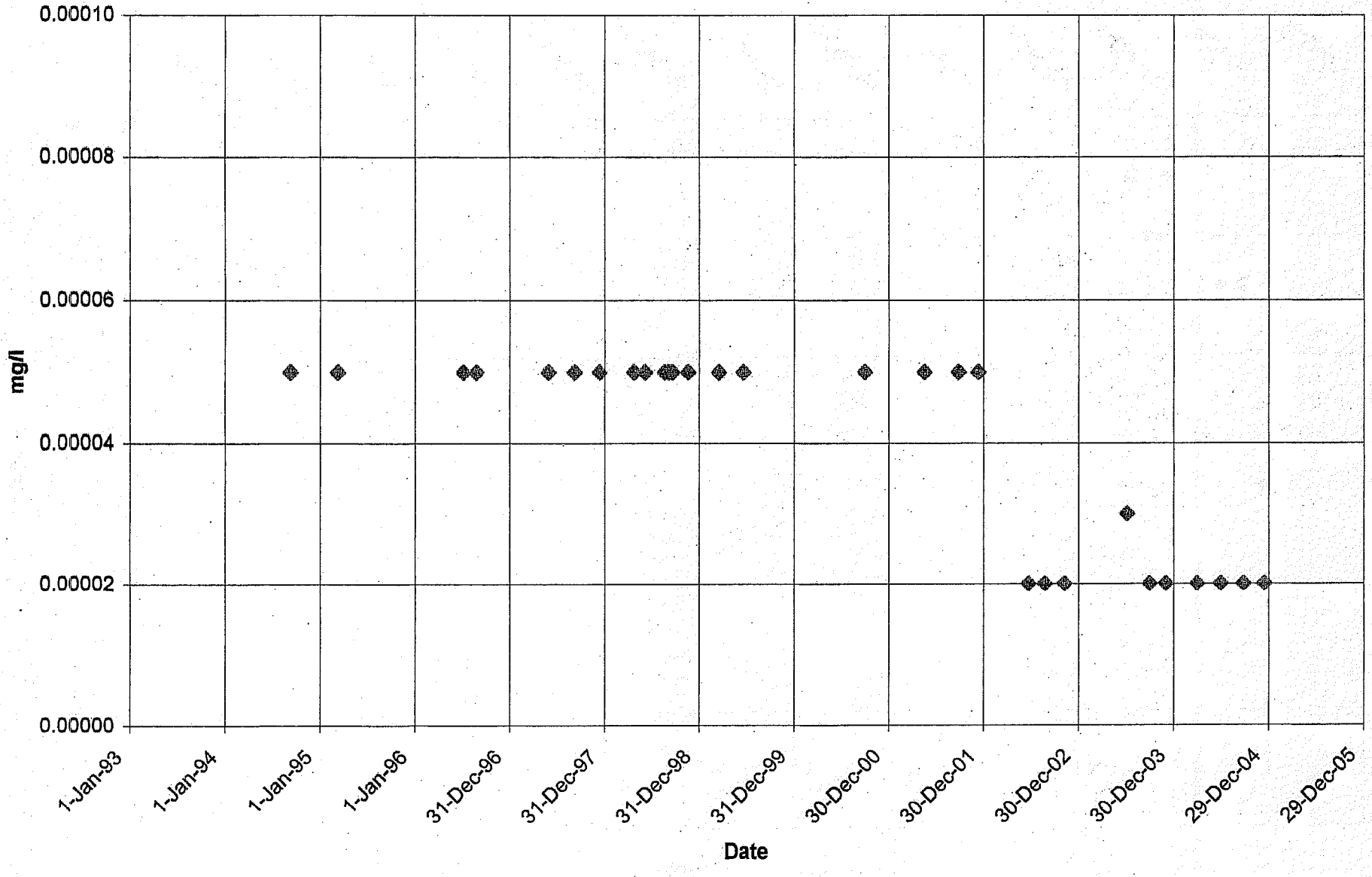
BC-19 (Piezometer RC94-843)
Arsenic

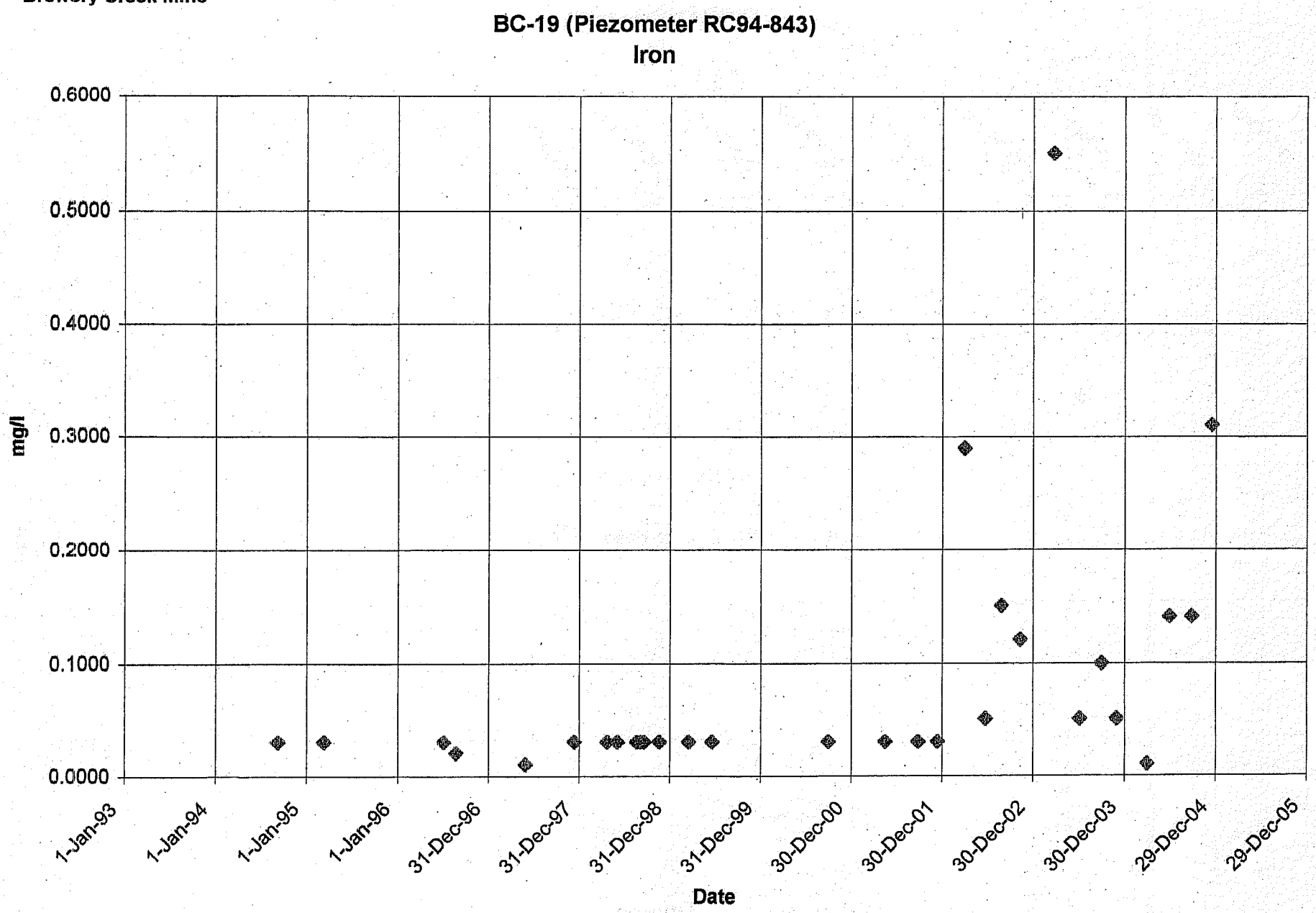


BC-19 (Piezometer RC94-843)
Copper

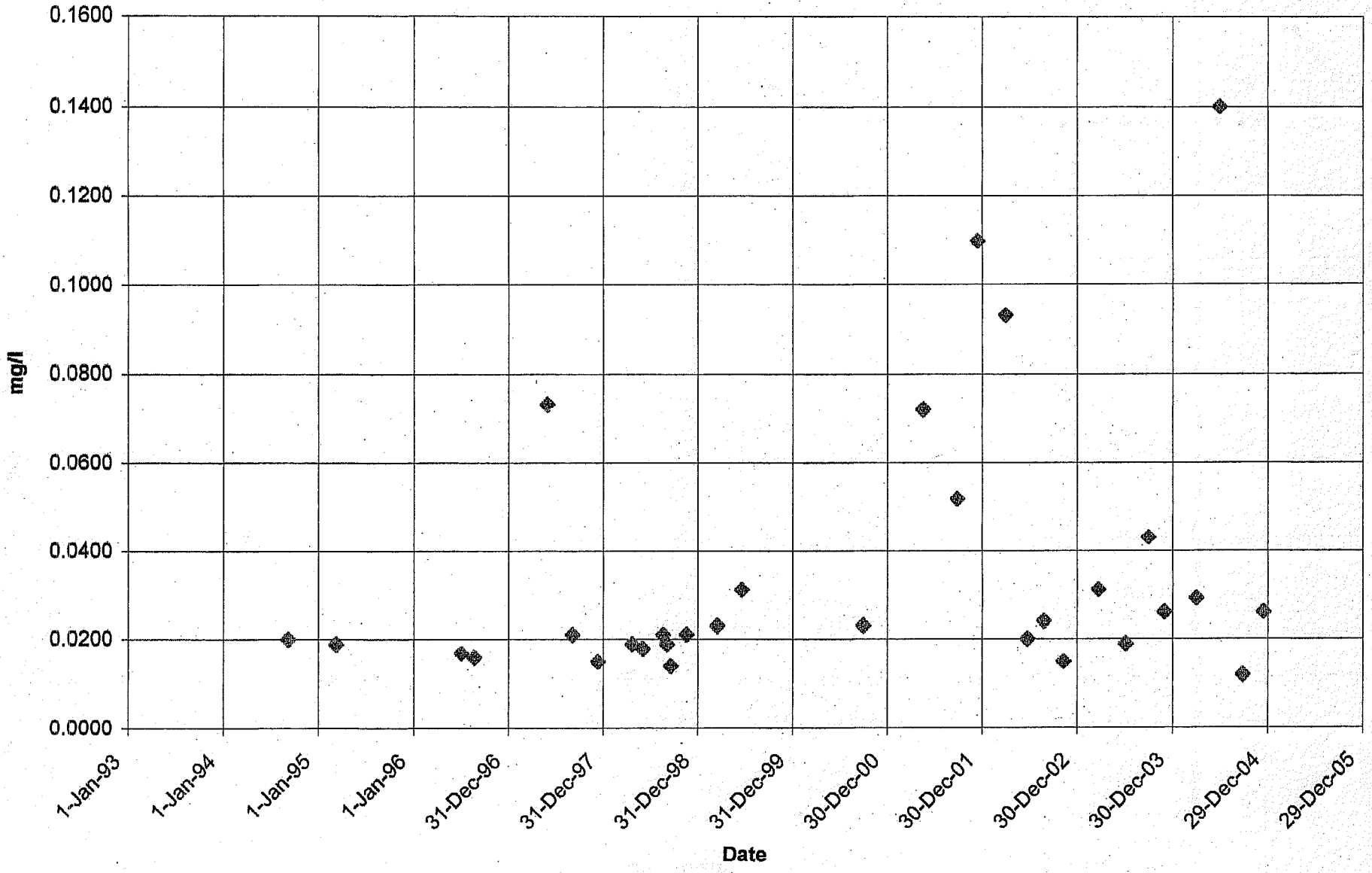


BC-19 (Piezometer RC94-843)
Mercury

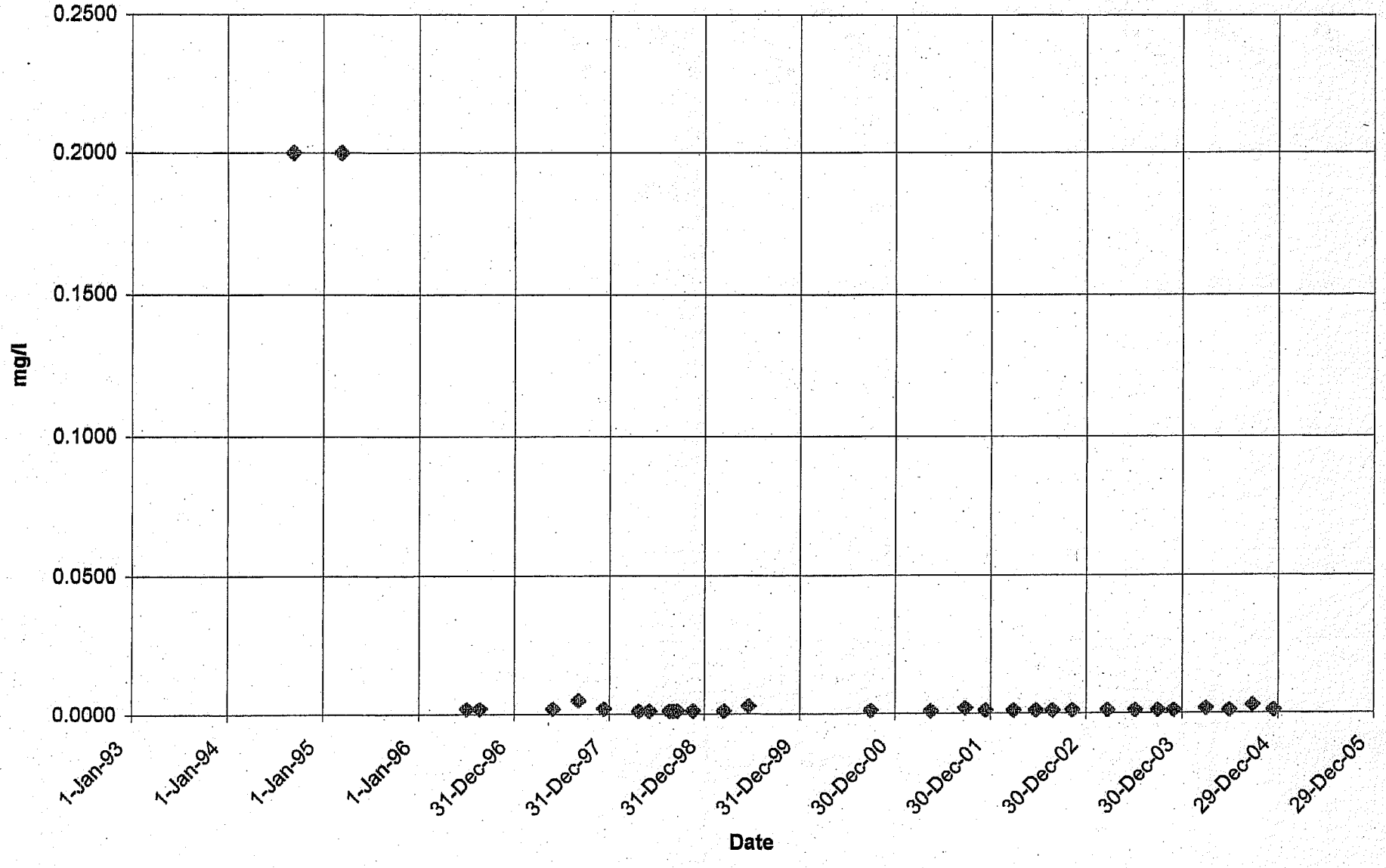


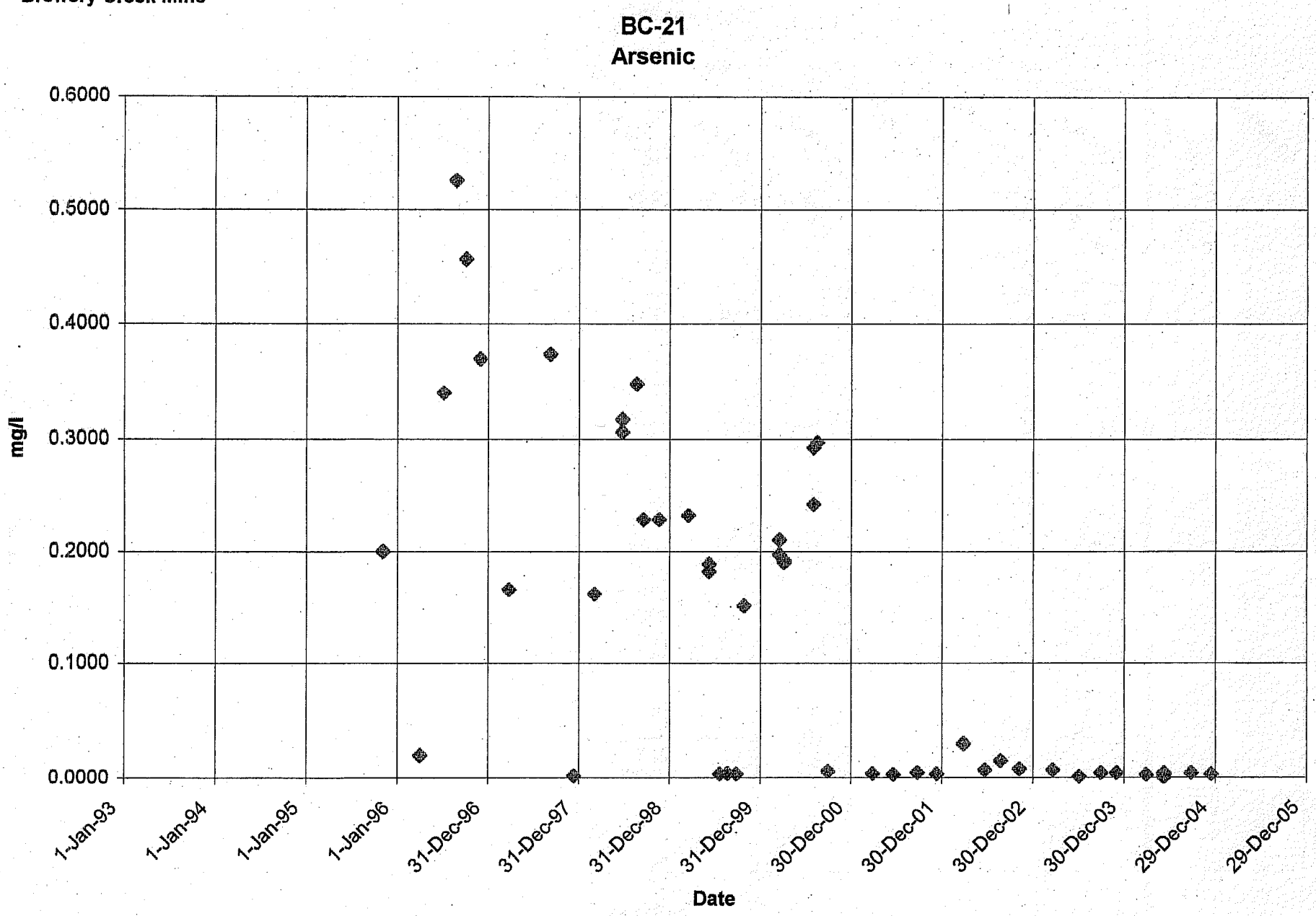

BC-19 (Piezometer RC94-843)
Iron
0.6000
0.5000
0.4000
0.3000
0.2000
0.1000
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

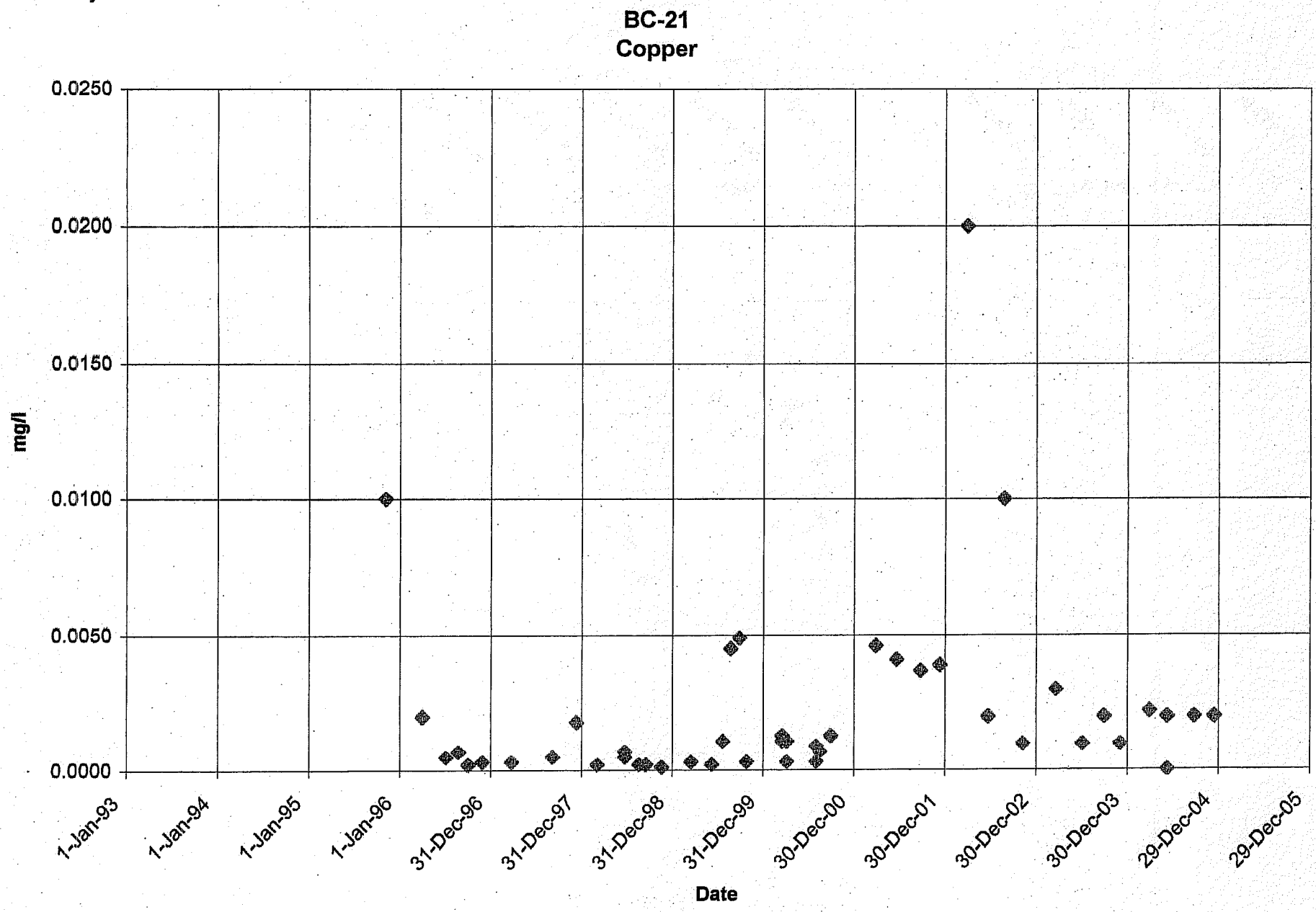
BC-19 (Piezometer RC94-843)
Zinc

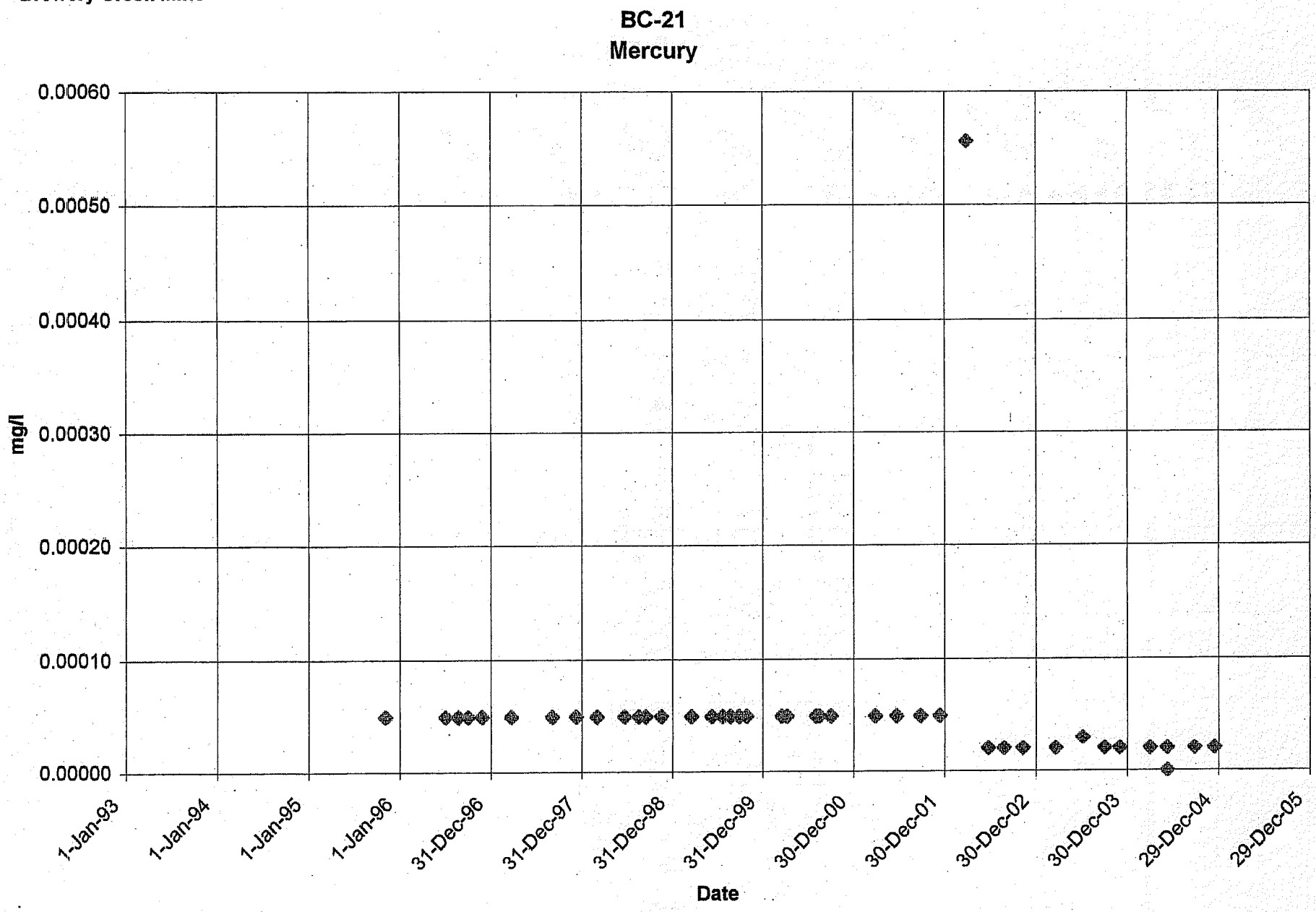


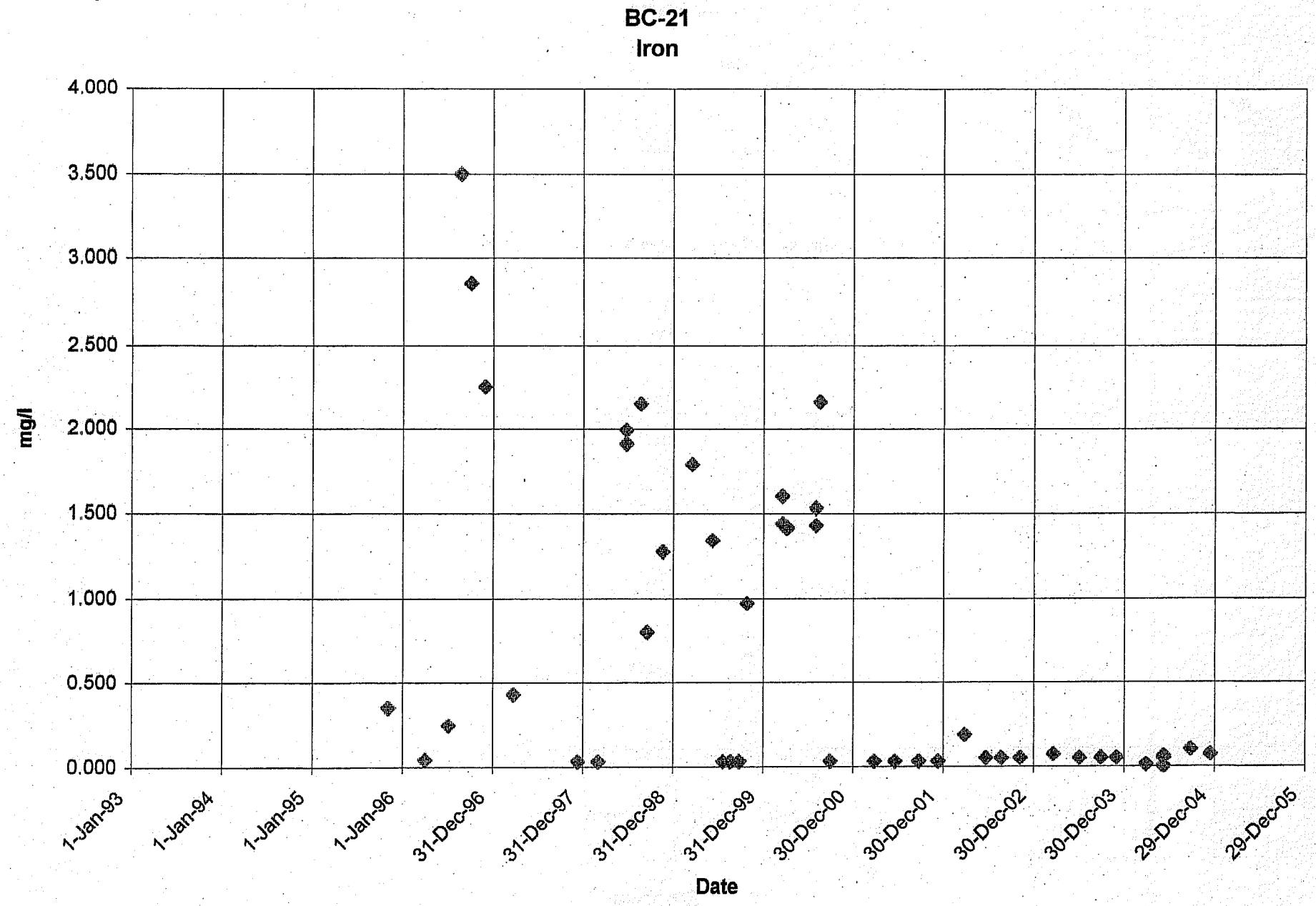
BC-19 (Piezometer RC94-843)
Selenium

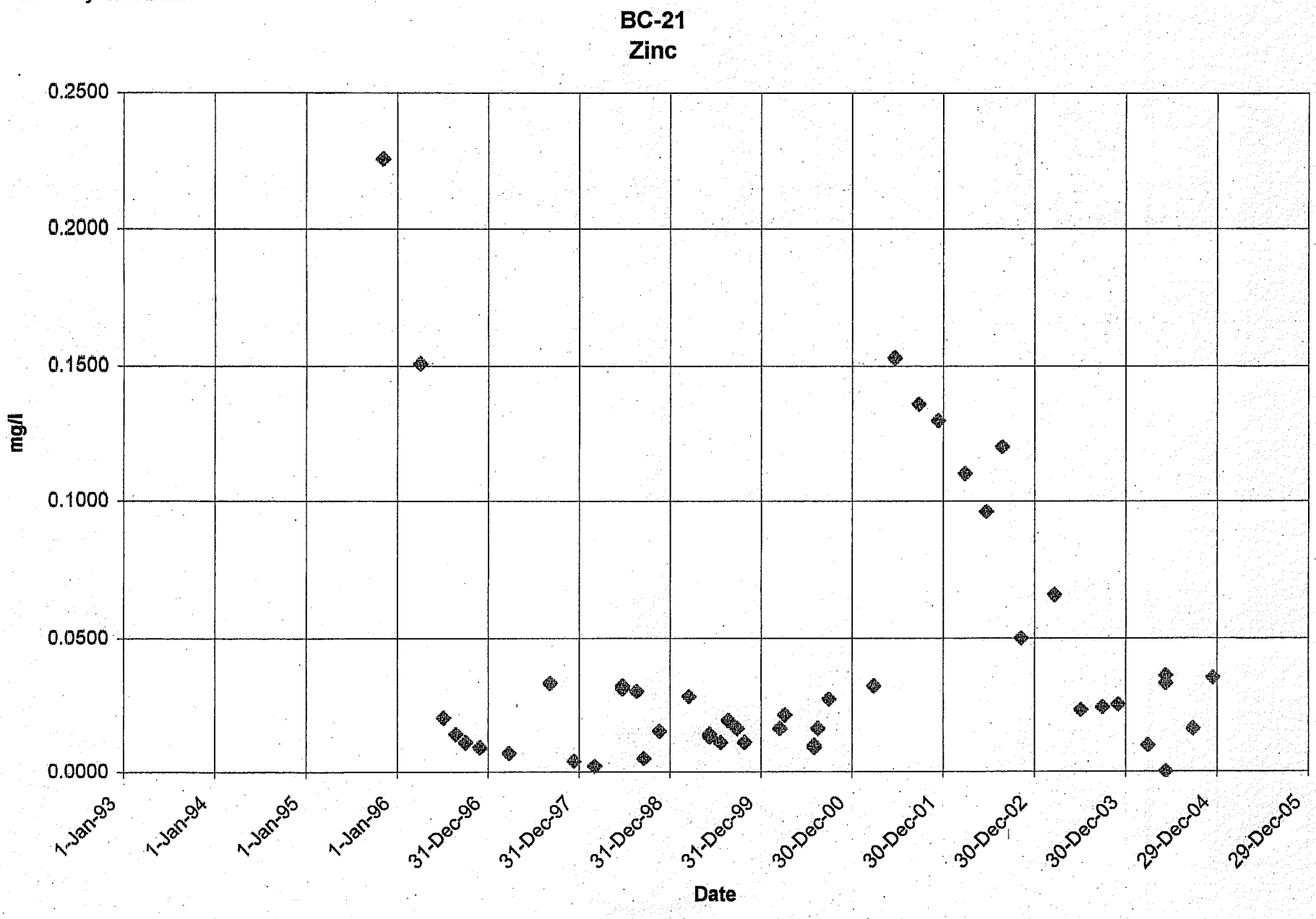


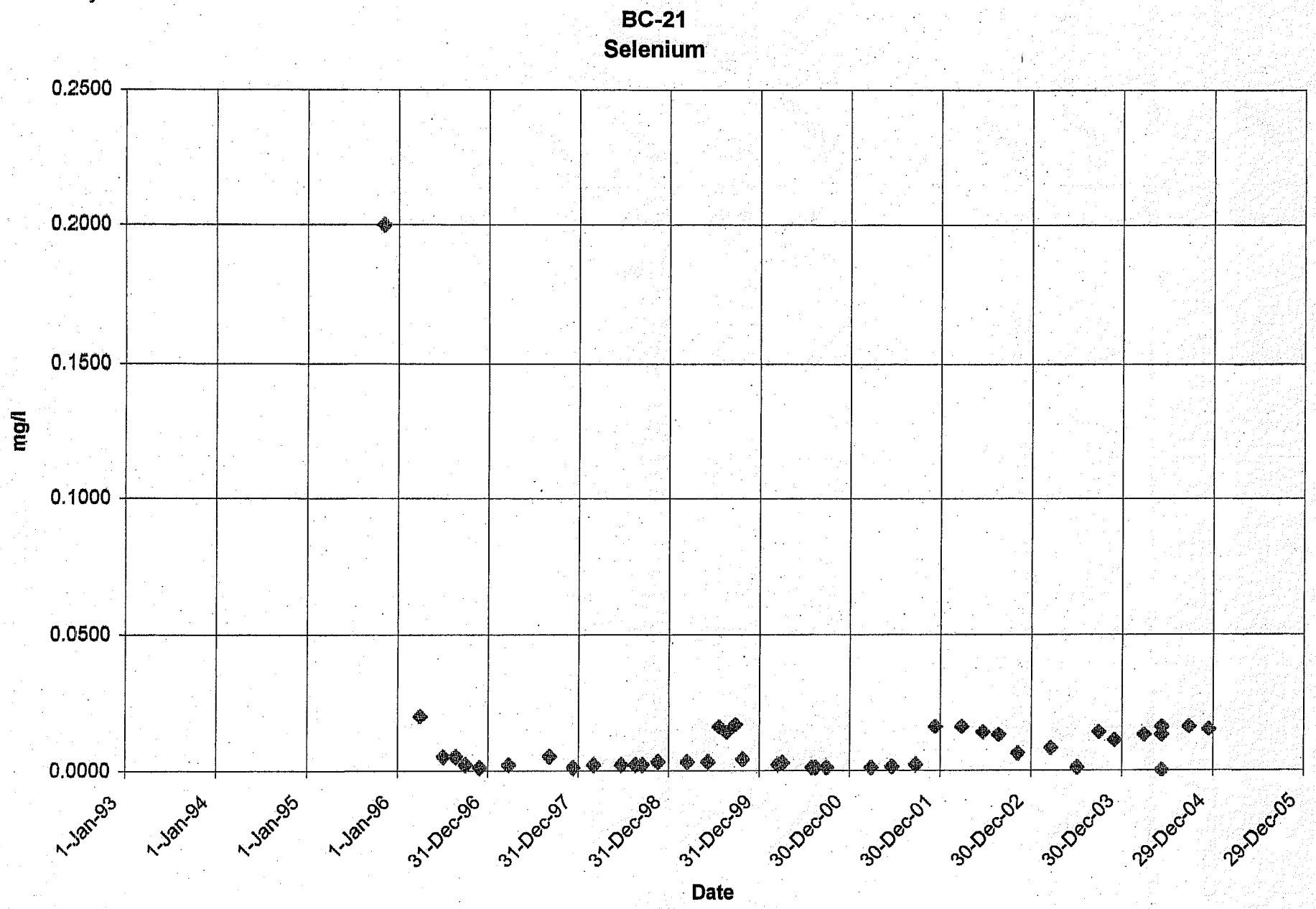

BC-21
Arsenic
0.6000
0.5000
0.4000
0.3000
0.2000
0.1000
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

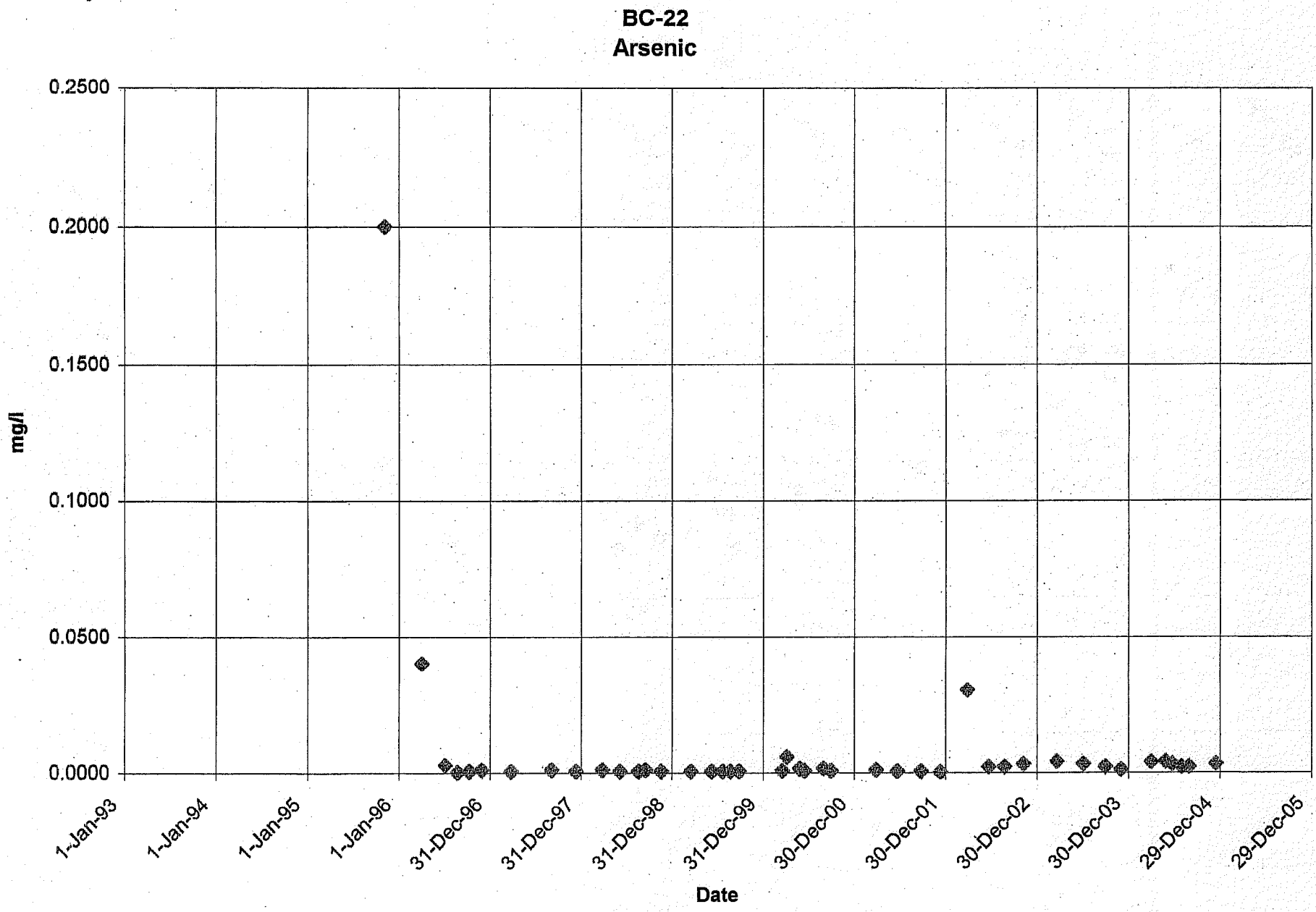

BC-21
Copper
0.0250
0.0200
0.0150
0.0100
0.0050
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

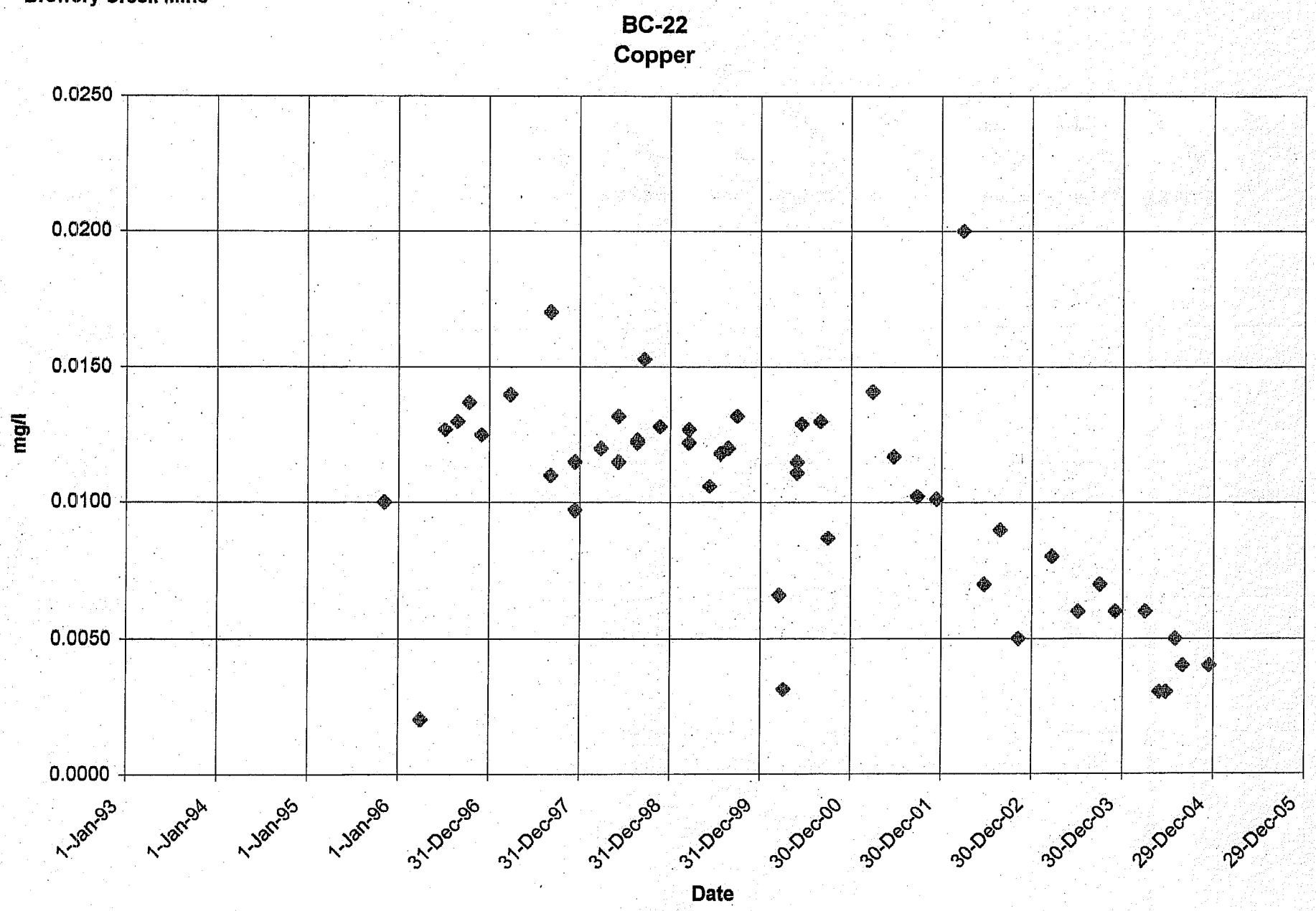

BC-21
Mercury
0.00060
0.00050
0.00040
0.00030
0.00020
0.00010
0.00000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

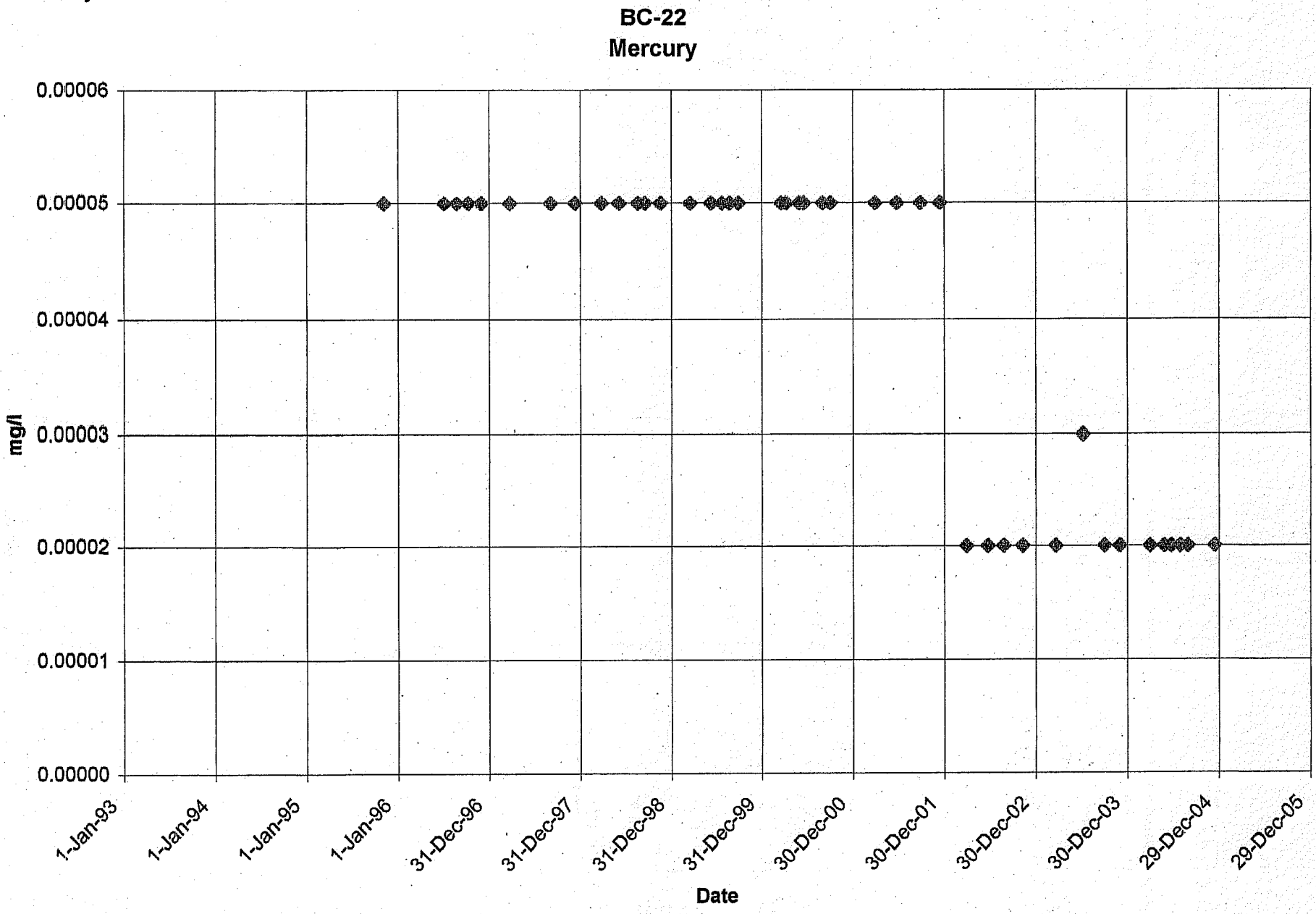

BC-21
Iron
4.000
3.500
3.000
2.500
2.000
1.500
1.000
0.500
0.000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

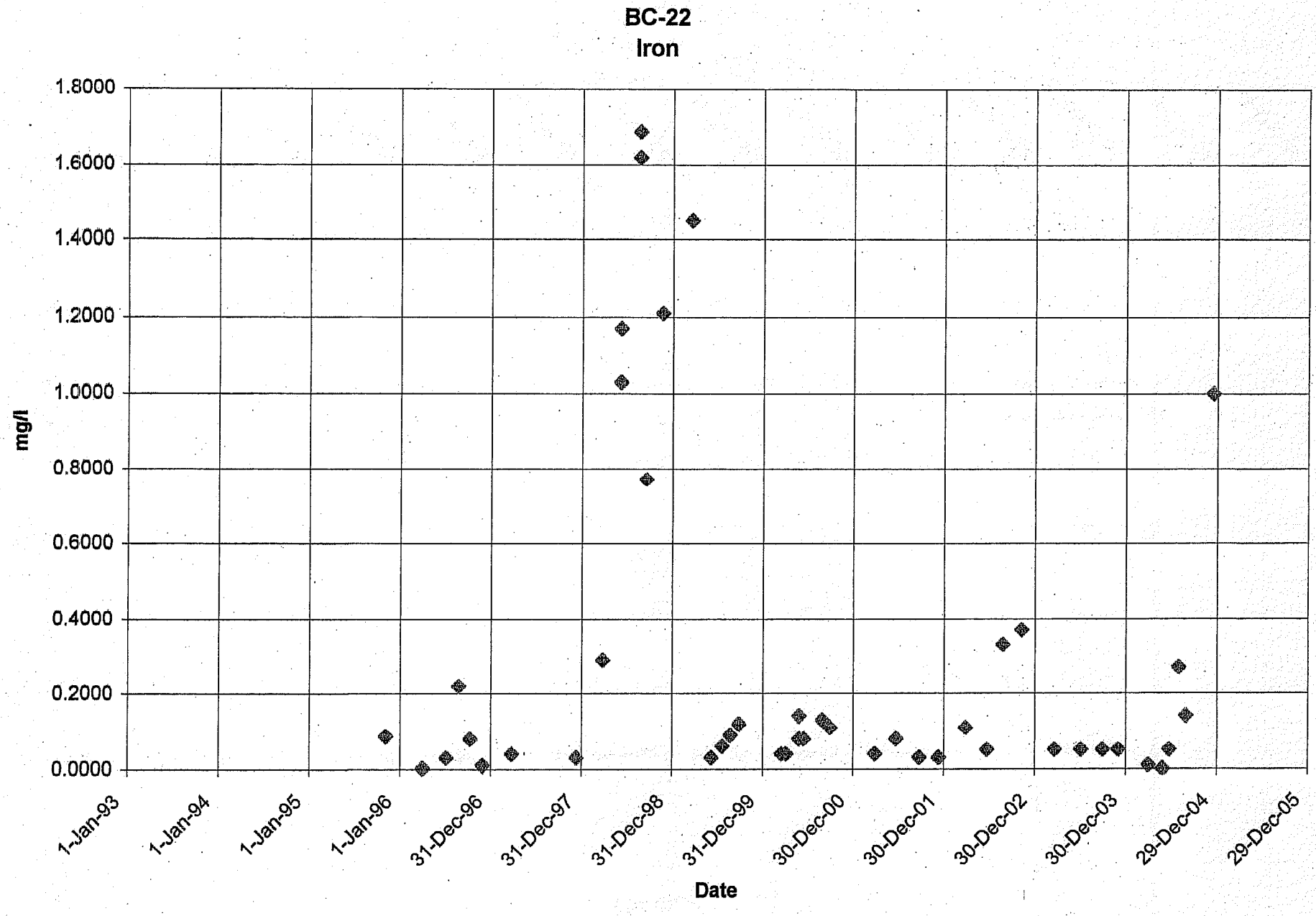

BC-21
Zinc
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

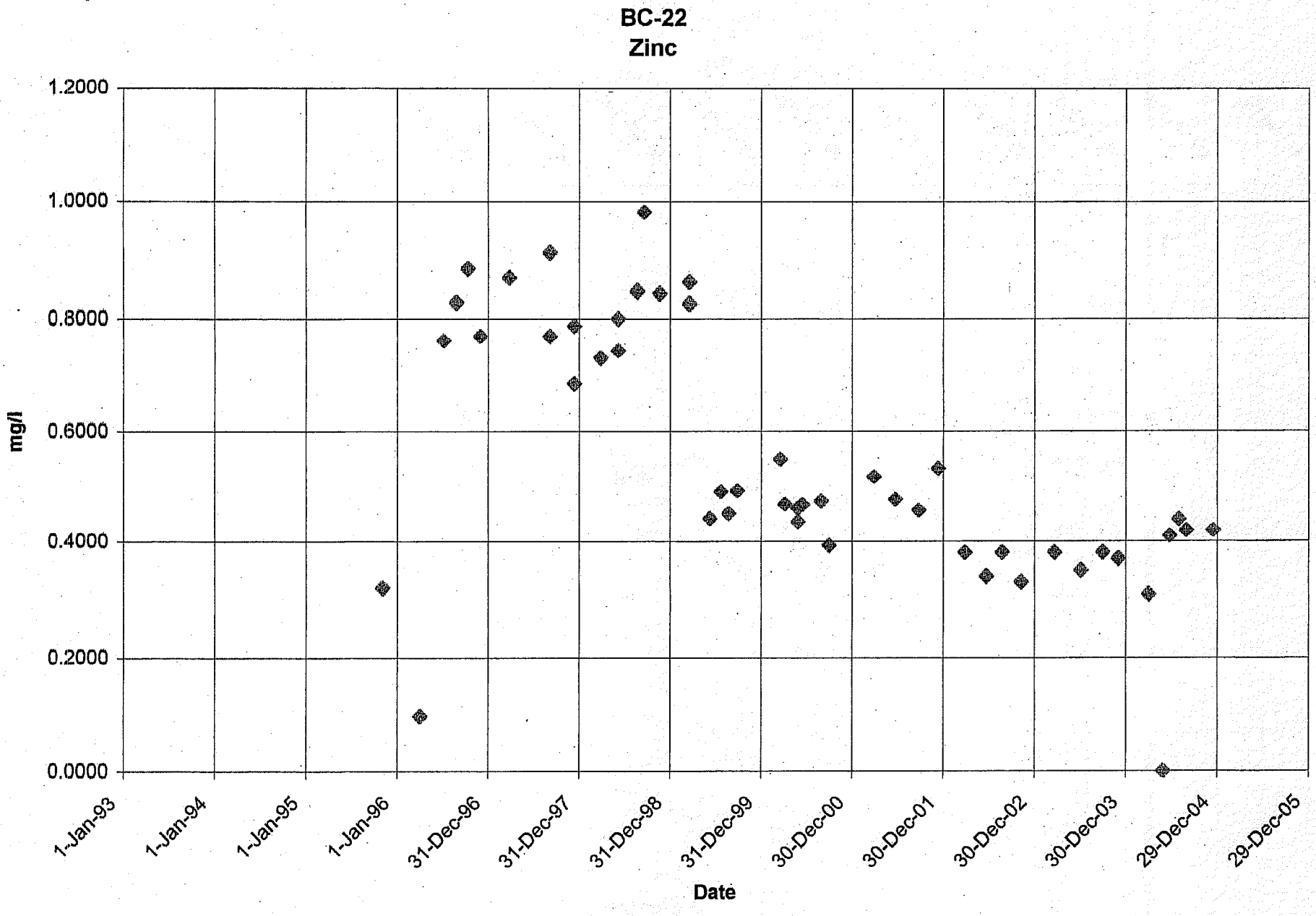

BC-21
Selenium
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

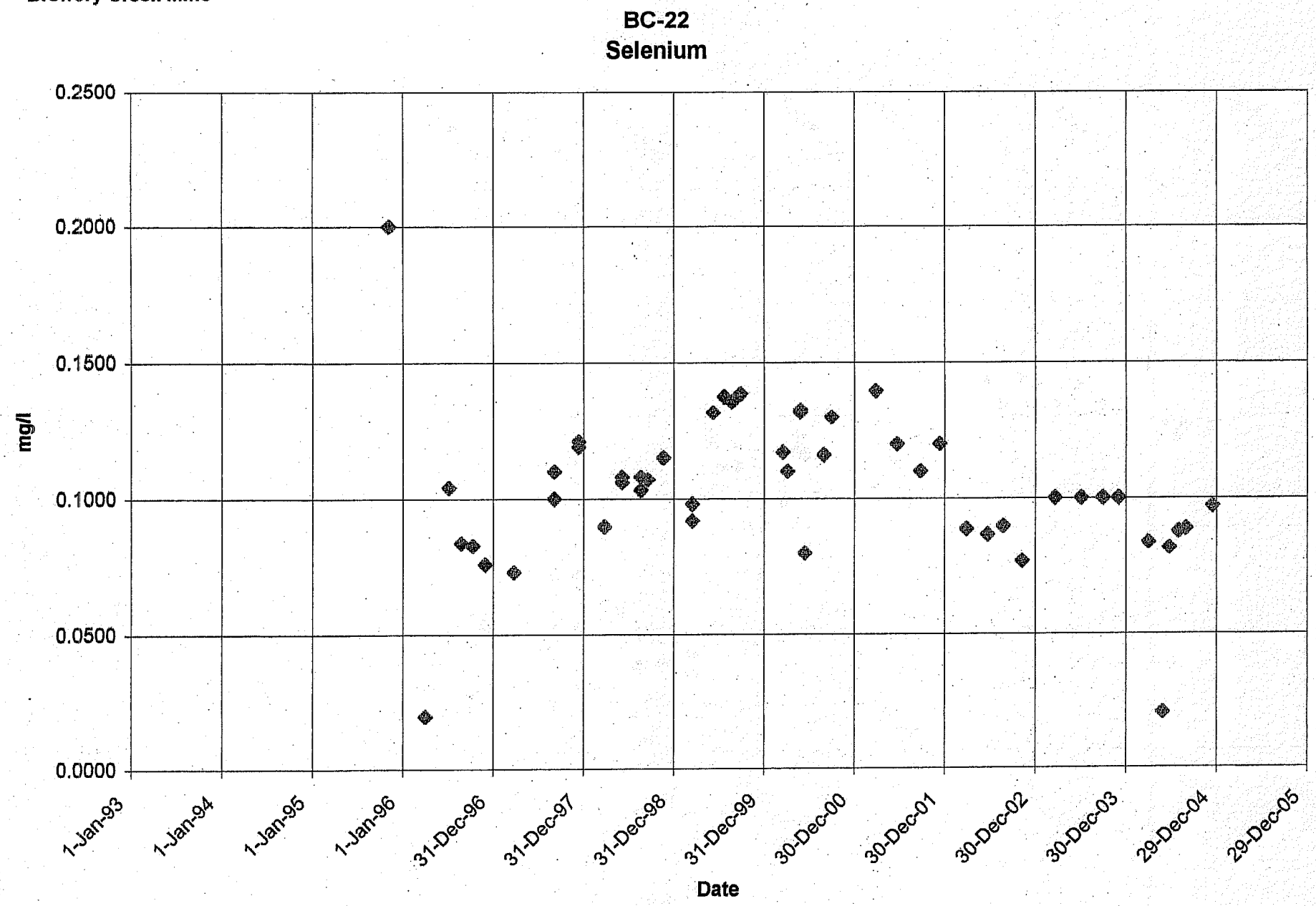

BC-22
Arsenic
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

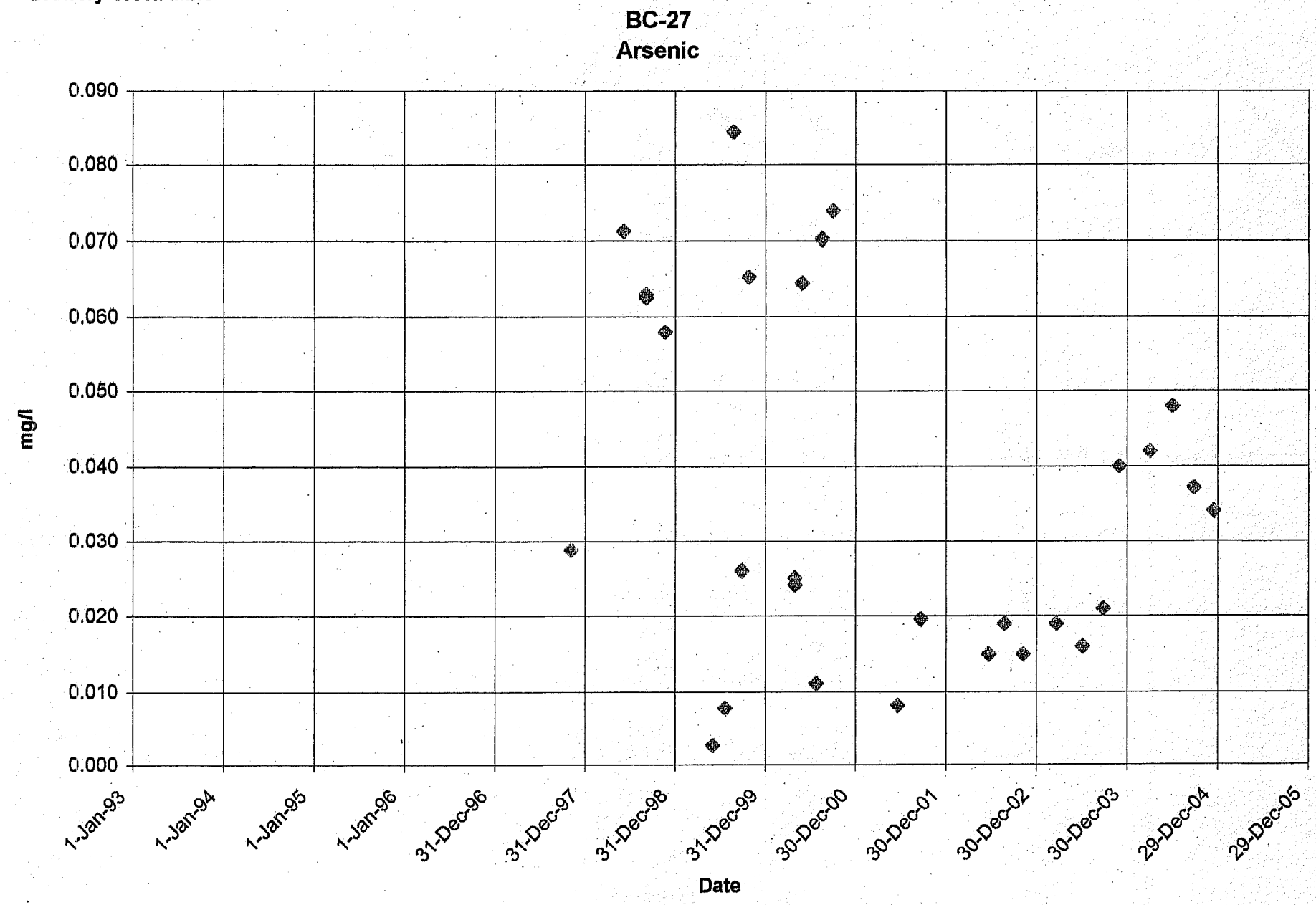

BC-22
Copper
0.0250
0.0200
0.0150
0.0100
0.0050
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

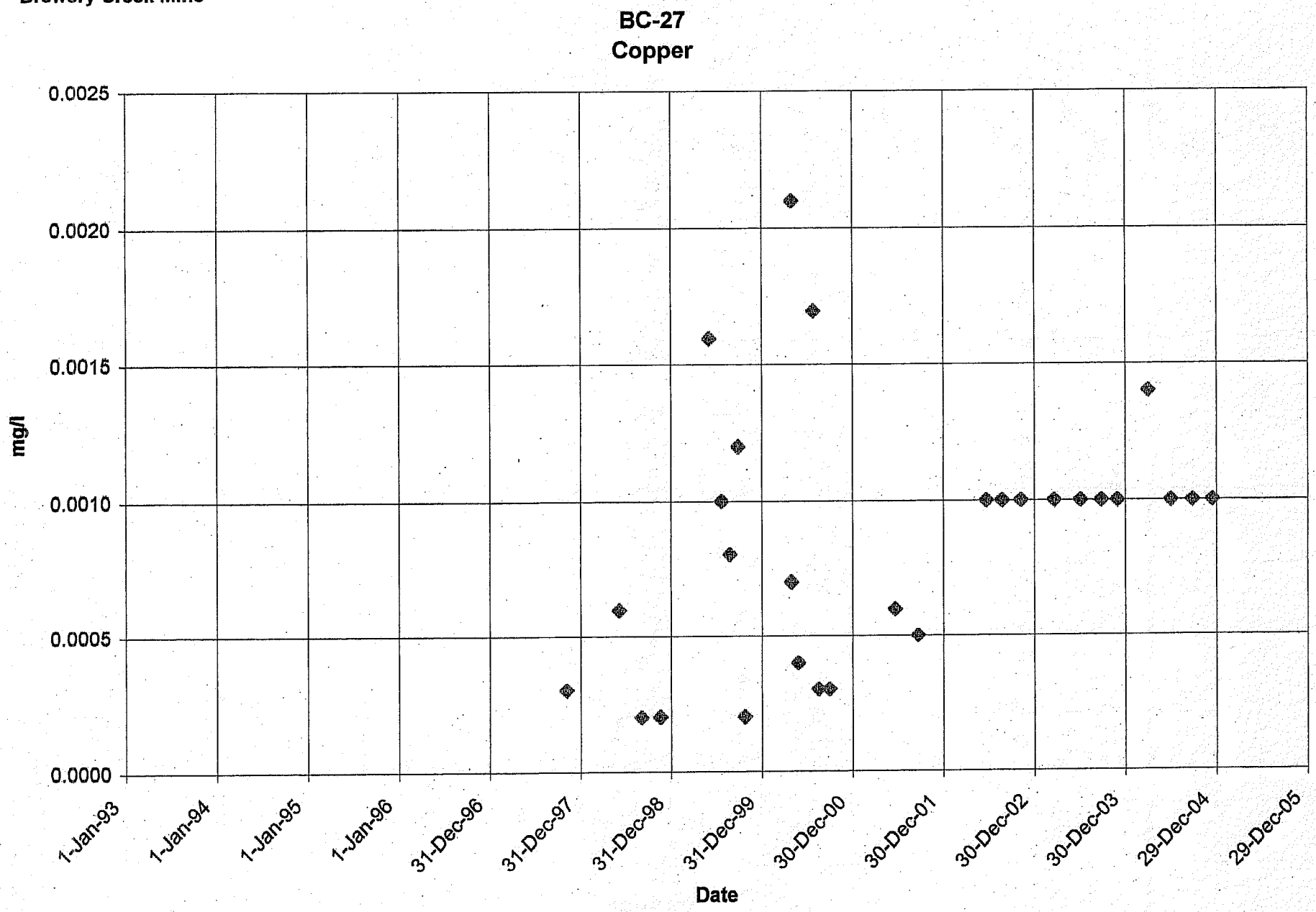

BC-22
Mercury
0.00006
0.00005
0.00004
0.00003
0.00002
0.00001
0.00000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

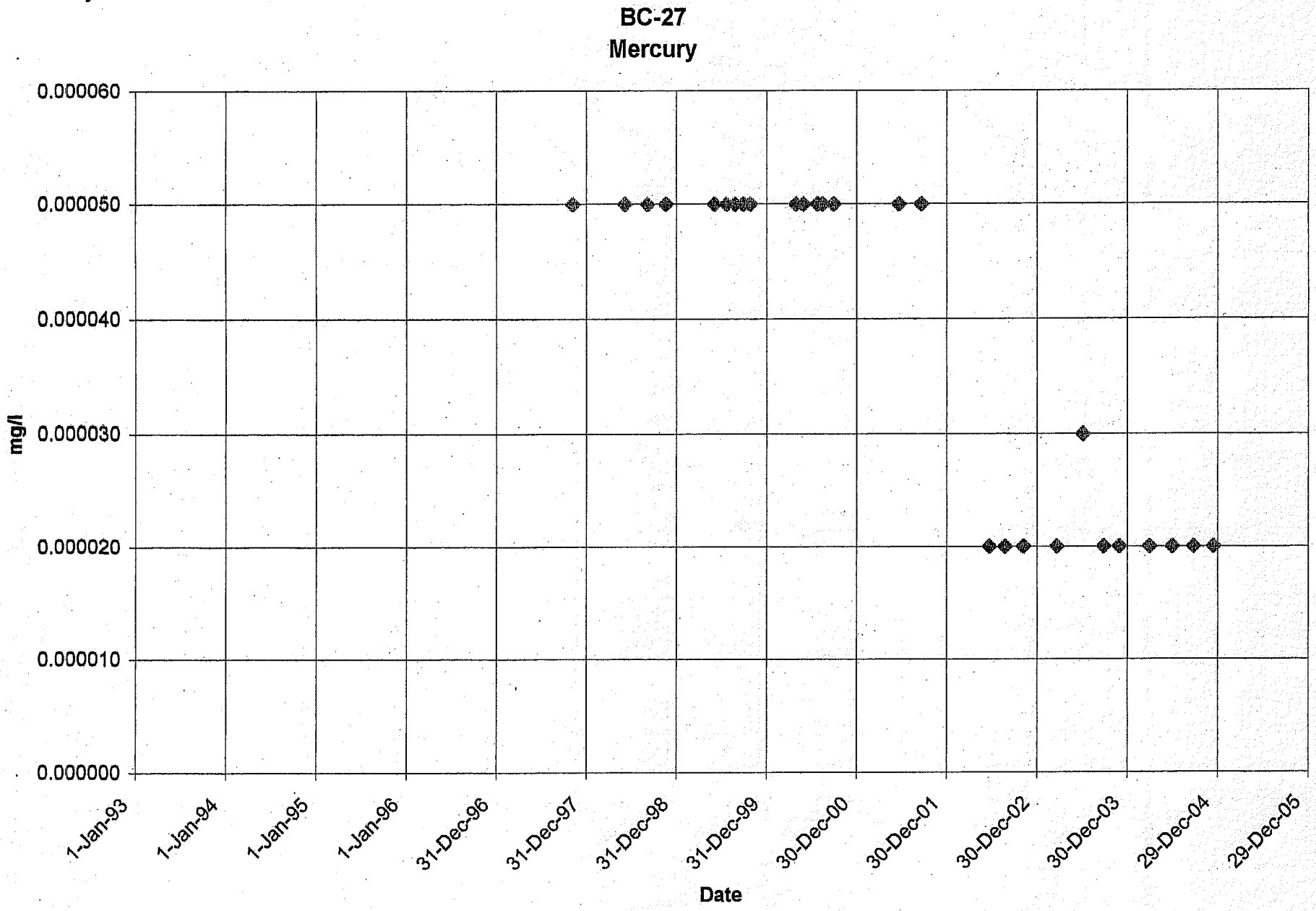

BC-22
Iron
mg/l
1.8000
1.6000
1.4000
1.2000
1.0000
0.8000
0.6000
0.4000
0.2000
0.0000
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

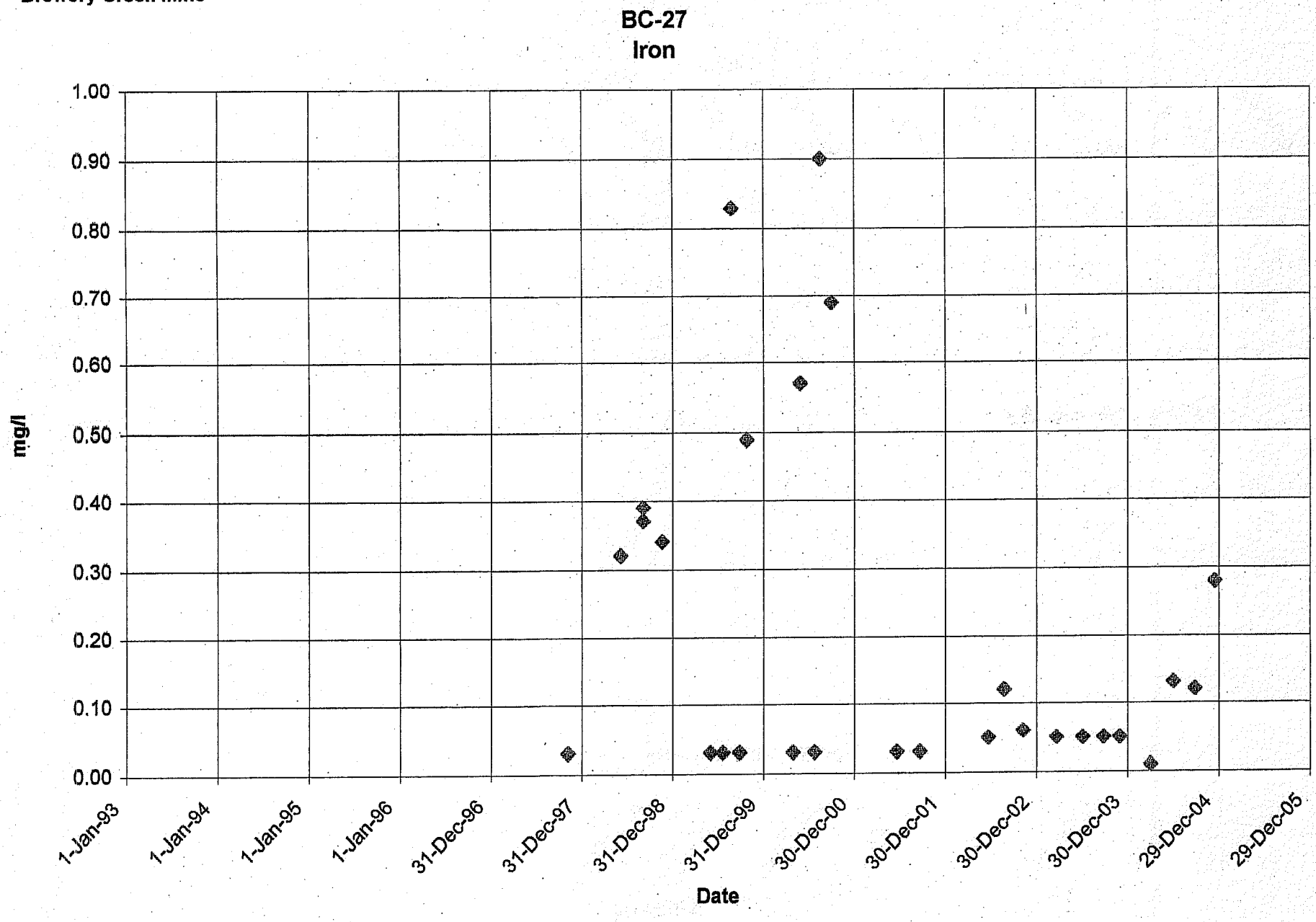

BC-22
Zinc
1.2000
1.0000
0.8000
0.6000
0.4000
0.2000
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

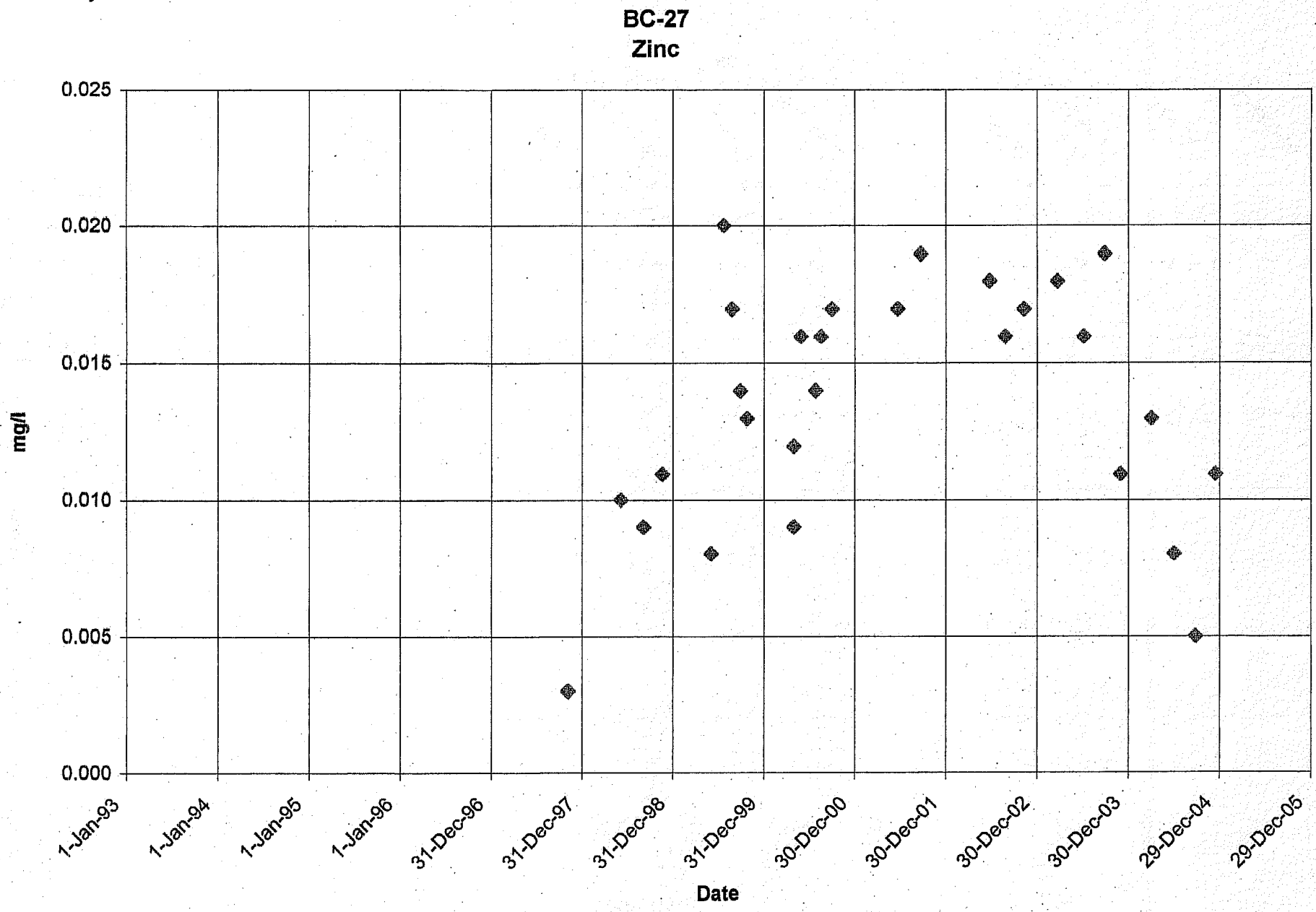

BC-22
Selenium
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

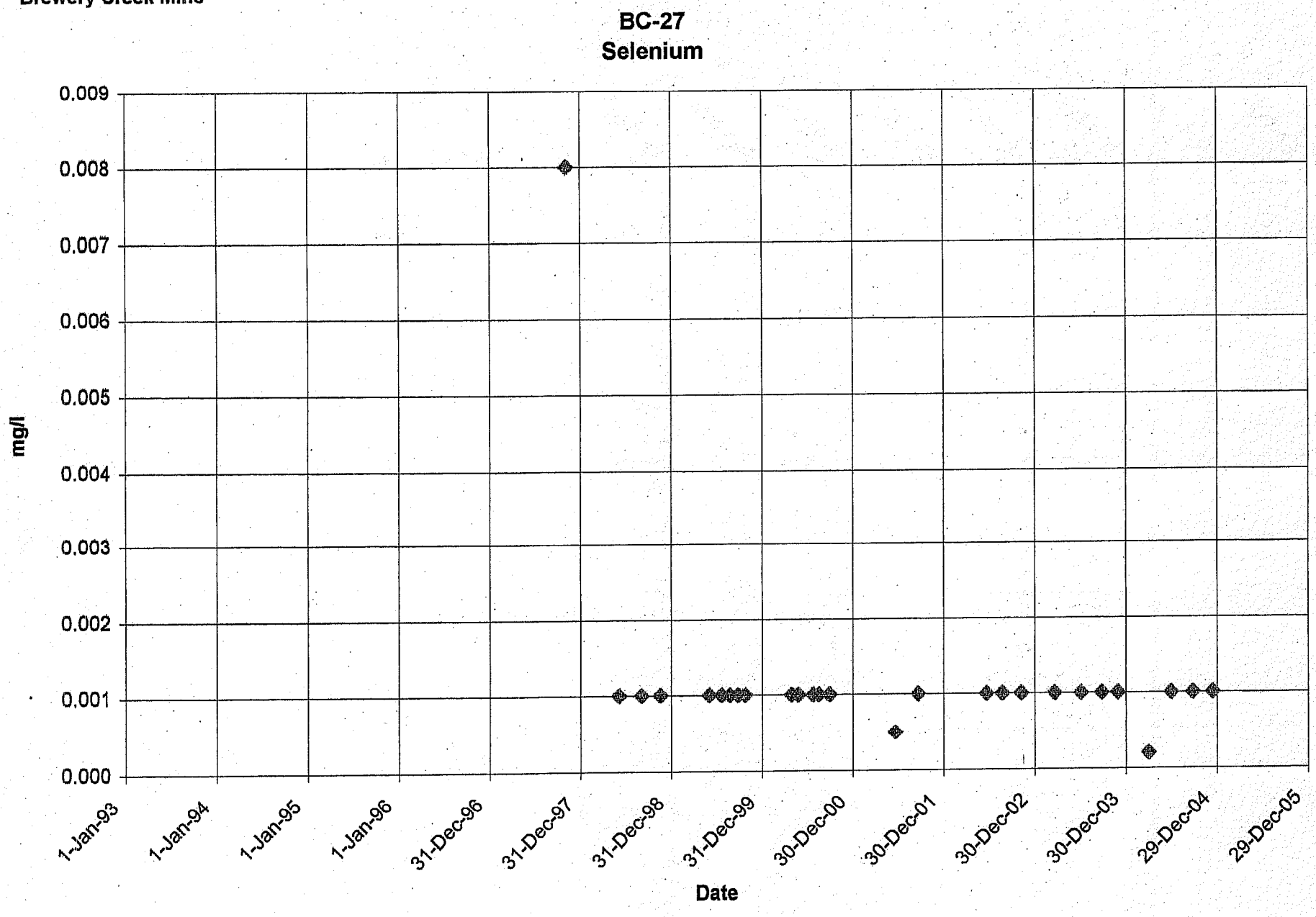

BC-27
Arsenic
0.090
0.080
0.070
0.060
0.050
0.040
0.030
0.020
0.010
0.000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date


BC-27
Copper
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date


BC-27
Mercury
0.000060
0.000050
0.000040
0.000030
0.000020
0.000010
0.000000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date


BC-27
Iron
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date


BC-27
Zinc
0.025
0.020
0.015
0.010
0.005
0.000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date


BC-27
Selenium
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
mg/l
1-Jan-93
1-Jan-94
1-Jan-95
1-Jan-96
31-Dec-96
31-Dec-97
31-Dec-98
31-Dec-99
30-Dec-00
30-Dec-01
30-Dec-02
30-Dec-03
29-Dec-04
29-Dec-05
Date

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards*	File Reference	403010144	404050063	406010332	406290347
		Station	BC-10	BC-10	BC-10	BC-10
		Date	25-Feb-04	29-Mar-04	28-May-04	22-Jun-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.72	7.61	8.42	7.79
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	426	366	223	261
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	174	208	114	124
mg $CaCO_3$/L		Alkalinity	134	134	78.8	87.8
mg/L		Total Dissolved Solids	236	265	178	219
mg/L	50	Total Suspended Solids	2	< 1	9	4
mg/L		Chloride	0.9	0.8	0.5	0.36
mg/L		Sulfate	90.8	89.8	64.3	89
mg /L	5.0	Ammonia	0.299	< 0.005	< 0.005	< 0.005
mg /L		Nitrate	0.53	0.54	< 0.005	< 0.005
mg/L	2.0	Total Cyanide	-	-	-	-
mg/L	0.25	WAD Cyanide	-	-	-	-
	Dissolved Metals					
mg/L	1.0	Aluminum	0.01	0.002	0.017	0.006
mg/L	1.0	Antimony	0.12	0.109	0.087	0.12
mg/L	0.5	Arsenic	0.007	0.0067	0.004	0.007
mg/L		Barium	0.12	0.12	0.13	0.12
mg/L		Berylium	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.01	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.00004	< 0.0002	< 0.0002
mg/L		Calcium	47.2	46	29.7	33.8
mg/L	0.5	Chromium	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Cobalt	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L	0.2	Copper	< 0.001	0.001	< 0.001	< 0.001
mg/L	1.0	Iron	0.12	< 0.01	0.05	< 0.05
mg/L	0.2	Lead	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Lithium	0.002	0.0023	0.002	0.002
mg/L		Magnesium	20:8	18.3	12	12.2
mg/L	2.0	Manganese	0.002	0.003	0.006	< 0.001
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0034	0.0032	0.0021	0.0028
mg/L	0.5	Nickel	0.002	0.0018	0.001	< 0.001
mg/L		Phosphorus	< 0.15	< 0.03	< 0.15	< 0.15
mg/L		Potassium	1.2	1.22	0.8	0.8
mg/L	0.05	Selenium	< 0.001	0.0029	0.003	0.004
mg/L		Silicon	5	4.8	3.6	3.2
mg/L	0.1	Silver	< 0.00025	< 0.00005	< 0.00025	< 0.00025
mg/L		Sodium	1.32	0.95	0.59	0.52
mg/L		Strontium	0.4	0.379	0.26	0.31
mg/L		Sulphur	24.7	28.5	18.4	25.7
mg/L		Thallium	< 0.0001	< 0.00002	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Uranium	0.0048	0.0034	0.003	0.0039
mg/L		Vanadium	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Zinc	0.011	0.007	< 0.005	< 0.005

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

Units	Water License Discharge Standards[4]	File Reference	408070054	409030230	410020062	411010225
		Station	BC-10	BC-10	BC-10	BC-10
		Date	30-Jul-04	30-Aug-04	23-Sep-04	24-Oct-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.88	8.04	8.32	8.24
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	333	355	387	402
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	151	158	205	209
mg $CaCO_3$/L		Alkalinity	95.6	106	115	112
mg/L		Total Dissolved Solids	211	235	231	247
mg/L	50	Total Suspended Solids	14	9	7.5	6
mg/L		Chloride	0.67	0.73	<0.50	1.08
mg/L		Sulfate	82.8	84	89.2	91
mg /L	5.0	Ammonia	< 0.005	< 0.005	0.0093	0.053
mg /L		Nitrate	0.21	< 0.005	<0.0050	0.0732
mg/L	2.0	Total Cyanide	-	-		-
mg/L	0.25	WAD Cyanide	-	-		-
	Dissolved Metals					
mg/L	1.0	Aluminum	0.016	0.015	0.006	0.011
mg/L	1.0	Antimony	0.14	0.14	0.12	0.14
mg/L	0.5	Arsenic	0.006	0.006	0.007	0.007
mg/L		Barium	0.21	0.2	0.15	0.19
mg/L		Berylium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002	< 0.0002	< 0.0002
mg/L		Calcium	38.8	41.4	42	50.2
mg/L	0.5	Chromium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.2	Copper	< 0.001	< 0.001	< 0.001	0.002
mg/L	1.0	Iron	0.07	0.15	< 0.05	0.08
mg/L	0.2	Lead	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.002	0.002	0.002	0.002
mg/L		Magnesium	15.1	15.7	18.1	20
mg/L	2.0	Manganese	< 0.001	< 0.001	0.009	0.034
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0036	0.0033	0.0032	0.0038
mg/L	0.5	Nickel	0.001	< 0.001	< 0.001	0.002
mg/L		Phosphorus	< 0.15	< 0.15	< 0.15	< 0.15
mg/L		Potassium	1.3	1.3	1.3	1.6
mg/L	0.05	Selenium	0.004	0.004	0.003	0.003
mg/L		Silicon	1.8	0.3	0.3	1.3
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	0.68	0.79	0.85	1.35
mg/L		Strontium	0.34	0.38	0.39	0.44
mg/L		Sulphur	23.5	24.4	25.9	
mg/L		Thallium	< 0.0001	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Uranium	0.004	0.0046	0.0051	0.0057
mg/L		Vanadium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	< 0.005	< 0.005	< 0.005	0.006

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards'	File Reference	411260082	412180040
		Station	BC-10	BC-10
		Date	18-Nov-04	13-Dec-04
m/sec		Water Level or Flow		
pH units		pH (field)		
pH units	6.0 - 9.5	pH (lab)	8.33	8.21
uS/cm		Conductivity (field)		
uS/cm		Conductivity (lab)	561	415
°C		Temperature (field)		
mg $CaCO_3$/L		Hardness	309	238
mg $CaCO_3$/L		Alkalinity	177	119
mg/L		Total Dissolved Solids	354	246
mg/L	50	Total Suspended Solids	4	<3.0
mg/L		Chloride	0.77	0.98
mg/L		Sulfate	134	99.2
mg /L	5.0	Ammonia	<0.0050	0.008
mg /L		Nitrate	0.0969	0.066
mg/L	2.0	Total Cyanide	-	-
mg/L	0.25	WAD Cyanide	-	-
		Dissolved Metals		
mg/L	1.0	Aluminum	0.006	0.006
mg/L	1.0	Antimony	0.19	0.16
mg/L	0.5	Arsenic	0.01	0.008
mg/L		Barium	0.19	0.2
mg/L		Berylium	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001
mg/L		Boron	0.07	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002
mg/L		Calcium	56.1	58.9
mg/L	0.5	Chromium	< 0.001	< 0.001
mg/L		Cobalt	< 0.001	< 0.001
mg/L	0.2	Copper	0.001	< 0.001
mg/L	1.0	Iron	0.08	0.26
mg/L	0.2	Lead	< 0.001	< 0.001
mg/L		Lithium	0.003	0.003
mg/L		Magnesium	25.2	24.6
mg/L	2.0	Manganese	0.013	< 0.001
mg/L	0.005	Mercury	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0046	0.0041
mg/L	0.5	Nickel	0.001	< 0.001
mg/L		Phosphorus	< 0.15	< 0.15
mg/L		Potassium	1.7	1.7
mg/L	0.05	Selenium	0.005	0.004
mg/L		Silicon	1.1	1.3
mg/L	0.1	Silver	< 0.00025	< 0.00025
mg/L		Sodium	2.31	1.03
mg/L		Strontium	0.52	0.51
mg/L		Sulphur	37.8	28.6
mg/L		Thallium	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001
mg/L		Uranium	0.0067	0.0061
mg/L		Vanadium	< 0.001	< 0.001
mg/L	0.5	Zinc	< 0.005	< 0.005

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

Units	Water License Discharge Standards*	File Reference	406010333	406290362	408030162	409030233
		Station	BC-12	BC-12	BC-12	BC-12
		Date	28-May-04	24-Jun-04	29-Jul-04	30-Aug-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	3.83	3.27	3.74	4.06
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	1200	1930	1610	1570
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	695	861	642	715
mg $CaCO_3$/L		Alkalinity	< 0.5	< 0.5	< 0.5	< 0.5
mg/L		Total Dissolved Solids	1070	1730	1110	1040
mg/L	50	Total Suspended Solids	7	4	29	3
mg/L		Chloride	2.8	2.5	3	2.4
mg/L		Sulfate	840	1280	867	764
mg /L	5.0	Ammonia	0.379	0.322	0.689	0.146
mg /L		Nitrate	2.6	2.74	1.9	0.85
mg/L	2.0	Total Cyanide	-	-	-	-
mg/L	0.25	WAD Cyanide	-	-	-	-
	Dissolved Metals					
mg/L	1.0	Aluminum	3.63	4.67	2.55	2.86
mg/L	1.0	Antimony	0.007	0.001	0.006	0.01
mg/L	0.5	Arsenic	< 0.001	0.001	0.003	0.072
mg/L		Barium	0.14	0.087	0.07	0.11
mg/L		Berylium	0.01	0.011	0.008	0.009
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.011	0.013	0.0095	0.014
mg/L		Calcium	175	195	155	189
mg/L	0.5	Chromium	< 0.001	0.001	< 0.001	< 0.001
mg/L		Cobalt	0.15	0.17	0.11	0.12
mg/L	0.2	Copper	0.19	0.35	0.17	0.18
mg/L	1.0	Iron	2.81	8.81	0.6	3.83
mg/L	0.2	Lead	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.014	0.012	0.012	0.014
mg/L		Magnesium	63.3	61.9	54.3	64.8
mg/L	2.0	Manganese	4.37	4.42	3.42	3.99
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005	< 0.0005	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.28	0.34	0.23	0.27
mg/L		Phosphorus	< 0.15	< 0.15	< 0.15	< 0.15
mg/L		Potassium	3.2	2.6	3.5	4.6
mg/L	0.05	Selenium	0.005	0.005	0.003	0.003
mg/L		Silicon	14.3	15.3	14.6	18.1
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	1.36	1.01	1.96	2.51
mg/L		Strontium	1.08	1.22	0.89	1.06
mg/L		Sulphur	227	376	218	234
mg/L		Thallium	0.0003	0.0003	< 0.0001	0.0002
mg/L		Tin	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Uranium	0.0039	0.0096	0.0026	0.003
mg/L		Vanadium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	0.8	0.93	0.6	0.64

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

Units	Water License Discharge Standards'	File Reference / Station / Date	410020063 BC-12 23-Sep-04	411010226 BC-12 24-Oct-04	411260083 BC-12 18-Nov-04	412180041 BC-12 13-Dec-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	4.60	4.98	3.79	5.20
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	1220	819	1120	1240
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	679	401	547	848
mg $CaCO_3$/L		Alkalinity	<1.0	<1.0	<1.0	4.6
mg/L		Total Dissolved Solids	1010	615	828	1040
mg/L	50	Total Suspended Solids	6.5	<3.0	<3.0	4
mg/L		Chloride	2.2	4.2	3.12	4.86
mg/L		Sulfate	672	392	566	761
mg /L	5.0	Ammonia	0.145	0.56	0.472	0.271
mg /L		Nitrate	0.771	1.81	1.3	0.457
mg/L	2.0	Total Cyanide		-	-	-
mg/L	0.25	WAD Cyanide		-	-	-
	Dissolved Metals					
mg/L	1.0	Aluminum	2.12	0.88	2.48	2.17
mg/L	1.0	Antimony	0.003	0.007	0.003	0.002
mg/L	0.5	Arsenic	0.006	0.004	0.007	0.067
mg/L		Barium	0.053	0.1	0.082	0.034
mg/L		Berylium	0.006	0.002	0.006	0.006
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.0068	0.0024	0.0053	0.005
mg/L		Calcium	137	91.2	134	167
mg/L	0.5	Chromium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	0.093	0.048	0.071	0.073
mg/L	0.2	Copper	0.13	0.049	0.15	0.14
mg/L	1.0	Iron	0.22	0.47	0.73	0.74
mg/L	0.2	Lead	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.011	0.005	0.011	0.01
mg/L		Magnesium	53.3	33.7	55.8	69.7
mg/L	2.0	Manganese	3.01	2.19	2.5	2.88
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005	< 0.0005	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.21	0.11	0.19	0.2
mg/L		Phosphorus	< 0.15	< 0.15	< 0.15	< 0.15
mg/L		Potassium	3.8	3	3.7	3.6
mg/L	0.05	Selenium	0.002	0.003	< 0.001	< 0.001
mg/L		Silicon	15	11.9	15.2	13.3
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	2.11	2.13	2.34	1.87
mg/L		Strontium	0.83	0.49	0.79	0.97
mg/L		Sulphur	186		160	209
mg/L		Thallium	< 0.0001	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Uranium	0.002	0.0016	0.0052	0.0045
mg/L		Vanadium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	0.46	0.22	0.37	0.36

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards[1]	File Reference	404050070	406010334	406290345	408030170
		Station	BC-15	BC-15	BC-15	BC-15
		Date	29-Mar-04	28-May-04	21-Jun-04	29-Jul-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.27	7.54	7.45	7.31
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	794	417	481	638
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	444	197	236	328
mg $CaCO_3$/L		Alkalinity	99.8	48.6	55.5	78.4
mg/L		Total Dissolved Solids	582	323	397	446
mg/L	50	Total Suspended Solids	< 1	5	1	6
mg/L		Chloride	< 0.2	0.4	< 0.2	0.39
mg/L		Sulfate	340	156	238	281
mg /L	5.0	Ammonia	< 0.005	< 0.005	0.011	0.052
mg /L		Nitrate	9.6	3.3	4.7	4.9
mg/L	2.0	Total Cyanide	-	-	-	-
mg/L	0.25	WAD Cyanide	-	-	-	-
	Dissolved Metals					
mg/L	1.0	Aluminum	0.002	0.055	< 0.005	0.009
mg/L	1.0	Antimony	0.0015	0.003	0.003	0.004
mg/L	0.5	Arsenic	0.011	0.039	0.039	0.032
mg/L		Barium	0.02	0.11	0.065	0.048
mg/L		Berylium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.01	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.00004	< 0.0002	< 0.0002	< 0.0002
mg/L		Calcium	95.6	46.2	55.4	79.3
mg/L	0.5	Chromium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	0.2	Copper	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	1.0	Iron	< 0.01	0.1	< 0.05	0.06
mg/L	0.2	Lead	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.0007	< 0.001	< 0.001	0.001
mg/L		Magnesium	51	23.9	26.3	40.8
mg/L	2.0	Manganese	0.0024	0.017	0.001	< 0.001
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0001	< 0.0005	0.0005	0.0006
mg/L	0.5	Nickel	0.0012	0.003	0.002	0.001
mg/L		Phosphorus	0.05	< 0.15	< 0.15	< 0.15
mg/L		Potassium	0.95	0.8	1	1.3
mg/L	0.05	Selenium	0.042	0.022	0.034	0.034
mg/L		Silicon	2.64	2.8	2.7	3
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	0.48	0.35	0.31	0.55
mg/L		Strontium	0.719	0.45	0.55	0.76
mg/L		Sulphur	106	48	78.4	78.8
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Titanium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Uranium	0.0006	< 0.0005	< 0.0005	0.0008
mg/L		Vanadium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	0.007	< 0.005	< 0.005	< 0.005

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

Units	Water License Discharge Standards*	File Reference	409030235	410020064	411010227	411260084
		Station	BC-15	BC-15	BC-15	BC-15
		Date	30-Aug-04	23-Sep-04	24-Oct-04	18-Nov-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.42	7.99	7.54	7.24
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	736	733	768	793
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	364	436	421	418
mg $CaCO_3$/L		Alkalinity	85.7	74.7	66.3	82
mg/L		Total Dissolved Solids	574	544	575	568
mg/L	50	Total Suspended Solids	15	<3.0	<3.0	<3.0
mg/L		Chloride	0.52	<0.50	<0.50	<0.50
mg/L		Sulfate	292	301	318	329
mg /L	5.0	Ammonia	< 0.005	<0.0050	0.0073	0.008
mg /L		Nitrate	4.9	5.16	5.44	5.6
mg/L	2.0	Total Cyanide	-		-	-
mg/L	0.25	WAD Cyanide	-		-	-
	Dissolved Metals					
mg/L	1.0	Aluminum	0.007	0.01	0.016	0.016
mg/L	1.0	Antimony	0.003	0.007	0.002	0.003
mg/L	0.5	Arsenic	0.024	0.017	0.011	0.018
mg/L		Barium	0.035	0.033	0.037	0.037
mg/L		Berylium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002	< 0.0002	< 0.0002
mg/L		Calcium	76.2	82.2	82	101
mg/L	0.5	Chromium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.2	Copper	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	1.0	Iron	0.06	0.18	0.11	0.2
mg/L	0.2	Lead	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Lithium	< 0.001	0.001	< 0.001	0.001
mg/L		Magnesium	37.2	47.4	44.6	58.5
mg/L	2.0	Manganese	0.003	0.004	0.006	0.011
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005	0.0006	< 0.0005	0.0005
mg/L	0.5	Nickel	0.001	< 0.001	0.002	0.002
mg/L		Phosphorus	< 0.15	0.2	< 0.15	< 0.15
mg/L		Potassium	1.1	1.3	1	1.4
mg/L	0.05	Selenium	0.031	0.033	0.035	0.046
mg/L		Silicon	3.1	3.7	3.8	4.5
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	0.43	0.58	0.64	0.63
mg/L		Strontium	0.7	0.76	0.71	0.87
mg/L		Sulphur	90.4	89.2		94.3
mg/L		Thallium	< 0.0001	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Uranium	0.0009	0.0013	0.0009	0.0012
mg/L		Vanadium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	< 0.005	< 0.005	< 0.005	< 0.005

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards*	File Reference	412180042
		Station	BC-15
		Date	13-Dec-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	7.23
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	814
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	501
mg $CaCO_3$/L		Alkalinity	78.6
mg/L		Total Dissolved Solids	604
mg/L	50	Total Suspended Solids	<3.0
mg/L		Chloride	2
mg/L		Sulfate	372
mg /L	5.0	Ammonia	0.0173
mg /L		Nitrate	6.11
mg/L	2.0	Total Cyanide	-
mg/L	0.25	WAD Cyanide	-
Dissolved Metals			
mg/L	1.0	Aluminum	0.008
mg/L	1.0	Antimony	0.002
mg/L	0.5	Arsenic	0.014
mg/L		Barium	0.035
mg/L		Berylium	< 0.001
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	< 0.0002
mg/L		Calcium	99.1
mg/L	0.5	Chromium	< 0.001
mg/L		Cobalt	< 0.001
mg/L	0.2	Copper	< 0.001
mg/L	1.0	Iron	0.45
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	< 0.001
mg/L		Magnesium	53.9
mg/L	2.0	Manganese	0.005
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005
mg/L	0.5	Nickel	< 0.001
mg/L		Phosphorus	< 0.15
mg/L		Potassium	1.3
mg/L	0.05	Selenium	0.04
mg/L		Silicon	4
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	0.5
mg/L		Strontium	0.83
mg/L		Sulphur	101
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	< 0.001
mg/L		Uranium	0.001
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	< 0.005

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

Units	Water License Discharge Standards'	File Reference	403010145	404050071	406010339	406290349
		Station	BC-17	BC-17	BC-17	BC-17
		Date	25-Feb-04	29-Mar-04	28-May-04	22-Jun-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	7.91	7.83	8.01	7.99
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	686	686	517	594
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	305	384	251	318
mg $CaCO_3$/L		Alkalinity	188	199	123	150
mg/L		Total Dissolved Solids	435	501	396	509
mg/L	50	Total Suspended Solids	3	1	5	1
mg/L		Chloride	0.8	0.6	0.7	0.81
mg/L		Sulfate	205	214	169	267
mg /L	5.0	Ammonia	< 0.005	< 0.005	0.051	< 0.005
mg /L		Nitrate	0.14	0.13	0.48	0.461
mg/L	2.0	Total Cyanide	-	-	-	-
mg/L	0.25	WAD Cyanide	-	-	-	-
	Dissolved Metals					
mg/L	1.0	Aluminum	0.006	0.004	0.011	< 0.005
mg/L	1.0	Antimony	0.034	0.036	0.038	0.053
mg/L	0.5	Arsenic	0.022	0.02	0.013	0.023
mg/L		Barium	0.021	0.024	0.038	0.044
mg/L		Berylium	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.01	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.00004	< 0.0002	< 0.0002
mg/L		Calcium	80.9	73.8	61.8	85.7
mg/L	0.5	Chromium	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Cobalt	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L	0.2	Copper	< 0.001	0.0007	< 0.001	< 0.001
mg/L	1.0	Iron	0.09	< 0.01	0.05	< 0.05
mg/L	0.2	Lead	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L		Lithium	0.009	0.0078	0.006	0.008
mg/L		Magnesium	38.2	36.1	25.4	32
mg/L	2.0	Manganese	0.034	0.046	0.042	0.003
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0059	0.0054	0.005	0.0062
mg/L	0.5	Nickel	0.002	0.0017	0.002	0.001
mg/L		Phosphorus	< 0.15	0.04	< 0.15	< 0.15
mg/L		Potassium	1.3	1.27	0.9	1.3
mg/L	0.05	Selenium	< 0.001	< 0.0002	0.002	0.002
mg/L		Silicon	7.9	6.68	4.9	5.9
mg/L	0.1	Silver	< 0.00025	< 0.00005	< 0.00025	< 0.00025
mg/L		Sodium	2.22	1.4	1	1.31
mg/L		Strontium	0.64	0.634	0.45	0.67
mg/L		Sulphur	56.1	69.1	50.5	80.1
mg/L		Thallium	< 0.0001	< 0.00002	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	0.0004	< 0.001	< 0.001
mg/L		Titanium	< 0.001	0.0004	< 0.001	< 0.001
mg/L		Uranium	0.009	0.0063	0.0055	0.0091
mg/L		Vanadium	< 0.001	< 0.0002	< 0.001	< 0.001
mg/L	0.5	Zinc	0.006	0.008	0.008	< 0.005

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards*	File Reference	408070055	409030243	410020066	411010228
		Station	BC-17	BC-17	BC-17	BC-17
		Date	30-Jul-04	30-Aug-04	23-Sep-04	24-Oct-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	8.12	8.03	8.30	8.17
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	667	698	700	725
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	316	349	415	414
mg $CaCO_3$/L		Alkalinity	149	163	172	176
mg/L		Total Dissolved Solids	468	530	501	514
mg/L	50	Total Suspended Solids	5	2	<3.0	<3.0
mg/L		Chloride	0.81	0.86	0.5	0.85
mg/L		Sulfate	241	233	225	224
mg /L	5.0	Ammonia	< 0.005	< 0.005	0.006	0.0693
mg /L		Nitrate	0.33	0.11	0.0775	0.252
mg/L	2.0	Total Cyanide	-	-		-
mg/L	0.25	WAD Cyanide	-	-		-
	Dissolved Metals					
mg/L	1.0	Aluminum	< 0.005	< 0.005	0.12	0.006
mg/L	1.0	Antimony	0.044	0.049	0.035	0.031
mg/L	0.5	Arsenic	0.019	0.023	.02	0.022
mg/L		Barium	0.04	0.047	0.035	0.033
mg/L		Berylium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002	0.0004	< 0.0002
mg/L		Calcium	74.6	90.8	90.1	89.7
mg/L	0.5	Chromium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Cobalt	< 0.001	< 0.001	0.007	< 0.001
mg/L	0.2	Copper	< 0.001	< 0.001	0.009	0.002
mg/L	1.0	Iron	0.06	0.19	0.17	0.14
mg/L	0.2	Lead	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.009	0.01	0.009	0.007
mg/L		Magnesium	32.9	38.6	41.8	36.9
mg/L	2.0	Manganese	< 0.001	< 0.001	0.22	0.02
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0059	0.0064	0.0058	0.0078
mg/L	0.5	Nickel	0.001	0.001	0.016	0.001
mg/L		Phosphorus	< 0.15	< 0.15	0.2	< 0.15
mg/L		Potassium	1.2	1.7	1.8	1.2
mg/L	0.05	Selenium	0.002	0.002	0.002	0.002
mg/L		Silicon	4.7	6.7	7.7	8.6
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	1.27	1.58	1.66	1.88
mg/L		Strontium	0.59	0.74	0.72	0.62
mg/L		Sulphur	66.8	69.2	75	
mg/L		Thallium	< 0.0001	0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Uranium	0.0072	0.0096	0.0095	0.01
mg/L		Vanadium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	< 0.005	< 0.005	0.03	0.006

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards[1]	File Reference	411260085	412180043
		Station	BC-17	BC-17
		Date	18-Nov-04	13-Dec-04
m/sec		Water Level or Flow		
pH units		pH (field)		
pH units	6.0 - 9.5	pH (lab)	7.92	8.10
uS/cm		Conductivity (field)		
uS/cm		Conductivity (lab)	736	725
°C		Temperature (field)		
mg $CaCO_3$/L		Hardness	417	446
mg $CaCO_3$/L		Alkalinity	193	189
mg/L		Total Dissolved Solids	502	503
mg/L	50	Total Suspended Solids	<3.0	<3.0
mg/L		Chloride	0.52	2.04
mg/L		Sulfate	226	238
mg /L	5.0	Ammonia	<0.0050	<0.0050
mg /L		Nitrate	0.222	0.182
mg/L	2.0	Total Cyanide	-	-
mg/L	0.25	WAD Cyanide	-	-
	Dissolved Metals			
mg/L	1.0	Aluminum	< 0.005	< 0.005
mg/L	1.0	Antimony	0.04	0.036
mg/L	0.5	Arsenic	0.023	0.017
mg/L		Barium	0.025	0.026
mg/L		Berylium	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002
mg/L		Calcium	88.1	98.3
mg/L	0.5	Chromium	< 0.001	< 0.001
mg/L		Cobalt	< 0.001	< 0.001
mg/L	0.2	Copper	< 0.001	< 0.001
mg/L	1.0	Iron	0.13	0.42
mg/L	0.2	Lead	< 0.001	< 0.001
mg/L		Lithium	0.01	0.009
mg/L		Magnesium	41.1	42.1
mg/L	2.0	Manganese	0.009	0.005
mg/L	0.005	Mercury	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	0.0069	0.0063
mg/L	0.5	Nickel	< 0.001	< 0.001
mg/L		Phosphorus	< 0.15	< 0.15
mg/L		Potassium	1.3	1.4
mg/L	0.05	Selenium	< 0.001	< 0.001
mg/L		Silicon	8.8	8.7
mg/L	0.1	Silver	< 0.00025	< 0.00025
mg/L		Sodium	1.63	1.63
mg/L		Strontium	0.68	0.71
mg/L		Sulphur	66.2	66.9
mg/L		Thallium	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001
mg/L		Uranium	0.011	0.011
mg/L		Vanadium	< 0.001	< 0.001
mg/L	0.5	Zinc	< 0.005	< 0.005

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards'	File Reference	408070056	409030244
		Station	BC-18	BC-18
		Date	30-Jul-04	30-Aug-04
m/sec		Water Level or Flow		
pH units		pH (field)		
pH units	6.0 - 9.5	pH (lab)	7.65	7.24
uS/cm		Conductivity (field)		
uS/cm		Conductivity (lab)	1600	1950
°C		Temperature (field)		
mg $CaCO_3$/L		Hardness	701	927
mg $CaCO_3$/L		Alkalinity	347	418
mg/L		Total Dissolved Solids	1090	1350
mg/L	50	Total Suspended Solids	< 1	2
mg/L		Chloride	0.98	< 0.2
mg/L		Sulfate	523	605
mg /L	5.0	Ammonia	0.052	0.046
mg /L		Nitrate	0.86	0.54
mg/L	2.0	Total Cyanide	-	-
mg/L	0.25	WAD Cyanide	-	-
		Dissolved Metals		
mg/L	1.0	Aluminum	< 0.005	< 0.005
mg/L	1.0	Antimony	0.022	0.015
mg/L	0.5	Arsenic	0.009	0.008
mg/L		Barium	0.017	0.013
mg/L		Berylium	< 0.001	< 0.001
mg/L	0.5	Bismuth	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05
mg/L	0.1	Cadmium	< 0.0002	< 0.0002
mg/L		Calcium	204	264
mg/L	0.5	Chromium	< 0.001	< 0.001
mg/L		Cobalt	< 0.001	< 0.001
mg/L	0.2	Copper	0.004	< 0.001
mg/L	1.0	Iron	0.06	0.16
mg/L	0.2	Lead	< 0.001	< 0.001
mg/L		Lithium	0.01	0.012
mg/L		Magnesium	60.7	77.7
mg/L	2.0	Manganese	0.11	0.4
mg/L	0.005	Mercury	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.001	0.002
mg/L		Phosphorus	< 0.15	< 0.15
mg/L		Potassium	3.1	3.9
mg/L	0.05	Selenium	0.002	0.002
mg/L		Silicon	6.3	7.2
mg/L	0.1	Silver	< 0.00025	< 0.00025
mg/L		Sodium	1.71	2.22
mg/L		Strontium	1.86	2.52
mg/L		Sulphur	140	173
mg/L		Thallium	0.0008	0.0012
mg/L		Tin	< 0.001	< 0.001
mg/L		Titanium	< 0.001	< 0.001
mg/L		Uranium	0.0058	0.0084
mg/L		Vanadium	< 0.001	< 0.001
mg/L	0.5	Zinc	0.006	0.009

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards[a]	File Reference	404050097	406010340	406290351	408030138
		Station	BC-51	BC-51	BC-51	BC-51
		Date	29-Mar-04	28-May-04	22-Jun-04	28-Jul-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	5.96	4.38	3.53	3.32
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	1020	223	605	1220
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	541	82	187	6
mg $CaCO_3$/L		Alkalinity	58.3	< 0.5	< 0.5	< 0.5
mg/L		Total Dissolved Solids	843	187	443	781
mg/L	50	Total Suspended Solids	203	25	14	5
mg/L		Chloride	1.7	1.3	2	2
mg/L		Sulfate	544	113	365	837
mg /L	5.0	Ammonia	1.31	< 0.005	0.087	< 0.005
mg /L		Nitrate	0.087	1.1	2.3	1.8
mg/L	2.0	Total Cyanide	-	-	-	-
mg/L	0.25	WAD Cyanide	-	-	-	-
	Dissolved Metals					
mg/L	1.0	Aluminum	0.004	1.59	4.15	9.28
mg/L	1.0	Antimony	0.0004	0.007	0.003	0.001
mg/L	0.5	Arsenic	0.305	0.003	0.001	0.008
mg/L		Barium	0.029	0.18	0.094	0.059
mg/L		Berylium	< 0.0002	0.005	0.013	0.028
mg/L	0.5	Bismuth	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.01	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.00025	0.0017	0.0048	0.0083
mg/L		Calcium	128	20.6	45.5	100
mg/L	0.5	Chromium	< 0.0002	< 0.001	0.002	0.006
mg/L		Cobalt	0.184	0.022	0.056	0.13
mg/L	0.2	Copper	0.001	0.2	0.59	1.24
mg/L	1.0	Iron	< 0.01	0.14	1.59	5.45
mg/L	0.2	Lead	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.0095	0.003	0.006	0.015
mg/L		Magnesium	55.4	7.77	16.2	41.4
mg/L	2.0	Manganese	20.9	0.85	2.01	5
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0001	< 0.0005	< 0.0005	< 0.0005
mg/L	0.5	Nickel	0.09	0.054	0.14	0.32
mg/L		Phosphorus	0.07	< 0.15	< 0.15	< 0.15
mg/L		Potassium	3.87	1.1	1.6	3
mg/L	0.05	Selenium	< 0.0002	0.002	0.006	0.01
mg/L		Silicon	7.96	5.7	10.7	21.8
mg/L	0.1	Silver	< 0.00005	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	1.28	1.14	0.68	1.14
mg/L		Strontium	0.582	0.13	0.3	0.6
mg/L		Sulphur	180	30	94.3	29
mg/L		Thallium	< 0.00002	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L		Titanium	0.0005	< 0.001	< 0.001	0.001
mg/L		Uranium	< 0.0001	0.0018	0.0072	0.015
mg/L		Vanadium	< 0.0002	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	0.061	0.15	0.44	0.97

Viceroy Minerals Corporation

Appendix B7.2

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards[1]	File Reference / Station / Date	409030247 / BC-51 / 30-Aug-04	410020078 / BC-51 / 24-Sep-04	411010229 / BC-51 / 24-Oct-04	411260086 / BC-51 / 18-Nov-04
m/sec		Water Level or Flow				
pH units		pH (field)				
pH units	6.0 - 9.5	pH (lab)	3.34	3.53	7.10	3.98
uS/cm		Conductivity (field)				
uS/cm		Conductivity (lab)	1540	1300	546	1160
°C		Temperature (field)				
mg $CaCO_3$/L		Hardness	530	640	258	508
mg $CaCO_3$/L		Alkalinity	< 0.5	<1.0	13.3	<1.0
mg/L		Total Dissolved Solids	1020	1020	383	928
mg/L	50	Total Suspended Solids	4	4.5	8	<3.0
mg/L		Chloride	2.5	2.43	10.3	3.16
mg/L		Sulfate	782	681	221	615
mg /L	5.0	Ammonia	< 0.005	0.0533	0.0833	0.128
mg /L		Nitrate	1.7	1.7	4.9	1.93
mg/L	2.0	Total Cyanide	-		-	-
mg/L	0.25	WAD Cyanide	-		-	-
		Dissolved Metals				
mg/L	1.0	Aluminum	12.6	10.4	0.088	10.1
mg/L	1.0	Antimony	0.003	< 0.001	0.025	0.002
mg/L	0.5	Arsenic	0.014	0.002	0.004	0.002
mg/L		Barium	0.089	0.057	0.13	0.061
mg/L		Berylium	0.039	0.031	0.002	0.037
mg/L	0.5	Bismuth	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Boron	< 0.05	< 0.05	< 0.05	< 0.05
mg/L	0.1	Cadmium	0.015	0.012	0.002	0.014
mg/L		Calcium	132	110	58.6	116
mg/L	0.5	Chromium	0.007	0.005	< 0.001	0.004
mg/L		Cobalt	0.19	0.17	0.029	0.16
mg/L	0.2	Copper	1.54	1.28	0.083	1.17
mg/L	1.0	Iron	7.95	3.53	0.13	2.17
mg/L	0.2	Lead	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Lithium	0.02	0.018	0.004	0.023
mg/L		Magnesium	52.6	51.6	21.3	55
mg/L	2.0	Manganese	8.59	6.86	1.47	6.56
mg/L	0.005	Mercury	< 0.00002	< 0.00002	< 0.00002	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005	< 0.0005	0.001	< 0.0005
mg/L	0.5	Nickel	0.44	0.39	0.077	0.39
mg/L		Phosphorus	< 0.15	< 0.15	< 0.15	< 0.15
mg/L		Potassium	3.5	3.2	2	3
mg/L	0.05	Selenium	0.013	0.01	0.003	0.011
mg/L		Silicon	26.1	25.5	14.1	28.9
mg/L	0.1	Silver	< 0.00025	< 0.00025	< 0.00025	< 0.00025
mg/L		Sodium	1.22	1.28	1.99	1.34
mg/L		Strontium	0.76	0.69	0.31	0.68
mg/L		Sulphur	207	199		177
mg/L		Thallium	0.0004	< 0.0001	< 0.0001	< 0.0001
mg/L		Tin	< 0.001	< 0.001	< 0.001	< 0.001
mg/L		Titanium	0.001	< 0.001	< 0.001	< 0.001
mg/L		Uranium	0.018	0.015	0.0009	0.015
mg/L		Vanadium	< 0.001	< 0.001	< 0.001	< 0.001
mg/L	0.5	Zinc	1.31	1.09	0.2	1.11

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

InPit Stations

Units	Water License Discharge Standards*	File Reference	412180049
		Station	BC-51
		Date	13-Dec-04
m/sec		Water Level or Flow	
pH units		pH (field)	
pH units	6.0 - 9.5	pH (lab)	3.52
uS/cm		Conductivity (field)	
uS/cm		Conductivity (lab)	1230
°C		Temperature (field)	
mg $CaCO_3$/L		Hardness	671
mg $CaCO_3$/L		Alkalinity	<1.0
mg/L		Total Dissolved Solids	958
mg/L	50	Total Suspended Solids	<3.0
mg/L		Chloride	4.78
mg/L		Sulfate	721
mg /L	5.0	Ammonia	0.0693
mg /L		Nitrate	1.96
mg/L	2.0	Total Cyanide	-
mg/L	0.25	WAD Cyanide	-
Dissolved Metals			
mg/L	1.0	Aluminum	8.89
mg/L	1.0	Antimony	< 0.001
mg/L	0.5	Arsenic	< 0.001
mg/L		Barium	0.06
mg/L		Berylium	0.032
mg/L	0.5	Bismuth	< 0.001
mg/L		Boron	< 0.05
mg/L	0.1	Cadmium	0.013
mg/L		Calcium	117
mg/L	0.5	Chromium	0.004
mg/L		Cobalt	0.16
mg/L	0.2	Copper	1.14
mg/L	1.0	Iron	1.62
mg/L	0.2	Lead	< 0.001
mg/L		Lithium	0.019
mg/L		Magnesium	51.3
mg/L	2.0	Manganese	6.98
mg/L	0.005	Mercury	< 0.00002
mg/L	0.5	Molybdenum	< 0.0005
mg/L	0.5	Nickel	0.38
mg/L		Phosphorus	< 0.15
mg/L		Potassium	3.2
mg/L	0.05	Selenium	0.009
mg/L		Silicon	25.5
mg/L	0.1	Silver	< 0.00025
mg/L		Sodium	1.19
mg/L		Strontium	0.61
mg/L		Sulphur	193
mg/L		Thallium	< 0.0001
mg/L		Tin	< 0.001
mg/L		Titanium	< 0.001
mg/L		Uranium	0.014
mg/L		Vanadium	< 0.001
mg/L	0.5	Zinc	1.09

WATER QUALITY RESULTS: LDRS Stations - BC-29 Leach Pad (Cell 1)

DATE (mm/dd/yy)	Subcell 1A		Subcell 1C		Subcell 1D		Subcell 1E	
	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l
30-Jan	-	-	-	-	-	-	-	-
26-Feb	-	-	< 0.002	< 0.002	0.149	0.066	-	-
30-Mar	-	-	0.005	< 0.002	0.077	0.016	-	-
30-Apr	-	-	0	-	0.111	0.037	-	-
28-May	-	-	-	-	-	-	-	-
19-Jun	-	-	-	-	-	-	-	-
31-Jul	-	-	-	-	-	-	-	-
29-Aug	-	-	-	-	-	-	-	-
29-Sep	-	-	-	-	-	-	-	-
21-Oct	-	-	-	-	-	-	-	-
30-Nov	-	-	-	-	-	-	-	-
30-Dec	-	-	-	-	-	-	-	-
Minimum	**0.000**	**0.000**	**0.000**	**0.000**	**0.077**	**0.016**	**0.000**	**0.000**
Maximum	**0.000**	**0.000**	**0.005**	**0.000**	**0.149**	**0.066**	**0.000**	**0.000**

WATER QUALITY RESULTS: LDRS Stations - BC-29 Leach Pad (Cell 2, 3 & 4)

DATE (mm/dd/yy)	Subcell 2B		Subcell 3D		Subcell 4C		Subcell 4D	
	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l
30-Jan	-	-	-	-	-	-	-	-
26-Feb	< 0.002	< 0.002	0.014	< 0.002	< 0.002	< 0.002	0.01	< 0.002
30-Mar	0.004	< 0.002	0.013	< 0.002	0.006	< 0.002	0.012	< 0.002
30-Apr	< 0.002	< 0.002	0.01	0.008	-	-	0.006	0.004
28-May	-	-	-	-	-	-	-	-
19-Jun	-	-	-	-	-	-	-	-
31-Jul	-	-	-	-	-	-	-	-
29-Aug	-	-	-	-	-	-	-	-
29-Sep	-	-	-	-	-	-	-	-
21-Oct	-	-	-	-	-	-	-	-
30-Nov	-	-	-	-	-	-	-	-
30-Dec	-	-	-	-	-	-	-	-
Minimum	**0.004**	**0.000**	**0.010**	**0.008**	**0.006**	**0.000**	**0.006**	**0.004**
Maximum	**0.004**	**0.000**	**0.014**	**0.008**	**0.006**	**0.000**	**0.012**	**0.004**

WATER QUALITY RESULTS: LDRS Stations - BC-29 Leach Pad (Cell 5)

DATE (mm/dd/yy)	Subcell 5A		Subcell 5B		Subcell 5D	
	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l
30-Jan	-	-	-	-	-	-
26-Feb	0.086	< 0.002	0.036	0.008	0.102	0.010
30-Mar	0.011	0.004	0.005	0.003	-	-
30-Apr	0.017	0.015	0.009	0.008	0.052	0.029
28-May	-	-	-	-	-	-
19-Jun	-	-	-	-	-	-
31-Jul	-	-	-	-	-	-
29-Aug	-	-	-	-	-	-
29-Sep	-	-	-	-	-	-
21-Oct	-	-	-	-	-	-
30-Nov	-	-	-	-	-	-
30-Dec	-	-	-	-	-	-
Minimum	**0.011**	**0.004**	**0.005**	**0.003**	**0.052**	**0.010**
Maximum	**0.086**	**0.015**	**0.036**	**0.008**	**0.102**	**0.029**

WATER QUALITY RESULTS: LDRS Stations - BC-29 Leach Pad (Cell 6)

	Subcell 6D		Subcell 6E	
DATE (mm/dd/yy)	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l	TOTAL CYANIDE mg/l	W.A.D. CYANIDE mg/l
30-Jan	-	-	-	-
26-Feb	-	-	-	-
30-Mar	-	-	0.010	0.003
30-Apr	-	-	< 0.002	< 0.002
28-May	-	-	-	-
19-Jun	-	-	-	-
31-Jul	-	-	-	-
29-Aug	-	-	-	-
29-Sep	-	-	-	-
21-Oct	-	-	-	-
30-Nov	-	-	-	-
30-Dec	-	-	-	-

Minimum	**0.000**	**0.000**	**0.010**	**0.003**
Maximum	**0.000**	**0.000**	**0.010**	**0.003**

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Laura Creek and Well BC-23: Water Usage - 2004

	Laura Creek		*Well BC-23*	
Date	**Hours**	**Quantity (m^3)**	**Hours**	**Quantity (m3)**
January	0.0	0.000	0.0	0.000
February	0.0	0.000	0.0	0.000
March	0.0	0.000	0.0	0.000
April	0.0	0.000	0.0	0.000
May	0.0	0.000	0.0	0.000
June	0.0	0.000	0.0	0.000
July	0.0	0.000	0.0	0.000
August	0.0	100.000	0.0	0.000
September	0.0	0.000	0.0	0.000
October	0.0	0.000	0.0	0.000
November	0.0	0.000	0.0	0.000
December	0.0	0.000	0.0	0.000
Total	**0.0**	**100.000**	**0.0**	**0.000**
Average (monthly)	**0.0**	**8.333**	**0.0**	**0.000**
Average (daily)	**0.0**	**0.000**	**0.0**	**0.000**

Standards Council of Canada

Conseil canadien des normes

Certificate of accreditation

Certificat d'accréditation

CANTEST LTD.

4606 Canada Way, Burnaby, British Columbia

having been assessed under the authority of the *Standards Council of Canada Act* and found to comply with the requirements of ISO/IEC 17025 and the conditions established by the SCC is hereby recognized as an

ACCREDITED TESTING LABORATORY

for specific tests or types of tests listed in the scope of accreditation approved by the Standards Council of Canada.

ayant été soumis à une évaluation selon la *Loi sur le Conseil canadien des normes* et ayant été trouvé conforme aux prescriptions d'ISO/CEI 17025 et aux conditions établies par le CCN est de fait reconnu comme étant un

LABORATOIRE D'ESSAIS ACCRÉDITÉ

pour les essais ou types d'essais déterminés inscrits dans la portée d'accréditation approuvée par le Conseil canadien des normes.

Accredited Laboratory No.
Numéro de laboratoire accrédité : 117

Accreditation date: / Date d'accréditation :	Issued on: / Délivré le :	Expiry date: / Date d'expiration :
1993-06-08	2002-04-11	2006-06-08

Chair (SCC) / Président (CCN)

Assessments performed according to CAN-P-4 (ISO/IEC 17025) and the conditions of the *PALCAN Handbook 002.A*. Laboratories that comply with the requirements of ISO/IEC 17025 operate a Quality Management System for testing and calibration activities that should be registered to ISO 9001: 1994 when designing/developing new methods, and/or developing test programs that combine standard and non-standard test and calibration methods or results ISO 9002 when only standard methods are used. The scope of accreditation is available from the accredited laboratory or SCC. To verify the validity of this certificate, please see the listing of Accredited Laboratories on www.scc.ca.

Évaluation effectuée conformément au CAN-P-4 (ISO/CEI 17025) et aux conditions du *Guide PALCAN 002.A*. Pour concevoir et développer des méthodes nouvelles et établir des programmes d'essais alliant des méthodes d'essai et d'étalonnage normalisées et non normalisées, les laboratoires respectent la norme ISO/CEI 17025 and, dans leurs essais et leur étalonnage, recourir à un système de management de la qualité conforme aux exigences d'ISO 9001: 1994, et à celles d'ISO 9002 dans le seul cas des méthodes normalisées. Pour connaître la portée d'accréditation, s'adresser soit au laboratoire accrédité, soit au CCN. Pour vérifier la validité du présent certificat, consulter la liste des laboratoires accrédités à l'adresse www.scc.ca.

Canada

Appendix C
HYDROLOGY

- C-1 Hydrology Data
- C-2.1 Discharge Curve Data Point Tables
- C-2.2 Discharge Curves

Viceroy Minerals Corporation

Brewery Creek Mine

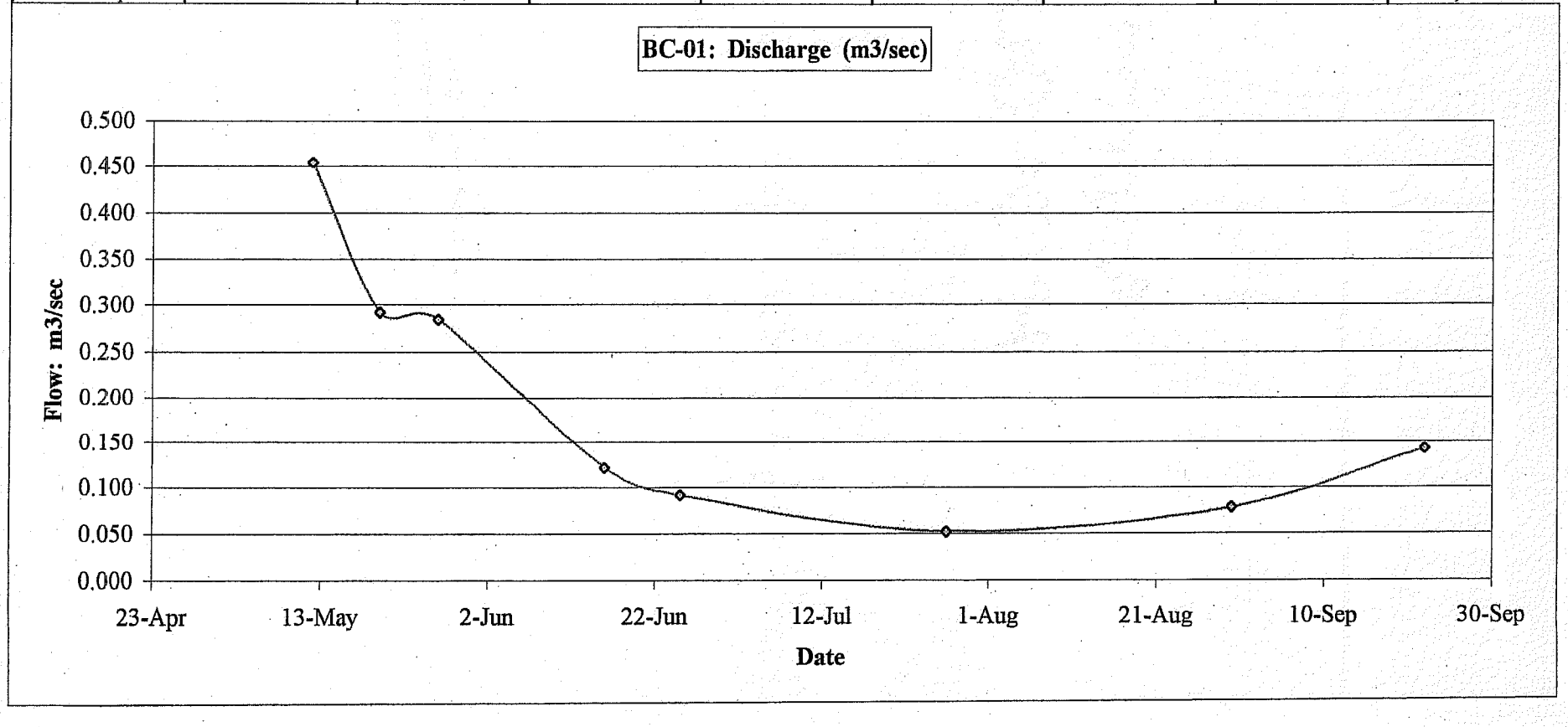
Monitoring Pursuant to Water License QZ96-007

Site Flows

HYDROLOGY DATA: Flow Rates 2004

Station ID: BC-01
Description: Laura Creek: 50m up from Ditch Road

Date (m/d/y)	Time	Staff Gauge (m)	Width (m)	Area (m2)	Discharge			
					(m3/sec)	(m3/min)	(L/sec)	(US gal/min)
12-May	11:45	n/a	3.50	0.849	0.454	27.3	454.2	7,199.7
20-May	02:10	0.480	1.45	1.134	0.292	17.5	291.7	4,623.4
27-May	10:00	n/a	1.30	1.020	0.284	17.0	283.8	4,498.5
16-Jun	12:00	0.290	1.35	0.742	0.121	7.3	121.2	1,921.5
25-Jun	13:30	0.280	1.30	0.769	0.092	5.5	91.7	1,452.8
27-Jul	14:00	0.270	1.30	0.703	0.052	3.1	51.7	820.1
30-Aug	15:00	0.280	1.20	0.654	0.078	4.7	77.9	1,234.9
22-Sep	14:30	0.370	1.30	0.856	0.143	8.6	142.8	2,263.4

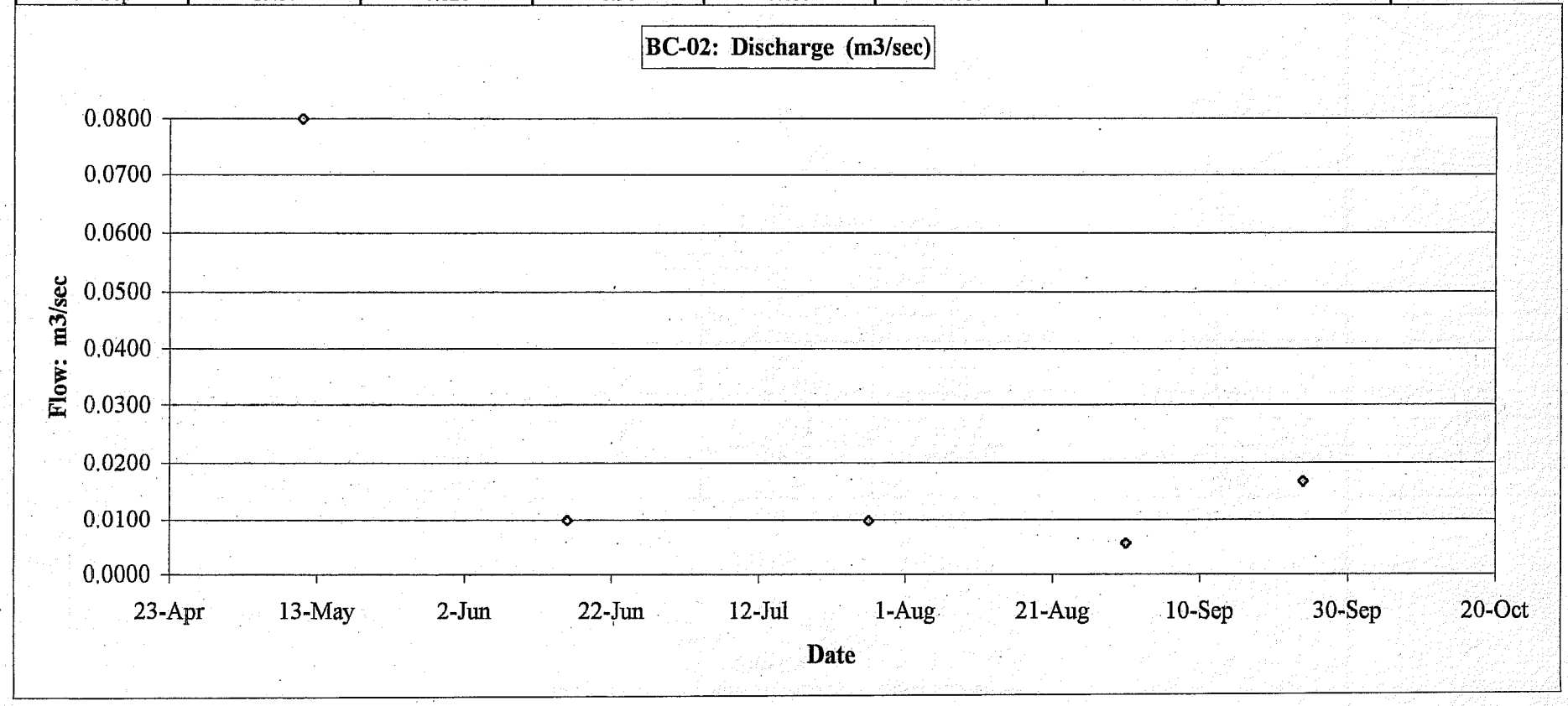


Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Site Flows

HYDROLOGY DATA: Flow Rates 2004

Station ID: BC-02
Description: Carolyn Creek upstream from confluence with Laura Creek

Date (m/d/y)	Time	Staff Gauge (m)	Width (m)	Area (m2)	Discharge			
					(m3/sec)	(m3/min)	(L/sec)	(US gal/min)
11-May	11:14	n/a	0.90	0.120	0.080	5.2	86.8	1,376.8
16-Jun	15:00	0.370	0.35	0.051	0.010	0.6	9.9	156.5
27-Jul	11:45	0.390	0.30	0.051	0.010	0.6	9.8	155.6
31-Aug	10:00	0.390	0.25	0.034	0.006	0.3	5.5	87.5
24-Sep	15:10	0.620	0.30	0.059	0.017	1.0	16.7	265.1

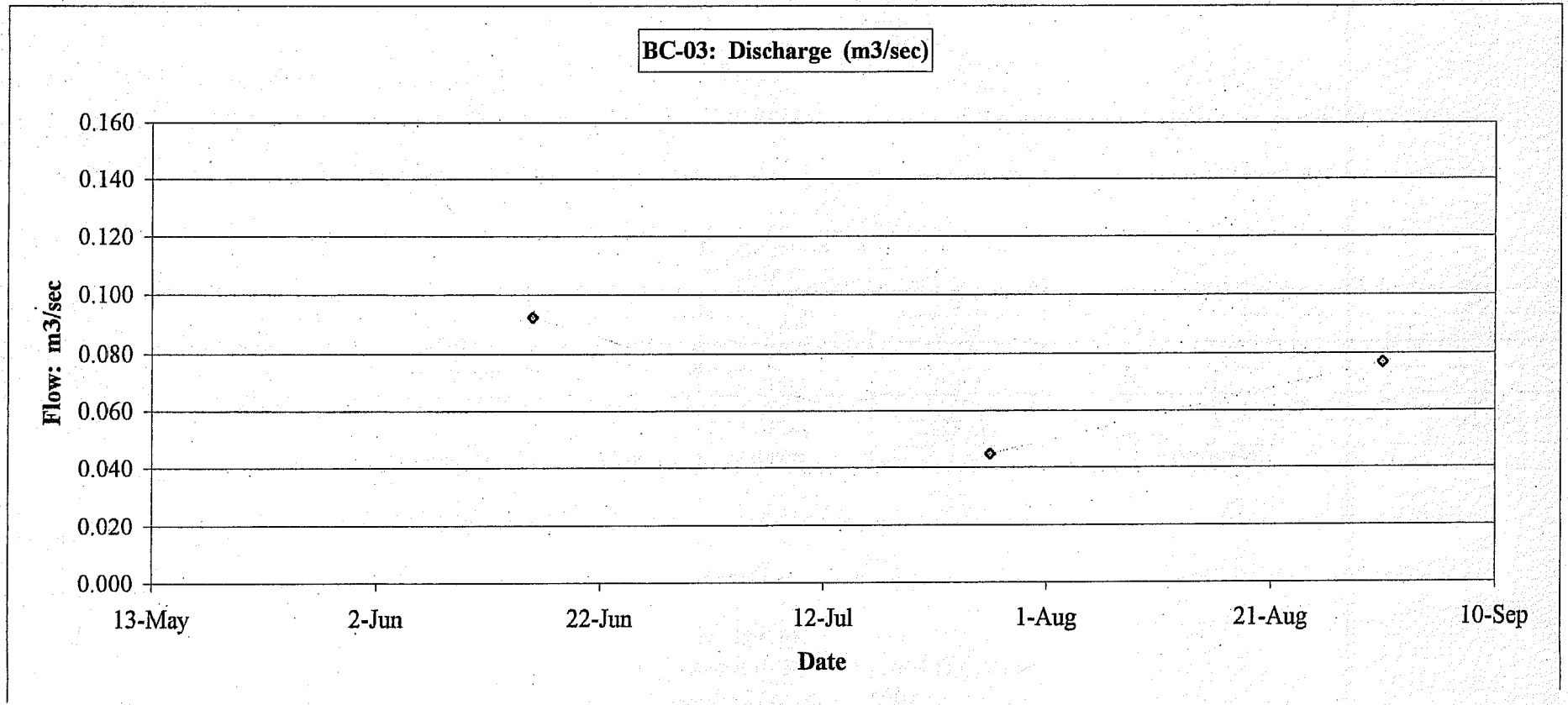


Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Site Flows

HYDROLOGY DATA: Flow Rates 2004

Station ID: BC-03
Description: Laura Creek upstream from confluence with Carolyn Creek

Date (m/d/y)	Time	Staff Gauge (m)	Width (m)	Area (m2)	Discharge			
					(m3/sec)	(m3/min)	(L/sec)	(US gal/min)
20-May	04:00	0.000	1.00	0.338	0.229	13.7	228.9	3,627.3
16-Jun	14:45	0.040	0.90	0.218	0.092	5.5	92.2	1,460.9
27-Jul	11:15	0.020	0.85	0.182	0.045	2.7	45.0	712.6
31-Aug	09:30	0.012	0.85	0.202	0.077	4.6	76.9	1,219.1



Viceroy Minerals Corporation

Brewery Creek Mine

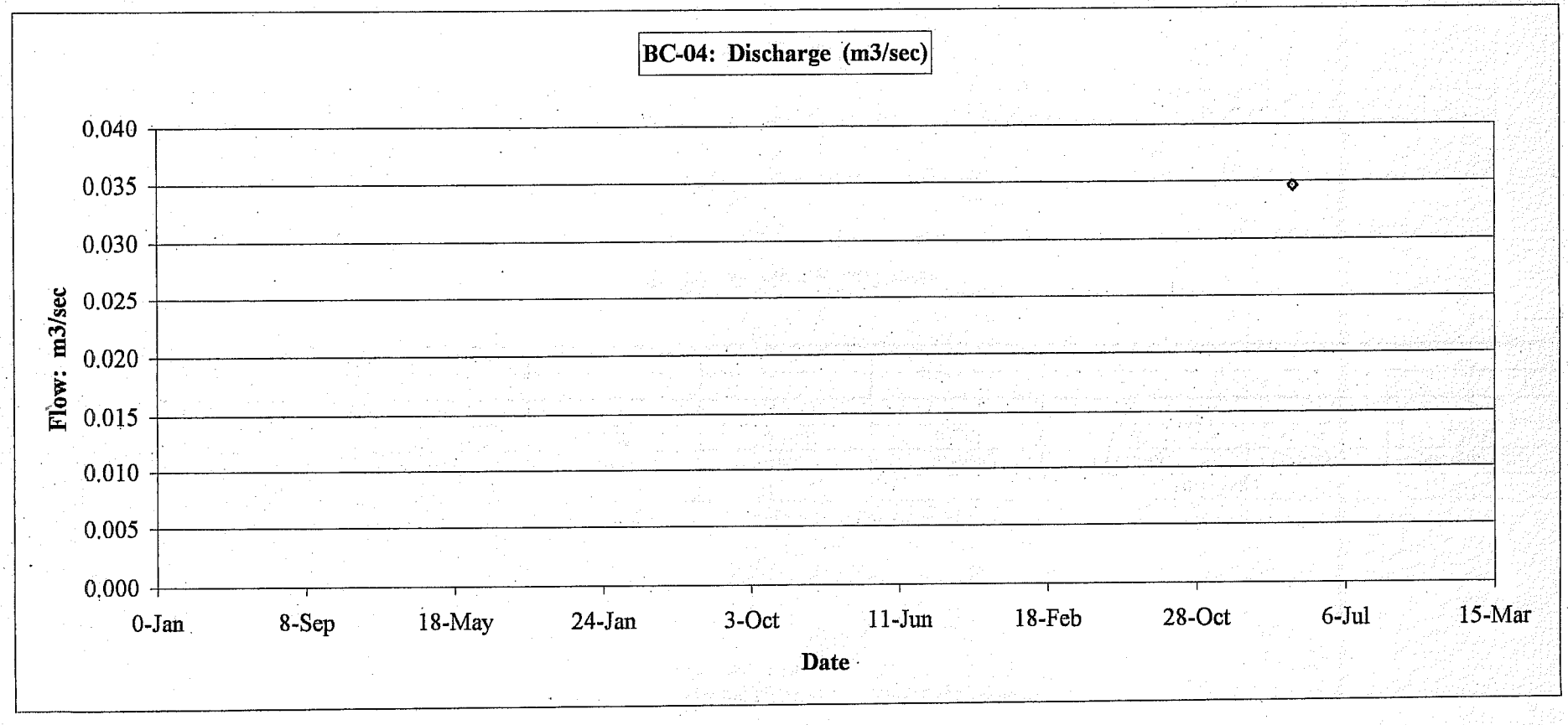
Monitoring Pursuant to Water License QZ96-007

Site Flows

HYDROLOGY DATA: Flow Rates 2004

Station ID: BC-04
Description: Lucky Creek

Date (m/d/y)	Time	Staff Gauge (m)	Width (m)	Area (m2)	Discharge			
					(m3/sec)	(m3/min)	(L/sec)	(US gal/min)
22-Sep	11:15	n/a	1.50	0.171	0.035	2.1	34.6	548.6



Viceroy Minerals Corporation

Brewery Creek Mine

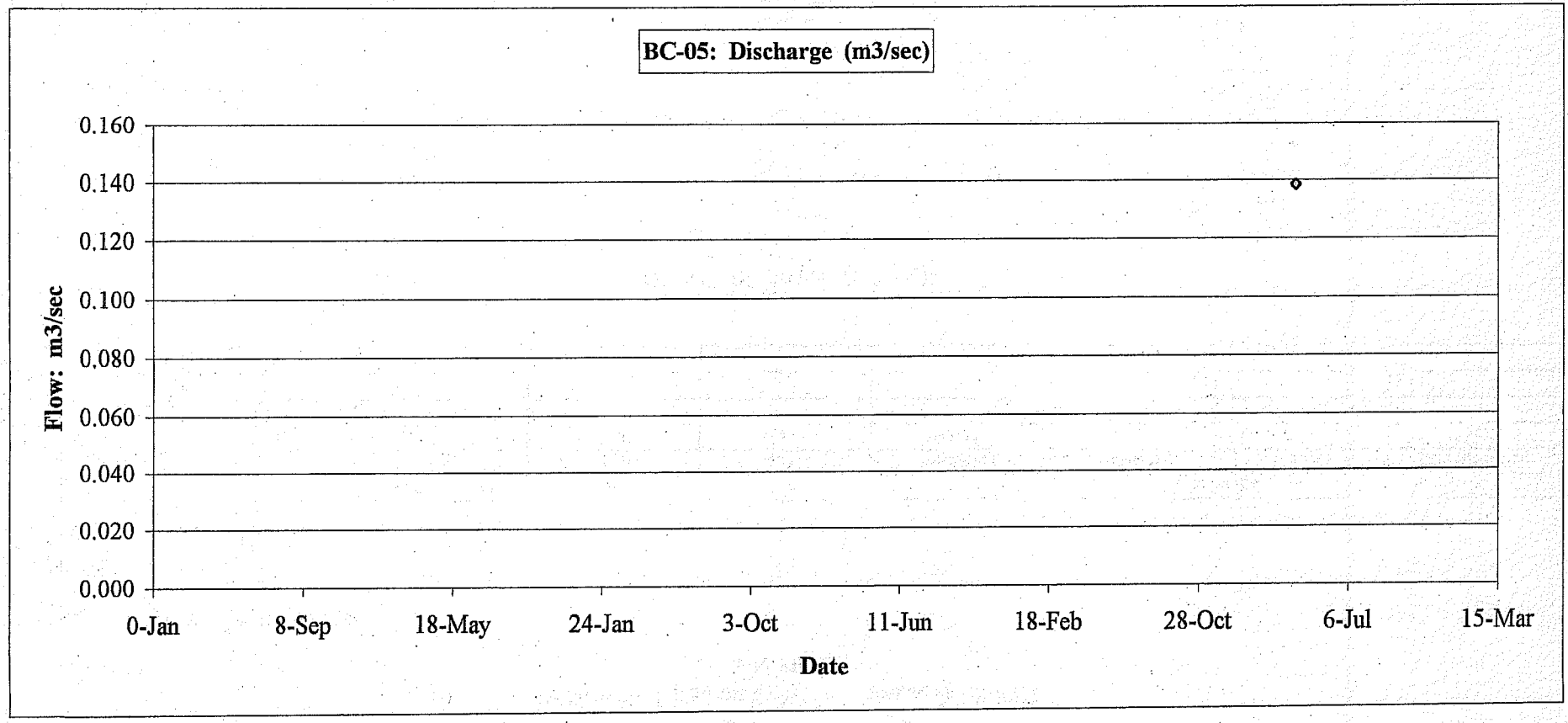
Monitoring Pursuant to Water License QZ96-007

Site Flows

HYDROLOGY DATA: Flow Rates 2004

Station ID: BC-05
Description: Pacific Creek u/s from confluence with Lee Creek

Date (m/d/y)	Time	Staff Gauge (m)	Width (m)	Area (m2)	Discharge			
					(m3/sec)	(m3/min)	(L/sec)	(US gal/min)
22-Sep	09:30	0.300	2.20	0.386	0.138	8.3	138.4	2,193.1

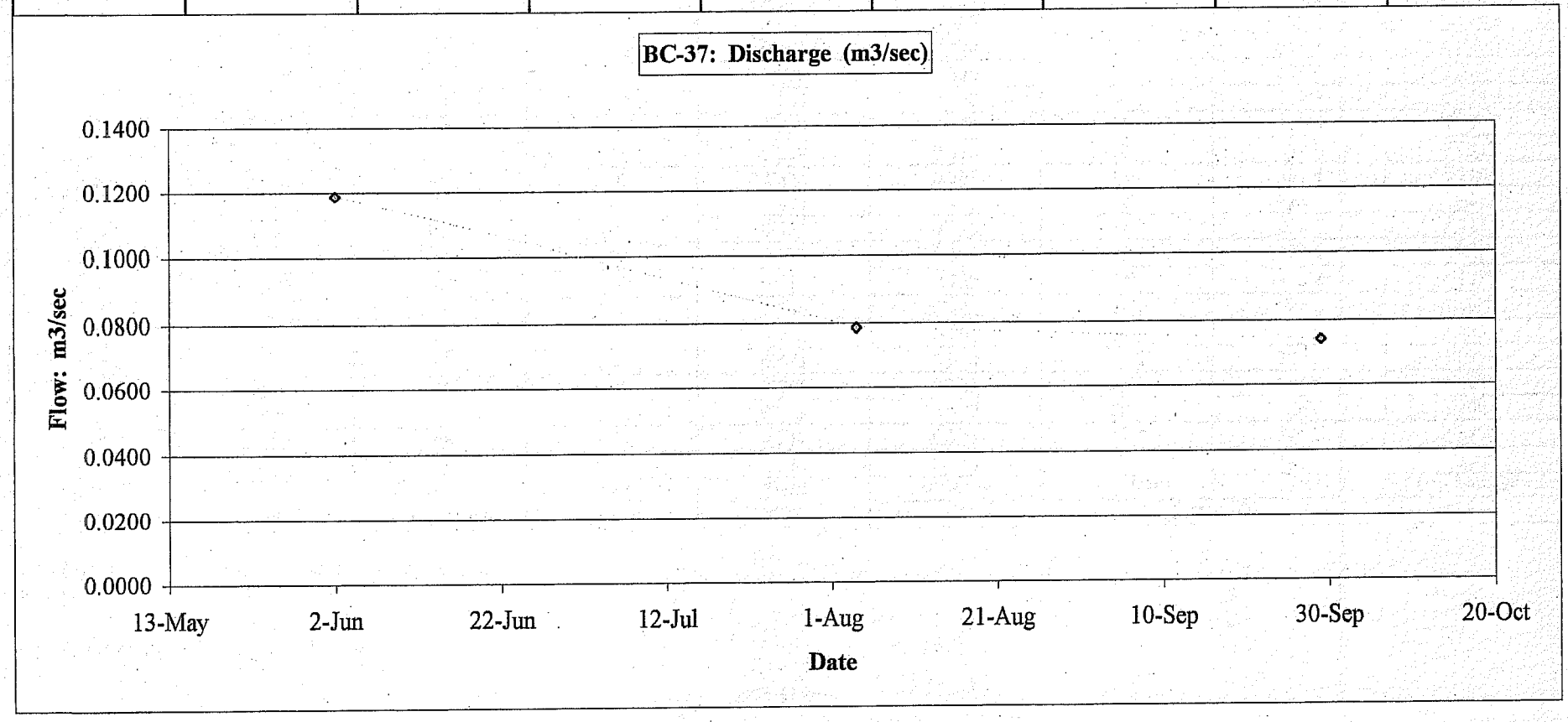


Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Site Flows

HYDROLOGY DATA: Flow Rates 2004

Station ID: BC-39
Description: Laura Creek at confluence of South Klondike

Date (m/d/y)	Time	Staff Gauge (m)	Width (m)	Area (m2)	Discharge			
					(m3/sec)	(m3/min)	(L/sec)	(US gal/min)
2-Jun	18:30	n/a	1.95	0.576	0.119	7.1	118.7	1,881.1
4-Aug	16:30	0.670	1.20	0.140	0.079	4.7	78.7	1,247.4
29-Sep	13:00	0.360	1.30	0.311	0.074	4.5	74.5	1,180.6



Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Site Flows

HYDROLOGY DATA: Flow Rates 2004

Station ID: Pump House
Description: Laura Creek 200M upstream of BC-3

Date (m/d/y)	Time	Staff Gauge (m)	Width (m)	Area (m2)	Discharge			
					(m3/sec)	(m3/min)	(L/sec)	(US gal/min)
10-May	04:20	n/a	0.55	0.143	0.110	6.6	109.8	1,740.1
11-May	04:00	n/a	1.23	0.226	0.251	15.1	251.5	3,986.0
12-May	04:00	n/a	1.05	0.417	0.480	28.8	479.9	7,606.3
12-May	08:00	n/a	0.90	0.241	0.287	17.2	287.4	4,554.7
13-May	03:50	n/a	1.05	0.437	0.570	34.2	569.9	9,033.7
13-May	08:05	n/a	1.05	0.457	0.601	36.0	600.8	9,522.6
14-May	04:00	n/a	1.05	0.492	0.685	41.1	684.6	10,851.2
14-May	08:30	n/a	1.05	0.416	0.578	34.7	577.8	9,158.0
17-May	07:45	n/a	1.05	0.525	0.705	42.3	705.4	11,181.5
18-May	08:15	n/a	1.05	0.419	0.522	31.3	522.1	8,274.8
19-May	04:30	n/a	1.05	0.363	0.402	24.1	402.0	6,371.8
20-May	08:00	n/a	1.05	0.297	0.291	17.5	291.4	4,619.2
21-May	04:10	n/a	1.00	0.338	0.229	13.7	228.9	3,627.3
21-May	08:15	n/a	1.05	0.232	0.191	11.5	191.4	3,034.1
25-May	04:30	n/a	1.15	0.302	0.335	20.1	335.3	5,314.5
25-May	08:00	n/a	1.15	0.260	0.238	14.3	237.9	3,770.3
26-May	08:00	n/a	1.15	0.367	0.420	25.2	420.2	6,660.1
27-May	08:30	n/a	1.15	0.257	0.262	15.7	262.3	4,156.8
28-May	08:00	n/a	1.15	0.227	0.194	11.6	193.5	3,067.5
31-May	08:00	n/a	1.15	0.178	0.126	7.5	125.6	1,991.0
1-Jun	07:55	n/a	1.15	0.195	0.139	8.3	138.6	2,196.9
2-Jun	16:00	n/a	1.15	0.251	0.212	12.7	212.1	3,361.7
2-Jun	11.:15	n/a	1.15	0.233	0.184	11.0	184.1	2,917.3
3-Jun	08:00	n/a	1.15	0.320	0.328	19.7	327.7	5,193.4
3-Jun	15:45	n/a	1.15	0.289	0.276	16.6	276.1	4,376.7
3-Jun	15:55	n/a	1.15	0.276	0.260	15.6	260.5	4,128.4
4-Jun	08:15	n/a	1.15	0.242	0.209	12.5	208.8	3,309.2
7-Jun	08:15	n/a	1.15	0.183	0.135	8.1	135.2	2,143.4
8-Jun	09:00	n/a	1.15	0.172	0.131	7.9	131.3	2,081.3
9-Jun	09:00	n/a	1.15	0.194	0.138	8.3	137.5	2,179.5
10-Jun	08:10	n/a	1.15	0.185	0.129	7.7	128.8	2,041.4
11-Jun	07:50	n/a	1.15	0.177	0.124	7.4	123.9	1,964.3

Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Site Flows

14-Jun	08:00	n/a	1.15	0.179	0.114	6.9	114.2	1,810.2
15-Jun	03:45	n/a	1.15	0.167	0.104	6.2	104.1	1,650.7
15-Jun	08:00	n/a	1.15	0.180	0.112	6.7	111.6	1,768.6
16-Jun	08:00	n/a	1.15	0.153	0.098	5.9	98.2	1,556.2
16-Jun	14:10	n/a	1.15	0.160	0.097	5.8	97.0	1,537.8
17-Jun	07:45	n/a	1.15	0.168	0.103	6.2	103.2	1,635.4
5-Jul	08:05	n/a	1.15	0.136	0.075	4.5	74.6	1,183.1
6-Jul	07:50	n/a	1.15	0.141	0.066	4.0	66.0	1,045.4
12-Jul	12:30	n/a	1.15	0.125	0.064	3.8	64.0	1,014.3
13-Jul	14:30	n/a	1.15	0.142	0.067	4.0	66.9	1,060.8
14-Jul	12:30	n/a	1.15	0.130	0.070	4.2	69.6	1,103.6
15-Jul	13:30	n/a	1.15	0.122	0.064	3.8	64.0	1,014.5
16-Jul	08:30	n/a	1.15	0.145	0.065	3.9	64.5	1,023.0
19-Jul	09:00	n/a	1.15	0.133	0.063	3.8	63.2	1,001.3
20-Jul	08:00	n/a	1.15	0.142	0.066	4.0	66.3	1,051.5
21-Jul	14:00	n/a	1.15	0.131	0.070	4.2	69.8	1,105.8
22-Jul	16:00	n/a	1.15	0.140	0.072	4.3	72.4	1,147.7
23-Jul	08:20	n/a	1.15	0.144	0.067	4.0	66.5	1,054.2
26-Jul	09:45	n/a	1.15	0.157	0.083	5.0	82.8	1,312.2
27-Jul	07:50	n/a	1.15	0.153	0.080	4.8	80.3	1,272.8
28-Jul	06:45	n/a	1.15	0.146	0.077	4.6	76.6	1,214.8
29-Jul	07:45	n/a	1.15	0.533	0.619	37.1	619.1	9,813.3
30-Jul	07:45	n/a	1.15	0.359	0.483	29.0	482.7	7,651.0
2-Aug	08:05	n/a	1.15	0.224	0.224	13.4	223.8	3,547.6
3-Aug	07:40	n/a	1.15	0.199	0.175	10.5	175.2	2,777.1
4-Aug	08:00	n/a	1.15	0.190	0.159	9.5	158.7	2,515.1
6-Aug	08:00	n/a	1.15	0.158	0.095	5.7	95.3	1,510.4
9-Aug	07:50	n/a	1.15	0.156	0.114	6.9	114.2	1,809.9
10-Aug	07:50	n/a	1.15	0.158	0.126	7.6	126.1	1,997.9
12-Aug	08:00	n/a	1.15	0.155	0.109	6.6	109.5	1,735.1
13-Aug	07:30	n/a	1.15	0.147	0.114	6.8	113.9	1,805.5
17-Aug	07:30	n/a	1.15	0.151	0.111	6.6	110.6	1,753.0
18-Aug	15:00	n/a	1.15	0.133	0.098	5.9	98.4	1,558.9
19-Aug	08:15	n/a	1.15	0.148	0.111	6.7	111.3	1,763.7
20-Aug	08:45	n/a	1.15	0.133	0.095	5.7	95.0	1,505.1
23-Aug	10:30	n/a	1.15	0.149	0.097	5.8	96.6	1,530.4
24-Aug	07:15	n/a	1.15	0.143	0.093	5.6	92.8	1,470.5
25-Aug	07:45	n/a	1.15	0.133	0.088	5.3	87.9	1,392.6
26-Aug	08:00	n/a	1.15	0.139	0.087	5.2	87.3	1,383.0

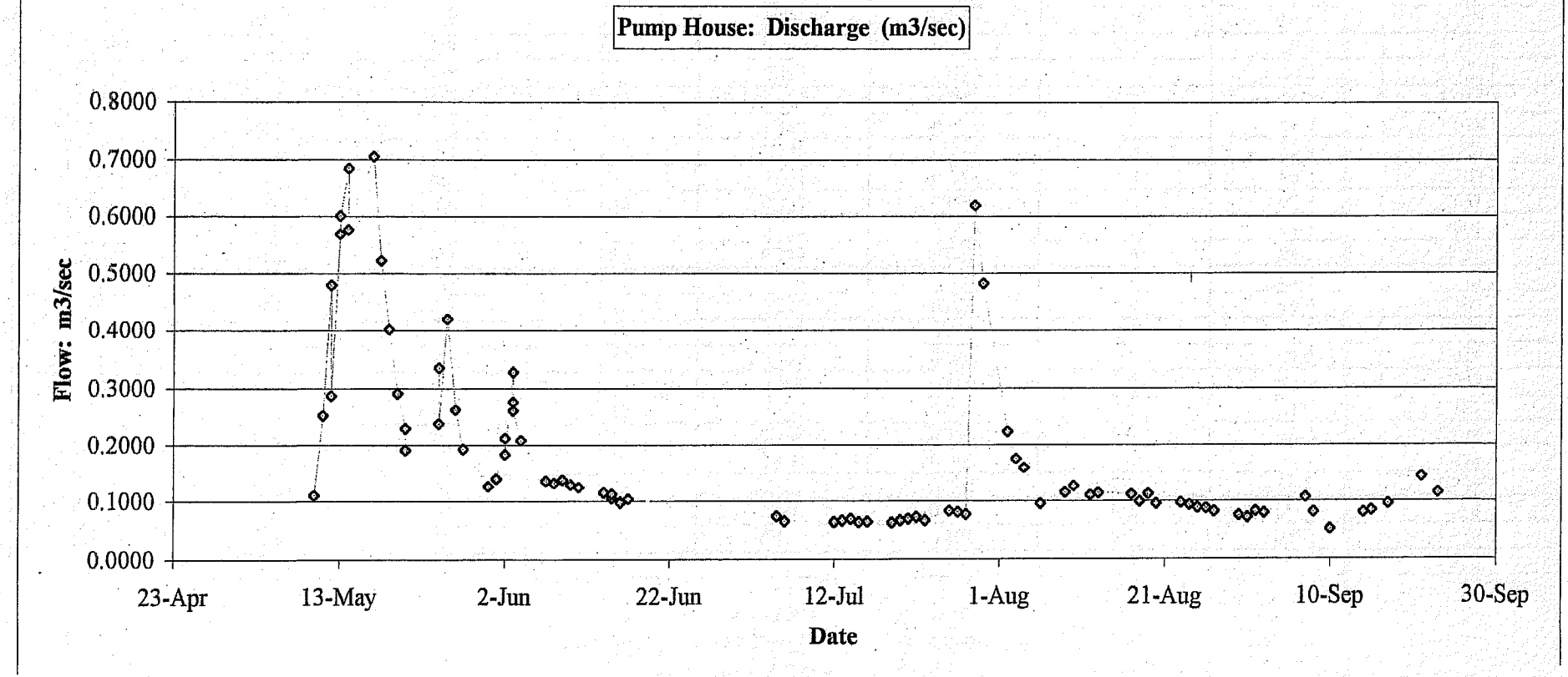
Viceroy Minerals Corporation

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Site Flows

27-Aug	07:40	n/a	1.15	0.125	0.082	4.9	81.6	1,293.4
30-Aug	07:30	n/a	1.15	0.126	0.075	4.5	75.2	1,191.5
31-Aug	09:00	n/a	1.15	0.118	0.072	4.3	71.7	1,136.8
1-Sep	07:30	n/a	1.15	0.129	0.082	4.9	81.6	1,293.7
2-Sep	07:40	n/a	1.15	0.127	0.079	4.7	79.1	1,253.4
7-Sep	16:15	n/a	1.15	0.139	0.106	6.4	105.9	1,678.5
8-Sep	14:15	n/a	1.15	0.160	0.081	4.9	81.2	1,286.3
10-Sep	11:03	n/a	1.15	0.130	0.052	3.1	51.5	816.9
14-Sep	16:30	n/a	1.15	0.123	0.080	4.8	79.5	1,260.2
15-Sep	16:15	n/a	1.15	0.129	0.084	5.0	83.8	1,328.0
17-Sep	14:15	n/a	1.15	0.147	0.095	5.7	94.9	1,503.7
21-Sep	15:30	n/a	1.15	0.190	0.143	8.6	142.8	2,263.6
23-Sep	12:30	n/a	1.15	0.156	0.113	6.8	113.3	1,795.8



Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		10-May-04	4:20	n/a	0.55	0.00	0.55	0.143	0.110	6.587	109.8	1,740.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
3	Totals	0.15	0.30	0.45								
Width (m)	0.550	0.23	0.15	0.18								
Depth (m)	Enter >>>>>	0.26	0.26	0.26								
Area (m2)	0.143	0.059	0.039	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.75	0.78	0.78								
Discharge (m3/sec)	0.110	0.044	0.030	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		11-May-04	4:00	n/a	2.43	1.20	1.23	0.226	0.251	15.089	251.5	3,986.0
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	2.05	2.20	2.30
Width (m)	1.230	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.13	0.13	0.18
Depth (m)	Enter >>>>>	0.15	0.17	0.17	0.17	0.18	0.21	0.21	0.19	0.20	0.20	0.17
Area (m2)	0.226	0.015	0.017	0.017	0.017	0.018	0.021	0.021	0.019	0.025	0.025	0.031
Velocity (m/sec)	Enter >>>>>	1.15	1.18	0.98	1.20	1.24	1.23	1.14	1.18	1.14	1.05	0.91
Discharge (m3/sec)	0.251	0.017	0.020	0.017	0.020	0.022	0.026	0.024	0.022	0.029	0.026	0.028

STATION ID:	BC-02	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		11-May-04	4:20	n/a	0.40	0.00	0.40	0.040	0.034	2.058	34.3	543.7
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
3	Totals	0.10	0.20	0.30								
Width (m)	0.400	0.15	0.10	0.15								
Depth (m)	Enter >>>>>	0.10	0.10	0.10								
Area (m2)	0.040	0.015	0.010	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	1.12	0.70	0.70								
Discharge (m3/sec)	0.034	0.017	0.007	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	BC-02 trib	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		11-May-04	11:14	n/a	0.50	0.00	0.50	0.075	0.053	3.150	52.5	832.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
1	Totals	0.25										
Width (m)	0.500	0.50										
Depth (m)	Enter >>>>>	0.15										
Area (m2)	0.075	0.075	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)		0.70										
Discharge (m3/sec)	0.053	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		12-May-04	8:00	n/a	2.45	1.55	0.90	0.241	0.287	17.242	287.4	4,554.7
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
8	Totals	1.65	1.75	1.85	1.95	2.05	2.15	2.25	2.35			
Width (m)	0.900	0.15	0.10	0.10	0.10	0.10	0.10	0.10	0.15			
Depth (m)	Enter >>>>>	0.24	0.28	0.28	0.30	0.28	0.25	0.27	0.26			
Area (m2)	0.241	0.036	0.028	0.028	0.030	0.028	0.025	0.027	0.039	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.68	0.78	1.33	1.35	1.48	1.44	1.36	1.26			
Discharge (m3/sec)	0.287	0.024	0.022	0.037	0.040	0.041	0.036	0.037	0.049	0.000	0.000	0.000

STATION ID:	BC-37	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		12-May-04	11:20	n/a	7.20	3.20	4.00	0.860	0.468	28.061	467.7	7,412.9
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	3.40	3.80	4.20	4.60	5.00	5.40	5.80	6.20	6.60	7.00	
Width (m)	4.000	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
Depth (m)	Enter >>>>>	0.18	0.27	0.28	0.28	0.31	0.26	0.23	0.13	0.11	0.10	
Area (m2)	0.860	0.072	0.108	0.112	0.112	0.124	0.104	0.092	0.052	0.044	0.040	0.000
Velocity (m/sec)	Enter >>>>>	0.56	0.70	0.70	0.59	0.81	0.52	0.32	0.14	0.21	0.17	
Discharge (m3/sec)	0.468	0.040	0.076	0.078	0.066	0.100	0.054	0.029	0.007	0.009	0.007	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	BC-37 Ditch-trib.	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		12-May-04	11:30	n/a	9.80	8.90	0.90	0.075	0.015	0.878	14.6	231.8
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
4	*Totals*	9.10	9.30	9.50	9.80							
Width (m)	0.900	0.30	0.20	0.25	0.15							
Depth (m)	Enter >>>>>	0.10	0.10	0.07	0.05							
Area (m2)	0.075	0.030	0.020	0.018	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.27	0.18	0.12	0.11							
Discharge (m3/sec)	0.015	0.008	0.004	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000

STATION ID:	BC-01	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		12-May-04	11:45	n/a	4.90	1.40	3.50	0.849	0.454	27.254	454.2	7,199.7
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.70	2.00	2.30	2.60	2.90	3.20	3.50	3.80	4.10	4.40	
Width (m)	3.500	0.45	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.65	
Depth (m)	Enter >>>>>	0.12	0.20	0.28	0.29	0.34	0.32	0.32	0.28	0.23	0.18	
Area (m2)	0.849	0.054	0.060	0.084	0.087	0.102	0.096	0.096	0.084	0.069	0.117	0.000
Velocity (m/sec)	Enter >>>>>	0.34	0.33	0.38	0.45	0.66	0.85	0.85	0.66	0.33	0.31	
Discharge (m3/sec)	0.454	0.018	0.020	0.032	0.039	0.067	0.082	0.082	0.055	0.023	0.036	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		12-May-04	4:00	n/a	2.05	1.00	1.05	0.417	0.480	28.793	479.9	7,606.2516
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.37	0.38	0.38	0.40	0.41	0.41	0.43	0.41	0.42	0.37	
Area (m2)	0.417	0.037	0.038	0.038	0.040	0.041	0.041	0.043	0.041	0.042	0.055	0.000
Velocity (m/sec)	Enter >>>>>	1.28	1.26	1.38	1.39	1.50	1.39	0.95	0.91	0.82	0.82	
Discharge (m3/sec)	0.480	0.047	0.048	0.052	0.056	0.062	0.057	0.041	0.037	0.034	0.046	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		13-May-04	8:05	n/a	2.05	1.00	1.05	0.457	0.601	36.047	600.8	9,522.6
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.41	0.43	0.43	0.44	0.45	0.43	0.44	0.46	0.43	0.43	
Area (m2)	0.457	0.041	0.043	0.043	0.044	0.045	0.043	0.044	0.046	0.043	0.064	0.000
Velocity (m/sec)	Enter >>>>>	1.36	1.43	1.56	1.60	1.60	1.50	1.20	1.08	1.02	0.98	
Discharge (m3/sec)	0.601	0.056	0.061	0.067	0.070	0.072	0.065	0.053	0.050	0.044	0.063	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		13-May-04	3:50	n/a	2.05	1.00	1.05	0.437	0.570	34.196	569.9	9,033.7
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.40	0.38	0.38	0.39	0.43	0.43	0.43	0.45	0.46	0.41	
Area (m2)	0.437	0.040	0.038	0.038	0.039	0.043	0.043	0.043	0.045	0.046	0.061	0.000
Velocity (m/sec)	Enter >>>>>	1.36	1.48	1.45	1.57	1.51	1.52	1.30	1.03	0.93	1.1	
Discharge (m3/sec)	0.570	0.054	0.056	0.055	0.061	0.065	0.065	0.056	0.046	0.043	0.068	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		14-May-04	8:30	n/a	2.05	1.00	1.05	0.416	0.578	34.667	577.8	9,158.0
		Temp.	Cond.	PH								
		1.0										

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.33	0.39	0.37	0.38	0.40	0.38	0.43	0.43	0.42	0.42	
Area (m2)	0.416	0.033	0.039	0.037	0.038	0.040	0.038	0.043	0.043	0.042	0.063	0.000
Velocity (m/sec)	Enter >>>>>	1.42	1.45	1.47	1.60	1.57	1.51	1.40	1.14	1.29	1.2	
Discharge (m3/sec)	0.578	0.047	0.057	0.054	0.061	0.063	0.057	0.060	0.049	0.054	0.076	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		14-May-04	4:00	n/a	2.05	1.00	1.05	0.492	0.685	41.076	684.6	10,851.2
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.41	0.42	0.44	0.44	0.46	0.50	0.51	0.53	0.50	0.47	
Area (m2)	0.492	0.041	0.042	0.044	0.044	0.046	0.050	0.051	0.053	0.050	0.070	0.000
Velocity (m/sec)	Enter >>>>>	1.39	1.50	1.60	1.70	1.58	1.48	1.32	1.25	1.19	1.13	
Discharge (m3/sec)	0.685	0.057	0.063	0.070	0.075	0.073	0.074	0.067	0.066	0.060	0.080	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		17-May-04	7:45	n/a	2.05	1.00	1.05	0.525	0.705	42.326	705.4	11,181.5
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.47	0.47	0.49	0.53	0.51	0.53	0.53	0.49	0.48	0.50	
Area (m2)	0.525	0.047	0.047	0.049	0.053	0.051	0.053	0.053	0.049	0.048	0.075	0.000
Velocity (m/sec)	Enter >>>>>	1.60	1.60	1.74	1.67	1.57	1.58	1.14	0.98	0.99	0.82	
Discharge (m3/sec)	0.705	0.075	0.075	0.085	0.089	0.080	0.084	0.060	0.048	0.048	0.061	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		18-May-04	8:15	n/a	2.05	1.00	1.05	0.419	0.522	31.324	522.1	8,274.8
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.37	0.38	0.38	0.38	0.42	0.42	0.43	0.43	0.38	0.40	
Area (m2)	0.419	0.037	0.038	0.038	0.038	0.042	0.042	0.043	0.043	0.038	0.060	0.000
Velocity (m/sec)	Enter >>>>>	1.51	1.64	1.51	1.45	1.54	1.43	1.41	0.96	0.63	0.68	
Discharge (m3/sec)	0.522	0.056	0.062	0.057	0.055	0.065	0.060	0.061	0.041	0.024	0.041	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		19-May-04	4:30	n/a	2.05	1.00	1.05	0.363	0.402	24.120	402.0	6,371.8
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.31	0.34	0.37	0.36	0.34	0.35	0.36	0.36	0.33	0.34	
Area (m2)	0.363	0.031	0.034	0.037	0.036	0.034	0.035	0.036	0.036	0.033	0.051	0.000
Velocity (m/sec)	Enter >>>>>	1.40	1.36	1.43	1.56	1.60	1.20	0.84	0.70	0.57	0.64	
Discharge (m3/sec)	0.402	0.043	0.046	0.053	0.056	0.054	0.042	0.030	0.025	0.019	0.033	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		20-May-04	8:00	n/a	2.05	1.00	1.05	0.297	0.291	17.486	291.4	4,619.2
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.29	0.27	0.31	0.32	0.30	0.29	0.27	0.26	0.25	0.27	
Area (m2)	0.297	0.029	0.027	0.031	0.032	0.030	0.029	0.027	0.026	0.025	0.040	0.000
Velocity (m/sec)	Enter >>>>>	1.20	1.36	1.46	1.41	1.25	0.99	0.83	0.50	0.29	0.51	
Discharge (m3/sec)	0.291	0.035	0.037	0.045	0.045	0.038	0.029	0.022	0.013	0.007	0.021	0.000

STATION ID:	BC-01	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		20-May-04	2:10	0.48	2.20	0.75	1.45	1.134	0.292	17.501	291.7	4,623.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
7	Totals	0.90	1.10	1.30	1.50	1.70	1.90	2.00				
Width (m)	1.450	0.25	0.20	0.20	0.20	0.20	0.15	0.25				
Depth (m)	Enter >>>>>	0.70	0.74	0.79	0.80	0.84	0.83	0.80				
Area (m2)	1.134	0.175	0.148	0.158	0.160	0.168	0.125	0.200	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.10	0.08	0.28	0.34	0.55	0.38	0.12				
Discharge (m3/sec)	0.292	0.018	0.012	0.044	0.054	0.092	0.047	0.024	0.000	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
	BC 3	20-May-04	4:00		3.45	2.45	1.00	0.338	0.229	13.731	228.9	3,627.3
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
8	Totals	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20			
Width (m)	1.000	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.30			
Depth (m)	Enter >>>>>	0.14	0.23	0.37	0.58	0.60	0.59	0.60	0.09			
Area (m2)	0.338	0.014	0.023	0.037	0.058	0.060	0.059	0.060	0.027	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.23	0.43	0.24	0.50	0.85	0.94	0.92	0.60			
Discharge (m3/sec)	0.229	0.003	0.010	0.009	0.029	0.051	0.055	0.055	0.016	0.000	0.000	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank	Right Bank	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
	Pump House	21-May-04	8:15		2.05	1.00	1.05	0.232	0.191	11.485	191.4	3,034.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.050	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.22	0.23	0.23	0.23	0.24	0.23	0.20	0.20	0.21	0.22	
Area (m2)	0.232	0.022	0.023	0.023	0.023	0.024	0.023	0.020	0.020	0.021	0.033	0.000
Velocity (m/sec)	Enter >>>>>	1.34	1.38	1.26	1.36	1.08	0.65	0.50	0.31	0.22	0.25	
Discharge (m3/sec)	0.191	0.029	0.032	0.029	0.031	0.026	0.015	0.010	0.006	0.005	0.008	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m2)	Discharge (m3/sec)	Discharge (m3/min)	Discharge (L/sec)	Discharge (USGPM)
	Pump House	21-May-04	4:10		2.05	0.90	1.00	0.338	0.229	13.731	228.9	3,627.3
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.25	0.22	0.23	0.23	0.22	0.23	0.22	0.22	0.21	0.23	
Area (m2)	0.263	0.050	0.022	0.023	0.023	0.022	0.023	0.022	0.022	0.021	0.034	0.000
Velocity (m/sec)	Enter >>>>>	1.20	1.41	1.26	1.38	1.25	0.90	0.67	0.40	0.25	0.33	
Discharge (m3/sec)	0.240	0.060	0.031	0.029	0.032	0.028	0.021	0.015	0.009	0.005	0.011	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		25-May-04	8:00		2.05	0.90	1.15	0.260	0.238	14.272	237.9	3,770.3
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.23	0.24	0.25	0.23	0.23	0.23	0.21	0.21	0.22	0.21	
Area (m2)	0.260	0.046	0.024	0.025	0.023	0.023	0.023	0.021	0.021	0.022	0.031	0.000
Velocity (m/sec)	Enter >>>>>	1.30	1.24	1.26	1.36	1.23	1.04	0.57	0.41	0.35	0.16	
Discharge (m3/sec)	0.238	0.060	0.030	0.032	0.031	0.028	0.024	0.012	0.009	0.008	0.005	0.000

STATION ID:	BC 1	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		27-May-04	10:00		2.10	0.80	1.30	1.020	0.284	17.029	283.8	4,498.5
		Temp.	Cond.	PH								
		1.0	292	8.00								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
13	*Totals*	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90
Width (m)	1.300	0.15	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Depth (m)	Enter >>>>>	0.71	0.71	0.74	0.75	0.80	0.81	0.83	0.84	0.83	0.82	0.82
Area (m2)	1.020	0.107	0.071	0.074	0.075	0.080	0.081	0.083	0.084	0.083	0.082	0.082
Velocity (m/sec)	Enter >>>>>	0.10	0.10	0.07	0.11	0.24	0.24	0.42	0.58	0.60	0.50	0.28
Discharge (m3/sec)	0.284	0.011	0.007	0.005	0.008	0.019	0.019	0.035	0.049	0.050	0.041	0.023

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		1-Jun-04	7:55	n/a	2.05	0.90	1.15	0.195	0.139	8.316	138.6	2,196.9
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.14	0.14	0.17	0.19	0.19	0.18	0.17	0.17	0.17	
Area (m2)	0.195	0.034	0.014	0.014	0.017	0.019	0.019	0.018	0.017	0.017	0.025	0.000
Velocity (m/sec)	Enter >>>>>	0.99	1.28	1.30	1.17	0.90	0.83	0.51	0.25	0.14	0.01	
Discharge (m3/sec)	0.139	0.034	0.018	0.018	0.020	0.017	0.016	0.009	0.004	0.002	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		2-Jun-04	11.:15	n/a	2.05	0.90	1.15	0.233	0.184	11.043	184.1	2,917.3
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.21	0.20	0.19	0.20	0.20	0.21	0.20	0.21	0.20	0.20	
Area (m2)	0.233	0.042	0.020	0.019	0.020	0.020	0.021	0.020	0.021	0.020	0.030	0.000
Velocity (m/sec)	Enter >>>>>	1.13	1.11	1.38	1.37	1.06	0.93	0.56	0.24	0.16	0.02	
Discharge (m3/sec)	0.184	0.047	0.022	0.026	0.027	0.021	0.020	0.011	0.005	0.003	0.001	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		3-Jun-04	8:00	n/a	2.05	0.90	1.15	0.320	0.328	19.659	327.7	5,193.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.28	0.28	0.29	0.30	0.29	0.28	0.27	0.27	0.27	0.26	
Area (m2)	0.320	0.056	0.028	0.029	0.030	0.029	0.028	0.027	0.027	0.027	0.039	0.000
Velocity (m/sec)	Enter >>>>>	1.45	1.45	1.35	1.26	1.28	1.03	0.76	0.60	0.35	0.43	
Discharge (m3/sec)	0.328	0.081	0.041	0.039	0.038	0.037	0.029	0.021	0.016	0.009	0.017	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		2-Jun-04	16:00	n/a	2.05	0.90	1.15	0.251	0.212	12.725	212.1	3,361.7
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.27	0.21	0.20	0.22	0.22	0.23	0.20	0.22	0.20	0.18	
Area (m2)	0.251	0.054	0.021	0.020	0.022	0.022	0.023	0.020	0.022	0.020	0.027	0.000
Velocity (m/sec)		1.11	1.27	1.43	1.30	1.10	0.81	0.56	0.38	0.2	0.07	
Discharge (m3/sec)	0.212	0.060	0.027	0.029	0.029	0.024	0.019	0.011	0.008	0.004	0.002	0.000

STATION ID:	BC 37	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		2-Jun-04	21:20	n/a	3.70	2.00	1.70	0.925	0.349	20.939	349.0	5,531.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
7	Totals	2.10	2.30	2.50	2.70	3.10	3.30	3.50				
Width (m)	1.500	0.20	0.20		0.30	0.30	0.20	0.30				
Depth (m)	Enter >>>>>	0.54	0.58	0.62	0.64	0.64	0.64	0.63				
Area (m2)	0.925	0.108	0.116	0.000	0.192	0.192	0.128	0.189	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.41	0.43	0.49	0.57	0.44	0.21	0.18				
Discharge (m3/sec)	0.349	0.044	0.050	0.000	0.109	0.084	0.027	0.034	0.000	0.000	0.000	0.000

STATION ID:	BC 39	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		2-Jun-04	18:30	n/a	3.05	1.10	1.95	0.576	0.119	7.121	118.7	1,881.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.10	1.30	1.50	1.70	1.90	2.10	2.30	2.50	2.70	2.90	
Width (m)	1.950	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.25	
Depth (m)	Enter >>>>>	0.22	0.26	0.28	0.34	0.40	0.46	0.41	0.28	0.22	0.10	
Area (m2)	0.576	0.022	0.052	0.056	0.067	0.080	0.092	0.082	0.056	0.044	0.025	0.000
Velocity (m/sec)	Enter >>>>>	0.03	0.11	0.16	0.29	0.28	0.18	0.25	0.21	0.26	0.05	
Discharge (m3/sec)	0.119	0.001	0.006	0.009	0.019	0.022	0.017	0.021	0.012	0.011	0.001	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
	BC 54	2-Jun-04	20:15	n/a	2.70	1.00	1.70	1.068	0.332	19.942	332.4	5,268.0
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
6	*Totals*	1.30	1.50	1.70	1.90	2.10	2.50					
Width (m)	1.700	0.40	0.20	0.20	0.20	0.30	0.40					
Depth (m)	Enter >>>>>	0.56	0.70	0.76	0.73	0.82	0.40					
Area (m2)	1.068	0.224	0.140	0.152	0.146	0.246	0.160	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.32	0.33	0.34	0.35	0.35	0.16					
Discharge (m3/sec)	0.332	0.072	0.046	0.052	0.051	0.086	0.026	0.000	0.000	0.000	0.000	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
	Pump House	3-Jun-04	15:45	n/a	2.05	0.90	1.15	0.289	0.276	16.568	276.1	4,376.7
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.26	0.26	0.26	0.28	0.27	0.24	0.24	0.24	0.23	0.23	
Area (m2)	0.289	0.052	0.026	0.026	0.028	0.027	0.024	0.024	0.024	0.023	0.034	0.000
Velocity (m/sec)	Enter >>>>>	1.20	1.35	1.34	1.32	1.28	0.99	0.80	0.44	0.29	0.35	
Discharge (m3/sec)	0.276	0.062	0.035	0.035	0.037	0.035	0.024	0.019	0.011	0.007	0.012	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
	LcPh env. Can	3-Jun-04	15:55	n/a	2.05	0.90	1.15	0.276	0.260	15.628	260.5	4,128.3743
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.24	0.24	0.26	0.25	0.26	0.24	0.23	0.24	0.23	0.22	
Area (m2)	0.276	0.048	0.024	0.026	0.025	0.026	0.024	0.023	0.024	0.023	0.033	0.000
Velocity (m/sec)	Enter >>>>>	1.36	1.40	1.36	1.48	1.13	0.85	0.55	0.40	0.36	0.27	
Discharge (m3/sec)	0.260	0.065	0.034	0.035	0.037	0.029	0.020	0.013	0.010	0.008	0.009	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		4-Jun-04	8:15	n/a	2.05	0.90	1.15	0.242	0.209	12.527	208.8	3,309.2
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.22	0.22	0.22	0.23	0.22	0.20	0.21	0.20	0.18	0.20	
Area (m2)	0.242	0.044	0.022	0.022	0.023	0.022	0.020	0.021	0.020	0.018	0.030	0.000
Velocity (m/sec)	Enter >>>>>	1.19	1.17	1.44	1.30	0.98	0.87	0.74	0.34	0.2	0.14	
Discharge (m3/sec)	0.209	0.052	0.026	0.032	0.030	0.022	0.017	0.016	0.007	0.004	0.004	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		7-Jun-04	8:15	n/a	2.05	0.90	1.15	0.183	0.135	8.114	135.2	2,143.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.18	0.19	0.18	0.17	0.15	0.14	0.14	0.15	0.14	0.14	
Area (m2)	0.183	0.036	0.019	0.018	0.017	0.015	0.014	0.014	0.015	0.014	0.021	0.000
Velocity (m/sec)	Enter >>>>>	0.99	0.98	1.37	1.07	0.99	0.98	0.40	0.24	0.01	0.01	
Discharge (m3/sec)	0.135	0.036	0.019	0.025	0.018	0.015	0.014	0.006	0.004	0.000	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		8-Jun-04	9:00	n/a	2.05	0.90	1.15	0.172	0.131	7.879	131.3	2,081.3
		Temp.	Cond.	PH								
		1.0										

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.16	0.16	0.16	0.17	0.15	0.15	0.14	0.13	0.13	0.14	
Area (m2)	0.172	0.032	0.016	0.016	0.017	0.015	0.015	0.014	0.013	0.013	0.021	0.000
Velocity (m/sec)	Enter >>>>>	1.05	0.98	1.20	1.28	0.78	0.71	0.96	0.26	0.13	0.01	
Discharge (m3/sec)	0.131	0.034	0.016	0.019	0.022	0.012	0.011	0.013	0.003	0.002	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		9-Jun-04	9:00	n/a	2.05	0.90	1.15	0.194	0.138	8.250	137.5	2,179.5
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.18	0.17	0.17	0.17	0.16	0.17	0.15	0.17	
Area (m2)	0.194	0.034	0.017	0.018	0.017	0.017	0.017	0.016	0.017	0.015	0.025	0.000
Velocity (m/sec)	Enter >>>>>	1.03	1.14	1.17	1.28	0.90	0.63	0.56	0.28	0.02	0.01	
Discharge (m3/sec)	0.138	0.035	0.019	0.021	0.022	0.015	0.011	0.009	0.005	0.000	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		10-Jun-04	8:10	n/a	2.05	0.90	1.15	0.185	0.129	7.728	128.8	2,041.4
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.16	0.16	0.18	0.16	0.15	0.16	0.14	0.15	
Area (m2)	0.185	0.034	0.017	0.016	0.016	0.018	0.016	0.015	0.016	0.014	0.023	0.000
Velocity (m/sec)	Enter >>>>>	1.13	1.05	0.91	1.26	0.85	0.58	0.44	0.33	0.08	0.01	
Discharge (m3/sec)	0.129	0.038	0.018	0.015	0.020	0.015	0.009	0.007	0.005	0.001	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		11-Jun-04	7:50	n/a	2.05	0.90	1.15	0.177	0.124	7.436	123.9	1,964.3
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.16	0.16	0.18	0.17	0.16	0.14	0.16	0.13	0.15	
Area (m2)	0.177	0.029	0.016	0.016	0.018	0.017	0.016	0.014	0.016	0.013	0.023	0.000
Velocity (m/sec)	Enter >>>>>	1.21	0.87	1.11	0.96	0.91	0.67	0.47	0.38	0.11	0.01	
Discharge (m3/sec)	0.124	0.035	0.013	0.018	0.017	0.015	0.011	0.007	0.006	0.001	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		14-Jun-04	8:00	n/a	2.05	0.90	1.15	0.179	0.114	6.852	114.2	1,810.2
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.17	0.17	0.17	0.16	0.14	0.15	0.12	0.13	
Area (m2)	0.179	0.034	0.017	0.017	0.017	0.017	0.016	0.014	0.015	0.012	0.020	0.000
Velocity (m/sec)	Enter >>>>>	0.99	0.64	1.09	0.92	0.83	0.64	0.39	0.35	0.02	0.01	
Discharge (m3/sec)	0.114	0.034	0.011	0.019	0.016	0.014	0.010	0.005	0.005	0.000	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		15-Jun-04	8:00	n/a	2.05	0.90	1.15	0.180	0.112	6.695	111.6	1,768.6
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.17	0.17	0.17	0.15	0.14	0.14	0.14	0.14	
Area (m2)	0.180	0.034	0.017	0.017	0.017	0.017	0.015	0.014	0.014	0.014	0.021	0.000
Velocity (m/sec)	Enter >>>>>	0.95	0.82	0.97	0.92	0.80	0.64	0.38	0.26	0.06	0.01	
Discharge (m3/sec)	0.112	0.032	0.014	0.016	0.016	0.014	0.010	0.005	0.004	0.001	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		15-Jun-04	3:45		2.05	0.90	1.15	0.167	0.104	6.249	104.1	1,650.7
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.15	0.14	0.15	0.14	0.14	0.14	0.14	0.13	0.13	
Area (m2)	0.167	0.034	0.015	0.014	0.015	0.014	0.014	0.014	0.014	0.013	0.020	0.000
Velocity (m/sec)	Enter >>>>>	0.92	0.92	1.05	0.95	0.75	0.68	0.40	0.27	0.04	0.01	
Discharge (m3/sec)	0.104	0.031	0.014	0.015	0.014	0.011	0.010	0.006	0.004	0.001	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		16-Jun-04	8:00		2.05	0.90	1.15	0.153	0.098	5.891	98.2	1,556.2
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.10	0.14	
Area (m2)	0.153	0.030	0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.010	0.021	0.000
Velocity (m/sec)	Enter >>>>>	0.94	1.10	0.99	0.95	0.87	0.72	0.38	0.26	0.10	0.01	
Discharge (m3/sec)	0.098	0.028	0.014	0.013	0.012	0.011	0.009	0.005	0.004	0.001	0.000	0.000

STATION ID:	BC-1	Date	Time	Staff Gauge (m)	Left Bank	Right Bank	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		16-Jun-04	12:00	0.29	2.15	0.80	1.35	0.742	0.121	7.274	121.2	1,921.5
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
9	Totals	0.90	1.00	1.10	1.20	1.30	1.50	1.60	1.70	1.80		
Width (m)	1.250	0.15	0.10	0.10		0.15	0.15	0.10	0.10	0.40		
Depth (m)	Enter >>>>>	0.51	0.55	0.57	0.57	0.59	0.64	0.64	0.61	0.61		
Area (m2)	0.742	0.077	0.055	0.057	0.000	0.089	0.096	0.064	0.061	0.244	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.02	0.04	0.04	0.14	0.28	0.18	0.19	0.20	0.20		
Discharge (m3/sec)	0.121	0.002	0.002	0.002	0.000	0.025	0.017	0.012	0.012	0.049	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		16-Jun-04	14:10		2.05	0.90	1.15	0.160	0.097	5.821	97.0	1,537.8
		Temp.	**Cond.**	**PH**								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	***Totals***	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	**1.150**	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	**Enter >>>>>**	0.16	0.16	0.14	0.15	0.13	0.13	0.13	0.13	0.10	0.14	
Area (m2)	**0.160**	**0.032**	**0.016**	**0.014**	**0.015**	**0.013**	**0.013**	**0.013**	**0.013**	**0.010**	**0.021**	**0.000**
Velocity (m/sec)	**Enter >>>>>**	0.92	0.85	1.06	0.93	0.88	0.47	0.25	0.26	0.08	0.01	
Discharge (m3/sec)	**0.097**	**0.029**	**0.014**	**0.015**	**0.014**	**0.011**	**0.006**	**0.003**	**0.003**	**0.001**	**0.000**	**0.000**

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Lc pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		12-Jul-04	12:30	n/a	2.05	0.90	1.15	0.125	0.064	3.840	64.0	1,014.3
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.10	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.09	0.11	
Area (m2)	0.125	0.020	0.013	0.012	0.012	0.011	0.011	0.010	0.010	0.009	0.017	0.000
Velocity (m/sec)	Enter >>>>>	0.82	0.50	0.92	0.55	0.78	0.71	0.35	0.25	0.1	0.01	
Discharge (m3/sec)	0.064	0.016	0.007	0.011	0.007	0.009	0.008	0.004	0.003	0.001	0.000	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		13-Jul-04	14:30	n/a	2.05	0.90	1.15	0.142	0.067	4.016	66.9	1,060.8
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.13	0.14	0.12	0.14	0.14	0.12	0.12	0.12	0.09	0.11	
Area (m2)	0.142	0.026	0.014	0.012	0.014	0.014	0.012	0.012	0.012	0.009	0.017	0.000
Velocity (m/sec)	Enter >>>>>	0.75	0.60	0.35	0.58	0.76	0.60	0.35	0.30	0.1	0.01	
Discharge (m3/sec)	0.067	0.020	0.008	0.004	0.008	0.011	0.007	0.004	0.004	0.001	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		14-Jul-04	12:45	n/a	2.05	0.90	1.15	0.130	0.070	4.178	69.6	1,103.6
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.11	0.10	0.12	0.14	0.12	0.13	0.10	0.11	0.09	0.11	
Area (m2)	0.130	0.022	0.010	0.012	0.014	0.012	0.013	0.010	0.011	0.009	0.017	0.000
Velocity (m/sec)	Enter >>>>>	0.81	0.84	0.81	0.61	0.77	0.67	0.39	0.26	0.03	0.01	
Discharge (m3/sec)	0.070	0.018	0.008	0.010	0.009	0.009	0.009	0.004	0.003	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		15-Jul-04	16:00	n/a	2.05	0.90	1.15	0.122	0.064	3.840	64.0	1,014.5
		Temp.	0.56	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.11	0.09	0.11	0.14	0.12	0.12	0.10	0.10	0.08	0.09	
Area (m2)	0.122	0.022	0.009	0.011	0.014	0.012	0.012	0.010	0.010	0.008	0.014	0.000
Velocity (m/sec)		0.75	0.94	0.65	0.63	0.68	0.65	0.36	0.29	0.06	0.01	
Discharge (m3/sec)	0.064	0.017	0.008	0.007	0.009	0.008	0.008	0.004	0.003	0.000	0.000	0.000

STATION ID:	BC 37	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		2-Jun-04	21:20	n/a	3.70	2.00	1.70	0.925	0.349	20.939	349.0	5,531.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
7	Totals	2.10	2.30	2.50	2.70	3.10	3.30	3.50				
Width (m)	1.500	0.20	0.20		0.30	0.30	0.20	0.30				
Depth (m)	Enter >>>>>	0.54	0.58	0.62	0.64	0.64	0.64	0.63				
Area (m2)	0.925	0.108	0.116	0.000	0.192	0.192	0.128	0.189	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.41	0.43	0.49	0.57	0.44	0.21	0.18				
Discharge (m3/sec)	0.349	0.044	0.050	0.000	0.109	0.084	0.027	0.034	0.000	0.000	0.000	0.000

STATION ID:	BC 39	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		2-Jun-04	18:30	n/a	3.05	1.10	1.95	0.576	0.119	7.121	118.7	1,881.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.10	1.30	1.50	1.70	1.90	2.10	2.30	2.50	2.70	2.90	
Width (m)	1.950	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.25	
Depth (m)	Enter >>>>>	0.22	0.26	0.28	0.34	0.40	0.46	0.41	0.28	0.22	0.10	
Area (m2)	0.576	0.022	0.052	0.056	0.067	0.080	0.092	0.082	0.056	0.044	0.025	0.000
Velocity (m/sec)	Enter >>>>>	0.03	0.11	0.16	0.29	0.28	0.18	0.25	0.21	0.26	0.05	
Discharge (m3/sec)	0.119	0.001	0.006	0.009	0.019	0.022	0.017	0.021	0.012	0.011	0.001	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	BC 54	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		2-Jun-04	20:15	n/a	2.70	1.00	1.70	1.068	0.332	19.942	332.4	5,268.0
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
6	*Totals*	1.30	1.50	1.70	1.90	2.10	2.50					
Width (m)	1.700	0.40	0.20	0.20	0.20	0.30	0.40					
Depth (m)	Enter >>>>>	0.56	0.70	0.76	0.73	0.82	0.40					
Area (m2)	1.068	0.224	0.140	0.152	0.146	0.246	0.160	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.32	0.33	0.34	0.35	0.35	0.16					
Discharge (m3/sec)	0.332	0.072	0.046	0.052	0.051	0.086	0.026	0.000	0.000	0.000	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		16-Jul-04	8:30	n/a	2.05	0.90	1.15	0.145	0.065	3.872	64.5	1,023.0
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.14	0.11	0.11	0.14	0.14	0.14	0.12	0.12	0.11	0.12	
Area (m2)	0.145	0.028	0.011	0.011	0.014	0.014	0.014	0.012	0.012	0.011	0.018	0.000
Velocity (m/sec)	Enter >>>>>	0.69	0.77	0.45	0.52	0.65	0.62	0.35	0.16	0.04	0.01	
Discharge (m3/sec)	0.065	0.019	0.008	0.005	0.007	0.009	0.009	0.004	0.002	0.000	0.000	0.000

STATION ID:	LcPh env. Can	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		3-Jun-04	15:55	n/a	2.05	0.90	1.15	0.276	0.260	15.628	260.5	4,128.3743
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.24	0.24	0.26	0.25	0.26	0.24	0.23	0.24	0.23	0.22	
Area (m2)	0.276	0.048	0.024	0.026	0.025	0.026	0.024	0.023	0.024	0.023	0.033	0.000
Velocity (m/sec)	Enter >>>>>	1.36	1.40	1.36	1.48	1.13	0.85	0.55	0.40	0.36	0.27	
Discharge (m3/sec)	0.260	0.065	0.034	0.035	0.037	0.029	0.020	0.013	0.010	0.008	0.009	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		19-Jul-04	9:00	n/a	2.05	0.90	1.15	0.133	0.063	3.791	63.2	1,001.3
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.10	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.08	0.09	
Area (m2)	0.133	0.020	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.008	0.014	0.000
Velocity (m/sec)	Enter >>>>>	0.90	0.54	0.51	0.54	0.63	0.65	0.36	0.21	0.04	0.01	
Discharge (m3/sec)	0.063	0.018	0.007	0.007	0.007	0.008	0.008	0.005	0.003	0.000	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		20-Jul-04	8:00	n/a	2.05	0.90	1.15	0.142	0.066	3.980	66.3	1,051.5
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.13	0.12	0.13	0.13	0.13	0.12	0.11	0.13	0.11	0.12	
Area (m2)	0.142	0.026	0.012	0.013	0.013	0.013	0.012	0.011	0.013	0.011	0.018	0.000
Velocity (m/sec)	Enter >>>>>	0.81	0.51	0.50	0.60	0.72	0.58	0.48	0.22	0.02	0.01	
Discharge (m3/sec)	0.066	0.021	0.006	0.007	0.008	0.009	0.007	0.005	0.003	0.000	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		21-Jul-04	14:00	n/a	2.05	0.90	1.15	0.131	0.070	4.186	69.8	1,105.8
		Temp.	Cond.	PH								
		1.0										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.10	0.12	0.12	0.13	0.13	0.11	0.11	0.12	0.10	0.11	
Area (m2)	0.131	0.020	0.012	0.012	0.013	0.013	0.011	0.011	0.012	0.010	0.017	0.000
Velocity (m/sec)	Enter >>>>>	0.95	0.73	0.64	0.79	0.72	0.64	0.35	0.27	0.04	0.01	
Discharge (m3/sec)	0.070	0.019	0.009	0.008	0.010	0.009	0.007	0.004	0.003	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		22-Jul-04	16:00	n/a	2.05	0.90	1.15	0.140	0.072	4.345	72.4	1,147.7
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.14	0.13	0.12	0.13	0.13	0.13	0.13	0.12	0.08	0.10	
Area (m2)	0.140	0.028	0.013	0.012	0.013	0.013	0.013	0.013	0.012	0.008	0.015	0.000
Velocity (m/sec)	Enter >>>>>	0.77	0.50	0.52	0.68	0.74	0.66	0.60	0.22	0.06	0.01	
Discharge (m3/sec)	0.072	0.022	0.007	0.006	0.009	0.010	0.009	0.008	0.003	0.000	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		23-Jul-04	8:20	n/a	2.05	0.90	1.15	0.144	0.067	3.991	66.5	1,054.2
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.13	0.13	0.13	0.13	0.13	0.13	0.11	0.13	0.11	0.12	
Area (m2)	0.144	0.026	0.013	0.013	0.013	0.013	0.013	0.011	0.013	0.011	0.018	0.000
Velocity (m/sec)	Enter >>>>>	0.73	0.54	0.54	0.65	0.71	0.58	0.34	0.25	0.10	0.01	
Discharge (m3/sec)	0.067	0.019	0.007	0.007	0.008	0.009	0.008	0.004	0.003	0.001	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		27-Jul-04	7:50	n/a	2.05	0.90	1.15	0.153	0.080	4.818	80.3	1,272.8
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.14	0.14	0.13	0.14	0.13	0.14	0.13	0.15	0.11	0.12	
Area (m2)	0.153	0.028	0.014	0.013	0.014	0.013	0.014	0.013	0.015	0.011	0.018	0.000
Velocity (m/sec)	Enter >>>>>	0.86	0.55	0.79	0.77	0.63	0.65	0.47	0.23	0.04	0.01	
Discharge (m3/sec)	0.080	0.024	0.008	0.010	0.011	0.008	0.009	0.006	0.003	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		26-Jul-04	9:45	n/a	2.05	0.90	1.15	0.157	0.083	4.967	82.8	1,312.2
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.15	0.15	0.15	0.15	0.14	0.13	0.13	0.10	0.11	
Area (m2)	0.157	0.030	0.015	0.015	0.015	0.015	0.014	0.013	0.013	0.010	0.017	0.000
Velocity (m/sec)	Enter >>>>>	0.81	0.29	0.99	0.90	0.62	0.58	0.37	0.23	0.04	0.01	
Discharge (m3/sec)	0.083	0.024	0.004	0.015	0.014	0.009	0.008	0.005	0.003	0.000	0.000	0.000

STATION ID:	Bc 2	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		27-Jul-04	11:45	0.39	1.35	1.05	0.30	0.051	0.010	0.589	9.8	155.6
		Temp.	Cond.	PH								
		6.6		7.84								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
4	Totals	1.00	1.15	1.25	1.30							
Width (m)	0.300	0.02	0.13	0.08	0.08							
Depth (m)	Enter >>>>>	0.17	0.17	0.17	0.17							
Area (m2)	0.051	0.004	0.021	0.013	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.35	0.26	0.14	0.08							
Discharge (m3/sec)	0.010	0.001	0.006	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000

STATION ID:	BC 3	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		27-Jul-04	11:15	0.02	3.55	2.70	0.85	0.182	0.045	2.697	45.0	712.6
		Temp.	Cond.	PH								
		3.8		7.55								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
9	Totals	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50		
Width (m)	0.850	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
Depth (m)	Enter >>>>>	0.05	0.26	0.28	0.24	0.28	0.26	0.19	0.15	0.13		
Area (m2)	0.182	0.002	0.026	0.028	0.024	0.028	0.026	0.019	0.015	0.013	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.01	0.61	0.58	0.30	0.12	0.03	0.04	0.04	0.01		
Discharge (m3/sec)	0.045	0.000	0.016	0.016	0.007	0.003	0.001	0.001	0.001	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		16-Jun-04	8:00		2.05	0.90	1.15	0.153	0.098	5.891	98.2	1,556.2
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.10	0.14	
Area (m2)	0.153	0.030	0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.010	0.021	0.000
Velocity (m/sec)	Enter >>>>>	0.94	1.10	0.99	0.95	0.87	0.72	0.38	0.26	0.10	0.01	
Discharge (m3/sec)	0.098	0.028	0.014	0.013	0.012	0.011	0.009	0.005	0.004	0.001	0.000	0.000

STATION ID:	BC-1	Date	Time	Staff Gauge (m)	Left Bank	Right Bank	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		27-Jul-04	14:00	0.27	2.15	0.85	1.30	0.703	0.052	3.104	51.7	820.1
		Temp.	Cond.	PH								
		6.7		8.20								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	0.85	0.95	1.05	1.15	1.25	1.35	1.60	1.70	1.80	1.90	
Width (m)	1.200	0.05	0.10	0.10		0.10	0.18	0.18	0.10	0.10	0.30	
Depth (m)	Enter >>>>>	0.47	0.49	0.54	0.55	0.57	0.58	0.64	0.63	0.63	0.60	
Area (m2)	0.703	0.024	0.049	0.054	0.000	0.057	0.102	0.112	0.063	0.063	0.180	0.000
Velocity (m/sec)	Enter >>>>>	0.03	0.05	0.08	0.06	0.10	0.13	0.11	0.07	0.08	0.02	
Discharge (m3/sec)	0.052	0.001	0.002	0.004	0.000	0.006	0.013	0.012	0.004	0.005	0.004	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m2)	Discharge (m3/sec)	Discharge (m3/min)	Discharge (L/sec)	Discharge (USGPM)
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
8	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.000	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.30			
Depth (m)	Enter >>>>>	0.16	0.16	0.14	0.15	0.13	0.13	0.13	0.13	0.10	0.14	
Area (m2)	0.338	0.014	0.023	0.037	0.058	0.060	0.059	0.060	0.027	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.92	0.85	1.06	0.93	0.88	0.47	0.25	0.26	0.08	0.01	
Discharge (m3/sec)	0.229	0.003	0.010	0.009	0.029	0.051	0.055	0.055	0.016	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		28-Jul-04	6:45		2.05	0.90	1.15	0.146	0.077	4.598	76.6	1,214.8
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.13	0.13	0.12	0.13	0.14	0.14	0.12	0.12	0.12	0.12	
Area (m2)	0.146	0.026	0.013	0.012	0.013	0.014	0.014	0.012	0.012	0.012	0.018	0.000
Velocity (m/sec)	Enter >>>>>	0.79	0.52	0.84	0.78	0.67	0.66	0.50	0.27	0.09	0.01	
Discharge (m3/sec)	0.077	0.021	0.007	0.010	0.010	0.009	0.009	0.006	0.003	0.001	0.000	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
			14:45	0.04	3.60	2.70	0.90	-0.120	-0.143	-8.585	-143.1	-2,268.0
		Temp.	Cond.	PH								
		5.3		7.93								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
13	*Totals*	2.75	2.85	2.95	3.05	3.15	3.25	3.35	3.45			
Width (m)	-0.975	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-1.68		0.00	0.00
Depth (m)	Enter >>>>>	0.23	0.29	0.28	0.28	0.25	0.28	0.21	0.18			
Area (m2)	-0.120	0.023	0.029	0.028	0.028	0.025	0.028	0.021	-0.302	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.10	0.10	0.07	0.11	0.24	0.24	0.42	0.58			
Discharge (m3/sec)	-0.143	0.002	0.003	0.002	0.003	0.006	0.007	0.009	-0.175	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Lc pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		27-Aug-04	7:40	n/a	2.05	0.90	1.15	0.125	0.082	4.896	81.6	1,293.4
		Temp.	Cond.	PH								

	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.13	0.13	0.14	0.12	0.10	0.07	0.07	0.07	0.08	
Area (m2)	0.125	0.030	0.013	0.013	0.014	0.012	0.010	0.007	0.007	0.007	0.012	0.000
Velocity (m/sec)	Enter >>>>>	0.65	0.96	0.82	0.71	0.80	0.65	0.51	0.56	0.33	0.26	
Discharge (m3/sec)	0.082	0.020	0.012	0.011	0.010	0.010	0.007	0.004	0.004	0.002	0.003	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		3-Aug-04	7:40	n/a	2.05	0.90	1.15	0.199	0.175	10.512	175.2	2,777.1
		Temp.	Cond.	PH								

	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.20	0.20	0.20	0.20	0.20	0.16	0.14	0.13	0.13	0.15	
Area (m2)	0.199	0.040	0.020	0.020	0.020	0.020	0.016	0.014	0.013	0.013	0.023	0.000
Velocity (m/sec)	Enter >>>>>	1.23	1.15	1.24	1.10	0.91	0.91	0.70	0.44	0.35	0.15	
Discharge (m3/sec)	0.175	0.049	0.023	0.025	0.022	0.018	0.015	0.010	0.006	0.005	0.003	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		4-Aug-04	8:00	n/a	2.05	0.90	1.15	0.190	0.159	9.521	158.7	2,515.1
		Temp.	Cond.	PH								

	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.20	0.20	0.20	0.20	0.16	0.13	0.12	0.12	0.15	
Area (m2)	0.190	0.034	0.020	0.020	0.020	0.020	0.016	0.013	0.012	0.012	0.023	0.000
Velocity (m/sec)	Enter >>>>>	1.13	1.28	1.17	1.02	1.08	0.93	0.20	0.52	0.33	0.07	
Discharge (m3/sec)	0.159	0.038	0.026	0.023	0.020	0.022	0.015	0.003	0.006	0.004	0.002	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	BC 39	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		4-Aug-04	16:30	n/a	2.60	1.40	1.20	0.140	0.079	4.722	78.7	1,247.4
		Temp.	0.56	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
6	Totals	1.40	1.60	1.80	2.00	2.20	2.40					
Width (m)	1.200	0.10	0.20	0.20	0.20	0.20	0.30					
Depth (m)	Enter >>>>>	0.14	0.11	0.11	0.14	0.12	0.10					
Area (m2)	0.140	0.014	0.022	0.022	0.028	0.024	0.030	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)		0.47	0.66	0.90	0.81	0.53	0.08					
Discharge (m3/sec)	0.079	0.007	0.015	0.020	0.023	0.013	0.002	0.000	0.000	0.000	0.000	0.000

STATION ID:	BC 37	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		2-Jun-04	21:20	n/a	3.70	2.00	1.70	0.925	0.349	20.939	349.0	5,531.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
7	Totals	2.10	2.30	2.50	2.70	3.10	3.30	3.50				
Width (m)	1.500	0.20	0.20		0.30	0.30	0.20	0.30				
Depth (m)	Enter >>>>>	0.54	0.58	0.62	0.64	0.64	0.64	0.63				
Area (m2)	0.925	0.108	0.116	0.000	0.192	0.192	0.128	0.189	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.41	0.43	0.49	0.57	0.44	0.21	0.18				
Discharge (m3/sec)	0.349	0.044	0.050	0.000	0.109	0.084	0.027	0.034	0.000	0.000	0.000	0.000

STATION ID:	BC 39	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		2-Jun-04	18:30	n/a	3.05	1.10	1.95	0.576	0.119	7.121	118.7	1,881.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.10	1.30	1.50	1.70	1.90	2.10	2.30	2.50	2.70	2.90	
Width (m)	1.950	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.25	
Depth (m)	Enter >>>>>	0.22	0.26	0.28	0.34	0.40	0.46	0.41	0.28	0.22	0.10	
Area (m2)	0.576	0.022	0.052	0.056	0.067	0.080	0.092	0.082	0.056	0.044	0.025	0.000
Velocity (m/sec)	Enter >>>>>	0.03	0.11	0.16	0.29	0.28	0.18	0.25	0.21	0.26	0.05	
Discharge (m3/sec)	0.119	0.001	0.006	0.009	0.019	0.022	0.017	0.021	0.012	0.011	0.001	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	BC 54	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		2-Jun-04	20:15	n/a	2.70	1.00	1.70	1.068	0.332	19.942	332.4	5,268.0
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
6	Totals	1.30	1.50	1.70	1.90	2.10	2.50					
Width (m)	1.700	0.40	0.20	0.20	0.20	0.30	0.40					
Depth (m)	Enter >>>>>	0.56	0.70	0.76	0.73	0.82	0.40					
Area (m2)	1.068	0.224	0.140	0.152	0.146	0.246	0.160	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.32	0.33	0.34	0.35	0.35	0.16					
Discharge (m3/sec)	0.332	0.072	0.046	0.052	0.051	0.086	0.026	0.000	0.000	0.000	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		6-Aug-04	8:00	n/a	2.05	0.90	1.15	0.158	0.095	5.717	95.3	1,510.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.18	0.17	0.17	0.14	0.14	0.10	0.10	0.11	0.11	
Area (m2)	0.158	0.030	0.018	0.017	0.017	0.014	0.014	0.010	0.010	0.011	0.017	0.000
Velocity (m/sec)	Enter >>>>>	1.01	0.12	0.11	0.98	0.99	0.90	0.66	0.51	0.35	0.14	
Discharge (m3/sec)	0.095	0.030	0.002	0.002	0.017	0.014	0.013	0.007	0.005	0.004	0.002	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		9-Aug-04	7:50	n/a	2.05	0.90	1.15	0.156	0.114	6.851	114.2	1,809.8688
		Temp.	Cond.	PH								
		n/a										

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.16	0.16	0.16	0.09	0.09	0.09	0.10	0.13	
Area (m2)	0.156	0.034	0.017	0.016	0.016	0.016	0.009	0.009	0.009	0.010	0.020	0.000
Velocity (m/sec)	Enter >>>>>	0.98	1.02	0.98	0.94	0.84	0.43	0.44	0.45	0.3	0.23	
Discharge (m3/sec)	0.114	0.033	0.017	0.016	0.015	0.013	0.004	0.004	0.004	0.003	0.004	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		10-Aug-04	7:50	n/a	2.05	0.90	1.15	0.158	0.126	7.563	126.1	1,997.9
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.18	0.18	0.15	0.15	0.13	0.12	0.11	0.09	0.11	0.12	
Area (m2)	0.158	0.036	0.018	0.015	0.015	0.013	0.012	0.011	0.009	0.011	0.018	0.000
Velocity (m/sec)	Enter >>>>>	1.10	1.04	0.96	0.96	0.88	0.74	0.62	0.43	0.36	0.22	
Discharge (m3/sec)	0.126	0.040	0.019	0.014	0.014	0.011	0.009	0.007	0.004	0.004	0.004	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		12-Aug-04	8:00	n/a	2.05	0.90	1.15	0.155	0.109	6.568	109.5	1,735.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.17	0.14	0.14	0.08	0.08	0.12	0.13	0.12	
Area (m2)	0.155	0.034	0.017	0.017	0.014	0.014	0.008	0.008	0.012	0.013	0.018	0.000
Velocity (m/sec)	Enter >>>>>	1.04	0.95	0.76	0.87	0.83	0.62	0.55	0.47	0.3	0.13	
Discharge (m3/sec)	0.109	0.035	0.016	0.013	0.012	0.012	0.005	0.004	0.006	0.004	0.002	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		13-Aug-04	9:45	n/a	2.05	0.90	1.15	0.147	0.114	6.835	113.9	1,805.5
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.16	0.16	0.16	0.14	0.13	0.09	0.09	0.09	0.10	
Area (m2)	0.147	0.030	0.016	0.016	0.016	0.014	0.013	0.009	0.009	0.009	0.015	0.000
Velocity (m/sec)	Enter >>>>>	1.06	1.08	0.89	0.79	0.81	0.78	0.68	0.52	0.43	0.12	
Discharge (m3/sec)	0.114	0.032	0.017	0.014	0.013	0.011	0.010	0.006	0.005	0.004	0.002	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		17-Aug-04	7:30	n/a	2.05	0.90	1.15	0.151	0.111	6.636	110.6	1,753.0
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.15	0.15	0.15	0.14	0.12	0.12	0.10	0.09	0.10	
Area (m2)	0.151	0.034	0.015	0.015	0.015	0.014	0.012	0.012	0.010	0.009	0.015	0.000
Velocity (m/sec)	Enter >>>>>	1.03	0.98	0.71	0.67	0.86	0.72	0.64	0.54	0.38	0.2	
Discharge (m3/sec)	0.111	0.035	0.015	0.011	0.010	0.012	0.009	0.008	0.005	0.003	0.003	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		18-Aug-04	15:00	n/a	2.05	0.90	1.15	0.133	0.098	5.901	98.4	1,558.9
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.15	0.15	0.15	0.13	0.11	0.07	0.08	0.07	0.08	
Area (m2)	0.133	0.030	0.015	0.015	0.015	0.013	0.011	0.007	0.008	0.007	0.012	0.000
Velocity (m/sec)	Enter >>>>>	0.91	1.01	0.72	0.73	0.85	0.75	0.62	0.56	0.45	0.24	
Discharge (m3/sec)	0.098	0.027	0.015	0.011	0.011	0.011	0.008	0.004	0.004	0.003	0.003	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		19-Aug-04	8:15	n/a	2.05	0.90	1.15	0.148	0.111	6.676	111.3	1,763.7
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.16	0.16	0.17	0.14	0.14	0.08	0.09	0.09	0.10	
Area (m2)	0.148	0.030	0.016	0.016	0.017	0.014	0.014	0.008	0.009	0.009	0.015	0.000
Velocity (m/sec)	Enter >>>>>	0.96	1.02	0.81	0.70	0.84	0.75	0.68	0.59	0.47	0.27	
Discharge (m3/sec)	0.111	0.029	0.016	0.013	0.012	0.012	0.011	0.005	0.005	0.004	0.004	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		20-Aug-04	8:45	n/a	2.05	0.90	1.15	0.133	0.095	5.698	95.0	1,505.1
		Temp.	Cond.	PH								

	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.15	0.15	0.16	0.14	0.12	0.00	0.08	0.08	0.10	
Area (m2)	0.133	0.030	0.015	0.015	0.016	0.014	0.012	0.000	0.008	0.008	0.015	0.000
Velocity (m/sec)	Enter >>>>>	0.87	1.01	0.78	0.68	0.82	0.73	0.66	0.53	0.40	0.23	
Discharge (m3/sec)	0.095	0.026	0.015	0.012	0.011	0.011	0.009	0.000	0.004	0.003	0.003	0.000

STATION ID:	Bc 2	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		27-Jul-04	11:45	0.39	1.35	1.05	0.30	0.051	0.010	0.589	9.8	155.6
		Temp.	Cond.	PH								
		6.6		7.84								

	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
4	*Totals*	1.00	1.15	1.25	1.30							
Width (m)	0.300	0.02	0.13	0.08	0.08							
Depth (m)	Enter >>>>>	0.17	0.17	0.17	0.17							
Area (m2)	0.051	0.004	0.021	0.013	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.35	0.26	0.14	0.08							
Discharge (m3/sec)	0.010	0.001	0.006	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000

STATION ID:	BC 3	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		27-Jul-04	11:15	0.02	3.55	2.70	0.85	0.182	0.045	2.697	45.0	712.6
		Temp.	Cond.	PH								
		3.8		7.55								

	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
9	*Totals*	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50		
Width (m)	0.850	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
Depth (m)	Enter >>>>>	0.05	0.26	0.28	0.24	0.28	0.26	0.19	0.15	0.13		
Area (m2)	0.182	0.002	0.026	0.028	0.024	0.028	0.026	0.019	0.015	0.013	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.01	0.61	0.58	0.30	0.12	0.03	0.04	0.04	0.01		
Discharge (m3/sec)	0.045	0.000	0.016	0.016	0.007	0.003	0.001	0.001	0.001	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		31-Aug-04	9:00		2.05	0.90	1.15	0.118	0.072	4.303	71.7	1,136.8
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.14	0.14	0.13	0.11	0.10	0.10	0.06	0.07	0.07	0.08	
Area (m2)	0.118	0.028	0.014	0.013	0.011	0.010	0.010	0.006	0.007	0.007	0.012	0.000
Velocity (m/sec)	Enter >>>>>	0.56	0.97	0.83	0.75	0.70	0.69	0.47	0.45	0.37	0.08	
Discharge (m3/sec)	0.072	0.016	0.014	0.011	0.008	0.007	0.007	0.003	0.003	0.003	0.001	0.000

STATION ID:	BC-1	Date	Time	Staff Gauge (m)	Left Bank	Right Bank	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		30-Aug-04	15:00	0.27	2.05	0.85	1.20	0.654	0.078	4.675	77.9	1,234.9
		Temp.	Cond.	PH								
		6.7		8.20								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
8	*Totals*	0.95	1.15	1.35	1.45	1.55	1.65	1.75	1.85			
Width (m)	1.100	0.20	0.20	0.15		0.10	0.10	0.10	0.25			
Depth (m)	Enter >>>>>	0.55	0.57	0.61	0.62	0.64	0.62	0.62	0.60			
Area (m2)	0.654	0.110	0.114	0.092	0.000	0.064	0.062	0.062	0.150	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.17	0.17	0.14	0.16	0.10	0.14	0.12	0.03			
Discharge (m3/sec)	0.078	0.019	0.019	0.013	0.000	0.006	0.009	0.007	0.004	0.000	0.000	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m2)	Discharge (m3/sec)	Discharge (m3/min)	Discharge (L/sec)	Discharge (USGPM)
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
8	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.000	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.30			
Depth (m)	Enter >>>>>	0.16	0.16	0.14	0.15	0.13	0.13	0.13	0.13	0.10	0.14	
Area (m2)	0.338	0.014	0.023	0.037	0.058	0.060	0.059	0.060	0.027	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.92	0.85	1.06	0.93	0.88	0.47	0.25	0.26	0.08	0.01	
Discharge (m3/sec)	0.229	0.003	0.010	0.009	0.029	0.051	0.055	0.055	0.016	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		24-Aug-04	7:15		2.05	0.90	1.15	0.143	0.093	5.567	92.8	1,470.5
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.15	0.15	0.12	0.12	0.10	0.07	0.07	0.09	
Area (m2)	0.143	0.034	0.017	0.015	0.015	0.012	0.012	0.010	0.007	0.007	0.014	0.000
Velocity (m/sec)	Enter >>>>>	0.42	0.97	0.84	0.71	0.90	0.83	0.78	0.67	0.42	0.19	
Discharge (m3/sec)	0.093	0.014	0.016	0.013	0.011	0.011	0.010	0.008	0.005	0.003	0.003	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
			14:45	0.04	3.60	2.70	0.90	-0.120	-0.143	-8.585	-143.1	-2,268.0
		Temp.	Cond.	PH								
		5.3		7.93								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
13	*Totals*	2.75	2.85	2.95	3.05	3.15	3.25	3.35	3.45			
Width (m)	-0.975	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-1.68		0.00	0.00
Depth (m)	Enter >>>>>	0.23	0.29	0.28	0.28	0.25	0.28	0.21	0.18			
Area (m2)	-0.120	0.023	0.029	0.028	0.028	0.025	0.028	0.021	-0.302	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.10	0.10	0.07	0.11	0.24	0.24	0.42	0.58			
Discharge (m3/sec)	-0.143	0.002	0.003	0.002	0.003	0.006	0.007	0.009	-0.175	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Lc pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		1-Sep-04	7:30	n/a	2.05	0.90	1.15	0.129	0.082	4.897	81.6	1,293.7
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.14	0.14	0.15	0.12	0.10	0.07	0.07	0.08	0.08	
Area (m2)	0.129	0.030	0.014	0.014	0.015	0.012	0.010	0.007	0.007	0.008	0.012	0.000
Velocity (m/sec)	Enter >>>>>	0.77	0.95	0.74	0.62	0.67	0.67	0.48	0.38	0.27	0.22	
Discharge (m3/sec)	0.082	0.023	0.013	0.010	0.009	0.008	0.007	0.003	0.003	0.002	0.003	0.000

STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		2-Sep-04	7:40	n/a	2.05	0.90	1.15	0.127	0.079	4.745	79.1	1,253.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.13	0.14	0.14	0.12	0.09	0.07	0.07	0.07	0.09	
Area (m2)	0.127	0.030	0.013	0.014	0.014	0.012	0.009	0.007	0.007	0.007	0.014	0.000
Velocity (m/sec)	Enter >>>>>	0.64	1.00	0.73	0.55	0.73	0.68	0.60	0.46	0.43	0.27	
Discharge (m3/sec)	0.079	0.019	0.013	0.010	0.008	0.009	0.006	0.004	0.003	0.003	0.004	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		7-Sep-04	16:15	n/a	2.05	0.90	1.15	0.139	0.106	6.354	105.9	1,678.5
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.15	0.15	0.15	0.13	0.11	0.09	0.08	0.09	0.09	
Area (m2)	0.139	0.030	0.015	0.015	0.015	0.013	0.011	0.009	0.008	0.009	0.014	0.000
Velocity (m/sec)	Enter >>>>>	1.06	1.07	0.93	0.89	0.73	0.72	0.56	0.48	0.3	0.13	
Discharge (m3/sec)	0.106	0.032	0.016	0.014	0.013	0.009	0.008	0.005	0.004	0.003	0.002	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	BC 39	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		4-Aug-04	16:30	n/a	2.60	1.40	1.20	0.140	0.079	4.722	78.7	1,247.4
		Temp.	0.56	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
6	Totals	1.40	1.60	1.80	2.00	2.20	2.40					
Width (m)	1.200	0.10	0.20	0.20	0.20	0.20	0.30					
Depth (m)	Enter >>>>>	0.14	0.11	0.11	0.14	0.12	0.10					
Area (m2)	0.140	0.014	0.022	0.022	0.028	0.024	0.030	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)		0.47	0.66	0.90	0.81	0.53	0.08					
Discharge (m3/sec)	0.079	0.007	0.015	0.020	0.023	0.013	0.002	0.000	0.000	0.000	0.000	0.000

STATION ID:	BC 37	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		2-Jun-04	21:20	n/a	3.70	2.00	1.70	0.925	0.349	20.939	349.0	5,531.4
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
7	Totals	2.10	2.30	2.50	2.70	3.10	3.30	3.50				
Width (m)	1.500	0.20	0.20		0.30	0.30	0.20	0.30				
Depth (m)	Enter >>>>>	0.54	0.58	0.62	0.64	0.64	0.64	0.63				
Area (m2)	0.925	0.108	0.116	0.000	0.192	0.192	0.128	0.189	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.41	0.43	0.49	0.57	0.44	0.21	0.18				
Discharge (m3/sec)	0.349	0.044	0.050	0.000	0.109	0.084	0.027	0.034	0.000	0.000	0.000	0.000

STATION ID:	BC 39	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		2-Jun-04	18:30	n/a	3.05	1.10	1.95	0.576	0.119	7.121	118.7	1,881.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.10	1.30	1.50	1.70	1.90	2.10	2.30	2.50	2.70	2.90	
Width (m)	1.950	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.25	
Depth (m)	Enter >>>>>	0.22	0.26	0.28	0.34	0.40	0.46	0.41	0.28	0.22	0.10	
Area (m2)	0.576	0.022	0.052	0.056	0.067	0.080	0.092	0.082	0.056	0.044	0.025	0.000
Velocity (m/sec)	Enter >>>>>	0.03	0.11	0.16	0.29	0.28	0.18	0.25	0.21	0.26	0.05	
Discharge (m3/sec)	0.119	0.001	0.006	0.009	0.019	0.022	0.017	0.021	0.012	0.011	0.001	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	BC 54	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		2-Jun-04	20:15	n/a	2.70	1.00	1.70	1.068	0.332	19,942	332.4	5,268.0
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
6	Totals	1.30	1.50	1.70	1.90	2.10	2.50					
Width (m)	1.700	0.40	0.20	0.20	0.20	0.30	0.40					
Depth (m)	Enter >>>>>	0.56	0.70	0.76	0.73	0.82	0.40					
Area (m2)	1.068	0.224	0.140	0.152	0.146	0.246	0.160	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.32	0.33	0.34	0.35	0.35	0.16					
Discharge (m3/sec)	0.332	0.072	0.046	0.052	0.051	0.086	0.026	0.000	0.000	0.000	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		8-Sep-04	14:15	n/a	2.05	0.90	1.15	0.160	0.081	4.869	81.2	1,286.3
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.18	0.15	0.15	0.13	0.10	0.10	0.11	0.11	
Area (m2)	0.160	0.034	0.017	0.018	0.015	0.015	0.013	0.010	0.010	0.011	0.017	0.000
Velocity (m/sec)	Enter >>>>>	0.62	0.72	0.73	0.74	0.20	0.83	0.64	0.23	0.04	0.04	
Discharge (m3/sec)	0.081	0.021	0.012	0.013	0.011	0.003	0.011	0.006	0.002	0.000	0.001	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		10-Sep-04	11:30	n/a	2.05	0.90	1.15	0.130	0.052	3.092	51.5	816.9255
		Temp.	Cond.	PH								
		n/a										

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.14	0.15	0.13	0.12	0.10	0.07	0.06	0.08	0.10	
Area (m2)	0.130	0.030	0.014	0.015	0.013	0.012	0.010	0.007	0.006	0.008	0.015	0.000
Velocity (m/sec)	Enter >>>>>	0.42	0.52	0.61	0.59	0.51	0.32	0.31	0.28	0.19	0.01	
Discharge (m3/sec)	0.052	0.013	0.007	0.009	0.008	0.006	0.003	0.002	0.002	0.002	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		14-Sep-04	16:00	n/a	2.05	0.90	1.15	0.123	0.080	4.770	79.5	1,260.2
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.13	0.13	0.12	0.11	0.09	0.07	0.07	0.07	0.09	
Area (m2)	0.123	0.030	0.013	0.013	0.012	0.011	0.009	0.007	0.007	0.007	0.014	0.000
Velocity (m/sec)	Enter >>>>>	0.85	0.90	0.83	0.83	0.67	0.62	0.40	0.41	0.4	0.01	
Discharge (m3/sec)	0.080	0.026	0.012	0.011	0.010	0.007	0.006	0.003	0.003	0.003	0.000	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		15-Sep-04	16:15	n/a	2.05	0.90	1.15	0.129	0.084	5.027	83.8	1,328.0
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.14	0.14	0.13	0.12	0.09	0.07	0.08	0.08	0.09	
Area (m2)	0.129	0.030	0.014	0.014	0.013	0.012	0.009	0.007	0.008	0.008	0.014	0.000
Velocity (m/sec)	Enter >>>>>	0.85	0.87	0.70	0.76	0.70	0.67	0.44	0.42	0.4	0.17	
Discharge (m3/sec)	0.084	0.026	0.012	0.010	0.010	0.008	0.006	0.003	0.003	0.003	0.002	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	Discharge (m^3/min)	Discharge (L/sec)	Discharge (USGPM)
		17-Sep-04	14:15	n/a	2.05	0.90	1.15	0.147	0.095	5.692	94.9	1,503.7
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.16	0.15	0.16	0.14	0.14	0.09	0.10	0.09	0.09	
Area (m2)	0.147	0.030	0.016	0.015	0.016	0.014	0.014	0.009	0.010	0.009	0.014	0.000
Velocity (m/sec)	Enter >>>>>	0.60	0.63	0.95	0.84	0.83	0.86	0.75	0.50	0.26	0.1	
Discharge (m3/sec)	0.095	0.018	0.010	0.014	0.013	0.012	0.012	0.007	0.005	0.002	0.001	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		21-Sep-04	15:30	n/a	2.05	0.90	1.15	0.190	0.143	8.569	142.8	2,263.6
		Temp.	Cond.	PH								
		n/a										
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.20	0.21	0.20	0.19	0.17	0.14	0.11	0.14	0.13	0.14	
Area (m2)	0.190	0.040	0.021	0.020	0.019	0.017	0.014	0.011	0.014	0.013	0.021	0.000
Velocity (m/sec)	Enter >>>>>	0.76	0.85	1.06	0.84	1.03	0.85	0.75	0.70	0.49	0.17	
Discharge (m3/sec)	0.143	0.030	0.018	0.021	0.016	0.018	0.012	0.008	0.010	0.006	0.004	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		18-Aug-04	15:00	n/a	2.05	0.90	1.15	0.133	0.098	5.901	98.4	1,558.9
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.15	0.15	0.15	0.13	0.11	0.07	0.08	0.07	0.08	
Area (m2)	0.133	0.030	0.015	0.015	0.015	0.013	0.011	0.007	0.008	0.007	0.012	0.000
Velocity (m/sec)	Enter >>>>>	0.91	1.01	0.72	0.73	0.85	0.75	0.62	0.56	0.45	0.24	
Discharge (m3/sec)	0.098	0.027	0.015	0.011	0.011	0.011	0.008	0.004	0.004	0.003	0.003	0.000

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		19-Aug-04	8:15	n/a	2.05	0.90	1.15	0.148	0.111	6.676	111.3	1,763.7
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.16	0.16	0.17	0.14	0.14	0.08	0.09	0.09	0.10	
Area (m2)	0.148	0.030	0.016	0.016	0.017	0.014	0.014	0.008	0.009	0.009	0.015	0.000
Velocity (m/sec)	Enter >>>>>	0.96	1.02	0.81	0.70	0.84	0.75	0.68	0.59	0.47	0.27	
Discharge (m3/sec)	0.111	0.029	0.016	0.013	0.012	0.012	0.011	0.005	0.005	0.004	0.004	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		20-Aug-04	8:45	n/a	2.05	0.90	1.15	0.133	0.095	5.698	95.0	1,505.1
		Temp.	Cond.	PH								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
10	Totals	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.15	0.15	0.15	0.16	0.14	0.12	0.00	0.08	0.08	0.10	
Area (m2)	0.133	0.030	0.015	0.015	0.016	0.014	0.012	0.000	0.008	0.008	0.015	0.000
Velocity (m/sec)	Enter >>>>>	0.87	1.01	0.78	0.68	0.82	0.73	0.66	0.53	0.40	0.23	
Discharge (m3/sec)	0.095	0.026	0.015	0.012	0.011	0.011	0.009	0.000	0.004	0.003	0.003	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
			8:30	0.21	1.50	0.95	0.55	0.093	0.027	1.619	27.0	427.6
		Temp.	Cond.	PH								
		-1.5		8.40								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
5	Totals	1.00	1.15	1.25	1.35	1.45						
Width (m)	0.550	0.13	0.13	0.10	0.10	0.10						
Depth (m)	Enter >>>>>	0.10	0.18	0.20	0.20	0.18						
Area (m2)	0.093	0.013	0.023	0.020	0.020	0.018	0.000	0.000	0.000	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.27	0.43	0.62	0.38	0.20						
Discharge (m3/sec)	0.027	0.003	0.000	0.012	0.008	0.004	0.000	0.000	0.000	0.000	0.000	0.000

STATION ID:	bc 1	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		22-Sep-04	8:30	0.30	2.50	1.30	1.20	0.085	0.028	1.706	28.4	450.7
		Temp.	Cond.	PH								
		-1.5		8.40								

	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
8	Totals	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30			
Width (m)	1.200	0.35	0.10	0.10	0.10	0.10	0.10	0.10	0.25			
Depth (m)	Enter >>>>>	0.09	0.10	0.09	0.07	0.07	0.04	0.04	0.05			
Area (m2)	0.085	0.032	0.010	0.009	0.007	0.007	0.004	0.004	0.013	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.13	0.27	0.44	0.58	0.66	0.88	0.62	0.24			
Discharge (m3/sec)	0.028	0.004	0.003	0.004	0.004	0.005	0.004	0.002	0.003	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		31-Aug-04	9:00		2.05	0.90	1.15	0.118	0.072	4.303	71.7	1,136.8
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.14	0.14	0.13	0.11	0.10	0.10	0.06	0.07	0.07	0.08	
Area (m2)	0.118	0.028	0.014	0.013	0.011	0.010	0.010	0.006	0.007	0.007	0.012	0.000
Velocity (m/sec)	Enter >>>>>	0.56	0.97	0.83	0.75	0.70	0.69	0.47	0.45	0.37	0.08	
Discharge (m3/sec)	0.072	0.016	0.014	0.011	0.008	0.007	0.007	0.003	0.003	0.003	0.001	0.000

STATION ID:	BC-1	Date	Time	Staff Gauge (m)	Left Bank	Right Bank	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		30-Aug-04	15:00	0.27	2.05	0.85	1.20	0.654	0.078	4.675	77.9	1,234.9
		Temp.	Cond.	PH								
		6.7		8.20								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
8	*Totals*	0.95	1.15	1.35	1.45	1.55	1.65	1.75	1.85			
Width (m)	1.100	0.20	0.20	0.15		0.10	0.10	0.10	0.25			
Depth (m)	Enter >>>>>	0.55	0.57	0.61	0.62	0.64	0.62	0.62	0.60			
Area (m2)	0.654	0.110	0.114	0.092	0.000	0.064	0.062	0.062	0.150	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.17	0.17	0.14	0.16	0.10	0.14	0.12	0.03			
Discharge (m3/sec)	0.078	0.019	0.019	0.013	0.000	0.006	0.009	0.007	0.004	0.000	0.000	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m2)	Discharge (m3/sec)	(m3/min)	(L/sec)	(USGPM)
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
8	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.000	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.30			
Depth (m)	Enter >>>>>	0.16	0.16	0.14	0.15	0.13	0.13	0.13	0.13	0.10	0.14	
Area (m2)	0.338	0.014	0.023	0.037	0.058	0.060	0.059	0.060	0.027	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.92	0.85	1.06	0.93	0.88	0.47	0.25	0.26	0.08	0.01	
Discharge (m3/sec)	0.229	0.003	0.010	0.009	0.029	0.051	0.055	0.055	0.016	0.000	0.000	0.000

Viceroy Minerals Corporation
Brewery Creek Mine
Water Flows

STATION ID:	Pumphouse	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
		24-Aug-04	7:15		2.05	0.90	1.15	0.143	0.093	5.567	92.8	1,470.5
		Temp.	Cond.	PH								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
10	*Totals*	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	
Width (m)	1.150	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	
Depth (m)	Enter >>>>>	0.17	0.17	0.15	0.15	0.12	0.12	0.10	0.07	0.07	0.09	
Area (m2)	0.143	0.034	0.017	0.015	0.015	0.012	0.012	0.010	0.007	0.007	0.014	0.000
Velocity (m/sec)	Enter >>>>>	0.42	0.97	0.84	0.71	0.90	0.83	0.78	0.67	0.42	0.19	
Discharge (m3/sec)	0.093	0.014	0.016	0.013	0.011	0.011	0.010	0.008	0.005	0.003	0.003	0.000

STATION ID:		Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	(m^3/min)	(L/sec)	(USGPM)
			14:45	0.04	3.60	2.70	0.90	-0.120	-0.143	-8.585	-143.1	-2,268.0
		Temp.	Cond.	PH								
		5.3		7.93								
	Intervals >>>	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*
13	*Totals*	2.75	2.85	2.95	3.05	3.15	3.25	3.35	3.45			
Width (m)	-0.975	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-1.68		0.00	0.00
Depth (m)	Enter >>>>>	0.23	0.29	0.28	0.28	0.25	0.28	0.21	0.18			
Area (m2)	-0.120	0.023	0.029	0.028	0.028	0.025	0.028	0.021	-0.302	0.000	0.000	0.000
Velocity (m/sec)	Enter >>>>>	0.10	0.10	0.07	0.11	0.24	0.24	0.42	0.58			
Discharge (m3/sec)	-0.143	0.002	0.003	0.002	0.003	0.006	0.007	0.009	-0.175	0.000	0.000	0.000

DISCHARGE CURVE DATA POINTS: BC-1: Laura Ck., 50m upsteam from the Ditch Rd.

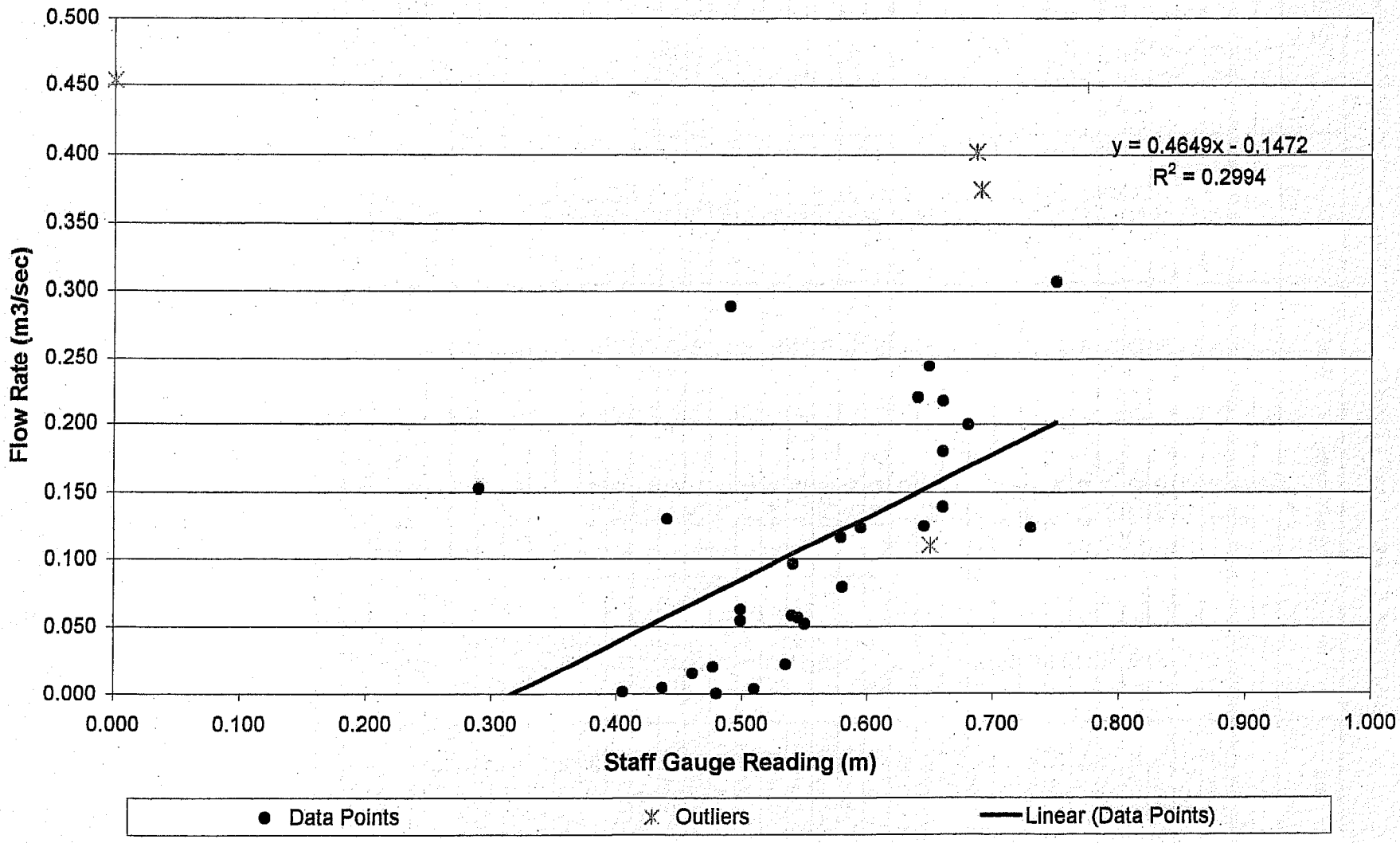
Date	Time	Staff Guage (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	
					Data Pts.	Outliers
11-Jun-96	10:05	0.695	1.20	0.813		0.591
17-Jul-96	9:52	0.430	1.15	0.455	0.060	
15-Aug-96	8:30	0.345	1.30	0.381	0.015	
4-Sep-96	10:15	0.390	1.30	0.420	0.027	
15-May-97	11:00	0.630	1.25	0.729	0.344	
17-Jun-97	11:05	0.530	1.30	0.640	0.192	
21-Jul-97	9:55	0.420	1.25	0.519	0.062	
28-Jul-97	9:40	0.400	1.10	0.475	0.081	
8-Aug-97	13:10	0.420	1.25	0.466	0.083	
12-Aug-97	9:40	0.459	1.15	0.531	0.106	
2-Sep-97	12:40	0.408	1.80	0.420	0.060	
15-Sep-97	8:50	0.435	1.30	0.523	0.076	
1-Oct-97	10:45	0.522	1.25	0.570		0.074
20-May-98	11:55	0.170	1.20	0.542		0.254
5-Jun-98	11:00	0.392	1.20	0.384	0.064	
16-Jun-98	9:50	0.389	1.00	0.330	0.073	
17-Jun-98	9:50	0.392	1.00	0.330	0.057	
26-Jun-98	9:15	0.452	1.00	0.381	0.122	
2-Jul-98	13:30	0.352	1.00	0.269	0.032	
13-Jul-98	9:45	0.318	1.15	0.310	0.018	
24-Jul-98	13:55	0.325	1.00	0.255	0.020	
4-Aug-98	11:35	0.355	1.20	0.312	0.043	
14-Aug-98	10:15	0.285	1.20	0.264	0.019	
19-May-00	7:52	0.615	1.35	0.728		0.495
27-Jun-00	11:00	0.453	1.10	0.608	0.117	
26-Jul-00	9:57	0.640	1.20	0.732	0.382	
9-Aug-00	9:35	0.435	1.20	0.572	0.097	
30-Aug-00	9:30	0.450	1.20	0.576	0.123	
27-Sep-00	10:00	0.530	1.20	0.740	0.115	
18-Jun-01	13:30	0.400	1.20	0.756	0.147	
20-Jul-01	12:25	0.420	1.20	0.696	0.111	
21-Aug-01	9:11	0.470	1.24	0.739	0.214	
21-Sep-01	10:00	0.400	1.50	0.861	0.140	
13-Jun-02	9:33	0.480	1.30	0.963	0.335	
30-Jul-02	11:50	0.280	1.30	0.682	0.112	
15-Aug-02	10:14	0.340	1.35	0.748	0.168	
30-Sep-02	15:29	0.360	1.30	0.910	0.155	
20-May-04	2:10	0.480	1.45	1.134	0.292	
16-Jun-04	12:00	0.290	1.35	0.742	0.121	
25-Jun-04	13:30	0.280	1.30	0.769	0.092	
27-Jul-04	14:00	0.270	1.30	0.703	0.052	
30-Aug-04	15:00	0.280	1.20	0.654	0.078	
22-Sep-04	14:30	0.370	1.30	0.856	0.143	

DISCHARGE CURVE DATA POINTS: BC-37: Laura Creek at the Ditch Road

Date	Time	Staff Guage (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	
					Data Pts.	Outliers
2-Aug-96	8:00	0.540	2.05	3.260	0.058	
15-Aug-96	8:00	0.510	2.30	0.874	0.004	
30-Aug-96	10:10	0.480	2.00	0.726	0.000	
4-Sep-96	15:15	0.535	2.45	0.943	0.023	
15-May-97	10:00	0.750	3.00	1.630	0.307	
21-May-97	10:20	0.660	2.40	1.259	0.180	
13-Jun-97	8:10	0.660	2.55	1.293	0.217	
17-Jun-97	11:36	0.640	2.70	1.357	0.220	
27-Jun-97	12:00	0.580	2.20	1.048	0.079	
18-Jul-97	13:30	0.690	2.55	1.319		0.375
21-Jul-97	10:25	0.550	2.25	1.025	0.052	
12-Aug-97	11:50	0.595	2.45	1.207	0.124	
21-Aug-97	11:15	0.579	2.30	1.087	0.117	
22-Sep-97	14:10	0.545	2.20	0.960	0.056	
1-Oct-97	11:15	0.650	2.70	1.395		0.110
13-May-98	9:30	0.680	1.60	0.928	0.200	
20-May-98	12:20	0.649	2.60	1.308	0.244	
28-May-98	15:10	0.686	2.50	1.402		0.402
5-Jun-98	12:40	0.499	2.30	0.995	0.055	
15-Jun-98	12:45	0.499	2.20	1.006	0.063	
26-Jun-98	9:40	0.541	2.00	0.921	0.096	
2-Jul-98	14:20	0.461	2.10	0.850	0.016	
24-Jul-98	14:30	0.437	2.10	0.830	0.004	
14-Aug-98	11:05	0.405	2.20	0.825	0.002	
4-Sep-98	12:40	0.477	2.20	0.910	0.021	
19-May-00	8:45	0.000	3.80	2.070		0.453
27-Jun-00	14:14	0.645	2.00	1.200	0.125	
26-Jul-00	9:32		3.20	1.590		0.433
9-Aug-00	9:05		1.80	1.080		0.126
30-Aug-00	9:00	0.660	2.00	1.210	0.140	
27-Sep-00	9:20	0.730	2.00	1.332	0.124	
29-Jun-01	14:00		1.50	0.720	0.083	0.126
21-Aug-01	9:59	0.490	1.95	1.200	0.289	
21-Sep-01	10:22	0.440	1.95	1.121	0.131	
9-Sep-03	16:18		1.80	1.050	0.168	
22-Sep-04	15:00	0.290	1.70	0.886	0.153	

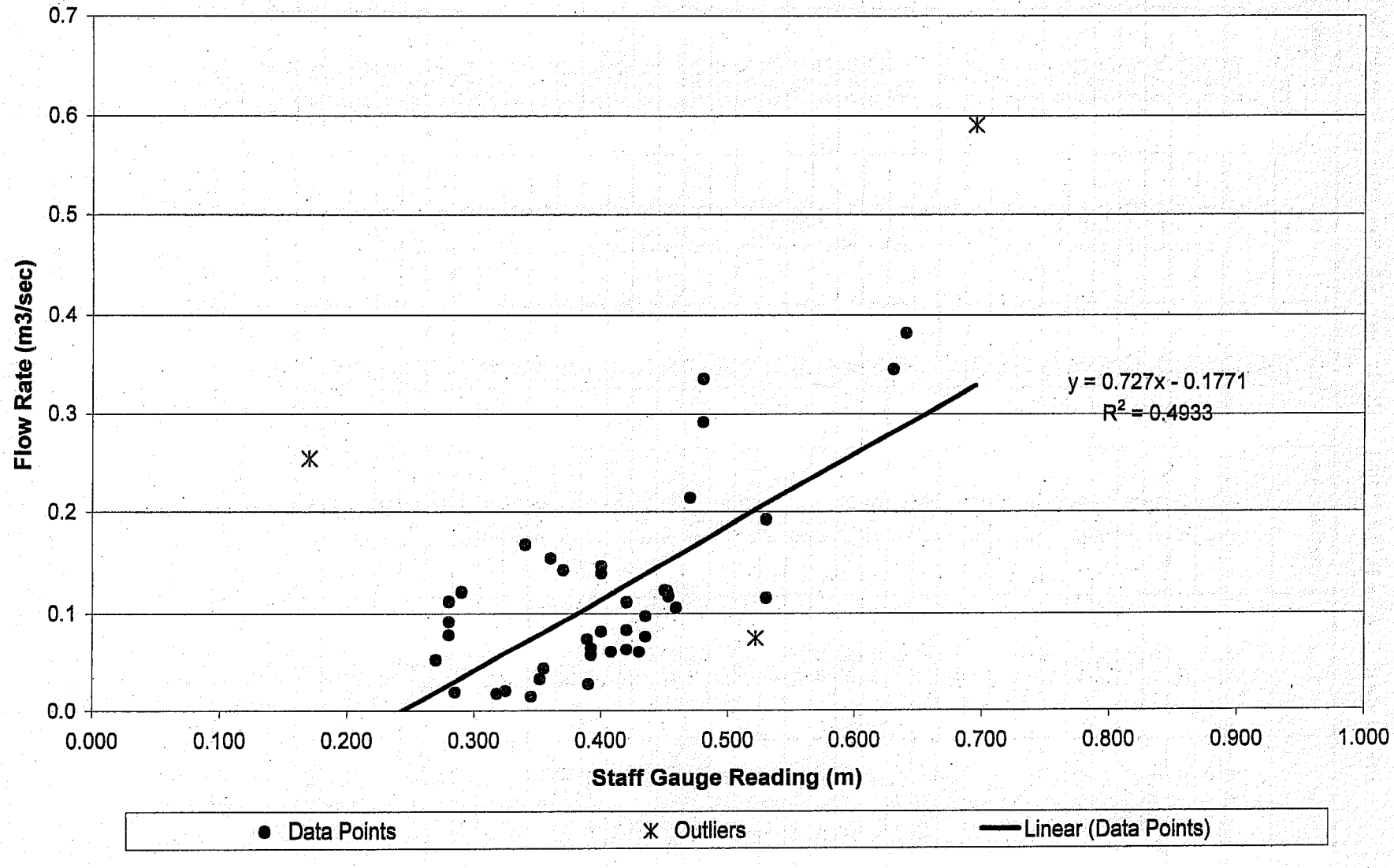
HYDROLOGY DATA

DISCHARGE CURVE
BC-37: Laura Creek at the Ditch Road



HYDROLOGY DATA

DISCHARGE CURVE
BC-1: Laura Ck., 50m upstream from the Ditch Rd.

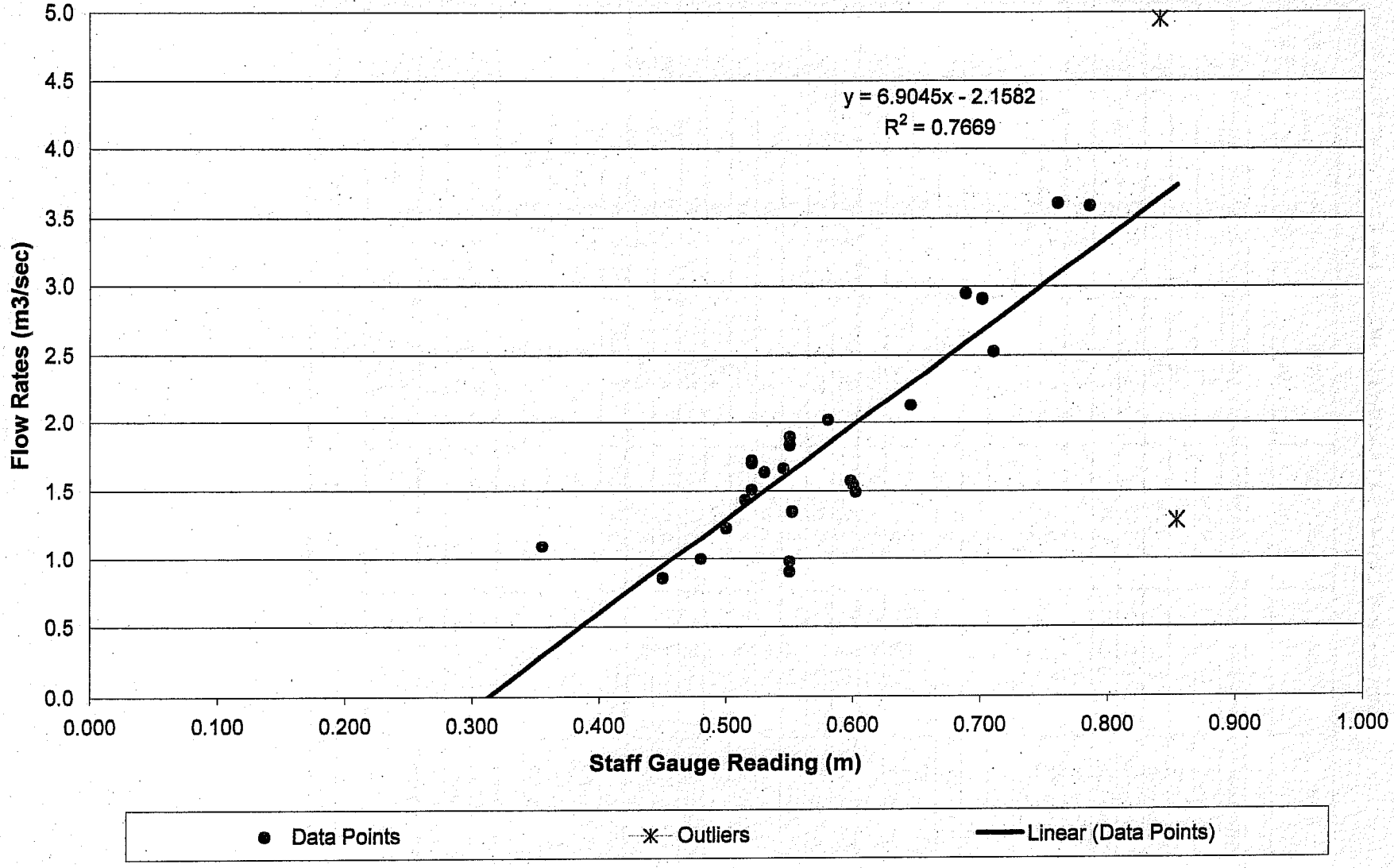


DISCHARGE CURVE DATA POINTS: BC-34: Lee Creek at the Ditch Road

Date	Time	Staff Guage (m)	Width (m)	Area (m^2)	Discharge (m^3/sec)	
					Data Pts.	Outliers
28-Jun-96	8:45	0.520	6.00	2.906	1.707	
28-Jun-96	9:05	0.520	6.00	2.852	1.726	
12-Jul-96	11:45	0.550	6.10	2.987	1.838	
26-Jul-96	12:00	0.550	6.20	2.584	0.977	
2-Aug-96	8:30	0.550	6.00	2.457	0.899	
15-Aug-96	9:30	0.450	6.00	2.262	0.853	
30-Aug-96	10:40	0.480	6.10	2.478	0.998	
4-Sep-96	16:15	0.500	6.10	2.667	1.233	
13-Jun-97	8:45	0.840	11.35	4.262		4.951
27-Jun-97	13:15	0.580	9.90	2.897	2.017	
4-Jul-97	13:20	0.520	6.30	2.655	1.509	
18-Jul-97	14:00	0.550	6.40	2.718	1.893	
22-Jul-97	10:25	0.530	6.30	2.799	1.640	
12-Aug-97	8:15	0.688	8.60	3.740	2.951	
26-Sep-97	13:30	0.515	8.40	2.370	1.434	
1-Oct-97	11:45	0.545	6.30	2.886	1.667	
13-May-98	10:30	0.854	10.30	2.430		1.286
20-May-98	13:15	0.785	18.30	4.614	3.588	
5-Jun-98	10:30	0.701	9.20	3.426	2.913	
2-Jul-98	14:50	0.645	8.50	2.856	2.129	
10-Jul-98	9:30	0.600	8.20	2.563	1.545	
13-Jul-98	11:35	0.602	8.20	2.532	1.493	
24-Jul-98	15:10	0.552	8.00	2.274	1.351	
4-Aug-98	11:55	0.355	8.05	2.341	1.096	
14-Sep-98	11:00	0.598	8.60	2.588	1.576	
19-May-00	9:29	0.000	10.00	4.698		5.184
27-Jun-00	11:20		10.30	4.805		5.367
9-Aug-00	10:45		10.00	3.800		3.374
30-Aug-00	10:11	0.710	9.00	3.270	2.527	
27-Sep-00	11:30	0.760	10.00	3.820	3.607	
29-Jun-01	13:05		6.50	2.364	2.389	
21-Aug-01	11:00		12.70	4.197	3.233	
21-Sep-01	10:52		12.54	2.768	1.644	
30-Sep-02	16:03		7.00	2.511	2.356	
9-Sep-03	8:54		8.90	3.165	2.889	

HYDROLOGY DATA

DISCHARGE CURVE
BC-34: Lee Creek at the Ditch Road



Appendix D
BENTHIC MONITORING

Not Required in 2004

Appendix E
STREAM SEDIMENT QUALITY

- E-1 Stream Sediment Analysis: Metals
- E-2 Stream Sediment Analysis: Grain Size Distribution
- E-3 Historical Comparison

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - September 2004

Sed. Stn. / BC Stn.		W05: Laura Ck. above Ditch Rd. BC-1					W15: Carolyn Ck. above Laura Ck. BC-2					W04B: Laura Ck. above Carolyn Ck. BC-3				
		A	B	C	Mean	St. dev.	A	B	C	Mean	St. dev.	A	B	C	Mean	St. dev.
Ag	ppm	0.15	0.21	0.21	0.19	0.03	0.09	0.07	0.09	0.08	0.01	0.09	0.08	0.09	0.09	0.01
Al	%	0.98	0.88	0.81	0.89	0.09	1.12	0.91	0.99	1.01	0.11	0.74	1.08	1.01	0.95	0.18
As	ppm	42.76	51.03	64.19	52.66	10.81	7.47	6.00	10.59	8.02	2.35	21.52	17.61	25.52	21.55	3.96
Au	ppb	21.88	37.43	54.13	37.81	16.13	-0.20	-0.20	-0.20	-0.20	0.00	-0.20	-0.20	-0.20	-0.20	0.00
B	ppm	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00
Ba	ppm	659.58	720.01	578.83	652.81	70.83	475.28	398.50	465.05	446.28	41.70	400.42	687.78	727.10	605.10	178.35
Bi	ppm	0.13	0.14	0.14	0.13	0.00	0.10	0.08	0.10	0.09	0.01	0.12	0.11	0.10	0.11	0.01
Ca	%	0.59	0.52	0.53	0.55	0.04	0.51	0.48	0.49	0.49	0.01	0.38	0.52	0.54	0.48	0.09
Cd	ppm	0.72	0.94	0.86	0.84	0.11	0.29	0.26	0.42	0.32	0.09	0.54	0.58	0.53	0.55	0.02
Co	ppm	10.41	10.32	10.00	10.24	0.22	8.56	8.31	11.09	9.32	1.54	9.50	9.40	8.92	9.27	0.31
Cr	ppm	24.71	20.60	20.80	22.04	2.31	20.26	18.81	19.25	19.44	0.74	19.28	25.14	25.32	23.24	3.44
Cu	ppm	20.19	19.55	21.25	20.33	0.86	14.71	12.14	16.44	14.43	2.16	16.37	17.35	15.23	16.32	1.06
Fe	%	1.97	1.77	1.88	1.87	0.10	1.96	1.79	2.17	1.97	0.19	1.68	1.67	1.80	1.72	0.07
Hg	ppb	152.31	227.19	214.82	198.11	40.14	59.13	43.30	49.87	50.77	7.96	94.03	110.21	108.75	104.33	8.95
K	%	0.09	0.08	0.05	0.07	0.02	0.08	0.06	0.06	0.07	0.01	0.05	0.12	0.13	0.10	0.04
La	ppm	18.23	17.61	13.57	16.47	2.53	20.62	18.12	14.23	17.66	3.22	14.52	27.00	26.79	22.77	7.15
Mg	%	0.40	0.34	0.34	0.36	0.04	0.32	0.32	0.32	0.32	0.00	0.31	0.36	0.37	0.35	0.03
Mn	ppm	347.35	268.51	423.47	346.44	77.49	453.77	457.47	439.57	450.27	9.45	159.58	151.83	212.10	174.50	32.79
Mo	ppm	1.42	1.66	1.67	1.58	0.14	0.49	0.42	0.69	0.54	0.14	1.22	1.51	1.17	1.30	0.18
Na	%	0.01	0.01	0.01	0.01	0.00	0.02	0.01	0.01	0.01	0.00	0.02	0.02	0.02	0.02	0.00
Ni	ppm	34.33	34.55	34.38	34.42	0.11	24.51	22.52	25.70	24.24	1.61	29.14	30.63	28.98	29.58	0.91
P	%	0.06	0.06	0.06	0.06	0.00	0.05	0.05	0.05	0.05	0.00	0.06	0.06	0.06	0.06	0.00
Pb	ppm	9.43	9.91	10.26	9.86	0.42	9.02	8.41	8.80	8.74	0.31	8.12	8.77	8.29	8.39	0.34
Sb	ppm	9.91	16.65	14.87	13.81	3.49	1.92	1.24	1.48	1.54	0.35	11.64	8.91	7.69	9.41	2.02
Se	ppm	1.14	1.28	1.52	1.31	0.19	1.24	0.90	1.72	1.29	0.41	0.75	0.95	0.60	0.77	0.17
Sr	ppm	50.35	47.90	46.13	48.13	2.12	38.63	32.53	35.18	35.45	3.06	33.26	44.73	44.90	40.96	6.67
Th	ppm	3.59	3.87	2.06	3.18	0.97	4.37	3.99	2.84	3.73	0.80	3.46	6.98	7.68	6.04	2.26
Ti	%	0.05	0.04	0.02	0.04	0.01	0.06	0.05	0.03	0.05	0.01	0.03	0.09	0.09	0.07	0.04
Tl	ppm	0.18	0.21	0.16	0.18	0.03	0.13	0.09	0.08	0.10	0.02	0.09	0.18	0.18	0.15	0.05
U	ppm	1.81	1.68	1.21	1.57	0.32	1.21	1.05	1.05	1.10	0.09	1.69	2.55	1.80	2.01	0.47
V	ppm	48.33	47.07	46.83	47.41	0.81	34.11	30.65	34.20	32.99	2.02	38.00	53.11	55.37	48.83	9.44
W	ppm	0.47	1.29	0.29	0.68	0.53	0.27	0.20	0.12	0.19	0.08	0.58	0.61	0.49	0.56	0.06
Zn	ppm	109.44	129.53	123.58	120.85	10.32	67.55	64.71	74.63	68.96	5.11	96.17	106.49	96.97	99.88	5.74
LOI	%	7.85	7.21	7.41	7.49	0.33	7.60	6.24	9.29	7.71	1.53	4.42	4.63	4.12	4.39	0.26

LOI *Loss On Ignition*

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - September 2004

Sed. Stn. BC Stn.		W13: Lucky Ck. downstream of Lucky Pit BC-4					W11: Pacific Ceek upstream from Lee Creek BC-5					W09: South Klondike down from confluence with Lee Creek: BC-6				
		A	B	C	Mean	Std. dev.	A	B	C	Mean	Std. dev.	A	B	C	Mean	Std. dev.
Ag	ppm	0.31	0.30	0.28	0.30	0.01	0.21	0.21	0.24	0.22	0.02	0.15	0.18	0.18	0.17	0.02
Al	%	1.14	1.07	1.07	1.09	0.04	1.06	1.07	1.06	1.07	0.01	0.87	0.77	0.77	0.81	0.06
As	ppm	77.05	83.09	79.01	79.72	3.08	10.24	11.07	15.52	12.28	2.84	16.16	20.02	20.68	18.95	2.44
Au	ppb	64.50	95.02	16.70	58.74	39.47	-0.20	159.51	128.99	96.10	84.78	-0.20	-0.20	-0.20	-0.20	0.00
B	ppm	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00
Ba	ppm	1230.00	1450.00	1309.91	1329.97	111.36	1530.00	1290.00	1050.00	1290.00	240.00	818.44	650.67	511.33	660.14	153.78
Bi	ppm	0.18	0.19	0.19	0.19	0.01	0.08	0.09	0.08	0.08	0.00	0.14	0.16	0.17	0.16	0.02
Ca	%	0.59	0.56	0.54	0.57	0.03	0.87	0.80	0.86	0.84	0.03	0.46	0.42	0.45	0.44	0.02
Cd	ppm	1.63	1.26	1.46	1.45	0.18	3.07	1.96	1.99	2.34	0.63	0.77	0.80	0.98	0.85	0.12
Co	ppm	10.55	9.97	9.55	10.02	0.50	10.61	10.46	11.13	10.73	0.35	10.00	9.52	9.77	9.76	0.24
Cr	ppm	29.01	31.17	25.07	28.41	3.09	31.00	29.22	27.87	29.37	1.57	21.77	18.86	17.10	19.24	2.36
Cu	ppm	25.43	23.78	23.74	24.32	0.96	29.86	30.15	30.08	30.03	0.15	26.73	27.33	29.11	27.72	1.24
Fe	%	2.25	2.04	2.13	2.14	0.10	2.08	2.27	2.15	2.17	0.10	2.38	2.16	2.25	2.26	0.11
Hg	ppb	485.51	433.88	458.09	459.16	25.83	302.56	299.19	378.34	326.69	44.76	104.46	138.28	103.09	115.28	19.93
K	%	0.14	0.13	0.12	0.13	0.01	0.14	0.13	0.10	0.12	0.02	0.10	0.06	0.04	0.07	0.03
La	ppm	22.61	22.85	21.70	22.39	0.61	17.63	17.10	15.85	16.86	0.91	17.92	15.94	11.14	15.00	3.49
Mg	%	0.38	0.34	0.36	0.36	0.02	0.47	0.45	0.41	0.44	0.03	0.46	0.43	0.40	0.43	0.03
Mn	ppm	690.24	625.13	603.81	639.72	45.03	731.87	687.48	910.41	776.59	118.00	364.63	368.84	420.00	384.49	30.83
Mo	ppm	3.78	4.55	3.28	3.87	0.64	1.97	1.72	1.82	1.84	0.13	2.21	2.32	1.99	2.17	0.17
Na	%	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00
Ni	ppm	49.64	45.48	43.71	46.28	3.04	66.76	60.32	63.21	63.43	3.22	40.48	40.00	42.91	41.13	1.56
P	%	0.07	0.07	0.07	0.07	0.00	0.10	0.09	0.08	0.09	0.01	0.09	0.09	0.08	0.09	0.00
Pb	ppm	25.90	37.16	24.26	29.11	7.02	8.26	7.14	7.05	7.48	0.67	9.80	10.19	10.51	10.16	0.36
Sb	ppm	8.19	9.81	8.58	8.86	0.85	1.62	1.71	2.06	1.80	0.23	1.25	1.37	1.35	1.32	0.06
Se	ppm	1.77	1.56	1.54	1.62	0.13	1.89	1.80	2.34	2.01	0.29	1.01	0.90	0.77	0.89	0.12
Sr	ppm	81.33	83.71	84.64	83.23	1.71	63.76	61.14	62.21	62.37	1.32	44.57	45.97	42.13	44.22	1.95
Th	ppm	3.59	3.90	3.82	3.77	0.16	3.02	2.68	2.18	2.63	0.42	4.02	3.39	1.43	2.95	1.35
Ti	%	0.04	0.03	0.03	0.04	0.00	0.05	0.05	0.04	0.05	0.01	0.04	0.02	0.01	0.02	0.01
Tl	ppm	0.45	0.40	0.40	0.42	0.03	0.21	0.22	0.20	0.21	0.01	0.14	0.11	0.11	0.12	0.02
U	ppm	1.46	1.51	1.46	1.48	0.03	1.27	1.38	1.32	1.32	0.06	1.63	1.61	1.54	1.59	0.05
V	ppm	86.33	88.34	81.27	85.31	3.64	80.15	76.51	76.34	77.67	2.15	56.40	47.38	40.73	48.17	7.87
W	ppm	-0.10	0.12	0.12	0.05	0.13	0.51	0.40	0.45	0.45	0.06	1.01	0.31	-0.10	0.41	0.56
Zn	ppm	202.80	186.61	194.98	194.80	8.10	324.55	311.66	329.44	321.88	9.18	169.25	174.46	170.66	171.46	2.70
LOI	%	7.59	6.87	7.03	7.16	0.38	10.36	10.34	12.33	11.01	1.14	5.04	5.18	5.15	5.12	0.08

LOI *Loss On Ignition*

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - September 2004

Sed. Stn. BC Stn.		W02: Golden Ck. above the Klondike BC-31					W03: Laura Ck. below Exploration Camp BC-32					W06A: Lee Ck. above Pacific Ck. BC-33				
		A	B	C	Mean	Std. dev.	A	B	C	Mean	Std. dev.	A	B	C	Mean	Std. dev.
Ag	ppm	0.32	0.30	0.34	0.32	0.02	0.39	0.39	0.34	0.37	0.03	0.24	0.55	0.67	0.49	0.22
Al	%	1.05	1.09	1.29	1.14	0.12	1.10	1.01	1.04	1.05	0.05	0.79	1.60	1.56	1.32	0.45
As	ppm	22.69	21.78	24.62	23.03	1.45	168.10	149.76	331.44	216.43	100.02	2.98	8.08	9.68	6.91	3.50
Au	ppb	-0.20	-0.20	263.16	87.59	152.05	29.48	-0.20	33.90	21.06	18.54	-0.20	-0.20	53.55	17.72	31.04
B	ppm	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00
Ba	ppm	901.98	957.05	999.14	952.73	48.73	1320.00	1200.00	1250.00	1256.67	60.28	1280.00	1349.77	1240.00	1289.92	55.55
Bi	ppm	0.15	0.14	0.16	0.15	0.01	0.15	0.17	0.15	0.16	0.01	0.07	0.12	0.16	0.12	0.05
Ca	%	0.69	0.60	0.74	0.68	0.07	0.41	0.38	0.43	0.41	0.03	0.49	1.00	0.92	0.81	0.28
Cd	ppm	1.66	1.50	1.48	1.55	0.10	2.03	2.15	1.91	2.03	0.12	1.14	3.49	2.36	2.33	1.17
Co	ppm	9.44	9.28	10.27	9.66	0.53	10.49	10.04	11.29	10.61	0.64	6.45	12.76	13.20	10.80	3.78
Cr	ppm	28.16	26.47	31.04	28.56	2.31	25.03	22.58	19.74	22.45	2.65	24.43	46.66	45.59	38.89	12.54
Cu	ppm	32.57	28.77	31.16	30.83	1.92	35.65	37.91	30.67	34.75	3.70	33.54	61.94	69.00	54.83	18.77
Fe	%	2.03	2.06	2.05	2.05	0.02	2.34	2.32	2.44	2.37	0.06	1.56	3.12	3.03	2.57	0.88
Hg	ppb	321.59	256.82	295.28	291.23	32.57	488.88	444.47	399.86	444.40	44.51	255.42	303.90	305.01	288.11	28.31
K	%	0.15	0.16	0.16	0.16	0.01	0.21	0.20	0.16	0.19	0.03	0.14	0.22	0.23	0.20	0.05
La	ppm	17.00	18.02	19.15	18.06	1.08	20.28	19.41	18.67	19.45	0.80	9.52	18.07	18.68	15.42	5.12
Mg	%	0.44	0.41	0.42	0.42	0.01	0.25	0.22	0.24	0.24	0.02	0.31	0.67	0.71	0.57	0.22
Mn	ppm	478.29	417.06	554.80	483.38	69.01	636.61	605.58	601.86	614.68	19.08	272.04	579.49	515.58	455.70	162.23
Mo	ppm	1.74	1.73	1.86	1.78	0.07	5.38	5.49	9.15	6.67	2.15	2.65	4.34	5.27	4.08	1.33
Na	%	0.01	0.01	0.02	0.02	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00
Ni	ppm	52.66	52.17	56.22	53.68	2.21	51.11	51.59	64.70	55.80	7.71	40.21	82.11	83.30	68.54	24.54
P	%	0.08	0.08	0.08	0.08	0.00	0.06	0.07	0.06	0.06	0.00	0.20	0.17	0.16	0.18	0.02
Pb	ppm	11.79	11.55	12.56	11.97	0.53	17.27	16.61	15.89	16.59	0.69	8.44	10.71	16.35	11.83	4.07
Sb	ppm	1.73	1.98	2.63	2.11	0.46	45.97	42.44	91.38	59.93	27.29	0.76	0.90	1.00	0.89	0.12
Se	ppm	1.31	1.34	1.65	1.44	0.19	2.54	2.21	1.93	2.22	0.31	1.20	2.61	2.90	2.24	0.91
Sr	ppm	66.77	64.00	67.86	66.21	1.99	82.91	78.67	73.12	78.23	4.91	49.29	90.28	98.14	79.24	26.23
Th	ppm	2.82	3.13	3.34	3.09	0.26	5.16	4.63	4.48	4.75	0.36	2.21	3.14	3.25	2.87	0.58
Ti	%	0.04	0.04	0.04	0.04	0.00	0.03	0.02	0.03	0.03	0.00	0.11	0.09	0.08	0.10	0.02
Tl	ppm	0.31	0.29	0.29	0.30	0.01	0.41	0.37	0.39	0.39	0.02	0.17	0.26	0.29	0.24	0.07
U	ppm	1.46	1.39	1.44	1.43	0.04	1.77	1.61	1.63	1.67	0.09	1.59	2.71	2.87	2.39	0.70
V	ppm	75.78	71.19	84.80	77.25	6.93	73.10	68.77	55.34	65.74	9.26	75.67	133.81	131.36	113.61	32.88
W	ppm	0.15	-0.10	-0.10	-0.02	0.14	0.32	0.19	0.12	0.21	0.10	-0.10	-0.10	-0.10	-0.10	0.00
Zn	ppm	236.15	233.22	231.52	233.63	2.34	214.50	221.58	238.16	224.75	12.14	191.02	362.24	361.79	305.01	98.72
LOI	%	11.34	8.83	9.36	9.84	1.32	6.25	5.77	6.14	6.05	0.26	11.36	11.43	10.76	11.18	0.37

LOI *Loss On Ignition*

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - September 2004

Sed. Stn. BC Stn.		W07: Lee Ck. at the Ditch Rd. BC-34					W14: Pacific Ck. below Mine Camp BC-35					W16: Golden Ck. above Lucky Ck. BC-36				
		A	B	C	Mean	Std. dev.	A	B	C	Mean	Std. dev.	A	B	C	Mean	Std. dev.
Ag	ppm	0.46	0.40	0.43	0.43	0.03	0.09	0.09	0.11	0.10	0.01	0.25	0.21	0.22	0.23	0.02
Al	%	1.41	1.45	1.48	1.45	0.03	1.23	1.25	1.23	1.24	0.01	0.80	1.18	1.22	1.07	0.23
As	ppm	8.53	7.52	7.94	8.00	0.51	31.67	30.79	36.96	33.14	3.34	7.03	5.11	6.23	6.12	0.96
Au	ppb	-0.20	-0.20	-0.20	-0.20	0.00	-0.20	656.47	32.25	229.51	370.12	-0.20	-0.20	-0.20	-0.20	0.00
B	ppm	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00
Ba	ppm	1340.00	1380.00	1410.00	1376.67	35.12	1340.09	1250.00	1350.00	1313.36	55.10	594.97	747.57	998.55	780.36	203.78
Bi	ppm	0.10	0.09	0.09	0.09	0.01	0.07	0.07	0.10	0.08	0.01	0.09	0.08	0.09	0.09	0.01
Ca	%	0.91	0.89	0.82	0.87	0.05	0.63	0.63	0.67	0.64	0.02	0.65	0.70	0.73	0.69	0.04
Cd	ppm	2.59	2.85	2.88	2.77	0.16	1.53	1.50	2.00	1.68	0.28	1.29	1.22	1.37	1.29	0.08
Co	ppm	11.09	12.06	11.50	11.55	0.49	17.57	15.98	18.59	17.38	1.32	7.80	8.25	9.14	8.40	0.68
Cr	ppm	39.62	42.49	40.87	40.99	1.44	40.80	37.95	39.03	39.26	1.44	21.77	30.79	32.38	28.31	5.73
Cu	ppm	50.73	49.10	49.32	49.72	0.89	26.87	25.60	29.64	27.37	2.07	33.07	30.97	35.33	33.12	2.18
Fe	%	2.33	2.37	2.48	2.39	0.08	3.01	2.93	3.33	3.09	0.21	2.03	2.00	2.21	2.08	0.11
Hg	ppb	262.26	248.26	271.13	260.55	11.53	429.17	667.03	480.36	525.52	125.20	205.44	142.58	164.97	170.99	31.86
K	%	0.30	0.30	0.28	0.29	0.01	0.14	0.12	0.14	0.13	0.01	0.10	0.21	0.24	0.18	0.07
La	ppm	17.88	17.24	17.75	17.63	0.34	16.51	17.10	17.11	16.91	0.35	13.49	18.16	17.67	16.44	2.57
Mg	%	0.68	0.67	0.68	0.68	0.01	0.62	0.56	0.61	0.59	0.03	0.39	0.49	0.49	0.45	0.06
Mn	ppm	542.16	578.15	558.16	559.49	18.03	778.63	699.37	832.44	770.15	66.94	399.08	385.80	497.61	427.50	61.08
Mo	ppm	4.05	3.89	3.82	3.92	0.12	2.00	1.72	2.12	1.95	0.21	2.50	2.26	2.99	2.58	0.37
Na	%	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.01	0.01	0.00
Ni	ppm	74.14	75.65	77.41	75.73	1.64	77.31	73.13	83.32	77.92	5.12	42.31	41.42	46.76	43.50	2.86
P	%	0.13	0.14	0.14	0.14	0.00	0.09	0.08	0.09	0.09	0.00	0.08	0.08	0.10	0.09	0.01
Pb	ppm	9.57	9.33	9.49	9.46	0.12	8.12	7.35	8.50	7.99	0.59	7.19	6.91	7.91	7.34	0.52
Sb	ppm	2.02	1.67	1.69	1.80	0.20	3.54	2.87	4.69	3.70	0.92	3.76	1.07	1.19	2.00	1.52
Se	ppm	2.51	2.40	2.42	2.44	0.06	1.49	1.67	1.94	1.70	0.23	1.21	1.20	1.54	1.31	0.19
Sr	ppm	78.16	77.77	78.10	78.01	0.21	56.49	57.10	58.82	57.47	1.21	56.34	59.19	66.12	60.55	5.03
Th	ppm	3.41	3.52	3.54	3.49	0.07	3.01	3.41	3.18	3.20	0.20	2.59	3.47	3.60	3.22	0.55
Ti	%	0.08	0.09	0.09	0.09	0.00	0.04	0.04	0.04	0.04	0.00	0.03	0.05	0.04	0.04	0.01
Tl	ppm	0.28	0.22	0.24	0.25	0.03	0.21	0.21	0.24	0.22	0.02	0.18	0.18	0.22	0.19	0.02
U	ppm	2.38	2.43	2.47	2.43	0.04	1.01	1.12	1.16	1.09	0.08	1.42	1.44	1.73	1.53	0.18
V	ppm	153.43	157.85	157.72	156.33	2.52	76.25	68.36	76.83	73.81	4.73	73.24	96.87	118.72	96.27	22.74
W	ppm	-0.10	-0.10	-0.10	-0.10	0.00	-0.10	0.17	0.17	0.08	0.15	-0.10	0.16	0.19	0.08	0.16
Zn	ppm	368.71	377.25	366.69	370.89	5.61	414.34	393.46	456.95	421.58	32.36	220.68	201.57	269.02	230.42	34.77
LOI	%	8.97	7.88	8.49	8.45	0.55	7.44	7.01	8.21	7.55	0.61	6.55	6.57	6.66	6.60	0.06

LOI *Loss On Ignition*

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - September 2004

Sed. Stn. BC Stn.		W05A: Laura Ck. at the Ditch Rd. BC-37					W08: Klondike above Golden Ck. BC-38				
		A	B	C	Mean	Std. dev.	A	B	C	Mean	Std. dev.
Ag	ppm	0.16	0.16	0.21	0.18	0.03	0.08	0.07	0.08	0.08	0.01
Al	%	1.16	1.20	1.18	1.18	0.02	1.07	1.05	1.04	1.05	0.02
As	ppm	33.47	34.41	50.49	39.46	9.57	10.82	11.67	12.74	11.74	0.96
Au	ppb	7.49	5.18	60.46	24.38	31.27	-0.20	-0.20	-0.20	-0.20	0.00
B	ppm	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00
Ba	ppm	627.36	619.20	602.53	616.36	12.66	1010.00	1079.96	964.53	1018.16	58.14
Bi	ppm	0.14	0.14	0.16	0.15	0.01	0.15	0.12	0.15	0.14	0.01
Ca	%	0.66	0.63	0.87	0.72	0.13	0.43	0.44	0.37	0.41	0.04
Cd	ppm	1.01	1.01	1.08	1.04	0.04	0.87	0.57	0.79	0.74	0.15
Co	ppm	13.43	14.22	12.23	13.29	1.00	9.47	9.22	9.20	9.30	0.15
Cr	ppm	25.95	25.88	27.69	26.51	1.03	23.65	23.07	22.63	23.12	0.51
Cu	ppm	27.56	28.57	30.99	29.04	1.76	21.99	20.22	21.79	21.33	0.97
Fe	%	2.20	2.32	2.35	2.29	0.08	1.95	2.14	2.21	2.10	0.13
Hg	ppb	113.90	102.63	164.49	127.00	32.95	98.82	74.29	85.72	86.28	12.28
K	%	0.12	0.11	0.10	0.11	0.01	0.17	0.15	0.16	0.16	0.01
La	ppm	20.53	20.23	17.69	19.48	1.56	23.93	24.55	23.28	23.92	0.63
Mg	%	0.49	0.47	0.52	0.49	0.03	0.40	0.42	0.38	0.40	0.02
Mn	ppm	330.86	351.40	527.02	403.10	107.82	440.48	357.82	446.21	414.84	49.46
Mo	ppm	1.34	1.44	1.45	1.41	0.06	1.23	1.29	1.34	1.29	0.06
Na	%	0.02	0.02	0.01	0.02	0.00	0.01	0.02	0.01	0.01	0.00
Ni	ppm	51.74	51.49	45.79	49.67	3.36	34.75	33.02	35.47	34.41	1.26
P	%	0.07	0.07	0.06	0.07	0.00	0.06	0.06	0.06	0.06	0.00
Pb	ppm	10.69	10.84	11.31	10.95	0.32	9.40	8.82	9.36	9.19	0.33
Sb	ppm	6.88	6.61	8.06	7.18	0.77	0.89	0.98	0.98	0.95	0.05
Se	ppm	1.46	1.38	1.53	1.46	0.08	0.63	0.75	0.64	0.67	0.07
Sr	ppm	58.27	54.98	64.87	59.37	5.03	45.39	41.79	41.49	42.89	2.17
Th	ppm	4.07	4.25	3.73	4.02	0.26	5.18	5.59	5.19	5.32	0.23
Ti	%	0.07	0.06	0.06	0.06	0.01	0.05	0.05	0.05	0.05	0.00
Tl	ppm	0.23	0.22	0.21	0.22	0.01	0.15	0.13	0.16	0.14	0.02
U	ppm	1.35	1.37	1.46	1.39	0.06	1.65	1.53	1.57	1.58	0.06
V	ppm	56.77	54.88	52.17	54.61	2.31	51.84	53.02	49.63	51.50	1.72
W	ppm	-0.10	0.31	0.11	0.11	0.21	0.13	0.39	0.45	0.32	0.17
Zn	ppm	170.59	179.23	135.49	161.77	23.16	132.72	131.48	135.78	133.33	2.21
LOI	%	7.07	7.23	11.45	8.58	2.48	5.28	4.45	4.75	4.82	0.42

LOI *Loss On Ignition*

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - September 2004

Sed. Stn. BC Stn.		W39: Laura Ck. at Confluence of South Klondike BC-39					W53: Laura Creek 100m downstream of Ditch Road BC-53				
		A	B	C	Mean	Std. dev.	A	B	C	Mean	Std. dev.
Ag	ppm	0.25	0.25	0.25	0.25	0.00	0.17	0.22	0.24	0.21	0.04
Al	%	1.37	1.30	1.21	1.30	0.08	1.14	1.24	1.37	1.25	0.12
As	ppm	61.69	69.51	57.21	62.81	6.23	54.69	67.69	87.31	69.89	16.42
Au	ppb	20.63	10.32	7.86	12.94	6.78	-0.20	31.67	21.31	17.59	16.26
B	ppm	-1.00	-1.00	-1.00	-1.00	0.00	-1.00	-1.00	-1.00	-1.00	0.00
Ba	ppm	891.82	850.73	770.72	837.75	61.58	662.52	742.93	900.83	768.76	121.23
Bi	ppm	0.20	0.24	0.20	0.21	0.02	0.12	0.14	0.16	0.14	0.02
Ca	%	0.55	0.51	0.50	0.52	0.03	0.56	0.68	0.66	0.63	0.06
Cd	ppm	1.31	1.28	1.12	1.24	0.10	0.85	1.07	1.26	1.06	0.20
Co	ppm	11.51	11.46	10.56	11.18	0.53	9.03	10.38	10.57	9.99	0.84
Cr	ppm	28.45	26.55	25.19	26.73	1.64	26.30	27.63	30.30	28.08	2.04
Cu	ppm	30.04	29.15	28.44	29.21	0.80	21.52	26.04	29.18	25.58	3.85
Fe	%	2.50	2.42	2.39	2.44	0.06	1.77	2.19	2.09	2.02	0.22
Hg	ppb	311.44	335.34	296.56	314.45	19.56	195.04	247.31	317.53	253.30	61.46
K	%	0.19	0.16	0.14	0.16	0.03	0.14	0.15	0.17	0.15	0.02
La	ppm	21.76	20.94	20.24	20.98	0.76	20.23	19.81	21.31	20.45	0.78
Mg	%	0.45	0.47	0.46	0.46	0.01	0.38	0.47	0.46	0.44	0.05
Mn	ppm	623.03	698.57	489.92	603.84	105.64	328.15	376.08	307.43	337.22	35.21
Mo	ppm	2.39	2.64	2.35	2.46	0.15	1.48	1.66	2.00	1.71	0.26
Na	%	0.02	0.01	0.01	0.01	0.00	0.02	0.02	0.02	0.02	0.00
Ni	ppm	43.30	40.13	40.14	41.19	1.83	34.85	41.66	43.07	39.86	4.40
P	%	0.07	0.07	0.07	0.07	0.00	0.06	0.06	0.07	0.06	0.00
Pb	ppm	14.62	15.06	14.08	14.59	0.49	9.14	10.84	12.12	10.70	1.49
Sb	ppm	10.26	11.41	11.62	11.09	0.73	11.19	16.03	20.22	15.81	4.52
Se	ppm	1.85	1.74	1.70	1.76	0.08	1.40	1.86	2.00	1.75	0.31
Sr	ppm	54.20	51.66	50.30	52.05	1.98	55.56	63.42	68.80	62.59	6.66
Th	ppm	4.15	3.75	3.37	3.76	0.39	4.16	4.19	4.64	4.33	0.27
Ti	%	0.04	0.03	0.03	0.03	0.00	0.07	0.07	0.07	0.07	0.00
Tl	ppm	0.29	0.28	0.22	0.26	0.04	0.24	0.28	0.33	0.28	0.05
U	ppm	3.02	2.63	3.17	2.94	0.28	1.40	1.56	1.71	1.56	0.15
V	ppm	72.15	68.43	63.50	68.03	4.34	55.47	62.01	66.84	61.44	5.71
W	ppm	0.18	0.43	0.11	0.24	0.17	-0.10	-0.10	0.14	-0.02	0.14
Zn	ppm	177.56	178.58	169.56	175.24	4.94	122.89	136.32	157.17	138.79	17.28
LOI	%	9.38	9.08	8.26	8.90	0.58	8.02	8.95	9.09	8.69	0.58

LOI *Loss On Ignition*

Stream Sediment Analysis: HISTORICAL COMPARISON

		Lucky Ck. Monitoring Station										
		W13										
		BC-4										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			70.6	106.7	101.9	326.5	191.0	132.9	157.9	96.6	141.5	79.7
Sb	ppm			16.4	19.7	24.0	92.4	34.9	28.1	34.6	16.3	7.9	8.9
Cd	ppm			2.0	2.3	1.3	2.5	1.8	1.5	1.7	1.6	1.6	1.4
Cu	ppm			33.8	28.7	33.5	39.1	49.1	29.9	38.9	28.0	33.9	24.3
Hg	ppm			0.3	1.0	1.9	1.2	1.0	1.1	1.2	0.7	0.9	0.5
Mo	ppm			4.0	4.7	7.2	6.5	5.1	5.3	6.6	4.2	5.9	3.9
Pb	ppm			23.7	34.0	48.5	62.5	47.0	35.3	40.7	32.5	46.0	29.1
Ni	ppm			37.4	46.7	30.0	54.0	41.0	31.3	39.3	32.8	39.2	46.3
Zn	ppm			216.0	307.0	170.6	298.4	237.0	158.1	213.4	190.4	240.8	194.8

		Golden Creek Monitoring Stations										
		W16										
		BC-36										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			19.2	8.0	6.4	8.1	10.2	13.1	9.2	4.6	12.0	6.1
Sb	ppm			2.6	2.0	2.1	1.5	2.0	2.6	1.4	1.0	1.4	2.0
Cd	ppm			2.4	1.1	1.4	1.0	1.2	1.9	1.4	1.5	2.5	1.3
Cu	ppm			99.0	42.3	59.3	41.8	61.7	55.7	45.2	31.1	58.8	33.1
Hg	ppm			0.4	1.0	0.2	0.1	0.2	0.3	0.3	0.5	0.2	0.2
Mo	ppm			4.3	3.0	4.8	3.6	4.2	5.1	3.6	2.5	4.1	2.6
Pb	ppm				6.3	13.2	8.4	13.0	9.9	9.9	8.6	11.0	7.3
Ni	ppm			50.0	46.3	56.0	40.0	47.0	45.9	50.6	33.2	58.8	43.5
Zn	ppm			308.5	289.7	302.7	217.8	290.0	268.3	300.7	204.8	362.3	230.4

		Golden Creek Monitoring Stations										
		W02										
		BC-31										
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm	85.0	52.3	35.2	41.7	37.8	39.0	50.5	35.4	35.0	21.7	48.9	23.0
Sb	ppm	29.0	13.3	12.2	12.3	12.6	11.8	29.6	9.8	7.7	5.9	6.3	2.1
Cd	ppm	4.2	1.7	2.0	1.9	1.8	2.5	1.9	1.5	1.4	1.1	2.3	1.5
Cu	ppm	59.0	37.9	61.7	42.0	54.8	56.6	95.9	34.2	43.9	32.7	48.1	30.8
Hg	ppm	0.5	0.0	0.3	1.0	0.3	0.4	0.4	0.3	0.5	0.4	0.3	0.3
Mo	ppm	3.7	7.3	4.0	3.0	5.6	4.6	3.9	3.0	4.1	2.5	3.1	1.8
Pb	ppm	33.0	15.7	19.3	19.0	22.7	17.5	25.0	14.8	15.2	12.1	19.6	12.0
Ni	ppm	69.0	44.7	49.9	55.0	57.0	60.0	52.0	43.6	50.1	39.7	59.2	53.7
Zn	ppm	328.0	232.7	287.7	309.7	305.9	295.6	289.0	215.5	296.7	211.7	309.8	233.6

* *all values represent mean of replicate samples*

Stream Sediment Analysis: GRAIN SIZE DISTRIBUTION - Laura Creek & Carolyn Creek Monitoring Stations

	W03: Laura Ck. below Exploration Camp BC-32			W04B: Laura Ck. above Carolyn Ck. BC-3			W15: Carolyn Ck. above Laura Ck. BC-2		
	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight
ASTM Mesh +12	52.51%	54.49%	37.67%	3.27%	3.32%	3.12%	7.41%	8.64%	5.87%
ASTM Mesh -12+20	19.52%	19.55%	25.29%	7.33%	7.51%	6.70%	10.48%	9.73%	10.70%
ASTM Mesh -20+40	9.81%	9.12%	13.37%	14.12%	14.12%	12.43%	8.61%	8.32%	11.41%
ASTM Mesh -40+60	6.24%	5.49%	9.01%	17.72%	16.84%	14.31%	6.73%	6.59%	8.54%
ASTM Mesh -60+100	3.79%	3.84%	4.98%	12.84%	12.79%	10.88%	6.42%	6.80%	7.64%
ASTM Mesh -100+140	1.56%	1.74%	2.23%	10.35%	6.85%	10.00%	6.91%	7.54%	7.72%
ASTM Mesh -140+270	2.71%	3.76%	5.08%	20.39%	23.17%	25.19%	36.79%	37.03%	25.12%
ASTM Mesh -270	3.86%	2.00%	2.37%	13.98%	15.39%	17.37%	16.66%	15.36%	23.01%
Total Percentage	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

	W05: Laura Ck. above Ditch Rd. BC-1			W05A: Laura Ck. at the Ditch Rd. BC-37			W39A: Laura Ck. at the Ditch Rd. BC-39		
	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight
ASTM Mesh +12	2.42%	2.56%	5.50%	44.11%	47.53%	51.41%	19.24%	11.55%	11.40%
ASTM Mesh -12+20	7.48%	8.62%	9.42%	20.02%	18.26%	10.62%	18.34%	15.23%	9.90%
ASTM Mesh -20+40	11.12%	16.77%	13.34%	7.97%	8.06%	4.66%	17.66%	22.81%	22.87%
ASTM Mesh -40+60	13.38%	15.05%	12.00%	4.17%	5.00%	4.18%	14.76%	18.86%	20.84%
ASTM Mesh -60+100	11.41%	10.90%	10.13%	2.13%	2.85%	3.06%	10.27%	12.38%	12.70%
ASTM Mesh -100+140	6.79%	5.62%	7.03%	1.28%	1.89%	2.37%	5.21%	5.97%	7.04%
ASTM Mesh -140+270	26.95%	19.45%	21.93%	7.09%	7.16%	9.96%	8.69%	8.35%	9.98%
ASTM Mesh -270	20.45%	21.04%	20.65%	13.23%	9.24%	13.74%	5.83%	4.85%	5.27%
Total Percentage	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

	Laura Ck. Wetlands Area		
	A % Weight	B % Weight	C % Weight
ASTM Mesh +12	5.13%	5.93%	10.29%
ASTM Mesh -12+20	8.51%	8.37%	10.70%
ASTM Mesh -20+40	5.73%	5.69%	6.13%
ASTM Mesh -40+60	5.65%	5.22%	5.35%
ASTM Mesh -60+100	7.26%	5.60%	7.56%
ASTM Mesh -100+140	9.73%	10.26%	9.83%
ASTM Mesh -140+270	39.11%	38.76%	26.75%
ASTM Mesh -270	18.87%	20.17%	23.40%
Total Percentage	**99.99%**	**100.00%**	**100.01%**

Stream Sediment Analysis: GRAIN SIZE DISTRIBUTION - Golden Creek, Lucky Creek & Klondike River Monitoring Stations

	W16: Golden Ck. above Lucky Ck. BC-36			W13: Lucky Ck. downstream of Lucky Pit BC-4			W02: Golden Ck. above the Klondike BC-31		
	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight
ASTM Mesh +12	12.71%	9.52%	14.23%	34.63%	39.08%	52.23%	66.45%	63.29%	59.34%
ASTM Mesh -12+20	45.58%	41.81%	42.80%	35.78%	37.02%	29.39%	14.77%	15.51%	10.83%
ASTM Mesh -20+40	30.15%	34.93%	31.90%	15.93%	12.37%	12.40%	8.71%	9.38%	8.23%
ASTM Mesh -40+60	7.09%	7.53%	8.47%	7.33%	7.35%	3.72%	2.18%	2.59%	4.08%
ASTM Mesh -60+100	1.43%	1.71%	1.28%	1.78%	1.97%	0.86%	0.54%	1.28%	1.95%
ASTM Mesh -100+140	0.46%	0.61%	0.27%	0.66%	0.39%	0.18%	0.30%	0.76%	2.90%
ASTM Mesh -140+270	1.27%	1.96%	0.53%	1.77%	0.76%	0.40%	2.66%	2.82%	5.20%
ASTM Mesh -270	1.31%	1.94%	0.51%	2.13%	1.06%	0.83%	4.40%	4.36%	7.47%
Total Percentage	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

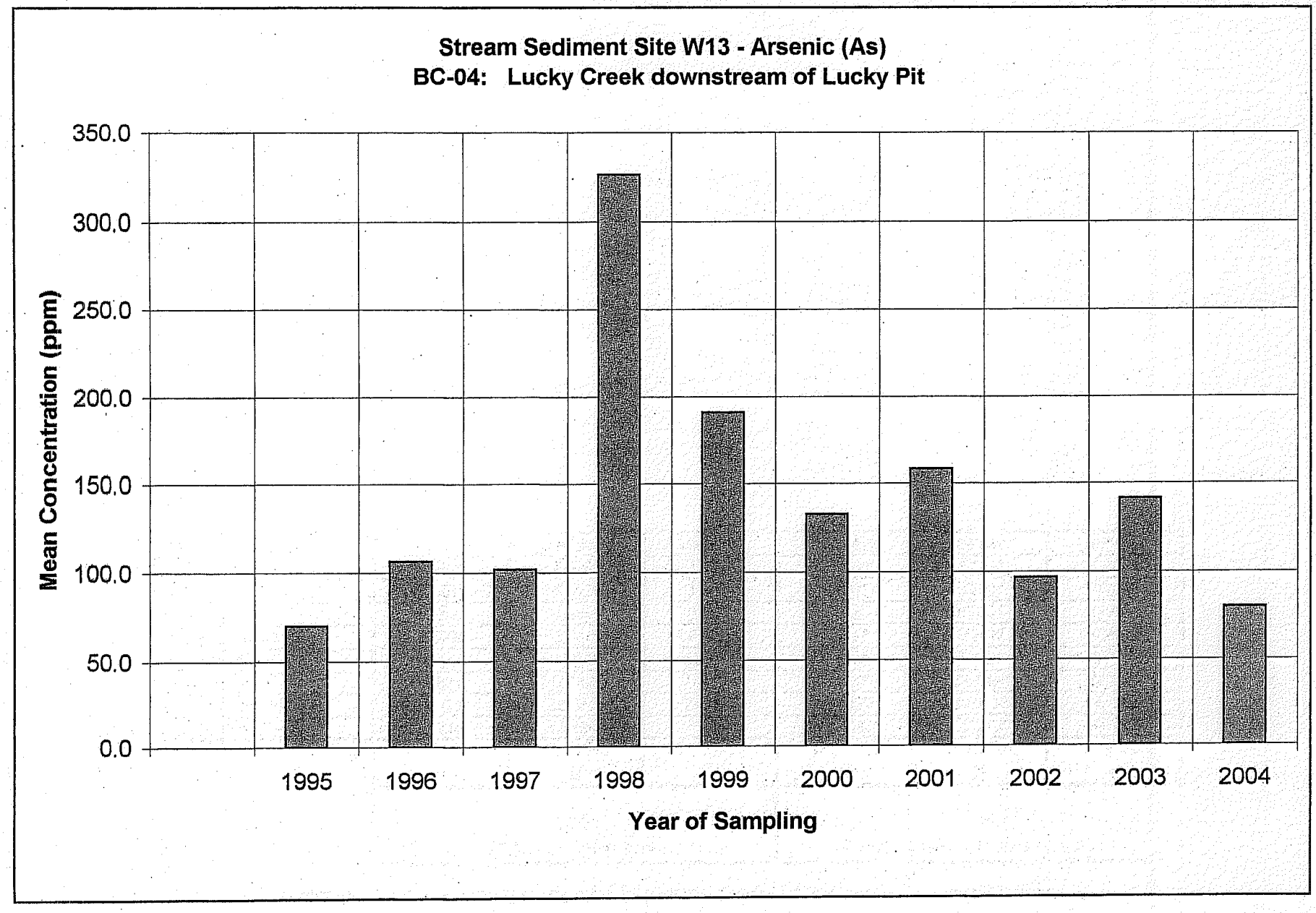
	W08: Klondike River above Golden Ck. BC-38			W09: Klondike Rive below Lee Ck. BC-6		
	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight
ASTM Mesh +12	1.19%	1.26%	0.85%	50.12%	73.71%	58.63%
ASTM Mesh -12+20	4.63%	3.94%	3.80%	24.90%	15.87%	21.69%
ASTM Mesh -20+40	35.14%	37.91%	35.36%	11.69%	5.65%	9.30%
ASTM Mesh -40+60	43.48%	45.99%	50.56%	6.52%	2.56%	4.86%
ASTM Mesh -60+100	12.06%	8.77%	7.72%	3.80%	1.36%	3.49%
ASTM Mesh -100+140	0.92%	0.74%	0.38%	1.03%	0.26%	0.52%
ASTM Mesh -140+270	1.17%	0.74%	0.61%	1.02%	0.26%	0.78%
ASTM Mesh -270	1.41%	0.65%	0.72%	0.91%	0.33%	0.74%
Total Percentage	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

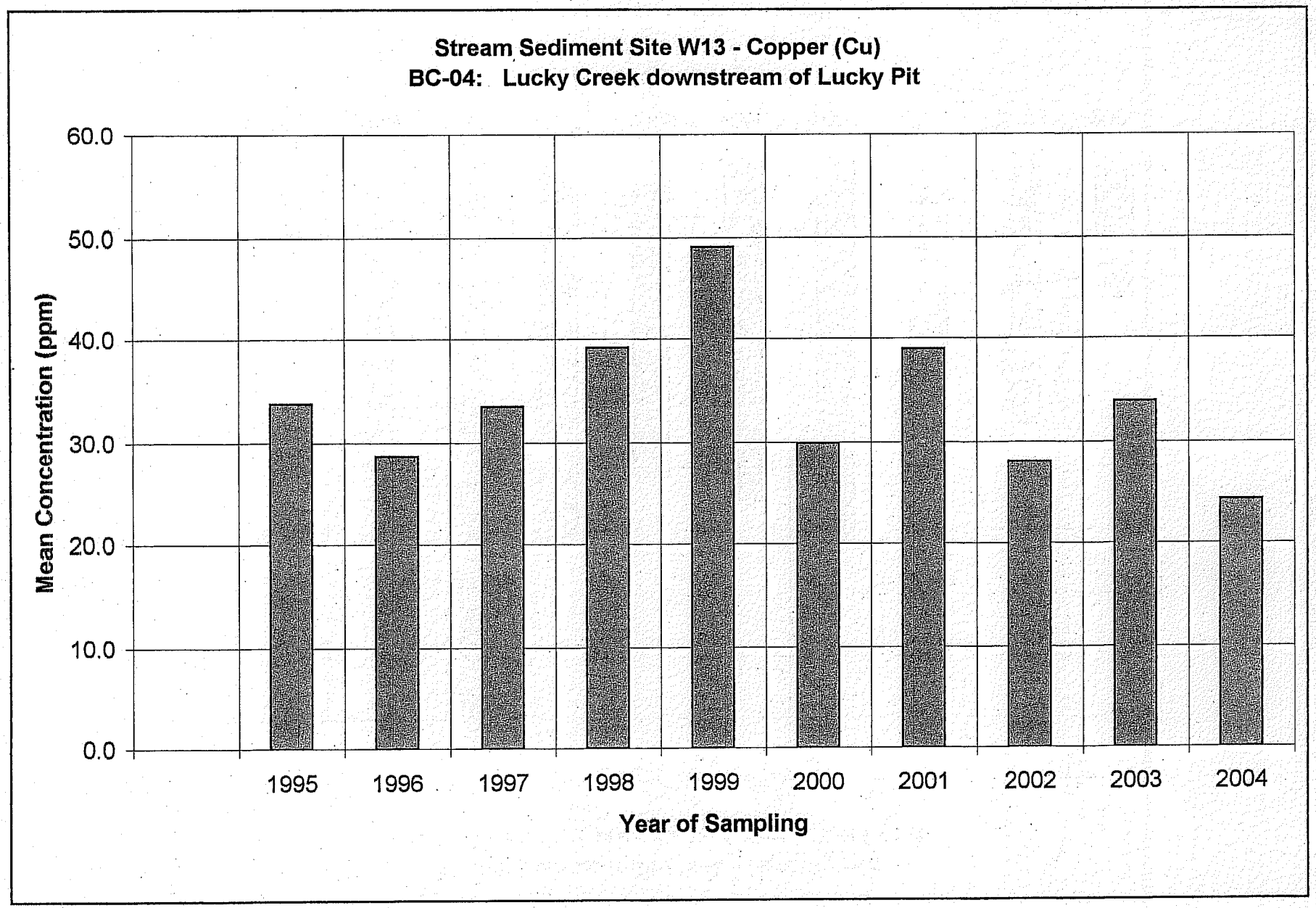
Stream Sediment Analysis: GRAIN SIZE DISTRIBUTION - Lee Creek Monitoring Stations

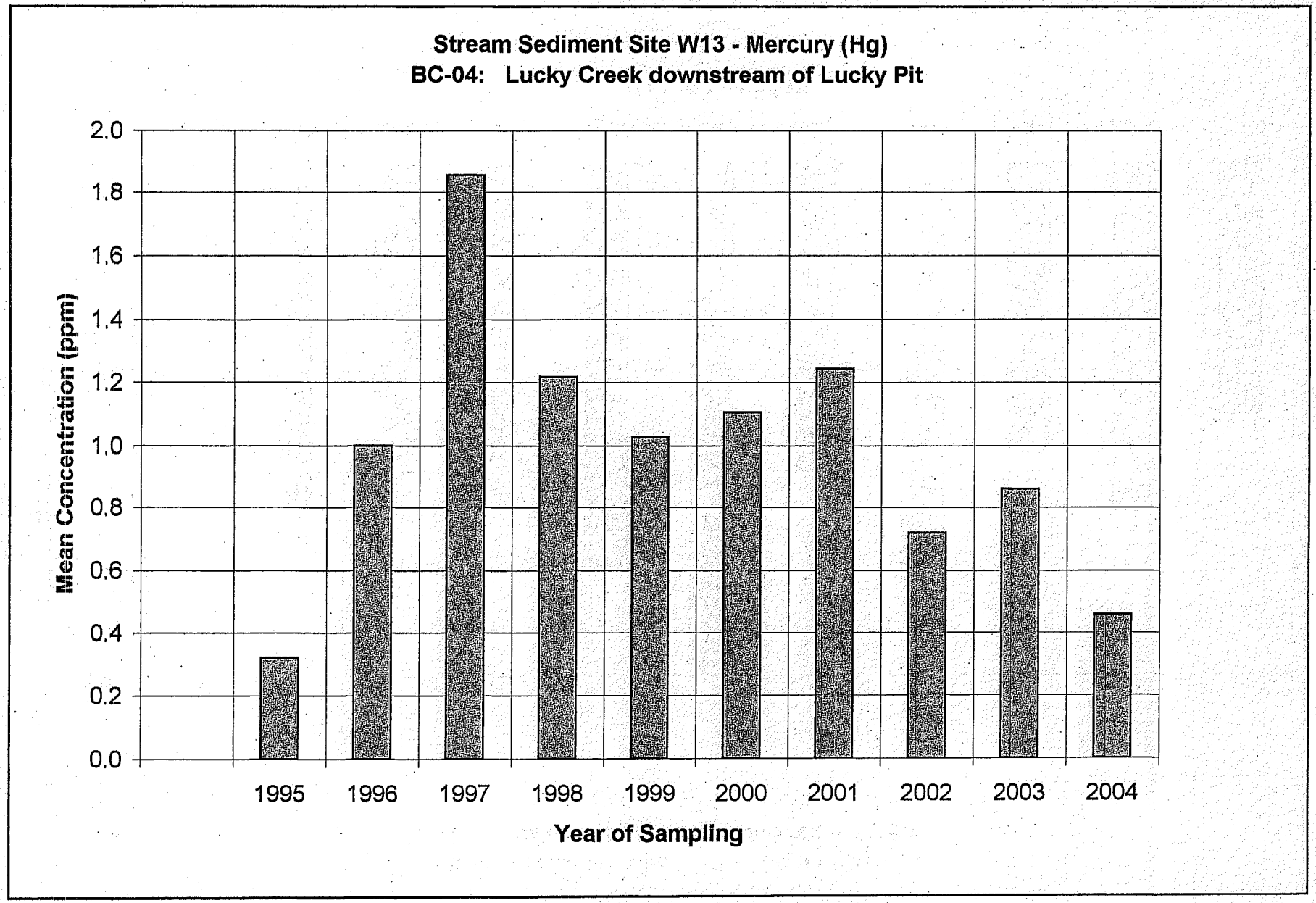
	W06A: Lee Creek above Pacific Creek BC-33			W07: Lee Creek at the Ditch Road BC-34		
	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight
ASTM Mesh +12	66.13%	70.51%	70.87%	60.51%	67.90%	3.25%
ASTM Mesh -12+20	19.95%	16.91%	17.77%	21.41%	19.91%	6.84%
ASTM Mesh -20+40	10.74%	9.18%	8.85%	6.00%	5.02%	12.87%
ASTM Mesh -40+60	2.77%	2.56%	2.05%	5.24%	3.34%	13.50%
ASTM Mesh -60+100	0.26%	0.40%	0.28%	3.48%	1.99%	14.93%
ASTM Mesh -100+140	0.07%	0.04%	0.07%	1.22%	0.64%	16.17%
ASTM Mesh -140+270	0.01%	0.26%	0.02%	1.44%	0.73%	16.05%
ASTM Mesh -270	0.07%	0.14%	0.09%	0.70%	0.47%	16.38%
Total Percentage	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

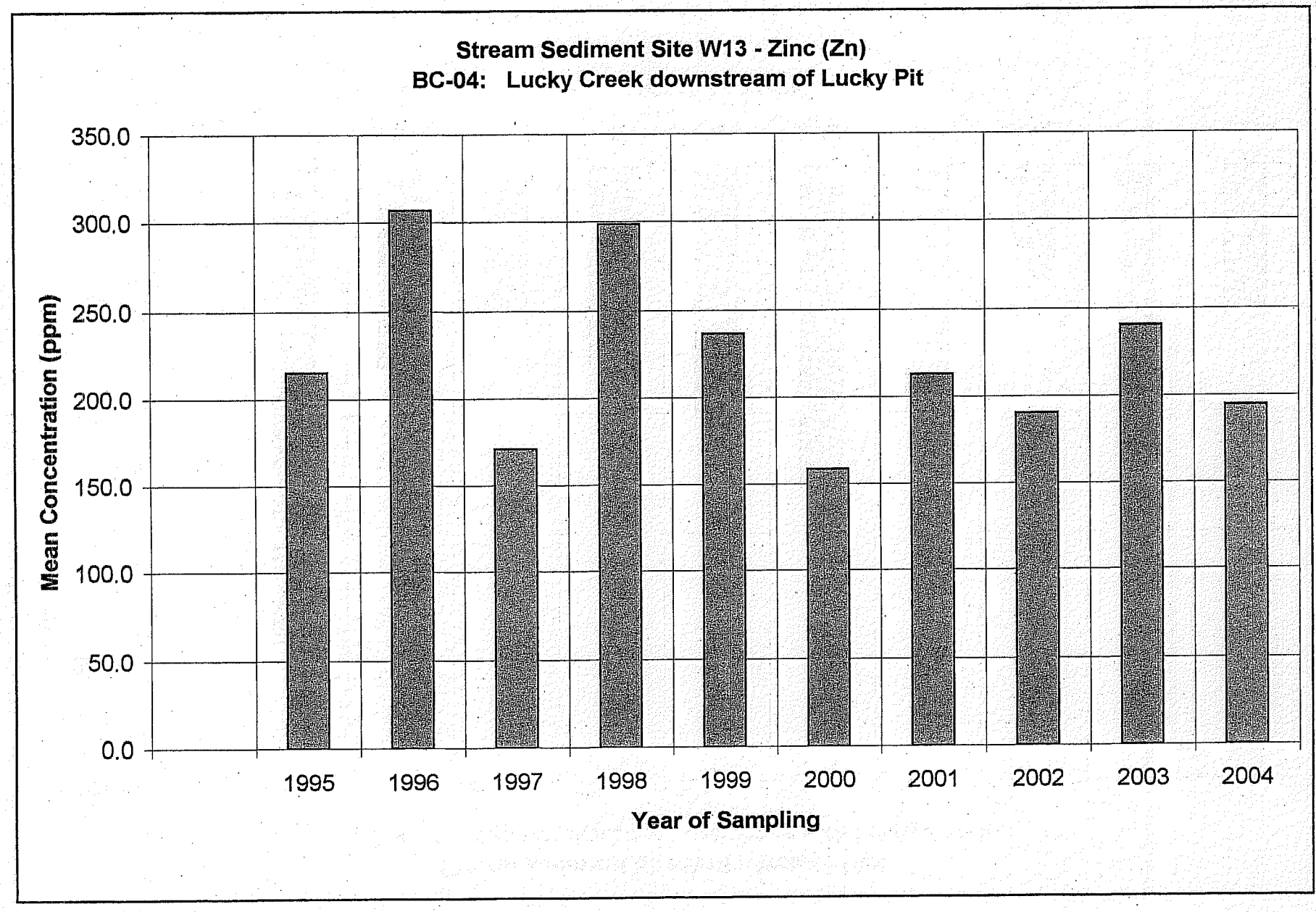
Stream Sediment Analysis: GRAIN SIZE DISTRIBUTION - Pacific Creek Monitoring Stations

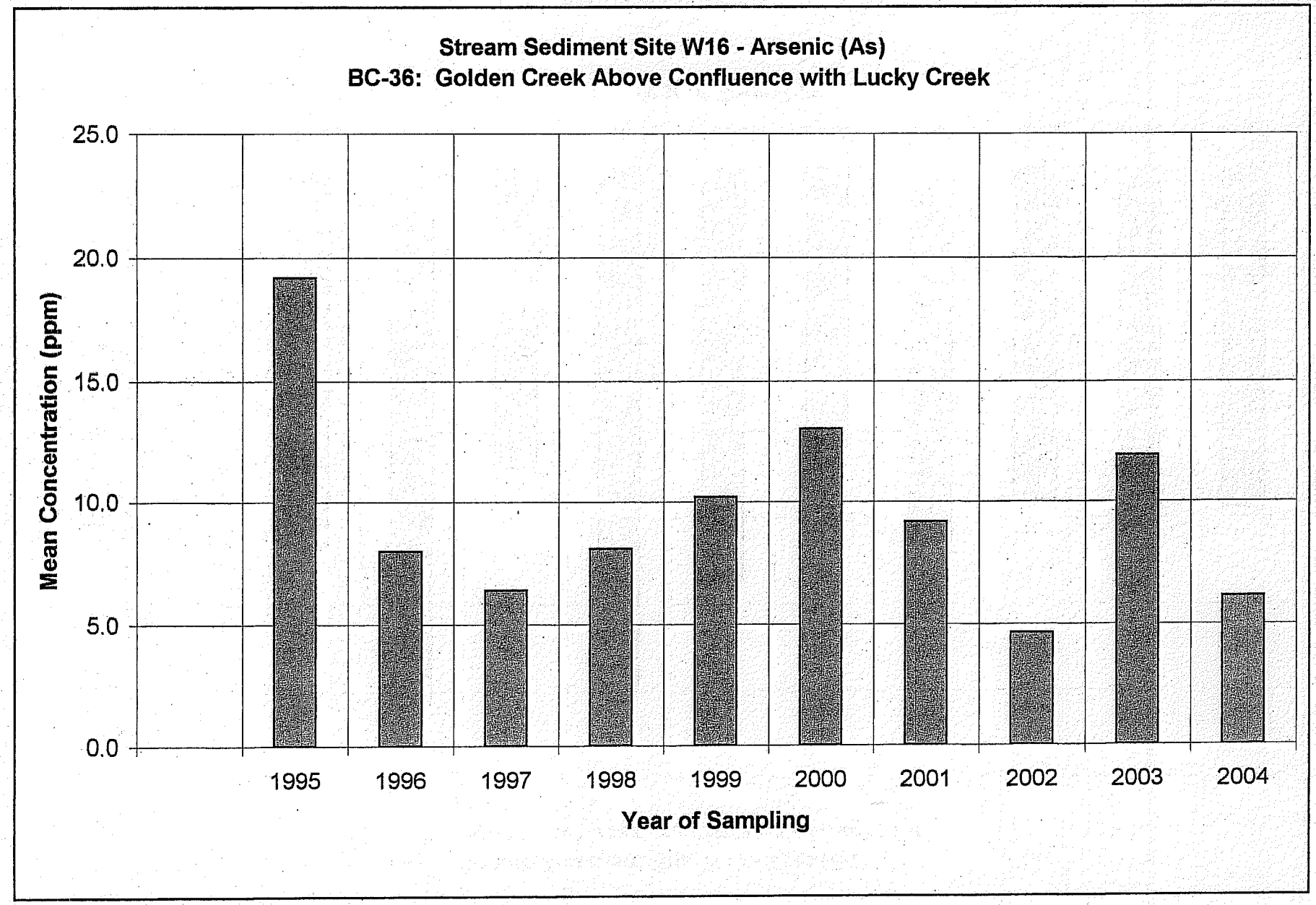
	W14: Pacific Ck. below Mine Camp BC-35			W11: Pacific Ck. above Lee Ck. BC-5		
	A % Weight	B % Weight	C % Weight	A % Weight	B % Weight	C % Weight
ASTM Mesh +12	44.64%	11.88%	6.34%	80.25%	51.71%	65.38%
ASTM Mesh -12+20	34.03%	39.31%	53.87%	12.62%	30.29%	18.37%
ASTM Mesh -20+40	11.93%	19.26%	19.32%	5.45%	13.54%	10.20%
ASTM Mesh -40+60	4.97%	9.61%	11.01%	1.26%	3.37%	3.01%
ASTM Mesh -60+100	2.25%	7.20%	6.49%	0.15%	0.50%	0.90%
ASTM Mesh -100+140	0.54%	1.55%	0.60%	0.02%	0.07%	0.32%
ASTM Mesh -140+270	0.78%	5.91%	1.34%	0.09%	0.24%	0.99%
ASTM Mesh -270	0.86%	5.29%	1.02%	0.15%	0.28%	0.82%
Total Percentage	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

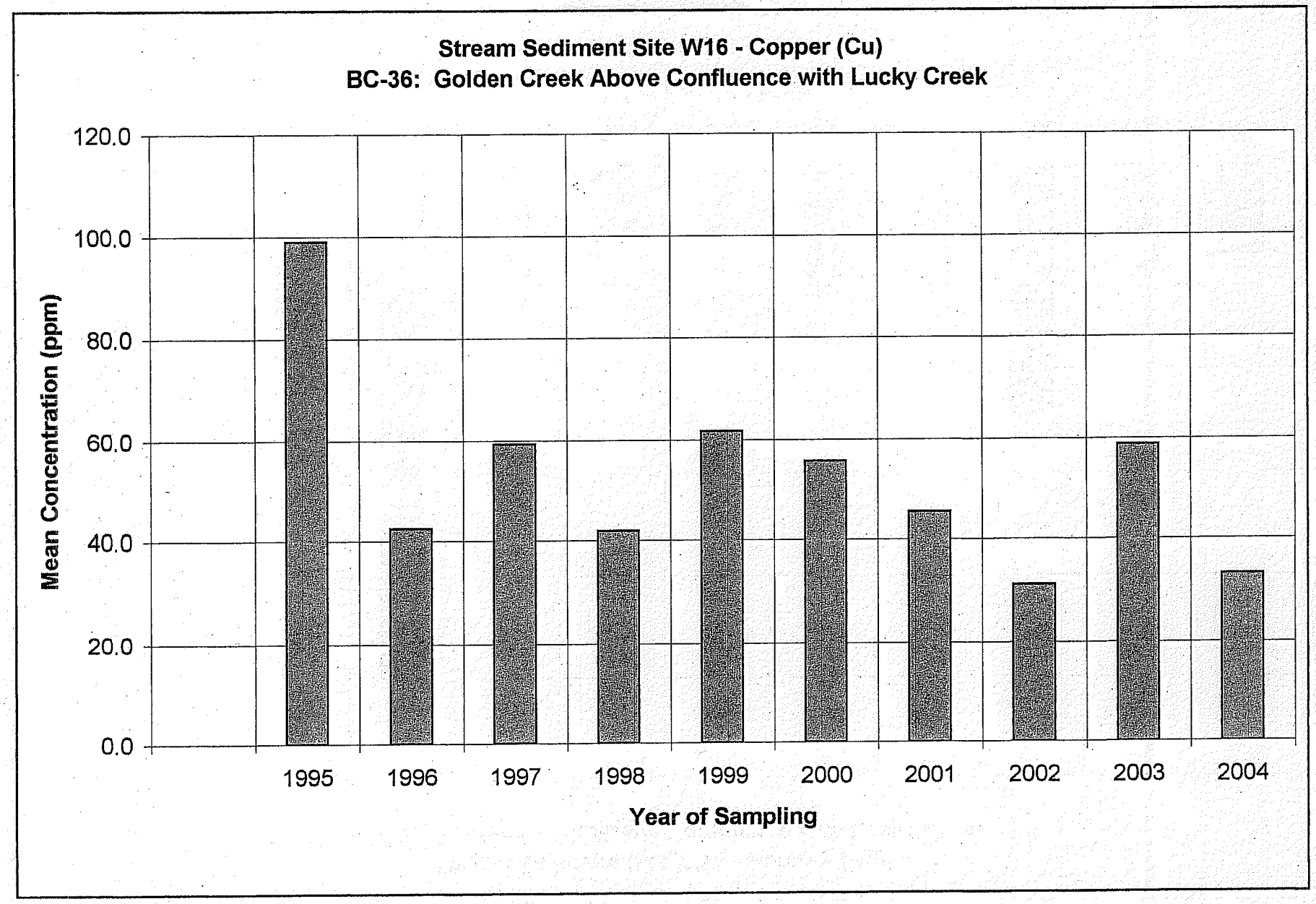

Stream Sediment Site W13 - Arsenic (As)
BC-04: Lucky Creek downstream of Lucky Pit
Mean Concentration (ppm)
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling

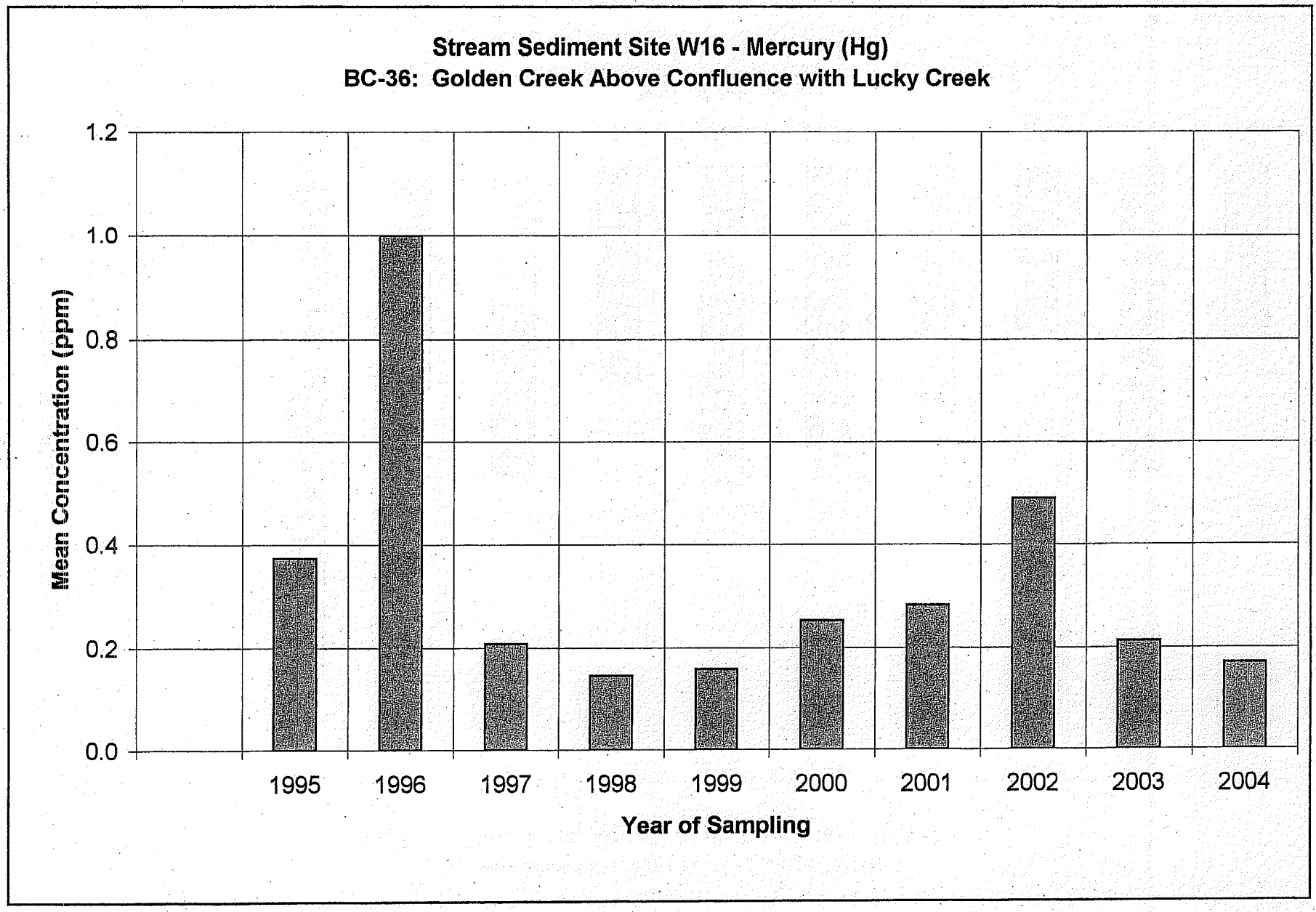

Stream Sediment Site W13 - Copper (Cu)
BC-04: Lucky Creek downstream of Lucky Pit
Mean Concentration (ppm)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling

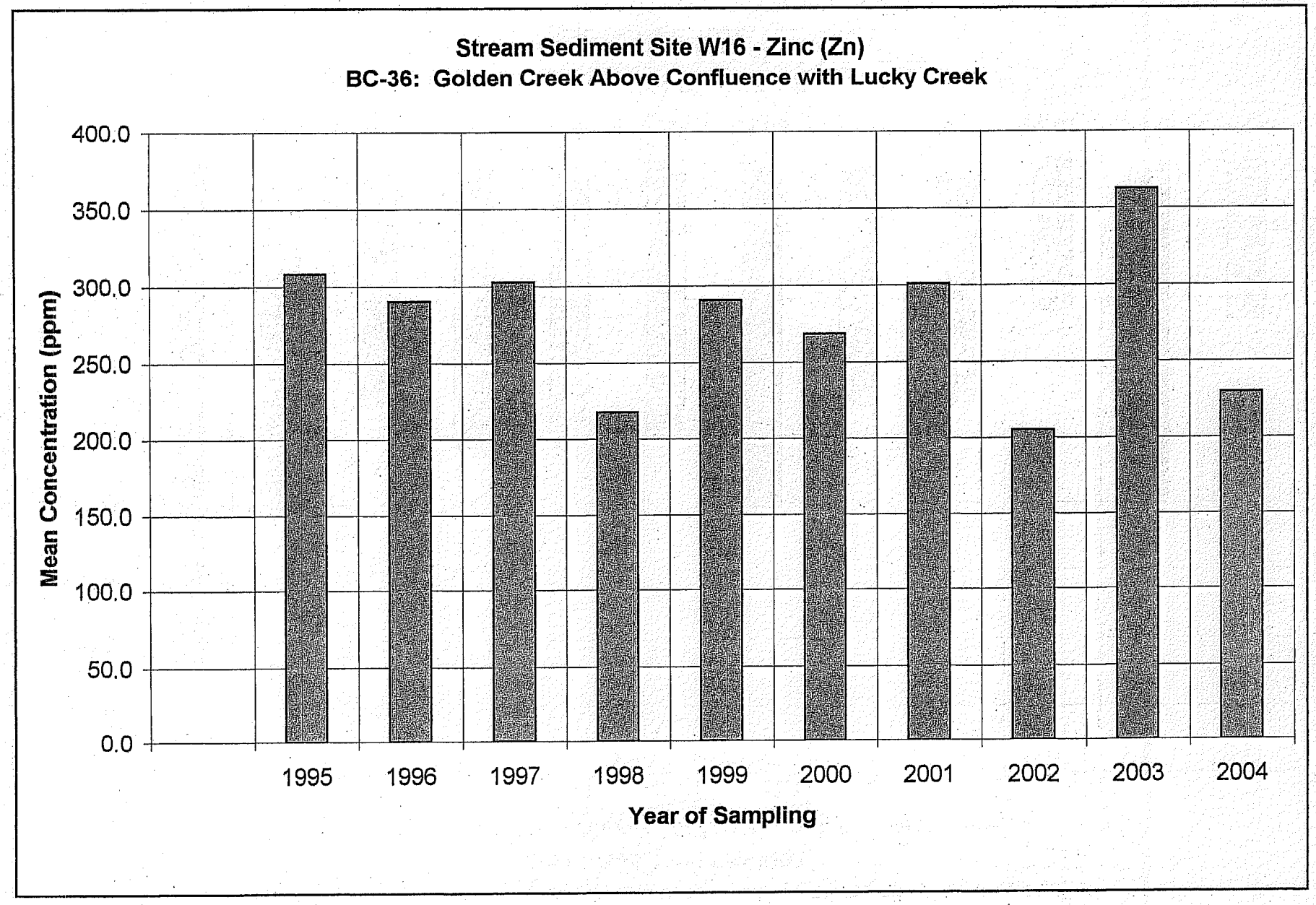

Stream Sediment Site W13 - Mercury (Hg)
BC-04: Lucky Creek downstream of Lucky Pit
Mean Concentration (ppm)
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling

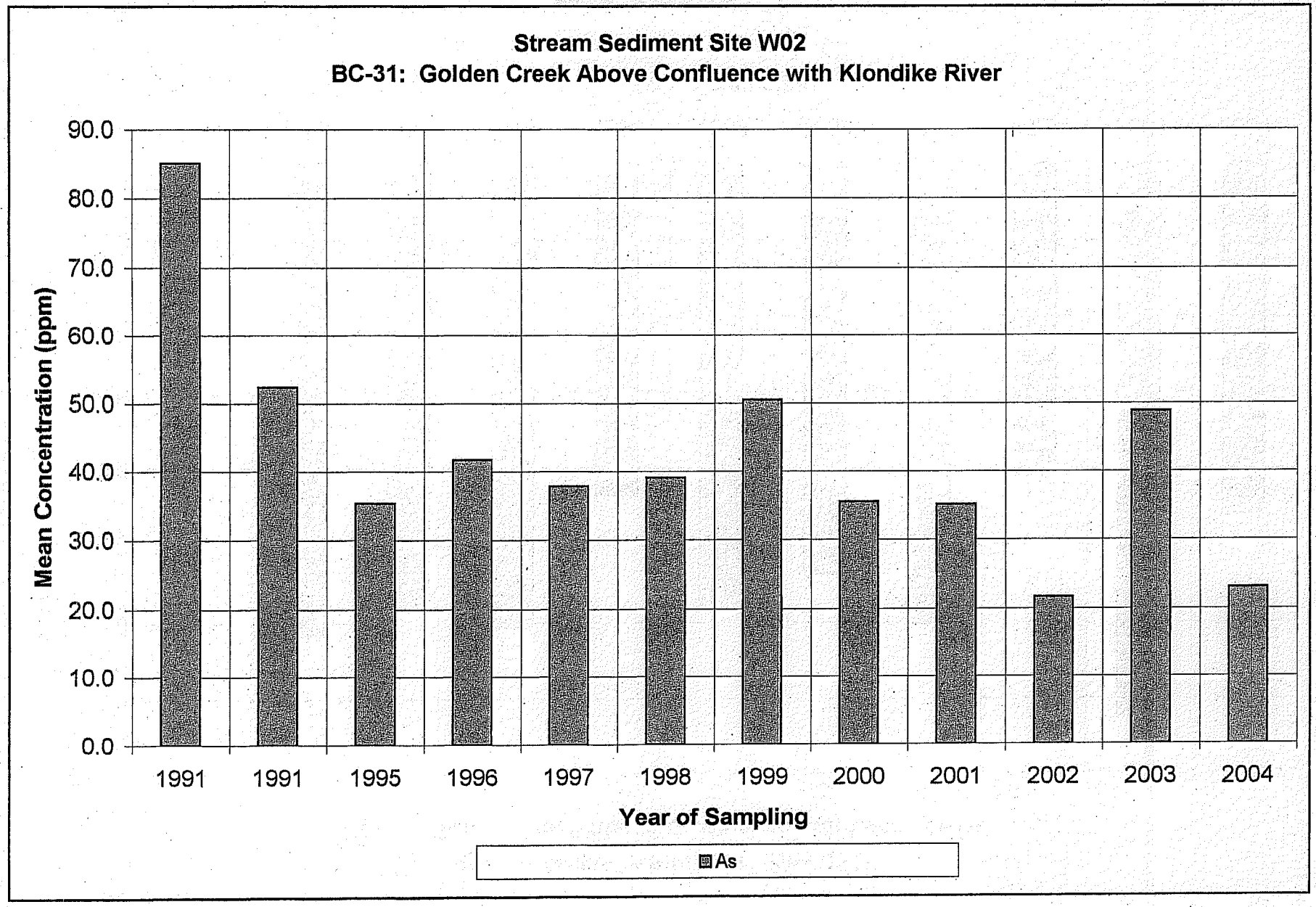

Stream Sediment Site W13 - Zinc (Zn)
BC-04: Lucky Creek downstream of Lucky Pit
Mean Concentration (ppm)
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling

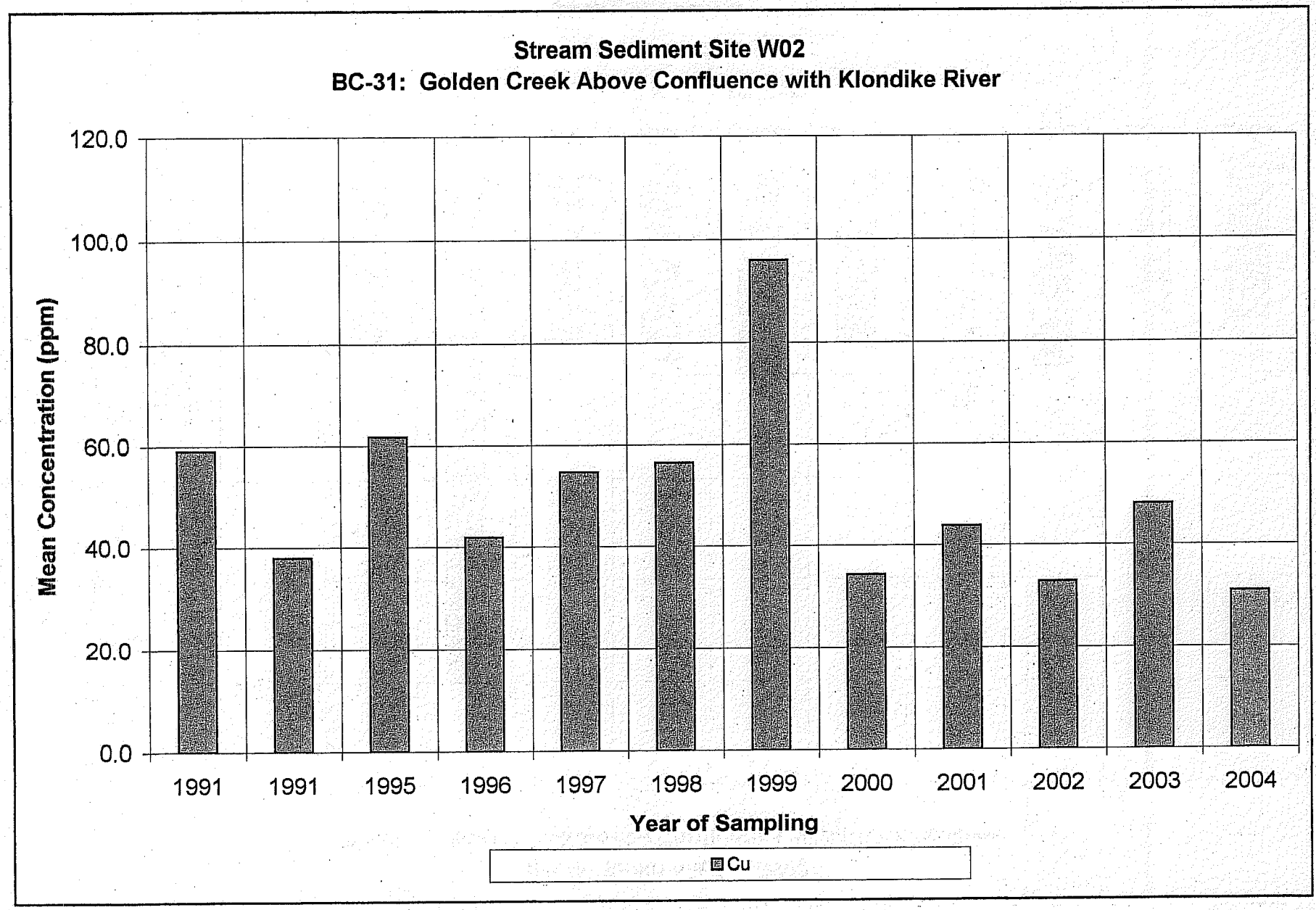

Stream Sediment Site W16 - Arsenic (As)
BC-36: Golden Creek Above Confluence with Lucky Creek
Mean Concentration (ppm)
25.0
20.0
15.0
10.0
5.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling

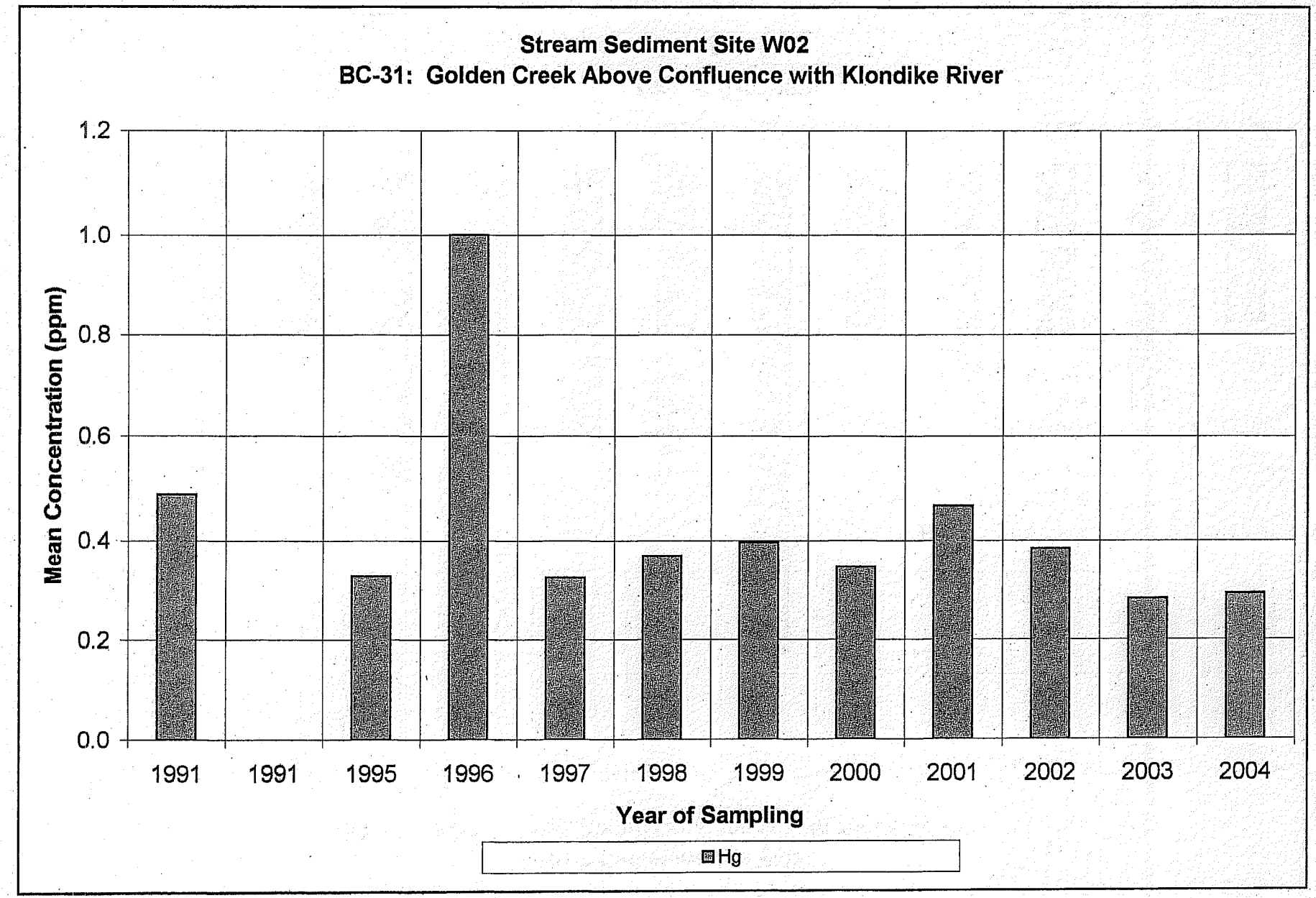

Stream Sediment Site W16 - Copper (Cu)
BC-36: Golden Creek Above Confluence with Lucky Creek
Mean Concentration (ppm)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling

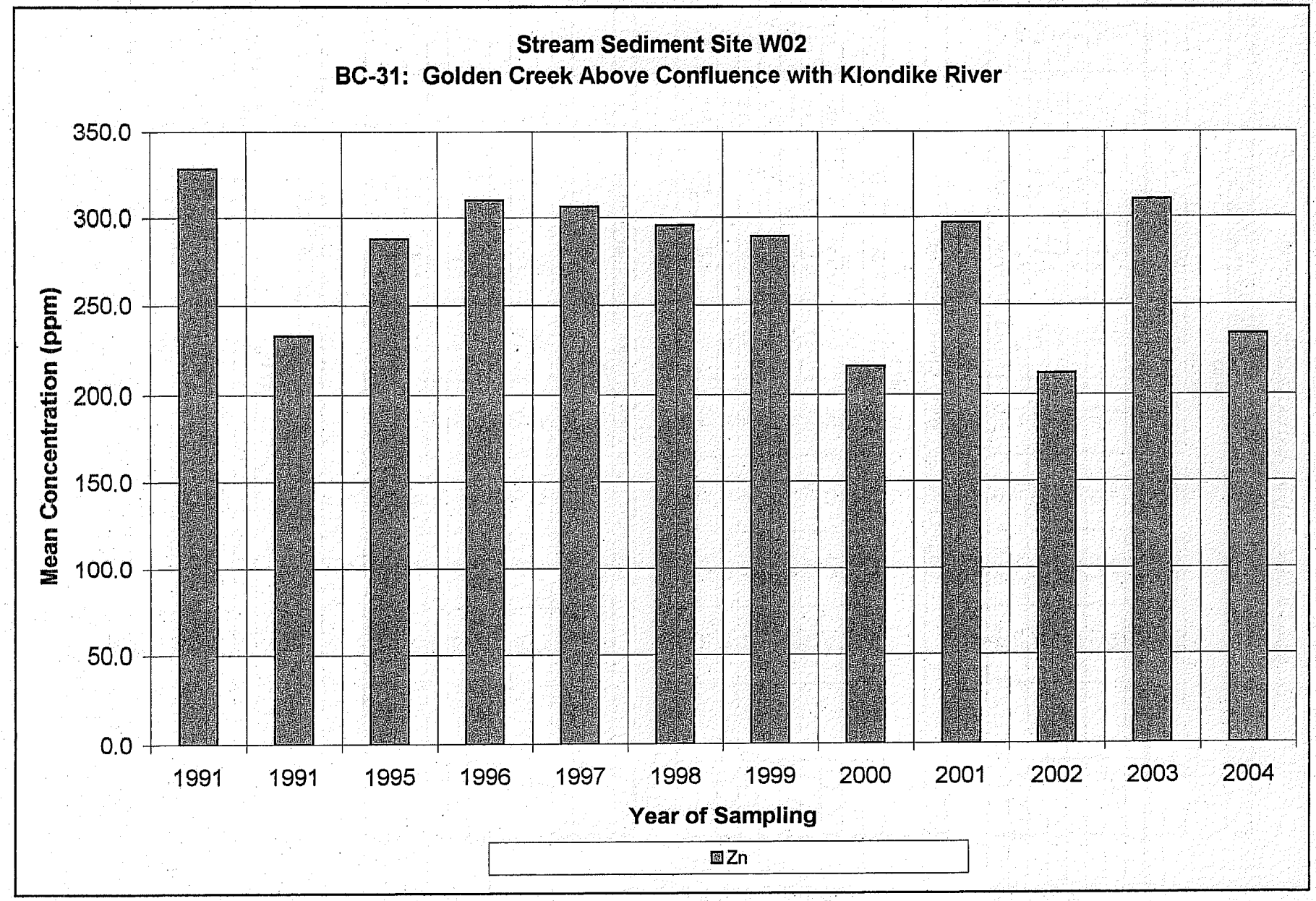

Stream Sediment Site W16 - Mercury (Hg)
BC-36: Golden Creek Above Confluence with Lucky Creek
Mean Concentration (ppm)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling


Stream Sediment Site W16 - Zinc (Zn)
BC-36: Golden Creek Above Confluence with Lucky Creek
Mean Concentration (ppm)
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling


Stream Sediment Site W02
BC-31: Golden Creek Above Confluence with Klondike River
Mean Concentration (ppm)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As


Stream Sediment Site W02
BC-31: Golden Creek Above Confluence with Klondike River
Mean Concentration (ppm)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu


Stream Sediment Site W02
BC-31: Golden Creek Above Confluence with Klondike River
Mean Concentration (ppm)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg


Stream Sediment Site W02
BC-31: Golden Creek Above Confluence with Klondike River
Mean Concentration (ppm)
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

Stream Sediment Analysis: HISTORICAL COMPARISON

Laura Creek and Carolyn Creek Monitoring Stations

W03
BC-32

				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			108.6	47.0	61.9	104.5	263.0	103.5	100.8	79.1	128.0	216.4
Sb	ppm			94.2	43.0	61.9	83.8	162.6	47.8	61.6	41.7	31.4	59.9
Cd	ppm			2.0	1.3	1.6	2.6	1.1	2.0	2.3	1.8	2.5	2.0
Cu	ppm			32.3	23.0	31.4	32.3	51.6	35.1	36.2	27.5	36.5	34.7
Hg	ppm			0.4	0.3	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.4
Mo	ppm			4.0	3.0	4.5	6.1	9.1	5.3	5.3	4.2	5.2	6.7
Pb	ppm			15.0	12.0	21.3	22.1	19.0	17.6	21.9	16.6	22.9	16.6
Ni	ppm			33.3	34.0	42.0	45.0	48.0	35.6	45.2	34.5	48.4	55.8
Zn	ppm			199.0	204.0	224.1	278.4	203.0	177.9	248.1	202.8	281.0	224.7

Laura Creek and Carolyn Creek Monitoring Stations

W04B
BC-3

				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			14.5	39.0	46.8	64.4	79.3	112.1	51.6	34.7	71.8	21.5
Sb	ppm			4.3	17.0	25.1	30.5	30.5	321.3	19.9	13.1	12.8	9.4
Cd	ppm			2.0	0.6	1.0	1.1	1.1	1.7	1.0	1.0	1.1	0.5
Cu	ppm			27.4	23.0	30.8	27.3	65.7	33.3	26.1	22.0	24.9	16.3
Hg	ppm			0.0	0.1	0.1	0.2	0.3	0.5	0.2	0.2	0.2	0.1
Mo	ppm			4.0	1.0	3.0	2.9	3.3	3.3	2.0	1.8	2.1	1.3
Pb	ppm			11.0	10.0	27.1	20.1	22.0	25.8	14.0	11.6	13.8	8.4
Ni	ppm			24.5	34.0	39.0	43.0	40.0	43.3	42.5	32.0	43.7	29.6
Zn	ppm			66.8	157.0	159.7	187.0	205.0	176.5	183.9	138.3	189.1	99.9

Laura Creek and Carolyn Creek Monitoring Stations

W15
BC-2

				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			10.7	11.0	12.6	20.2	16.0	16.4	14.2	12.0	19.6	8.0
Sb	ppm			1.6	2.0	3.8	4.0	3.8	2.9	2.7	2.2	2.8	1.5
Cd	ppm			2.0	0.2	0.6	1.1	0.7	0.7	0.5	0.6	0.7	0.3
Cu	ppm			17.9	21.0	35.7	47.3	43.6	32.6	27.0	25.1	31.3	14.4
Hg	ppm			0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Mo	ppm			4.0	1.0	1.8	1.8	0.9	0.9	0.8	0.7	1.0	0.5
Pb	ppm			10.0	7.0	22.2	20.2	8.0	14.8	13.1	11.9	15.5	8.7
Ni	ppm			18.2	22.0	28.0	36.0	24.0	24.9	27.6	21.8	31.7	24.2
Zn	ppm			61.3	74.0	68.6	88.2	81.0	59.9	78.9	64.6	88.8	69.0

Laura Creek and Carolyn Creek Monitoring Stations

W05
BC-1

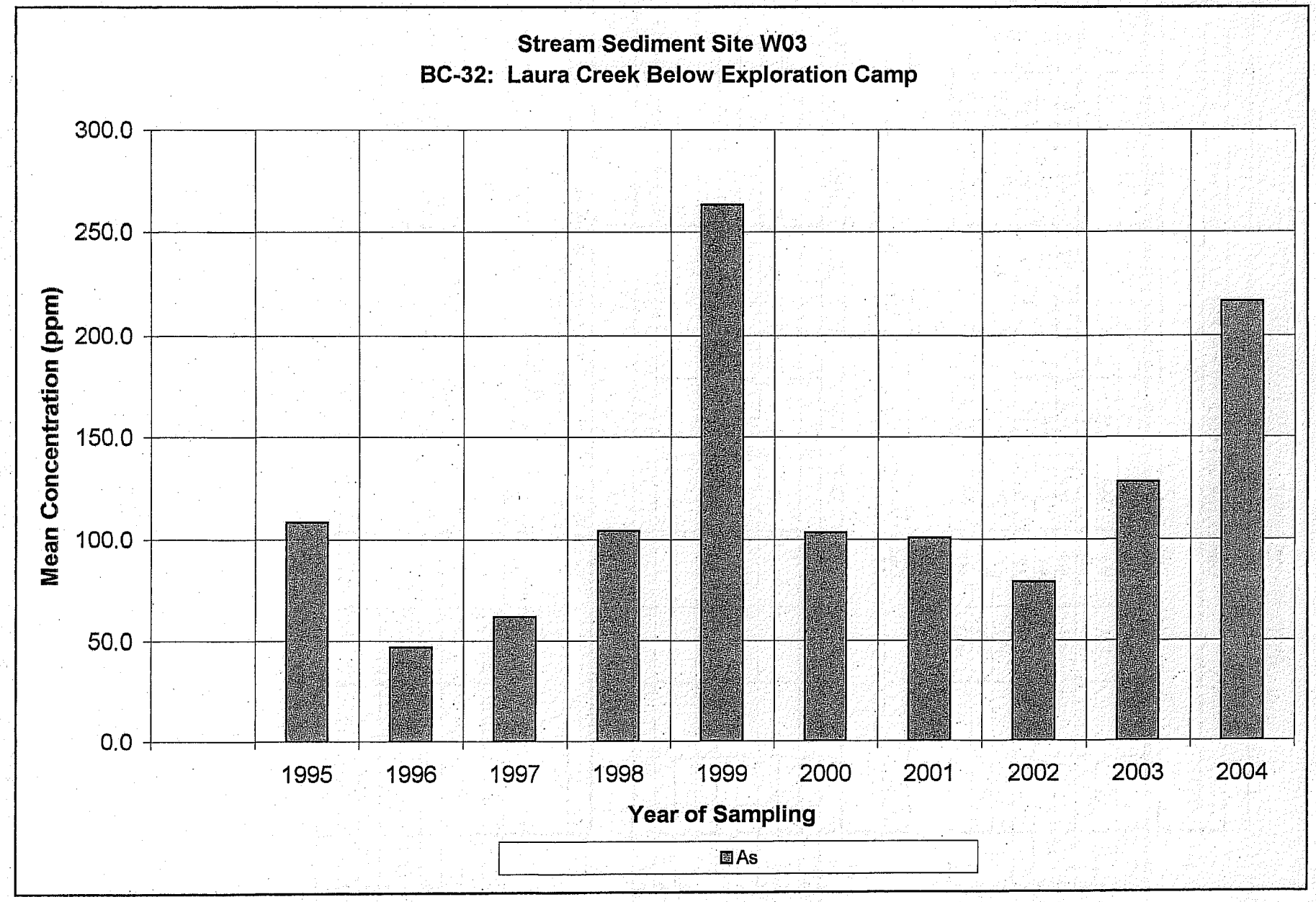
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm	69.0	15.3	21.1	41.0	66.4	73.4	65.8	121.6	71.4	43.1	47.5	52.7
Sb	ppm	16.0	9.3	7.2	21.0	31.3	34.8	24.9	31.9	21.1	10.8	6.5	13.8
Cd	ppm	3.1	1.1	2.0	1.1	1.6	2.0	1.2	1.7	1.2	1.1	0.8	0.8
Cu	ppm	41.0	32.8	31.5	31.0	38.4	32.3	40.9	31.2	26.8	24.3	24.8	20.3
Hg	ppm	0.1	0.0	0.1	0.1	0.2	0.3	0.3	0.5	0.3	0.2	0.1	0.2
Mo	ppm	2.0	4.3	4.0	3.0	4.6	3.8	3.0	4.0	3.0	1.8	2.1	1.6
Pb	ppm	16.0	16.0	10.0	14.0	28.3	19.0	18.0	26.8	15.4	11.2	12.3	9.9
Ni	ppm	59.0	38.3	27.6	43.0	43.0	47.0	38.0	44.8	41.5	31.2	35.7	34.4
Zn	ppm	215.0	168.3	88.0	189.0	174.6	185.3	175.0	176.0	175.6	124.6	141.8	120.8

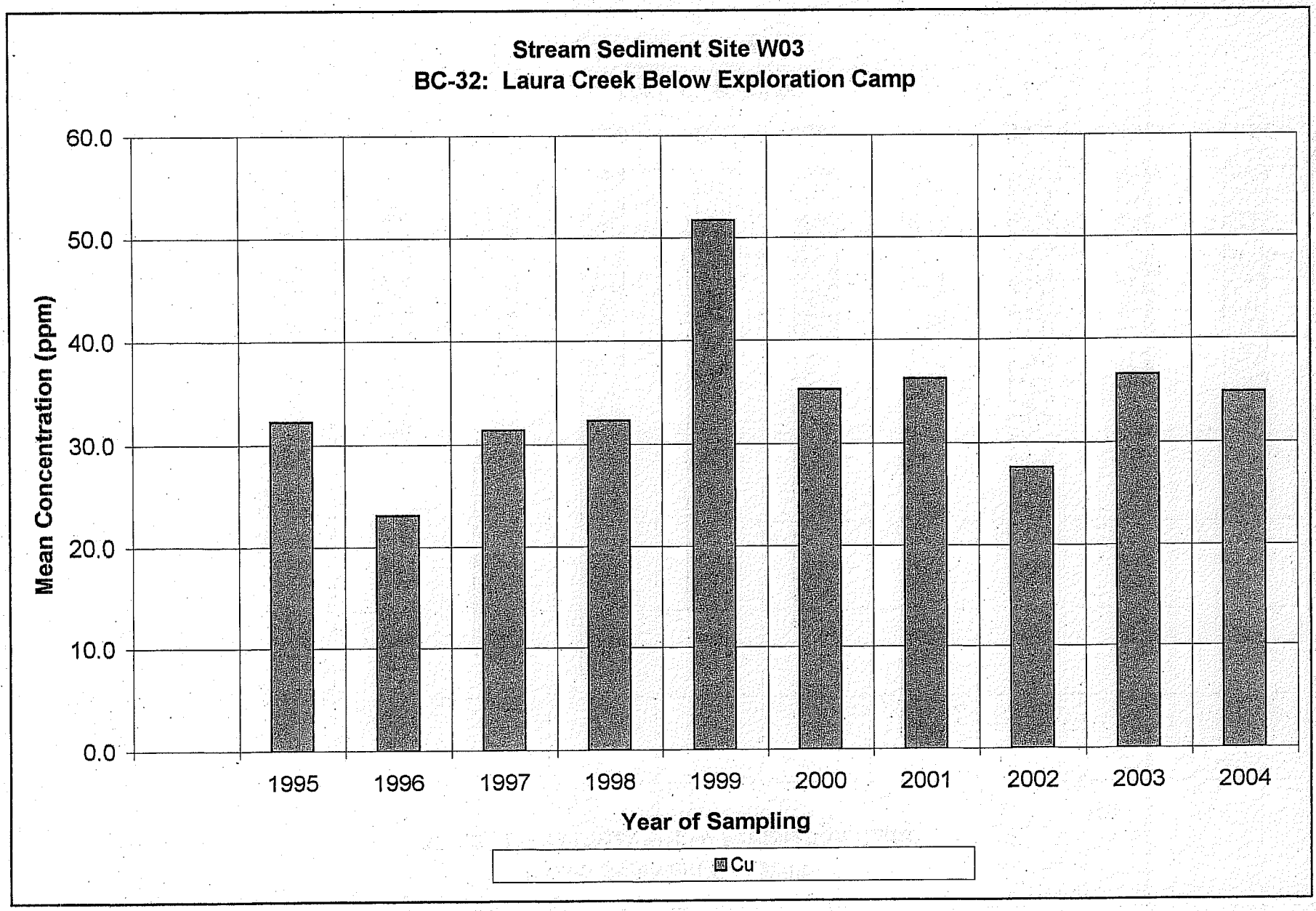
Stream Sediment Analysis: HISTORICAL COMPARISON

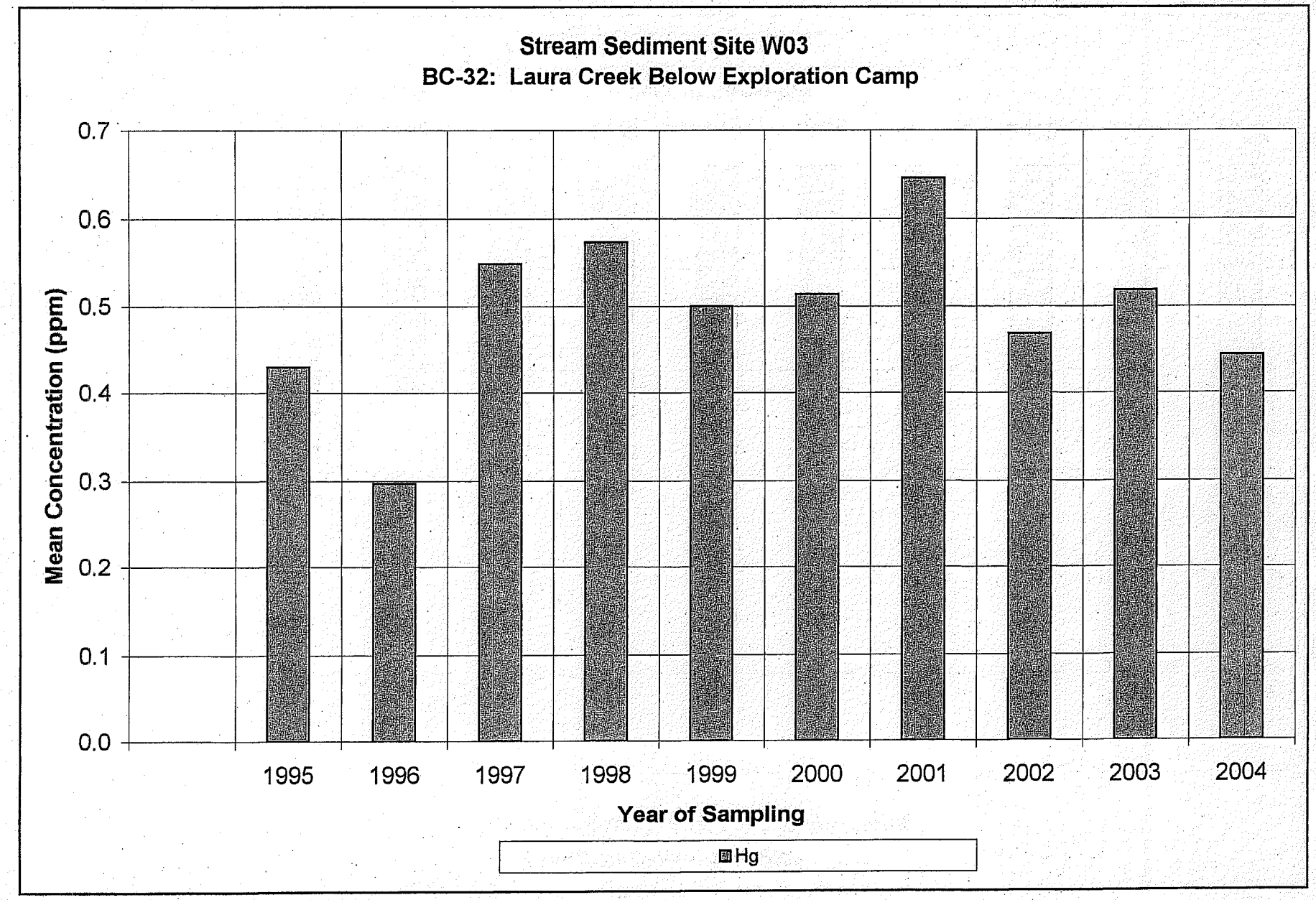
		Laura Creek and Carolyn Creek Monitoring Stations										
		W05A BC-37										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			28.1	46.0	77.4	70.1	80.9	70.9	99.3	41.8	61.8	39.5
Sb	ppm			12.1	19.0	36.0	30.4	32.0	19.7	24.1	11.0	9.7	7.2
Cd	ppm			2.0	0.6	1.7	1.7	1.8	1.3	2.0	1.3	1.2	1.0
Cu	ppm			36.5	34.0	49.5	43.8	87.5	32.2	45.2	27.5	34.0	29.0
Hg	ppm			0.1	0.2	0.3	0.3	0.4	0.2	0.5	0.3	0.2	0.1
Mo	ppm			4.0	2.0	4.1	3.7	3.7	2.8	2.8	1.7	2.4	1.4
Pb	ppm			10.0	14.0	20.4	17.9	13.0	15.6	16.5	13.3	15.4	10.9
Ni	ppm			30.8	38.0	51.0	48.0	45.0	39.5	49.9	33.0	41.5	49.7
Zn	ppm			108.3	166.0	179.5	192.8	222.0	150.4	191.6	137.5	171.2	161.8

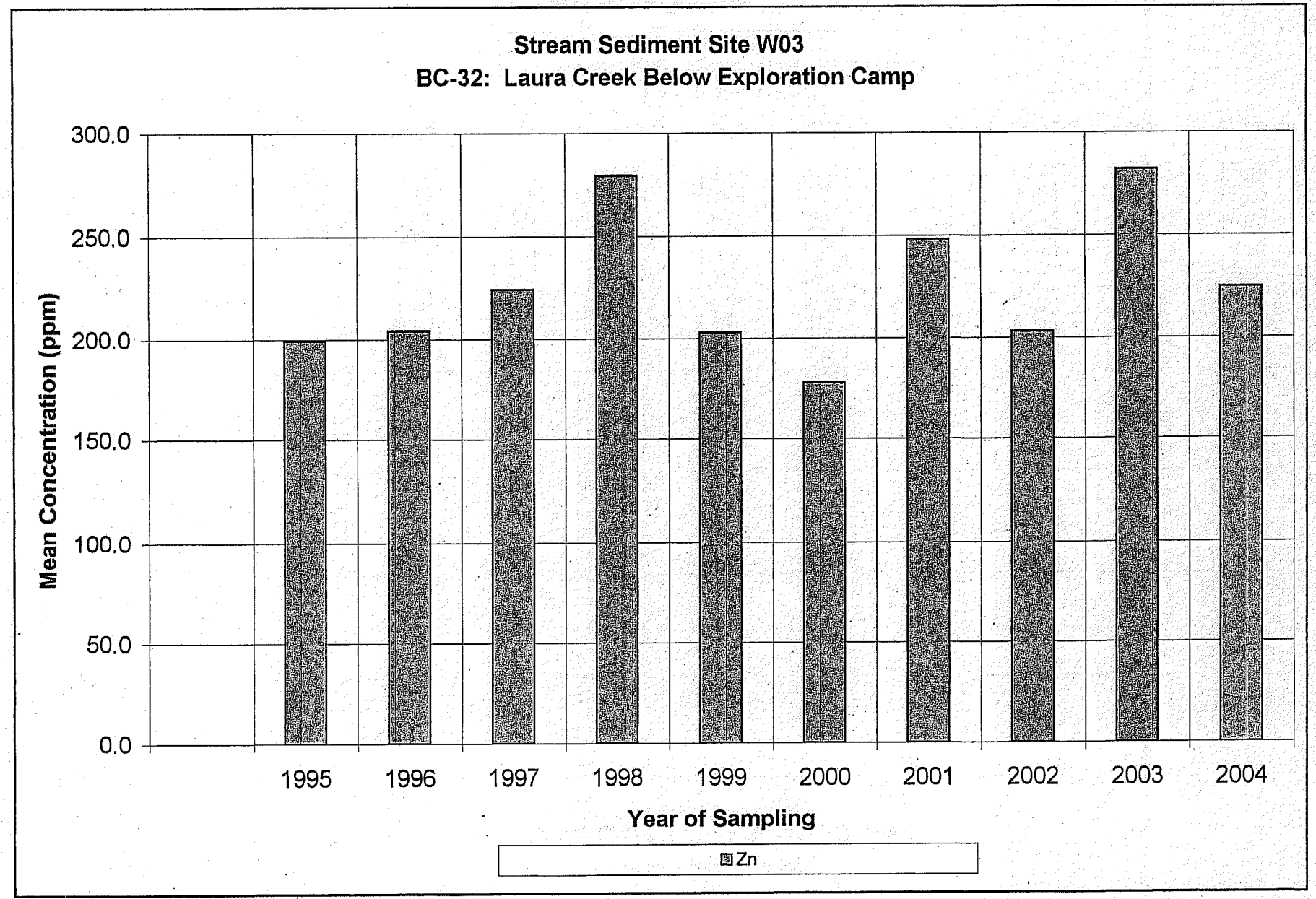
		Laura Creek and Carolyn Creek Monitoring Stations										
		W39 BC-39										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm												62.8
Sb	ppm												11.1
Cd	ppm												1.2
Cu	ppm												29.2
Hg	ppm												0.3
Mo	ppm												2.5
Pb	ppm												14.6
Ni	ppm												41.2
Zn	ppm												175.2

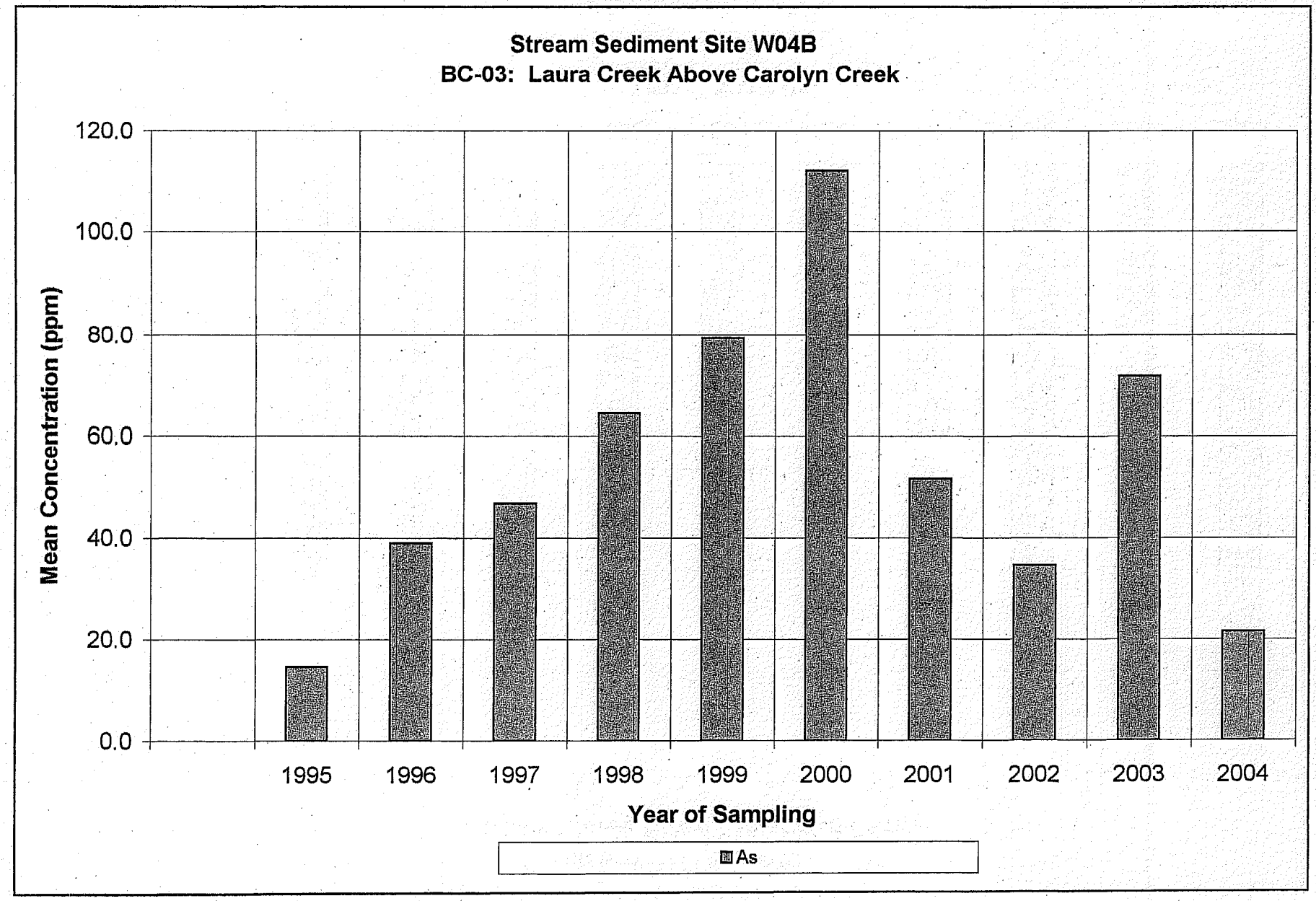
		Laura Creek and Carolyn Creek Monitoring Stations										
		W53 BC-53										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm											77.4	69.9
Sb	ppm											11.7	15.8
Cd	ppm											2.0	1.1
Cu	ppm											47.6	25.6
Hg	ppm											0.3	0.3
Mo	ppm											2.4	1.7
Pb	ppm											16.1	10.7
Ni	ppm											52.1	39.9
Zn	ppm											185.5	138.8

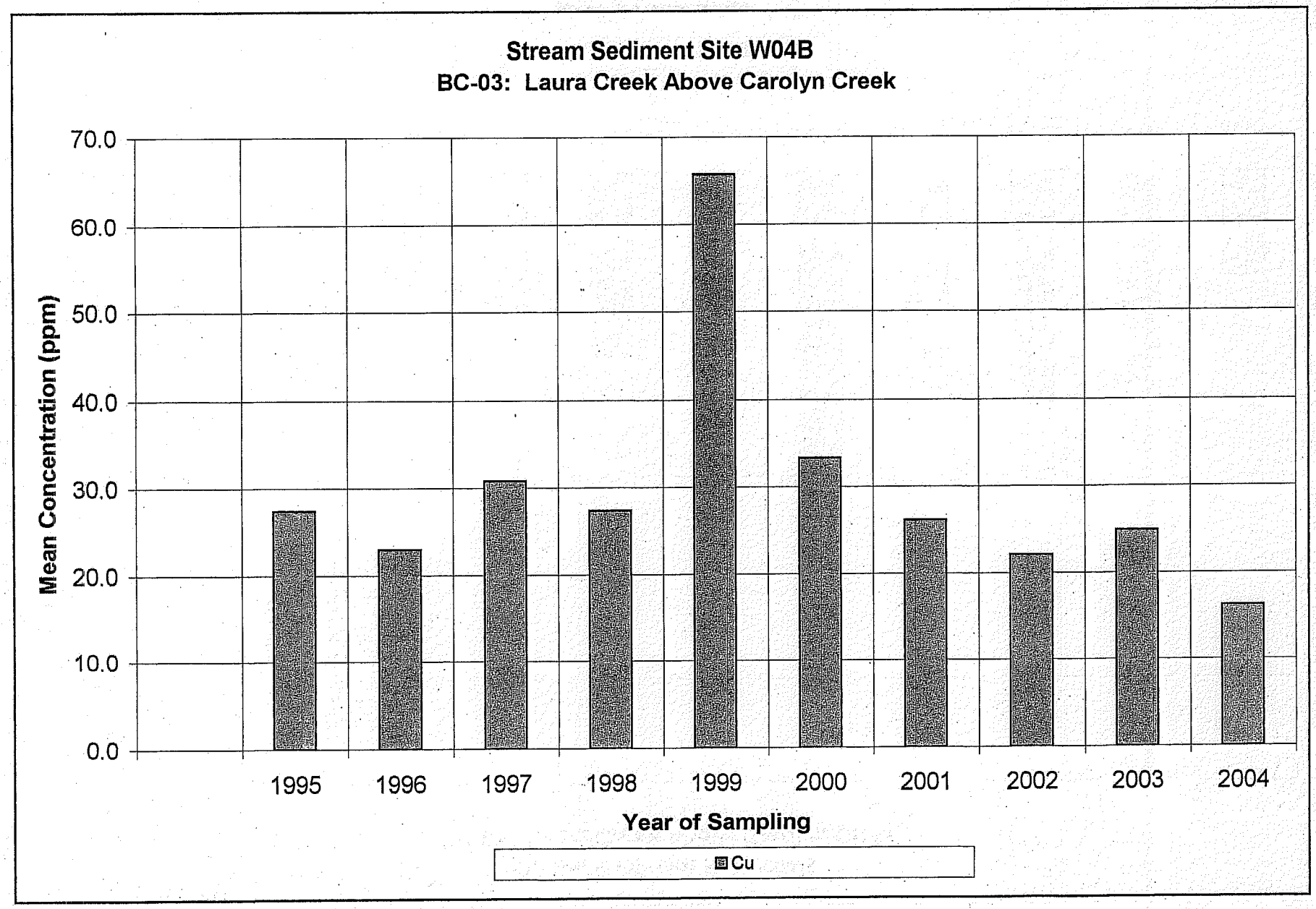

Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp
Mean Concentration (ppm)
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As

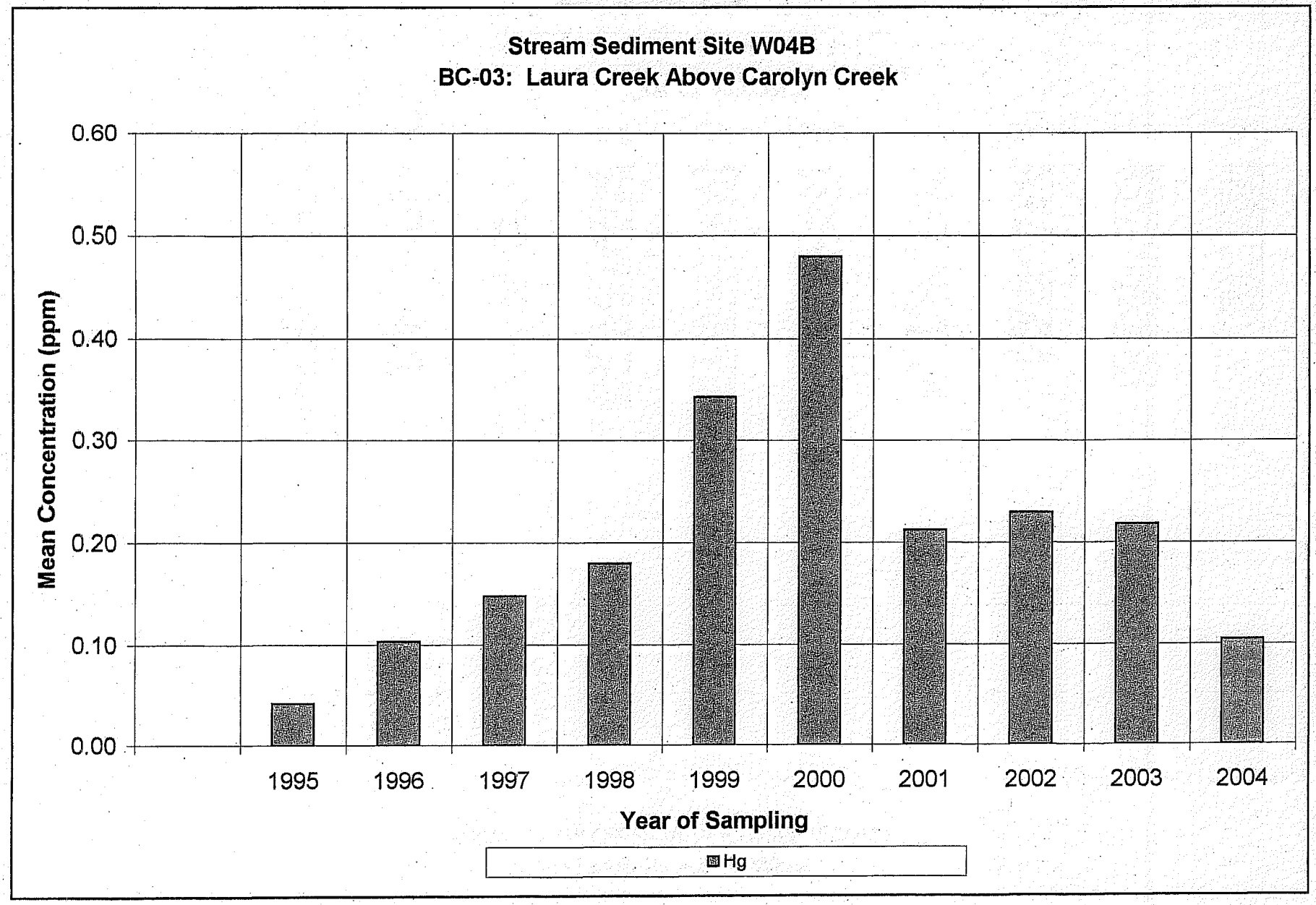

Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp
Mean Concentration (ppm)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu

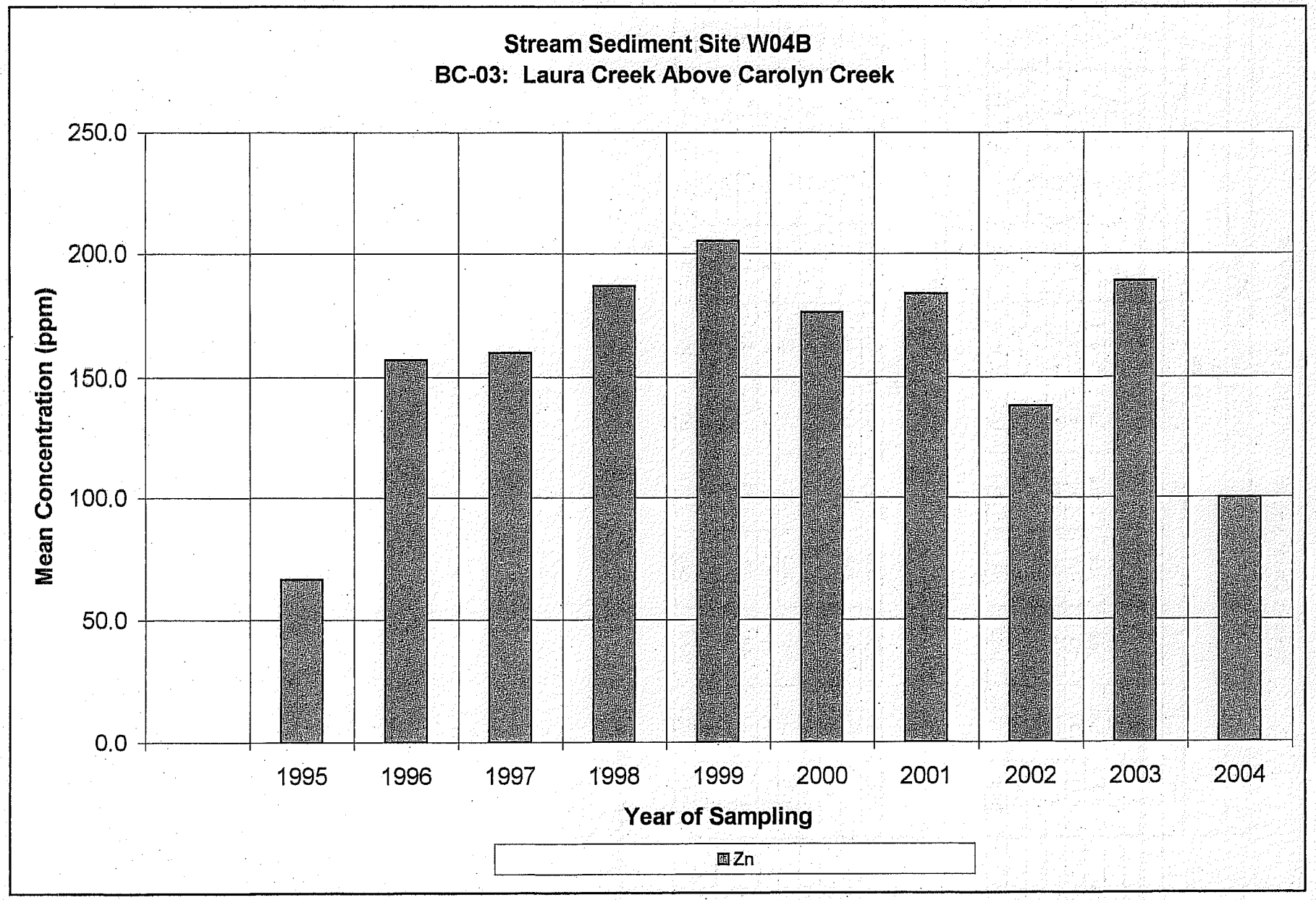

Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp
Mean Concentration (ppm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg


Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp
Mean Concentration (ppm)
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn


Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek
Mean Concentration (ppm)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As


Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek
Mean Concentration (ppm)
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu


Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek
Mean Concentration (ppm)
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg

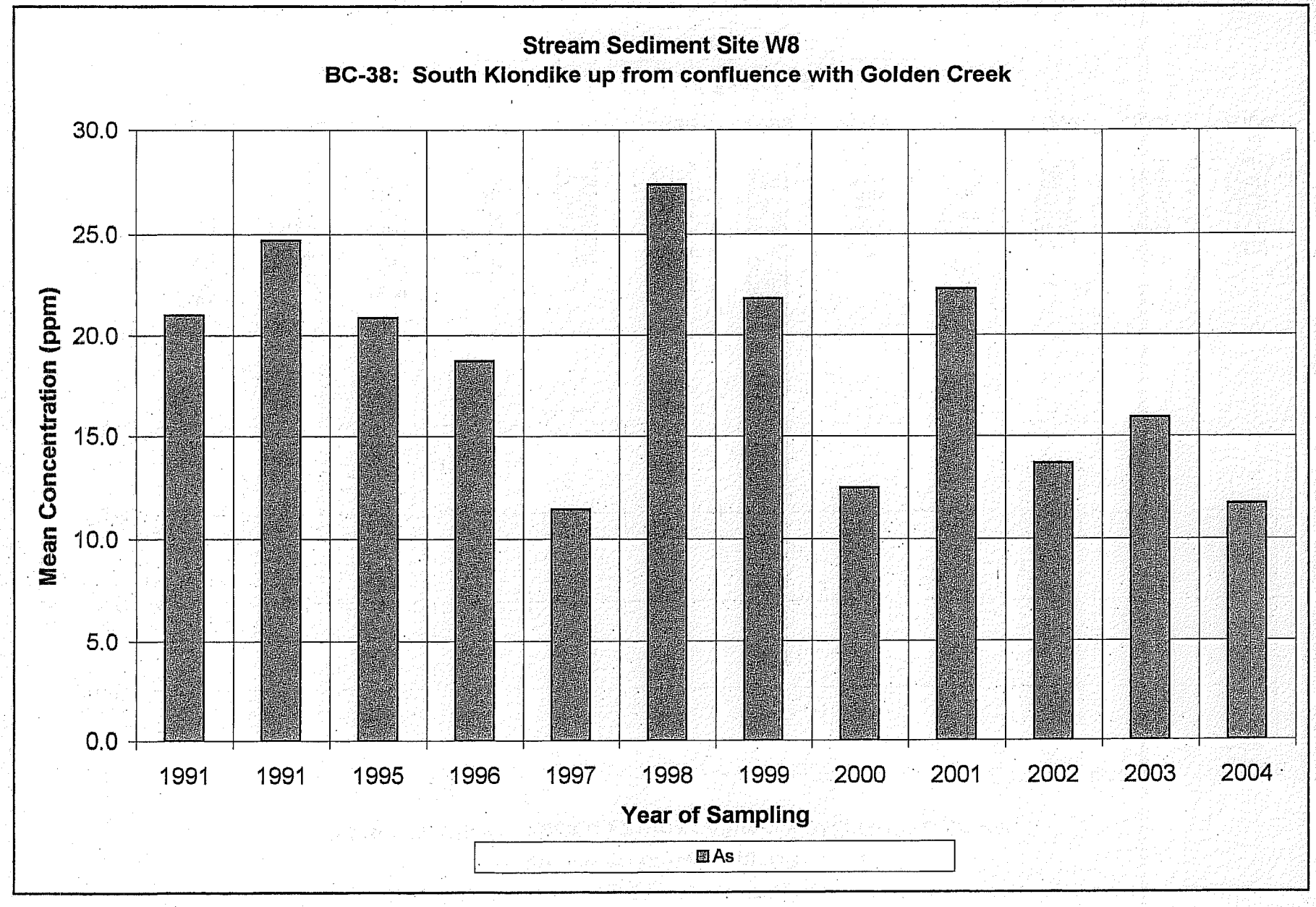

Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek
Mean Concentration (ppm)
250.0
200.0
150.0
100.0
50.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

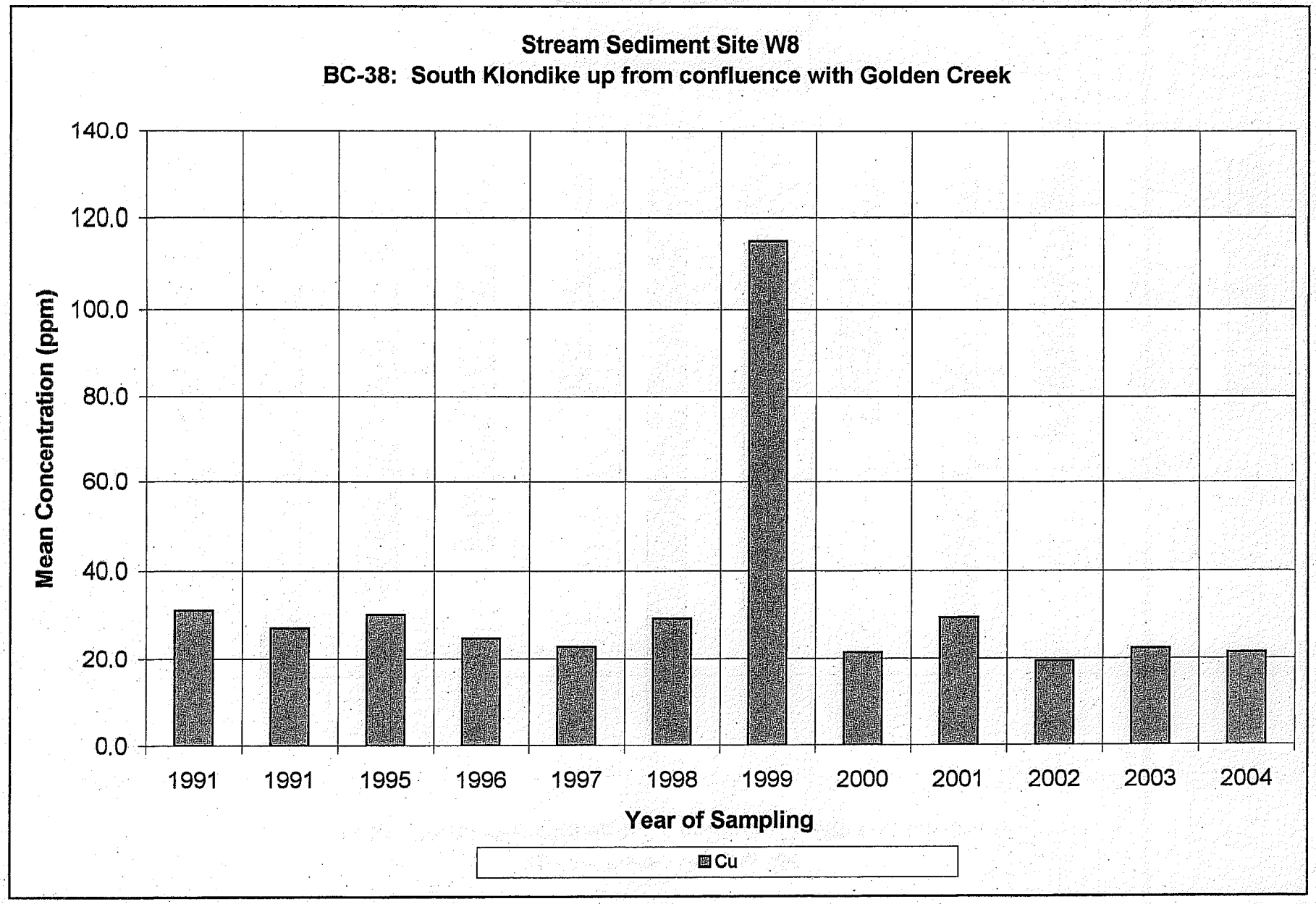
Stream Sediment Analysis: HISTORICAL COMPARISON

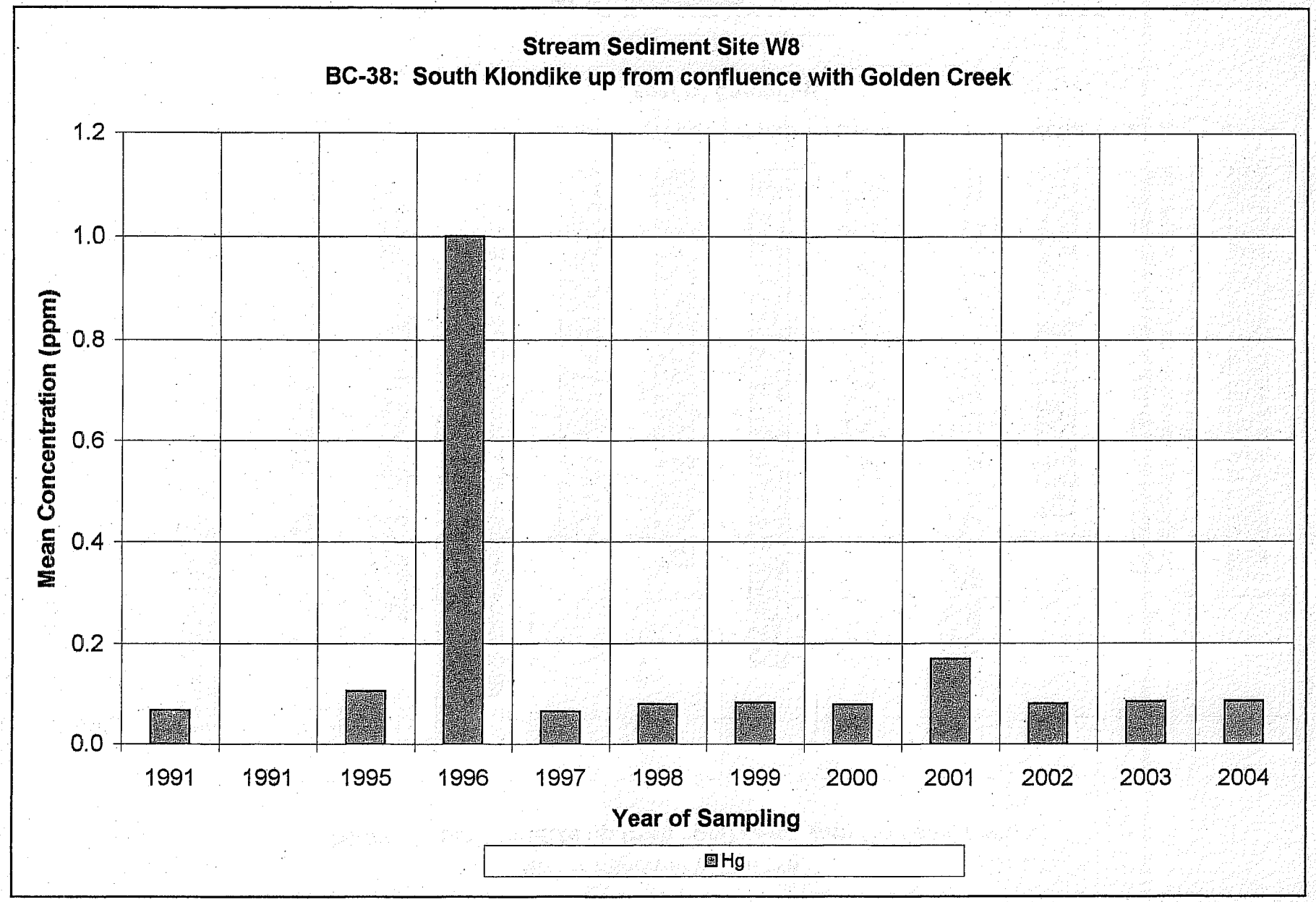
		Klondike River Monitoring Stations											
		W8 BC-38											
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm	21.0	24.7	20.9	18.8	11.5	27.4	21.8	12.5	22.3	13.6	15.9	11.7
Sb	ppm	2.0	8.0	1.8	2.0	1.9	2.1	2.0	1.0	1.3	1.1	0.8	0.9
Cd	ppm	13.0	0.9	2.0	0.4	0.4	0.9	0.6	0.6	0.7	0.5	0.5	0.7
Cu	ppm	31.0	27.0	30.0	24.8	22.8	29.1	115.1	21.3	29.3	19.3	22.4	21.3
Hg	ppm	0.1	0.0	0.1	1.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Mo	ppm	2.0	6.0	4.0	1.0	2.2	3.8	2.1	1.4	1.7	1.3	1.5	1.3
Pb	ppm	12.0	9.0	10.0	10.8	12.6	15.9	13.0	9.1	12.3	10.3	12.9	9.2
Ni	ppm	39.0	31.0	31.1	33.8	28.0	34.0	33.0	27.1	35.4	24.0	30.1	34.4
Zn	ppm	184.0	125.3	145.3	171.3	124.1	129.4	163.0	101.5	158.6	113.6	131.5	133.3

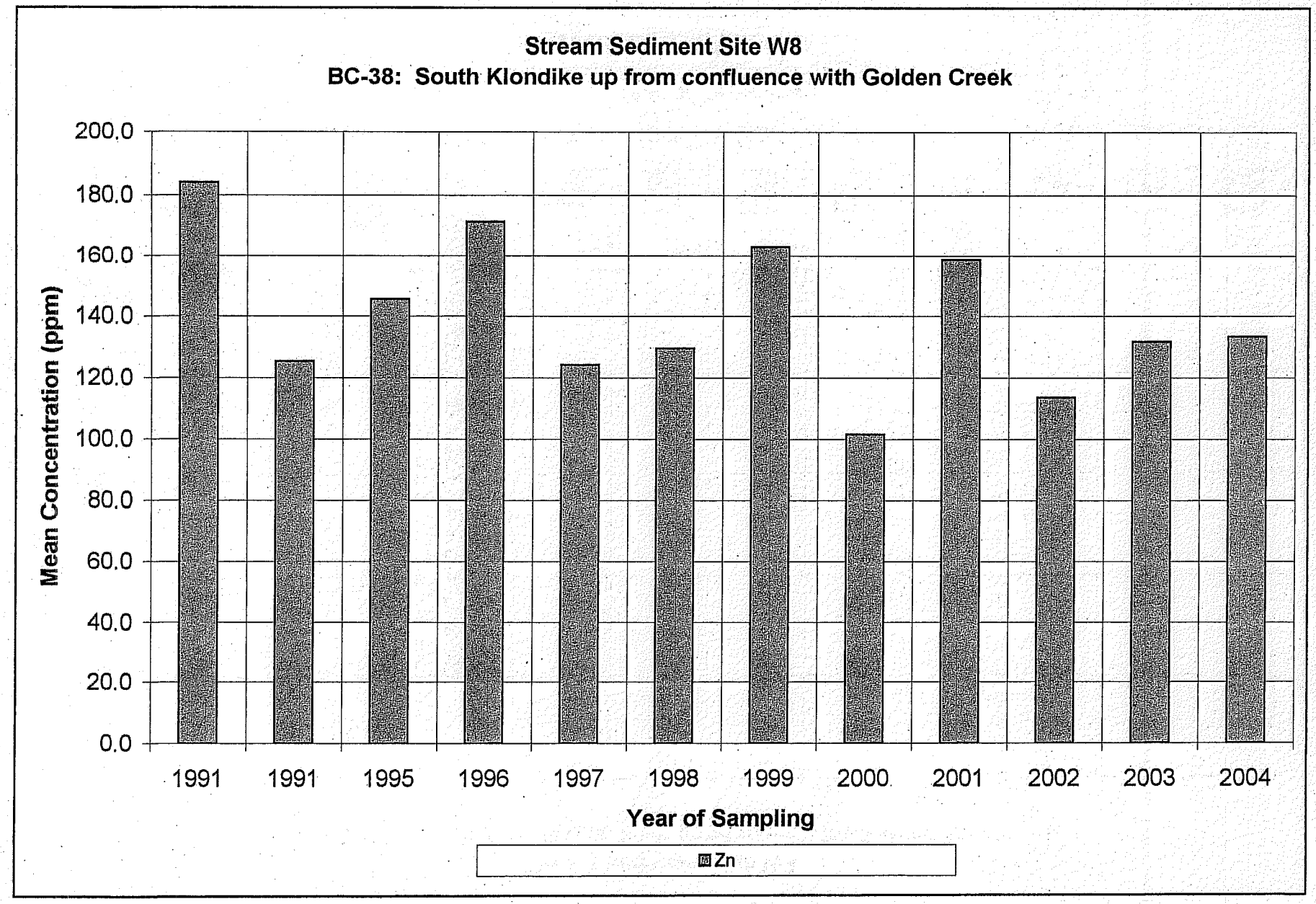
		Klondike River Monitoring Stations											
		W9 BC-6											
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm	21.0	16.0	20.4	18.8	14.3	17.9	20.9	18.0	18.6	16.9	19.5	19.0
Sb	ppm	2.0	8.0	1.9	2.0	0.9	2.5	2.0	1.9	1.5	1.1	1.2	1.3
Cd	ppm	1.0	0.8	2.0	1.0	0.9	1.3	0.7	0.6	0.7	0.6	0.7	0.9
Cu	ppm	33.0	35.2	74.7	30.3	32.1	34.8	52.7	24.1	30.0	23.0	26.3	27.7
Hg	ppm	0.1	0.0	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Mo	ppm	1.0	6.3	4.0	2.0	2.7	3.0	1.9	1.9	2.3	1.8	1.8	2.2
Pb	ppm	11.0	10.3	11.7	10.5	13.9	11.9	7.0	10.8	10.8	10.0	10.3	10.2
Ni	ppm	38.0	43.3	38.4	41.5	34.0	44.0	33.0	29.3	38.5	29.6	34.9	41.1
Zn	ppm	165.0	202.7	203.0	224.8	162.1	217.3	163.0	120.9	182.6	136.7	168.9	171.5

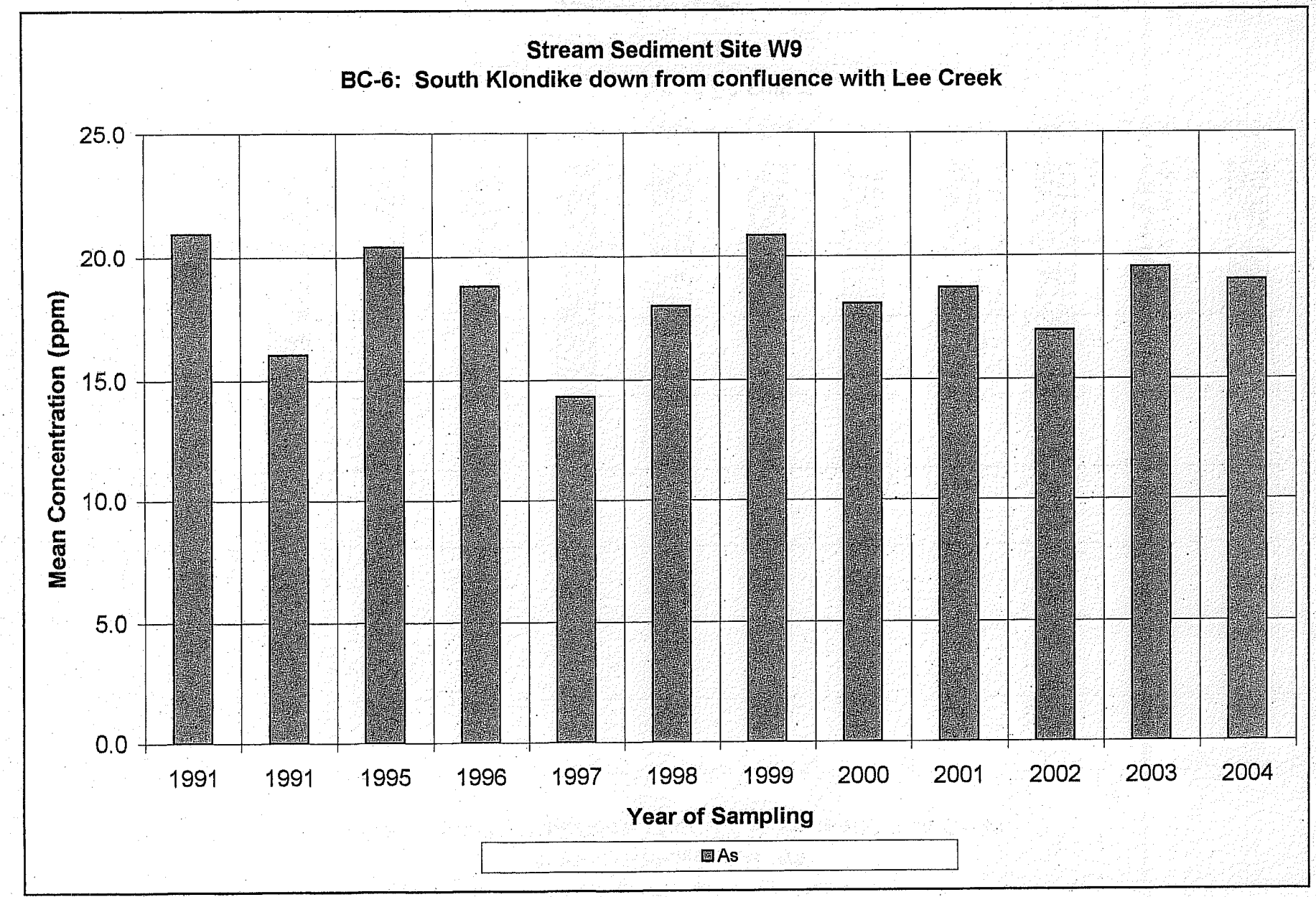
* *all values represent mean of replicate samples*

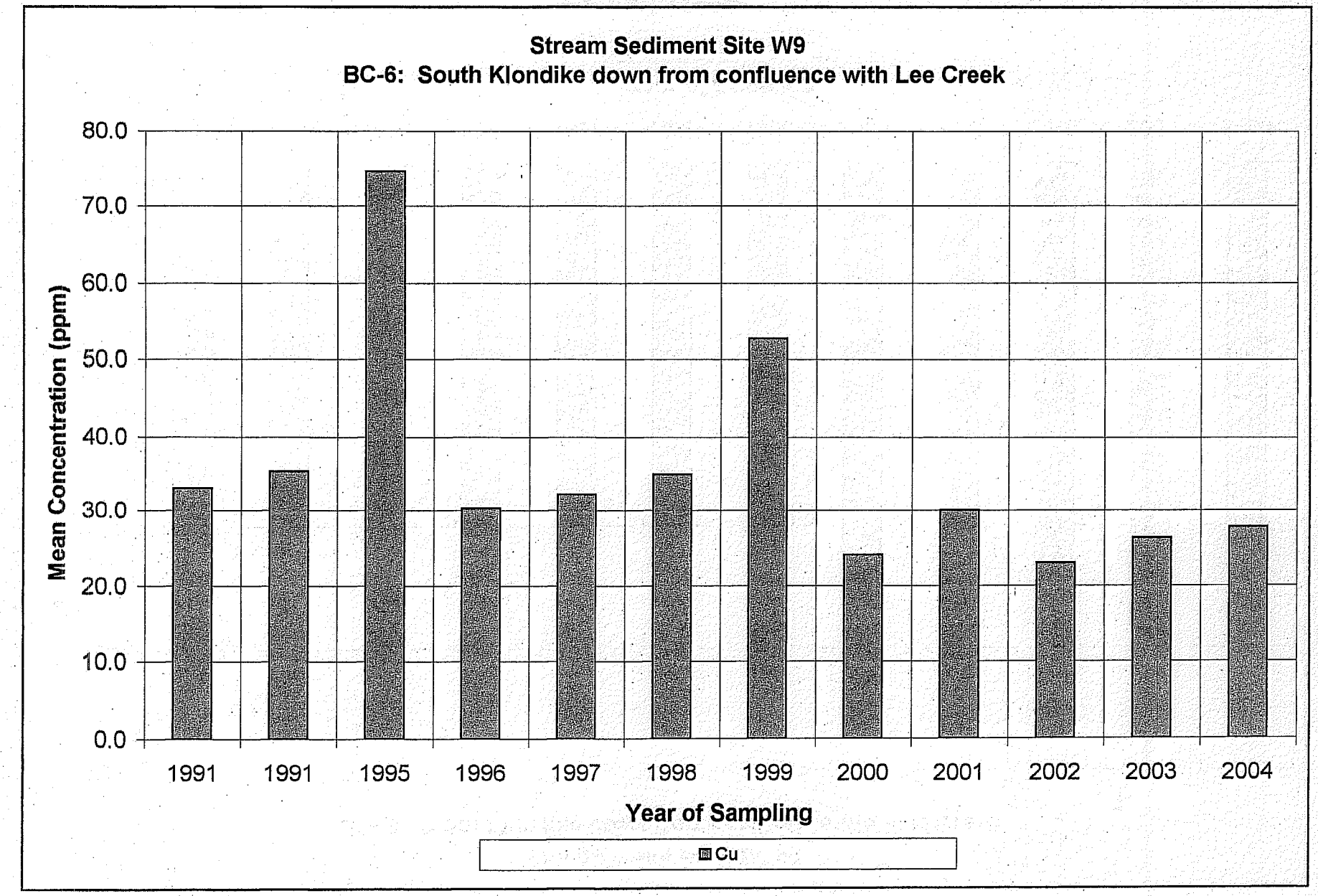

Stream Sediment Site W8
BC-38: South Klondike up from confluence with Golden Creek
Mean Concentration (ppm)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As

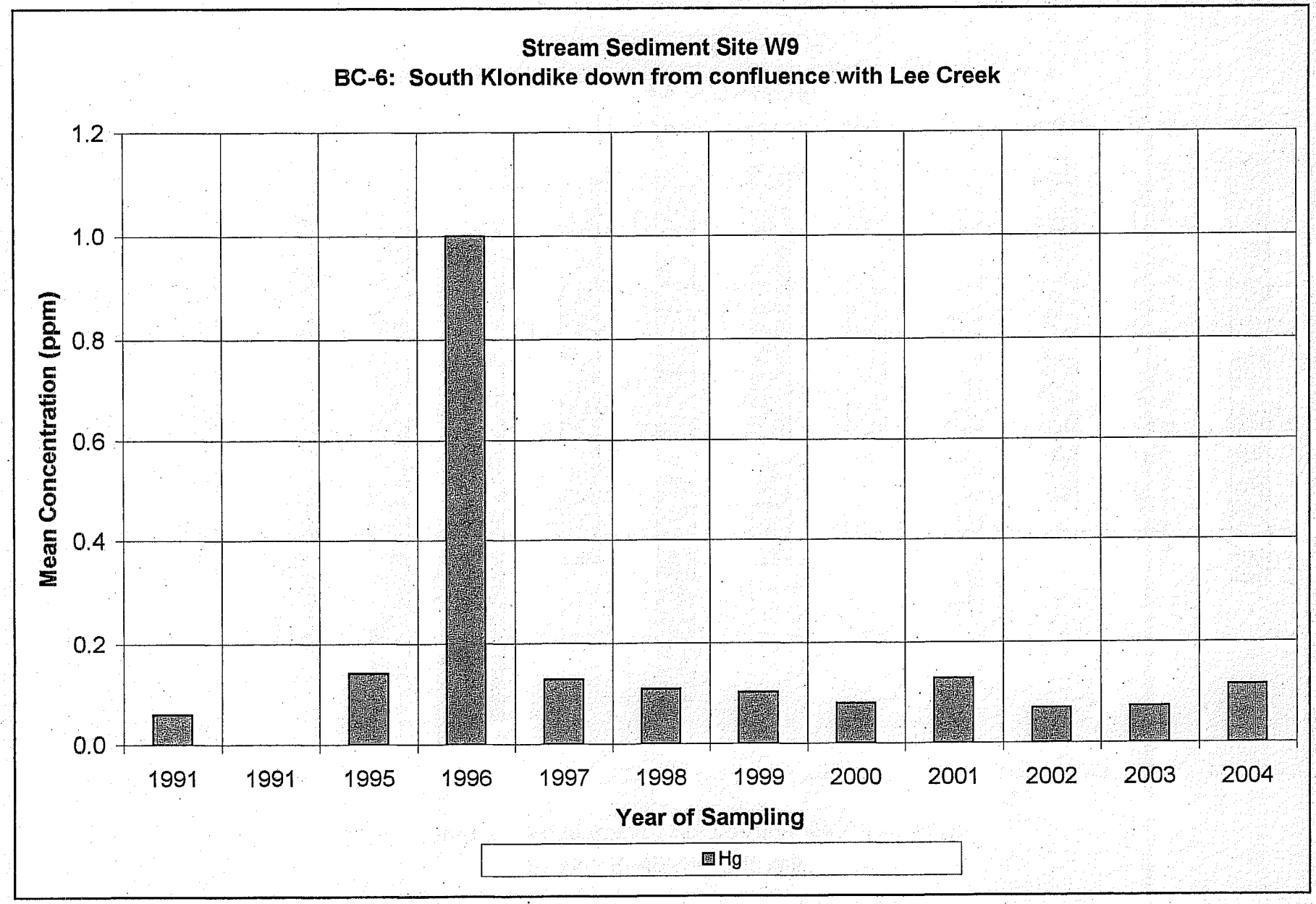

Stream Sediment Site W8
BC-38: South Klondike up from confluence with Golden Creek
Mean Concentration (ppm)
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu

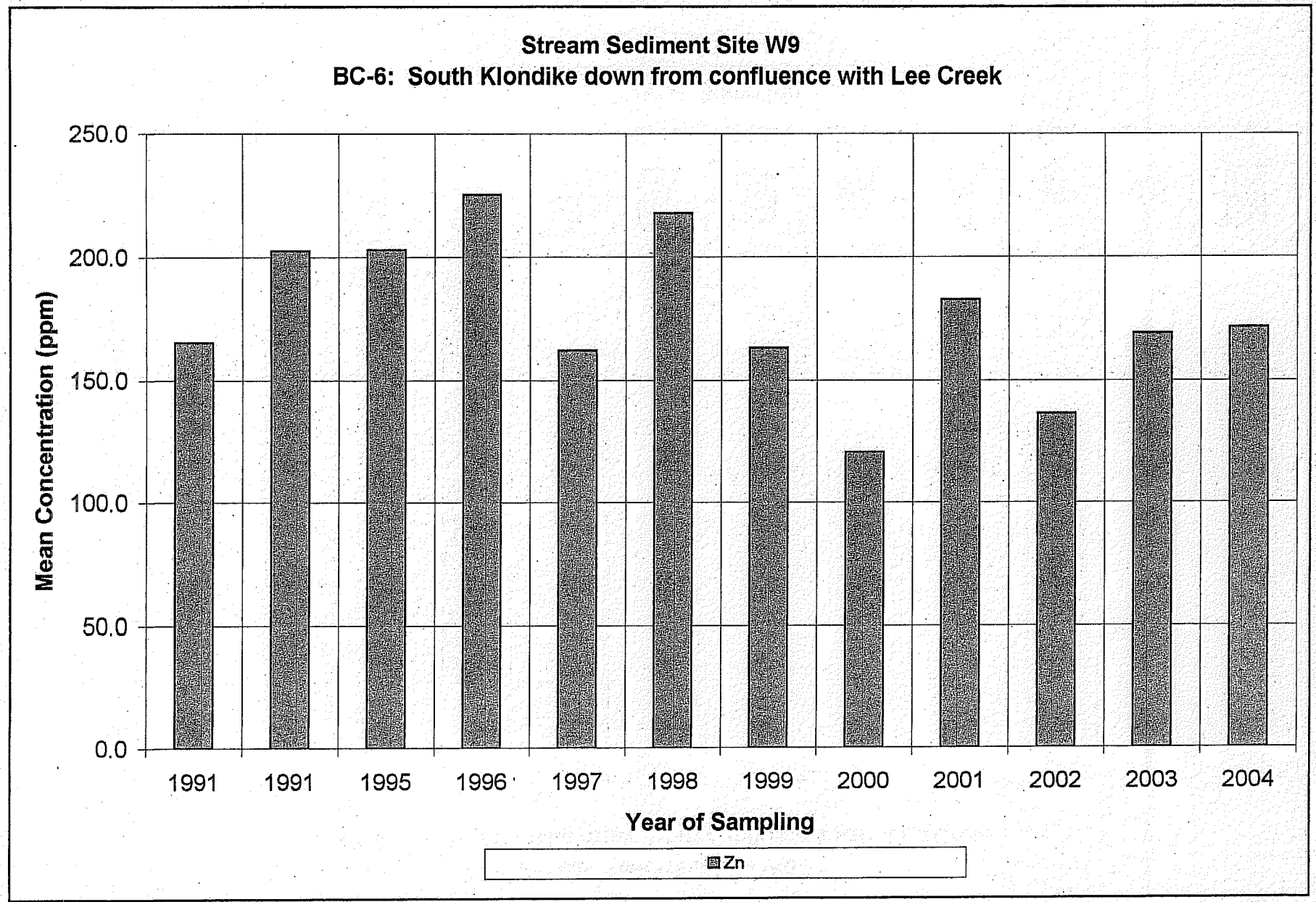

Stream Sediment Site W8
BC-38: South Klondike up from confluence with Golden Creek
Mean Concentration (ppm)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg


Stream Sediment Site W8
BC-38: South Klondike up from confluence with Golden Creek
Mean Concentration (ppm)
200.0
180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn


Stream Sediment Site W9
BC-6: South Klondike down from confluence with Lee Creek
Mean Concentration (ppm)
25.0
20.0
15.0
10.0
5.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As


Stream Sediment Site W9
BC-6: South Klondike down from confluence with Lee Creek
Mean Concentration (ppm)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu


Stream Sediment Site W9
BC-6: South Klondike down from confluence with Lee Creek
Mean Concentration (ppm)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg


Stream Sediment Site W9
BC-6: South Klondike down from confluence with Lee Creek
Mean Concentration (ppm)
250.0
200.0
150.0
100.0
50.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

Stream Sediment Analysis: HISTORICAL COMPARISON

		Laura Creek and Carolyn Creek Monitoring Stations										
		W03 BC-32										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			108.6	47.0	61.9	104.5	263.0	103.5	100.8	79.1	128.0	216.4
Sb	ppm			94.2	43.0	61.9	83.8	162.6	47.8	61.6	41.7	31.4	59.9
Cd	ppm			2.0	1.3	1.6	2.6	1.1	2.0	2.3	1.8	2.5	2.0
Cu	ppm			32.3	23.0	31.4	32.3	51.6	35.1	36.2	27.5	36.5	34.7
Hg	ppm			0.4	0.3	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.4
Mo	ppm			4.0	3.0	4.5	6.1	9.1	5.3	5.3	4.2	5.2	6.7
Pb	ppm			15.0	12.0	21.3	22.1	19.0	17.6	21.9	16.6	22.9	16.6
Ni	ppm			33.3	34.0	42.0	45.0	48.0	35.6	45.2	34.5	48.4	55.8
Zn	ppm			199.0	204.0	224.1	278.4	203.0	177.9	248.1	202.8	281.0	224.7

		Laura Creek and Carolyn Creek Monitoring Stations										
		W04B BC-3										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			14.5	39.0	46.8	64.4	79.3	112.1	51.6	34.7	71.8	21.5
Sb	ppm			4.3	17.0	25.1	30.5	30.5	321.3	19.9	13.1	12.8	9.4
Cd	ppm			2.0	0.6	1.0	1.1	1.1	1.7	1.0	1.0	1.1	0.5
Cu	ppm			27.4	23.0	30.8	27.3	65.7	33.3	26.1	22.0	24.9	16.3
Hg	ppm			0.0	0.1	0.1	0.2	0.3	0.5	0.2	0.2	0.2	0.1
Mo	ppm			4.0	1.0	3.0	2.9	3.3	3.3	2.0	1.8	2.1	1.3
Pb	ppm			11.0	10.0	27.1	20.1	22.0	25.8	14.0	11.6	13.8	8.4
Ni	ppm			24.5	34.0	39.0	43.0	40.0	43.3	42.5	32.0	43.7	29.6
Zn	ppm			66.8	157.0	159.7	187.0	205.0	176.5	183.9	138.3	189.1	99.9

		Laura Creek and Carolyn Creek Monitoring Stations										
		W15 BC-2										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			10.7	11.0	12.6	20.2	16.0	16.4	14.2	12.0	19.6	8.0
Sb	ppm			1.6	2.0	3.8	4.0	3.8	2.9	2.7	2.2	2.8	1.5
Cd	ppm			2.0	0.2	0.6	1.1	0.7	0.7	0.5	0.6	0.7	0.3
Cu	ppm			17.9	21.0	35.7	47.3	43.6	32.6	27.0	25.1	31.3	14.4
Hg	ppm			0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Mo	ppm			4.0	1.0	1.8	1.8	0.9	0.9	0.8	0.7	1.0	0.5
Pb	ppm			10.0	7.0	22.2	20.2	8.0	14.8	13.1	11.9	15.5	8.7
Ni	ppm			18.2	22.0	28.0	36.0	24.0	24.9	27.6	21.8	31.7	24.2
Zn	ppm			61.3	74.0	68.6	88.2	81.0	59.9	78.9	64.6	88.8	69.0

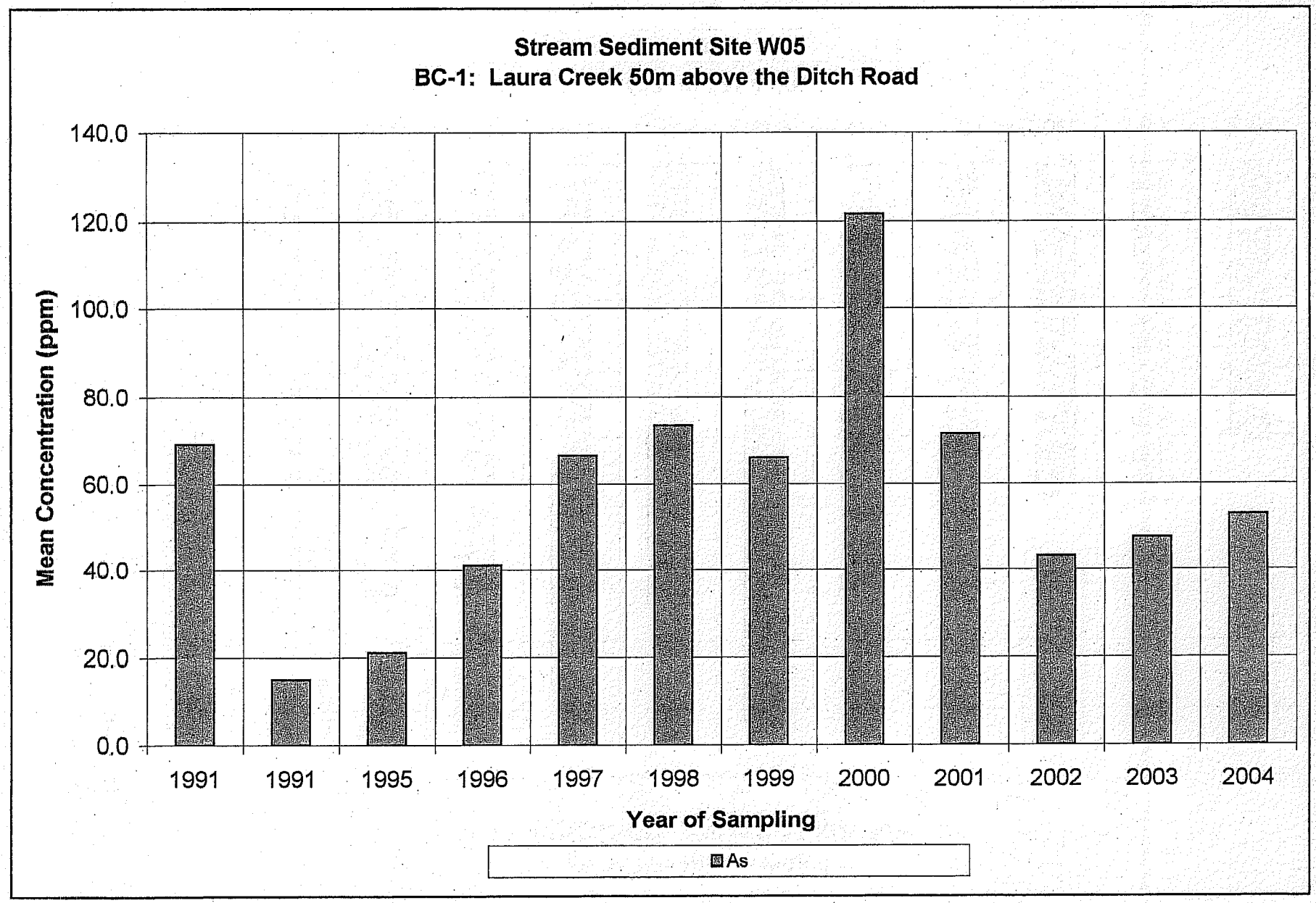
		Laura Creek and Carolyn Creek Monitoring Stations											
		W05 BC-1											
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm	69.0	15.3	21.1	41.0	66.4	73.4	65.8	121.6	71.4	43.1	47.5	52.7
Sb	ppm	16.0	9.3	7.2	21.0	31.3	34.8	24.9	31.9	21.1	10.8	6.5	13.8
Cd	ppm	3.1	1.1	2.0	1.1	1.6	2.0	1.2	1.7	1.2	1.1	0.8	0.8
Cu	ppm	41.0	32.8	31.5	31.0	38.4	32.3	40.9	31.2	26.8	24.3	24.8	20.3
Hg	ppm	0.1	0.0	0.1	0.1	0.2	0.3	0.3	0.5	0.3	0.2	0.1	0.2
Mo	ppm	2.0	4.3	4.0	3.0	4.6	3.8	3.0	4.0	3.0	1.8	2.1	1.6
Pb	ppm	16.0	16.0	10.0	14.0	28.3	19.0	18.0	26.8	15.4	11.2	12.3	9.9
Ni	ppm	59.0	38.3	27.6	43.0	43.0	47.0	38.0	44.8	41.5	31.2	35.7	34.4
Zn	ppm	215.0	168.3	88.0	189.0	174.6	185.3	175.0	176.0	175.6	124.6	141.8	120.8

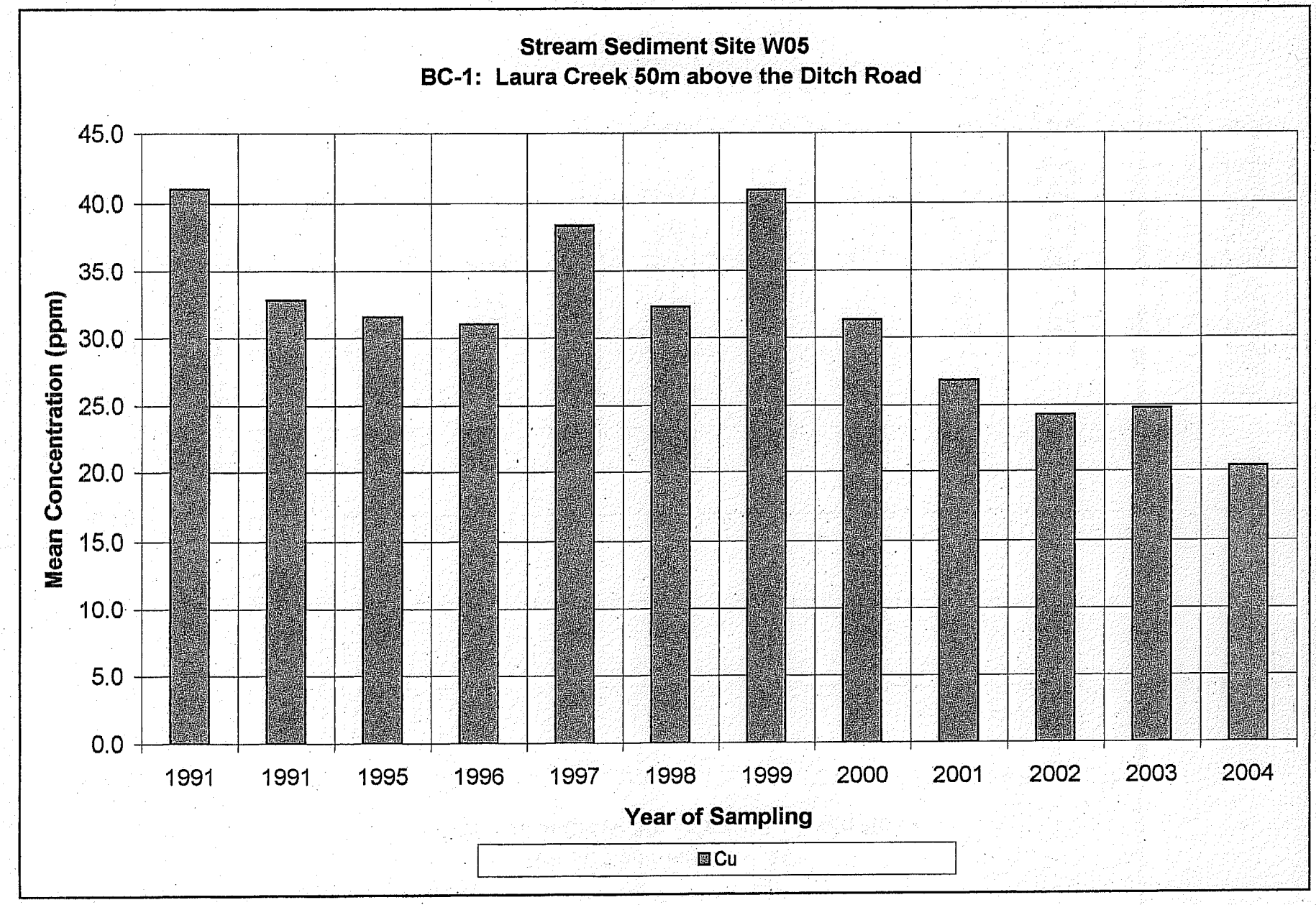
Stream Sediment Analysis: HISTORICAL COMPARISON

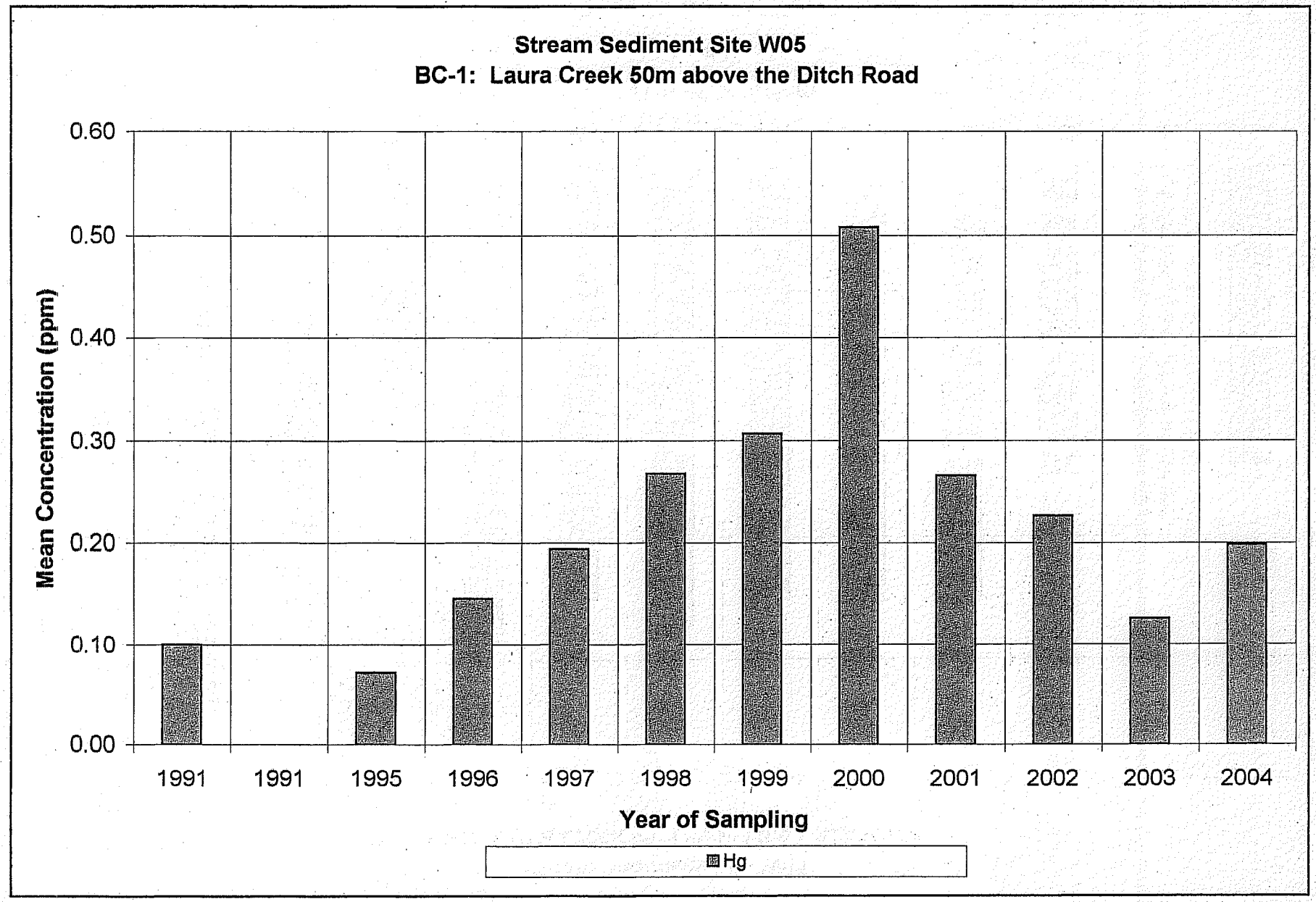
		Laura Creek and Carolyn Creek Monitoring Stations										
		W05A BC-37										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			28.1	46.0	77.4	70.1	80.9	70.9	99.3	41.8	61.8	39.5
Sb	ppm			12.1	19.0	36.0	30.4	32.0	19.7	24.1	11.0	9.7	7.2
Cd	ppm			2.0	0.6	1.7	1.7	1.8	1.3	2.0	1.3	1.2	1.0
Cu	ppm			36.5	34.0	49.5	43.8	87.5	32.2	45.2	27.5	34.0	29.0
Hg	ppm			0.1	0.2	0.3	0.3	0.4	0.2	0.5	0.3	0.2	0.1
Mo	ppm			4.0	2.0	4.1	3.7	3.7	2.8	2.8	1.7	2.4	1.4
Pb	ppm			10.0	14.0	20.4	17.9	13.0	15.6	16.5	13.3	15.4	10.9
Ni	ppm			30.8	38.0	51.0	48.0	45.0	39.5	49.9	33.0	41.5	49.7
Zn	ppm			108.3	166.0	179.5	192.8	222.0	150.4	191.6	137.5	171.2	161.8

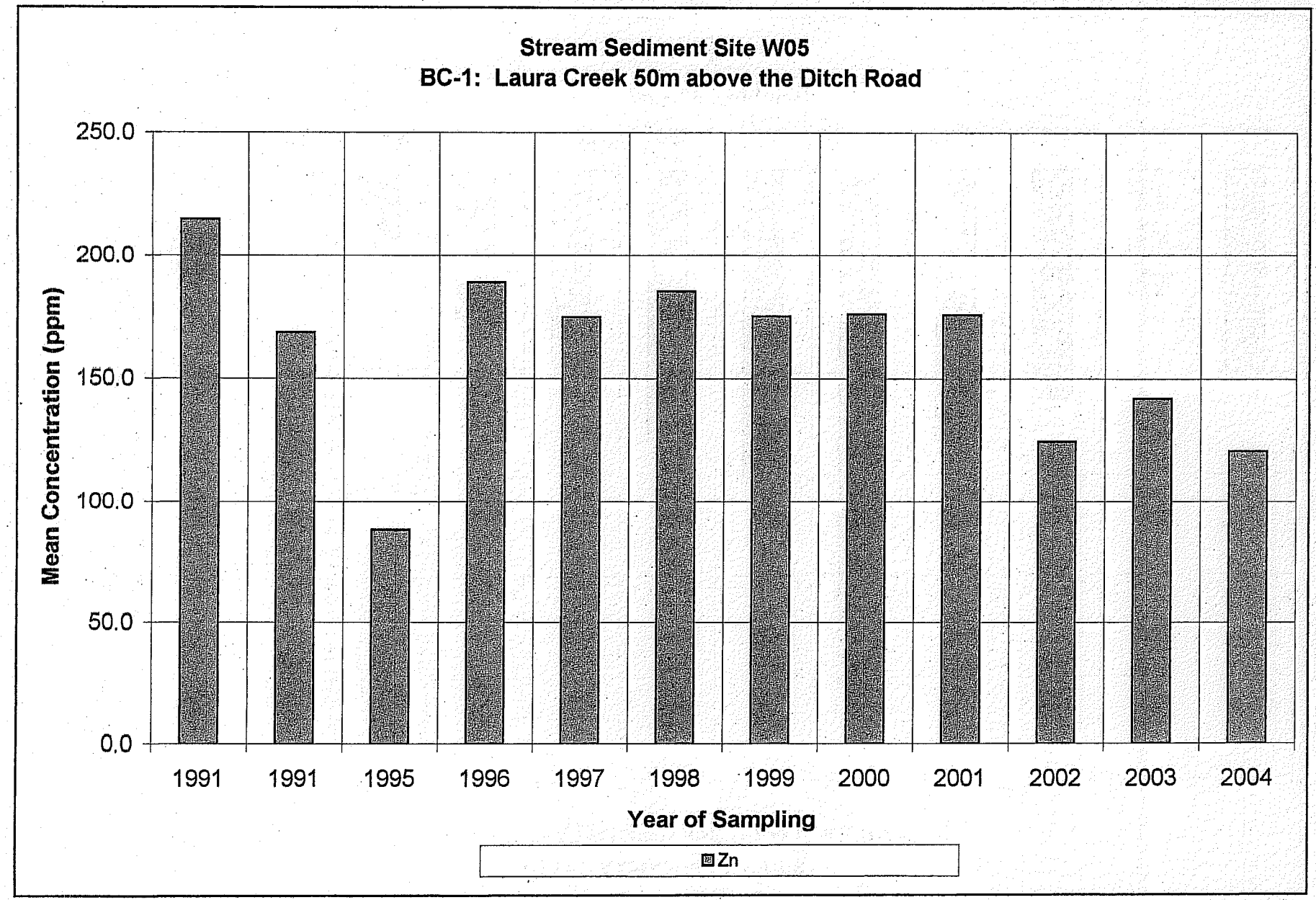
		Laura Creek and Carolyn Creek Monitoring Stations										
		W39 BC-39										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm												62.8
Sb	ppm												11.1
Cd	ppm												1.2
Cu	ppm												29.2
Hg	ppm												0.3
Mo	ppm												2.5
Pb	ppm												14.6
Ni	ppm												41.2
Zn	ppm												175.2

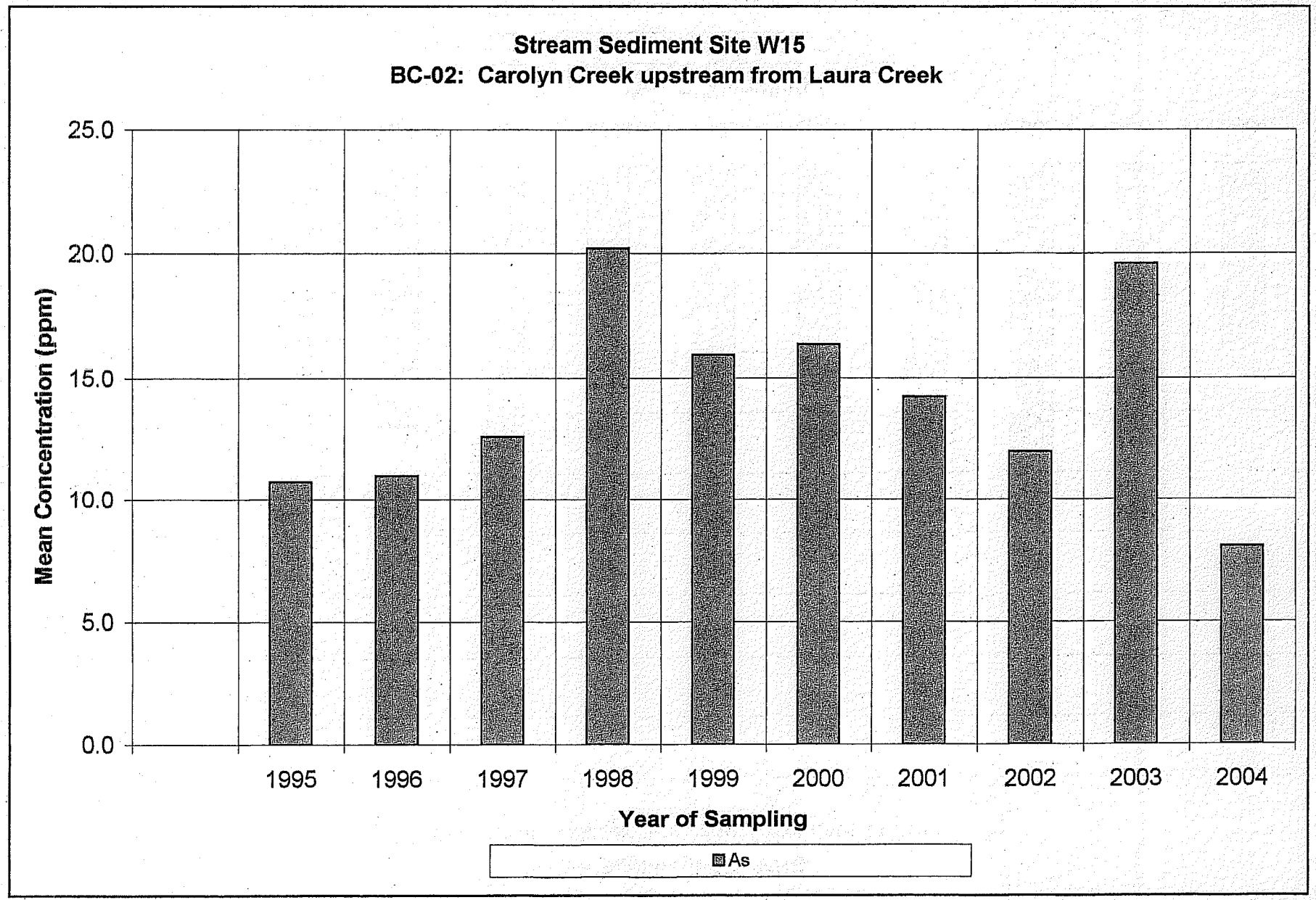
		Laura Creek and Carolyn Creek Monitoring Stations										
		W53 BC-53										
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm											77.4	69.9
Sb	ppm											11.7	15.8
Cd	ppm											2.0	1.1
Cu	ppm											47.6	25.6
Hg	ppm											0.3	0.3
Mo	ppm											2.4	1.7
Pb	ppm											16.1	10.7
Ni	ppm											52.1	39.9
Zn	ppm											185.5	138.8

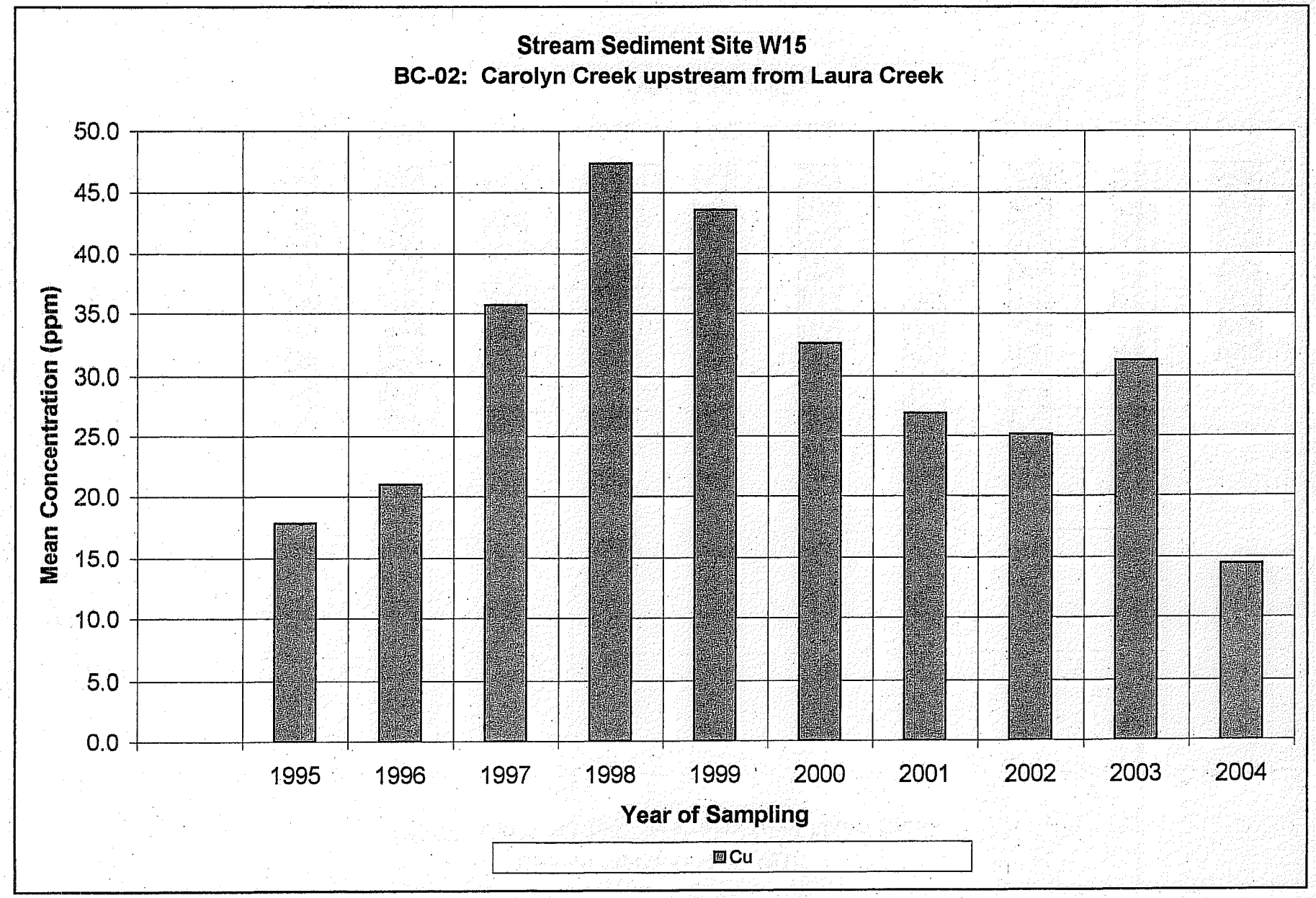

Stream Sediment Site W05
BC-1: Laura Creek 50m above the Ditch Road
Mean Concentration (ppm)
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As

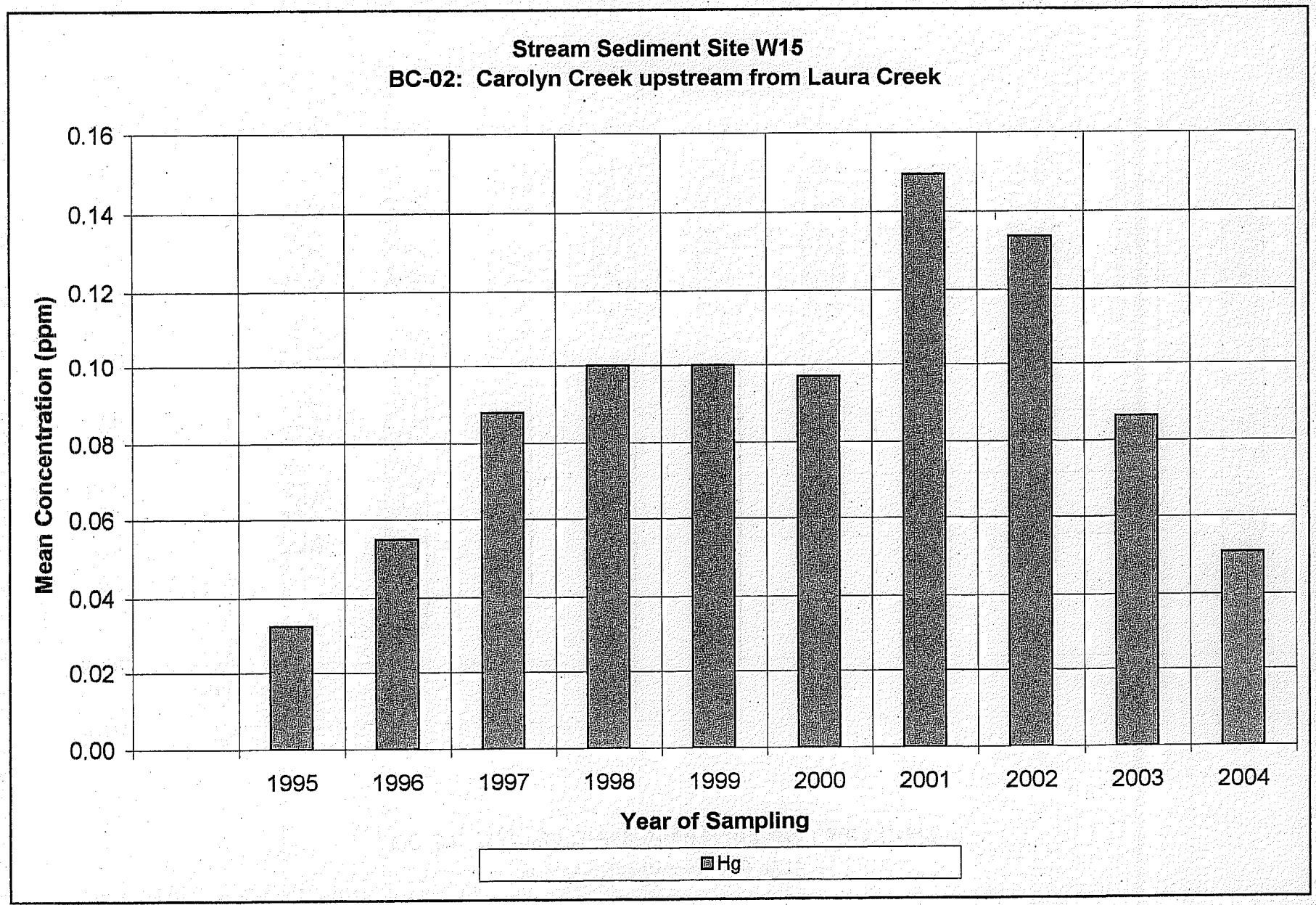

Stream Sediment Site W05
BC-1: Laura Creek 50m above the Ditch Road
Mean Concentration (ppm)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu

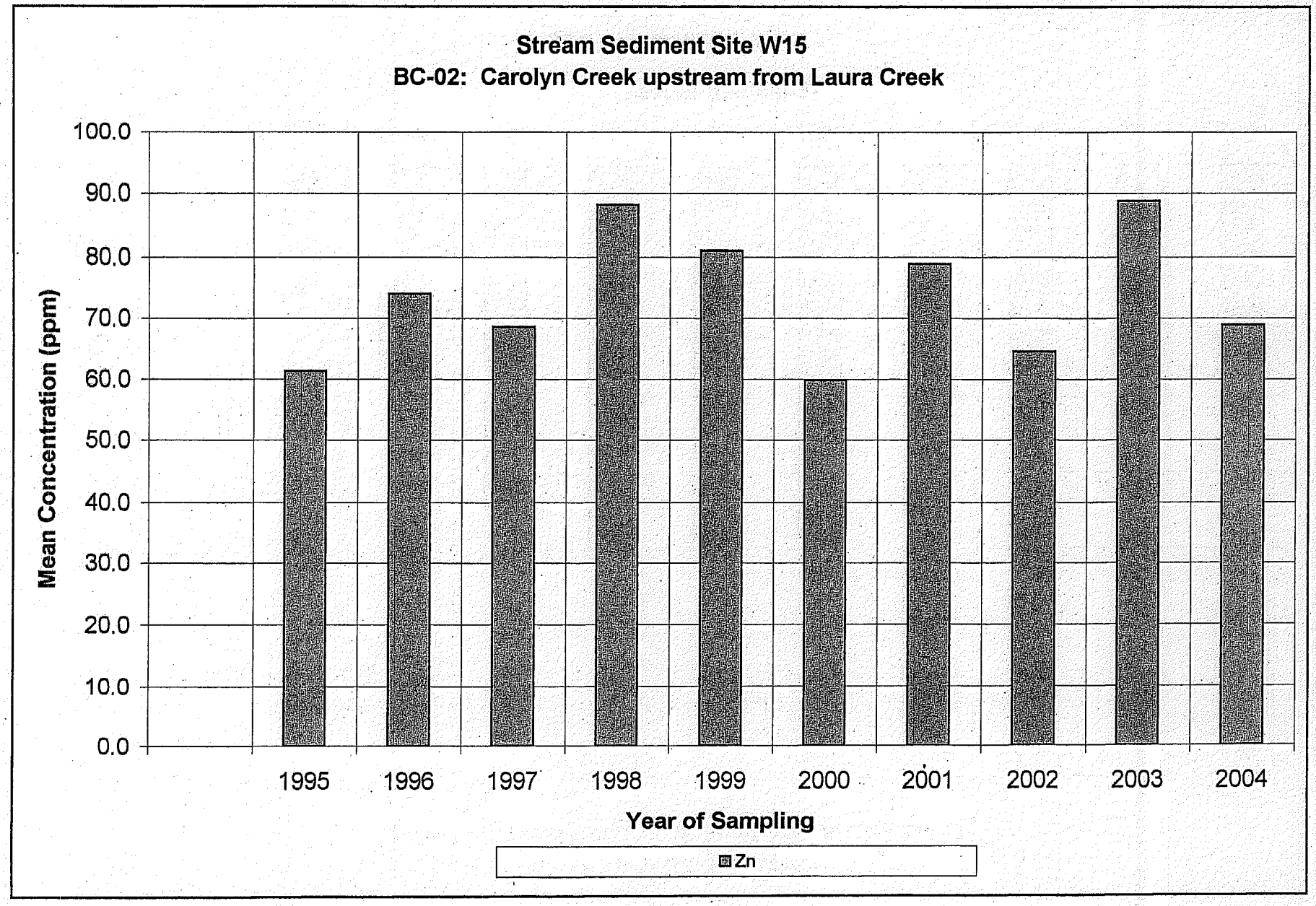

Stream Sediment Site W05
BC-1: Laura Creek 50m above the Ditch Road
Mean Concentration (ppm)
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg

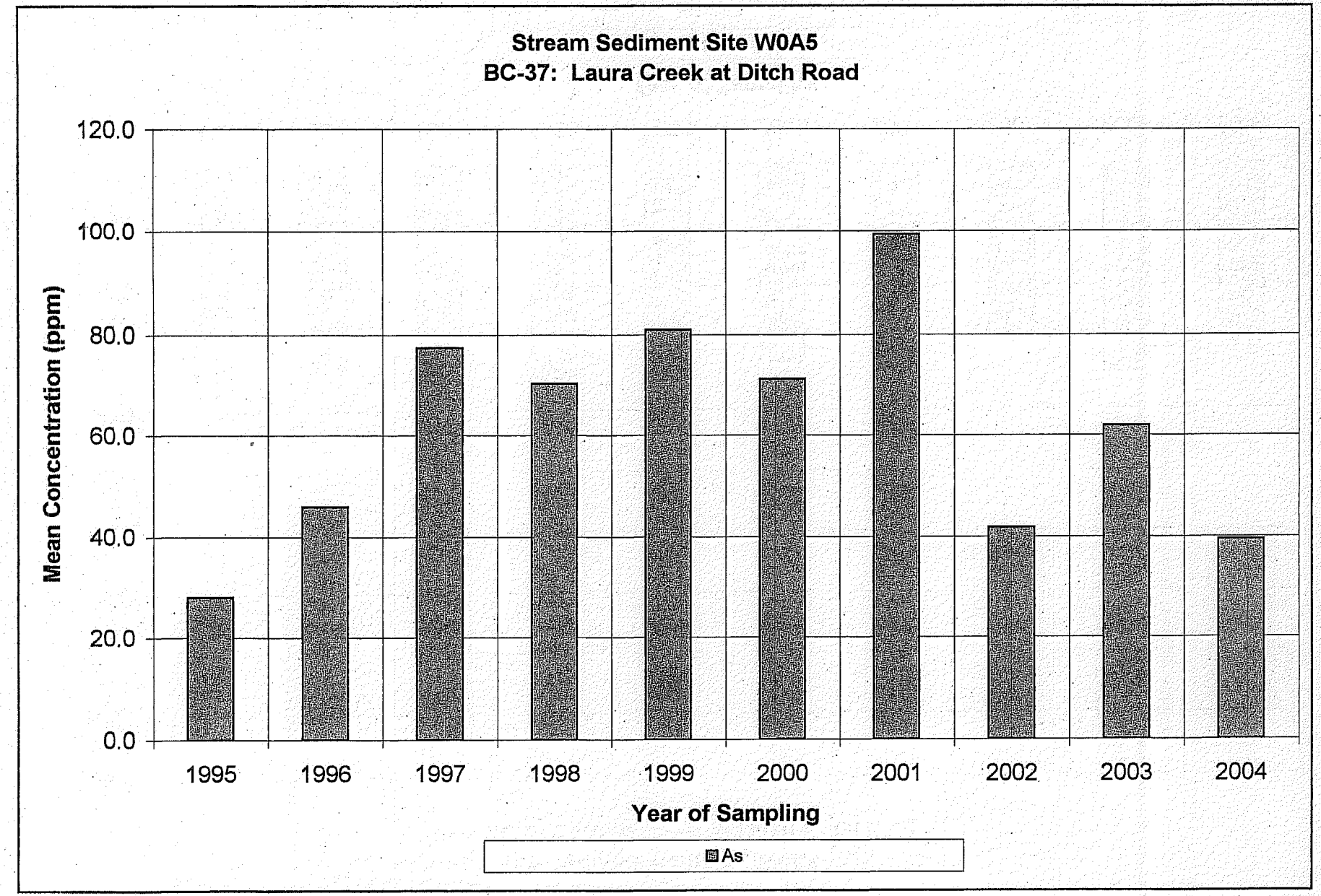

Stream Sediment Site W05
BC-1: Laura Creek 50m above the Ditch Road
Mean Concentration (ppm)
250.0
200.0
150.0
100.0
50.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

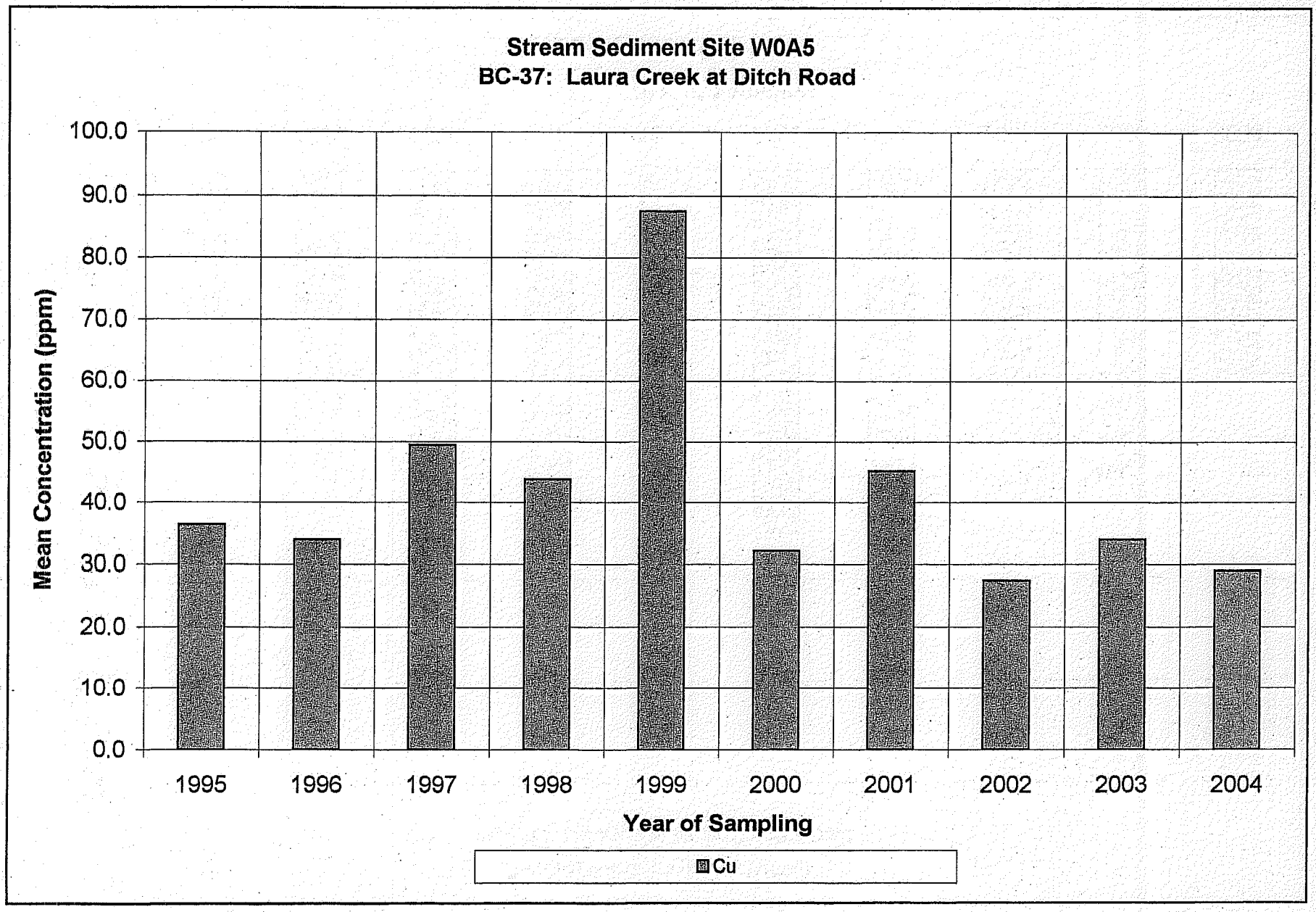

Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek
Mean Concentration (ppm)
25.0
20.0
15.0
10.0
5.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As

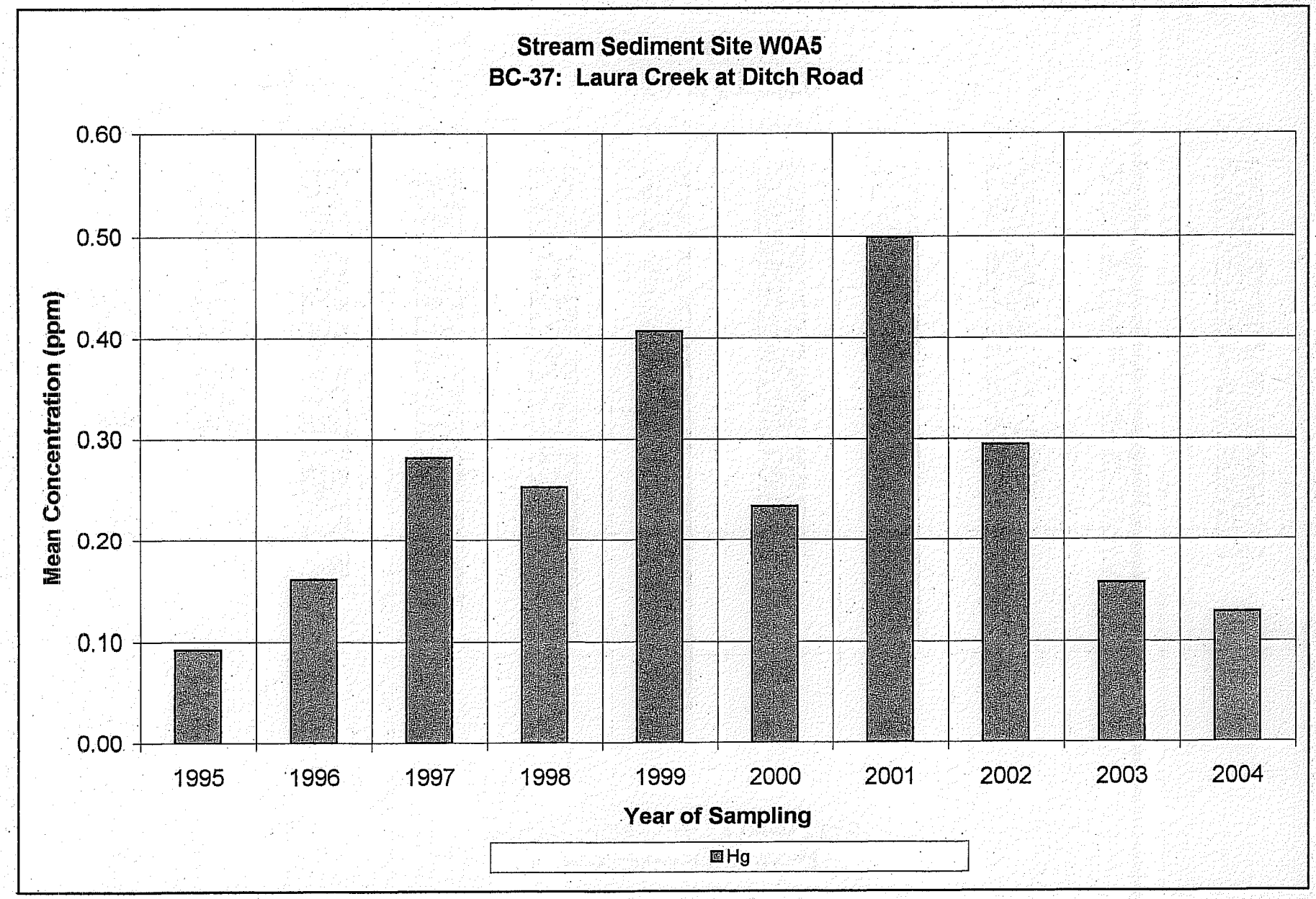

Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek
Mean Concentration (ppm)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu

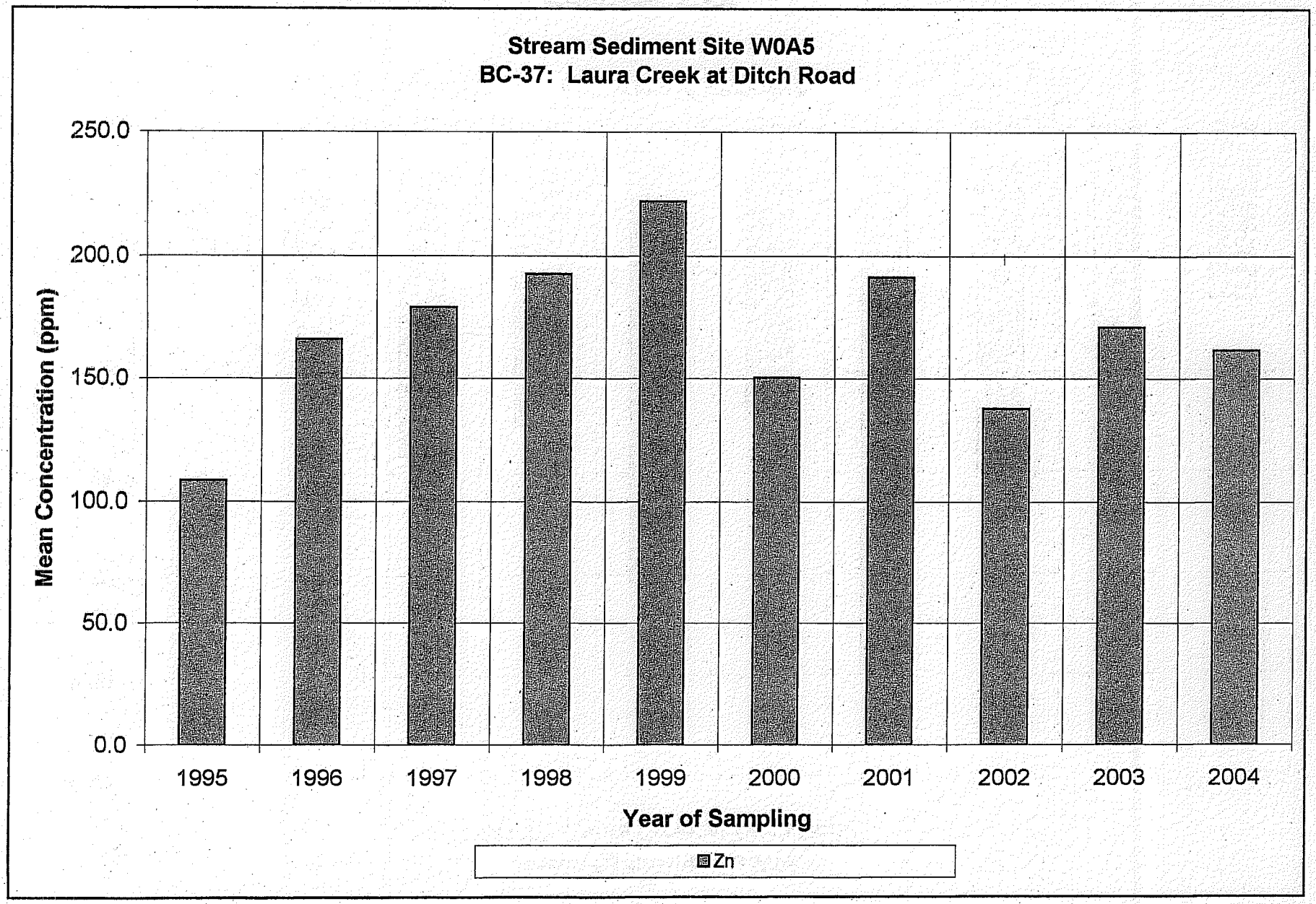

Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek
Mean Concentration (ppm)
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg

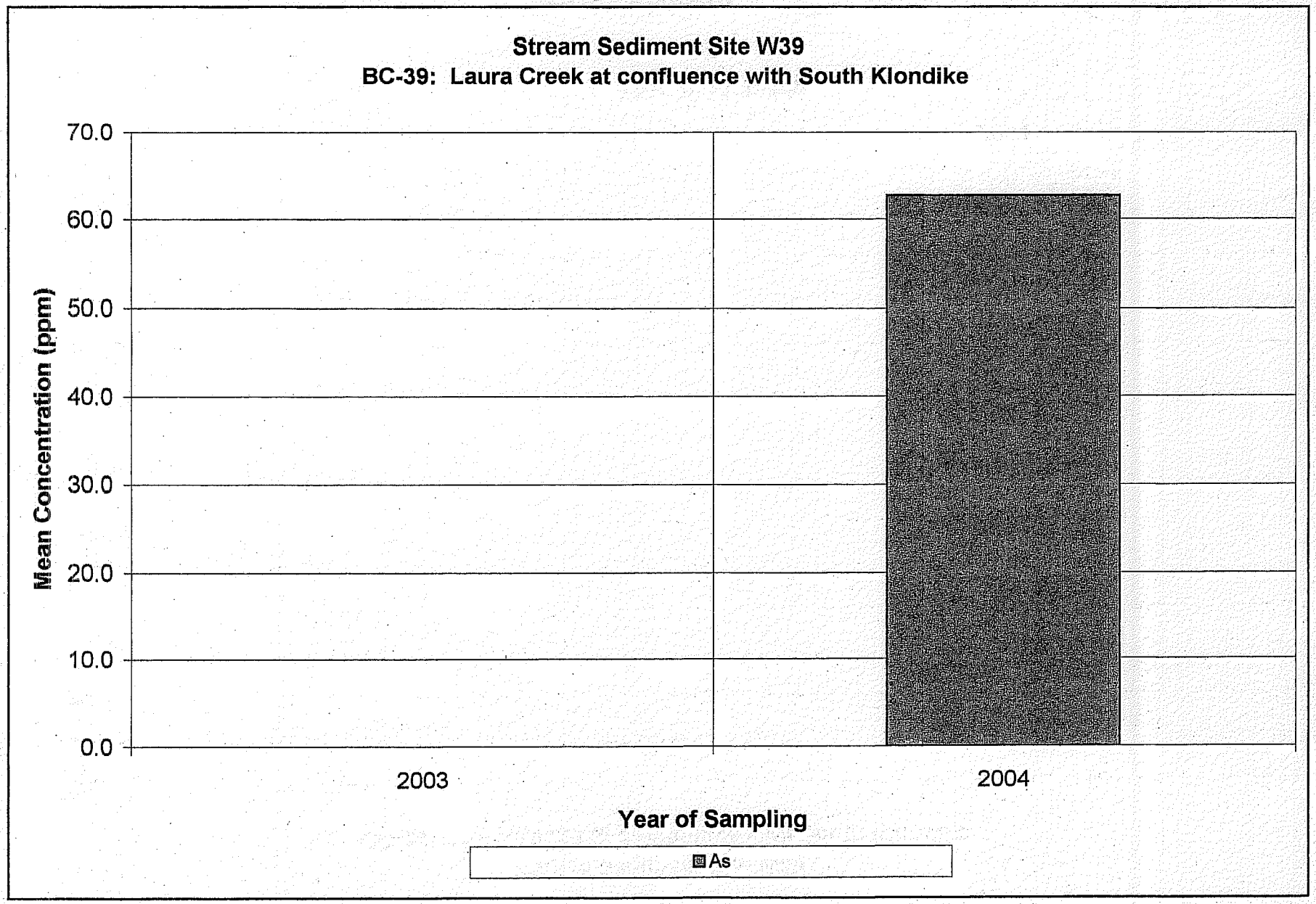

Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek
Mean Concentration (ppm)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

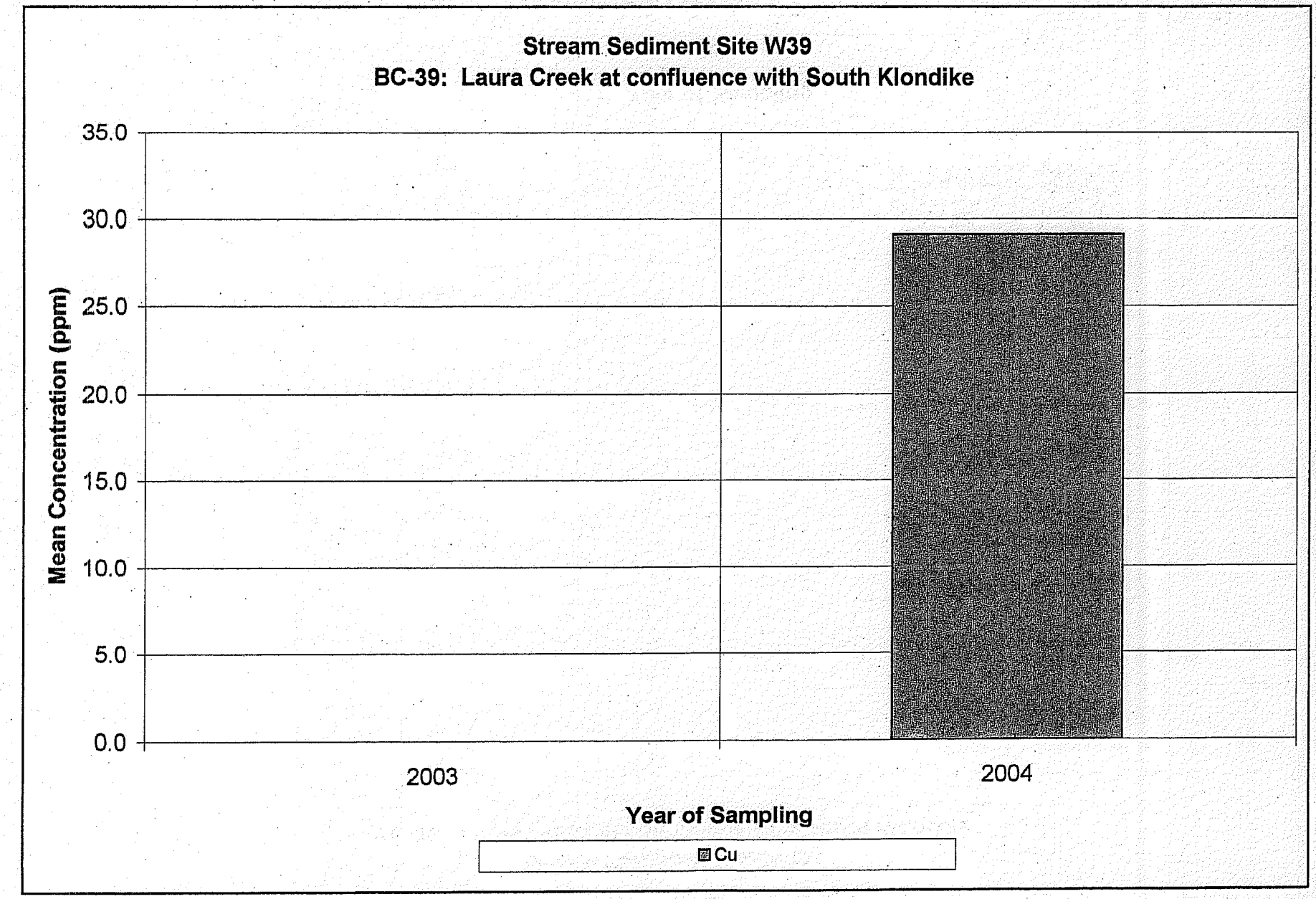

Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road
Mean Concentration (ppm)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As

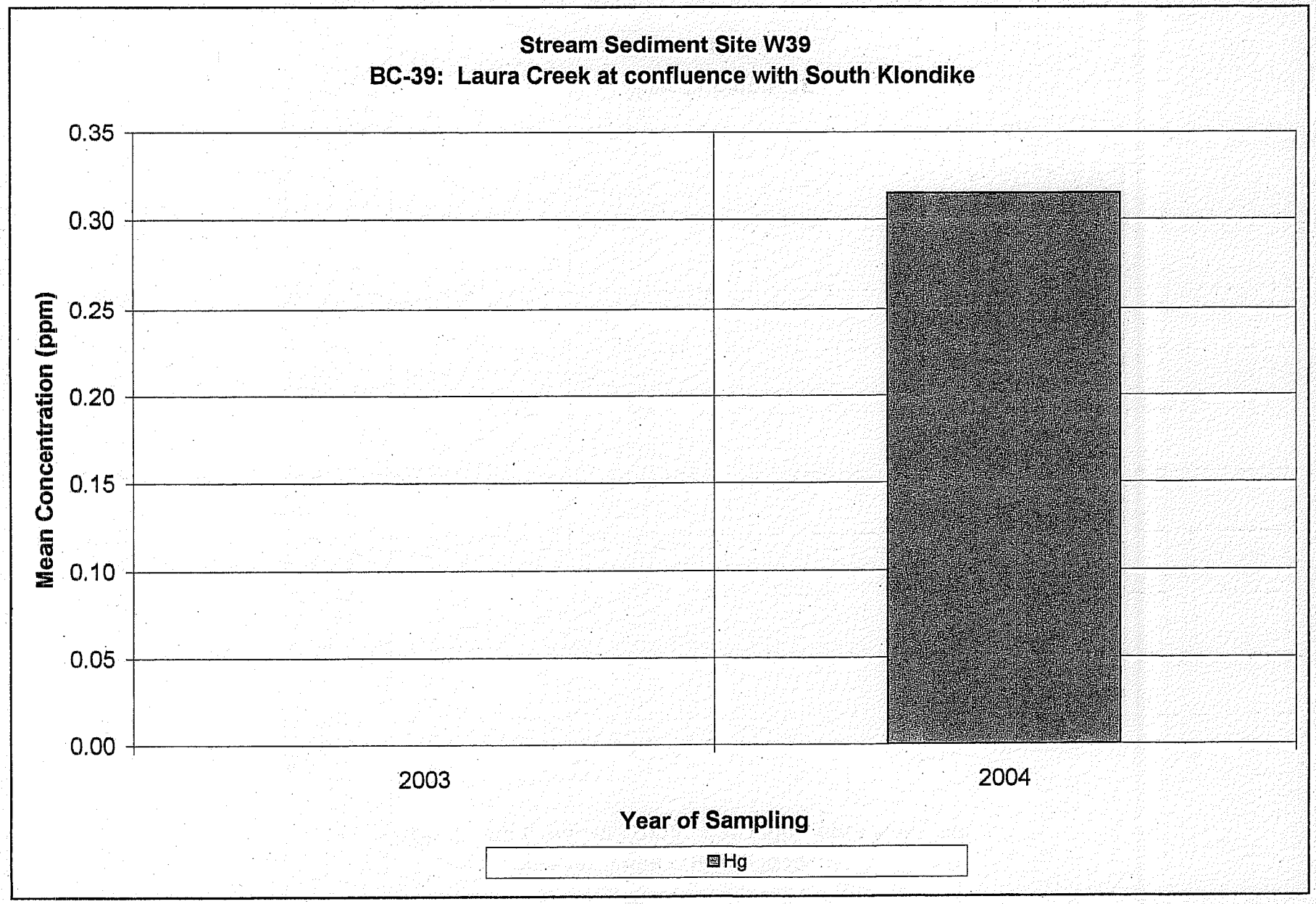

Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road
Mean Concentration (ppm)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu

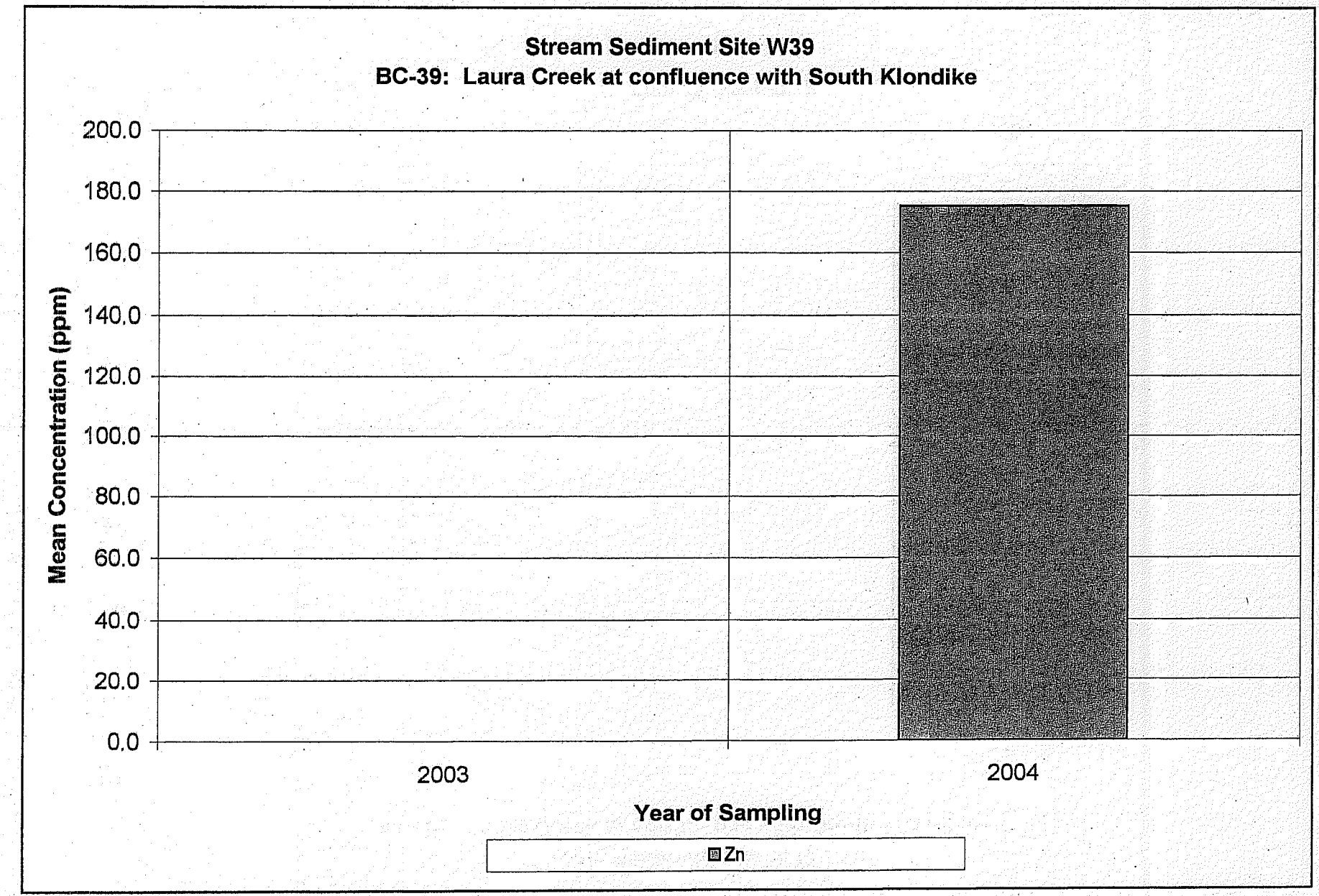

Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road
Mean Concentration (ppm)
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg

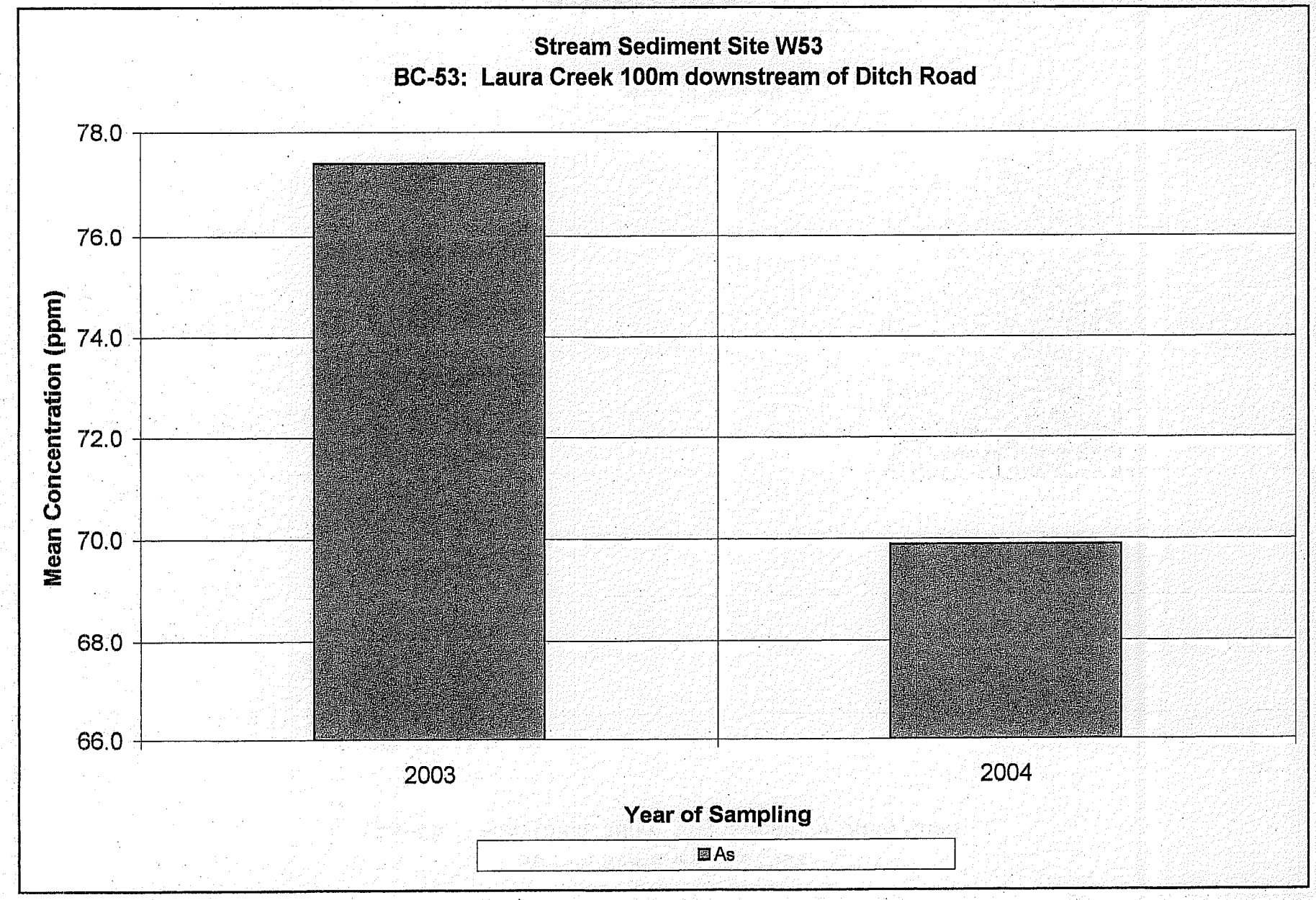

Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road
Mean Concentration (ppm)
250.0
200.0
150.0
100.0
50.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

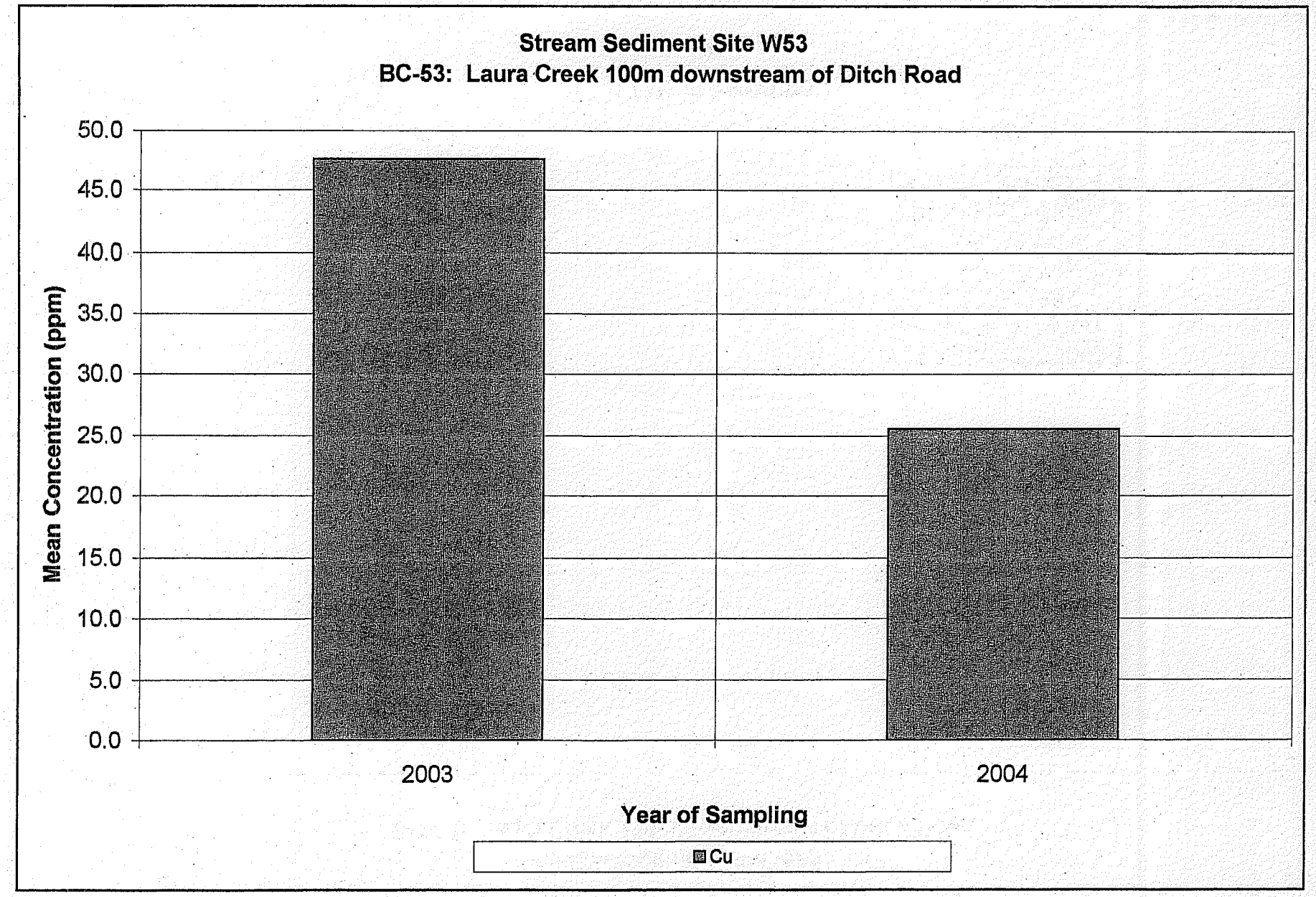

Stream Sediment Site W39
BC-39: Laura Creek at confluence with South Klondike
Mean Concentration (ppm)
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
2003
2004
Year of Sampling
As

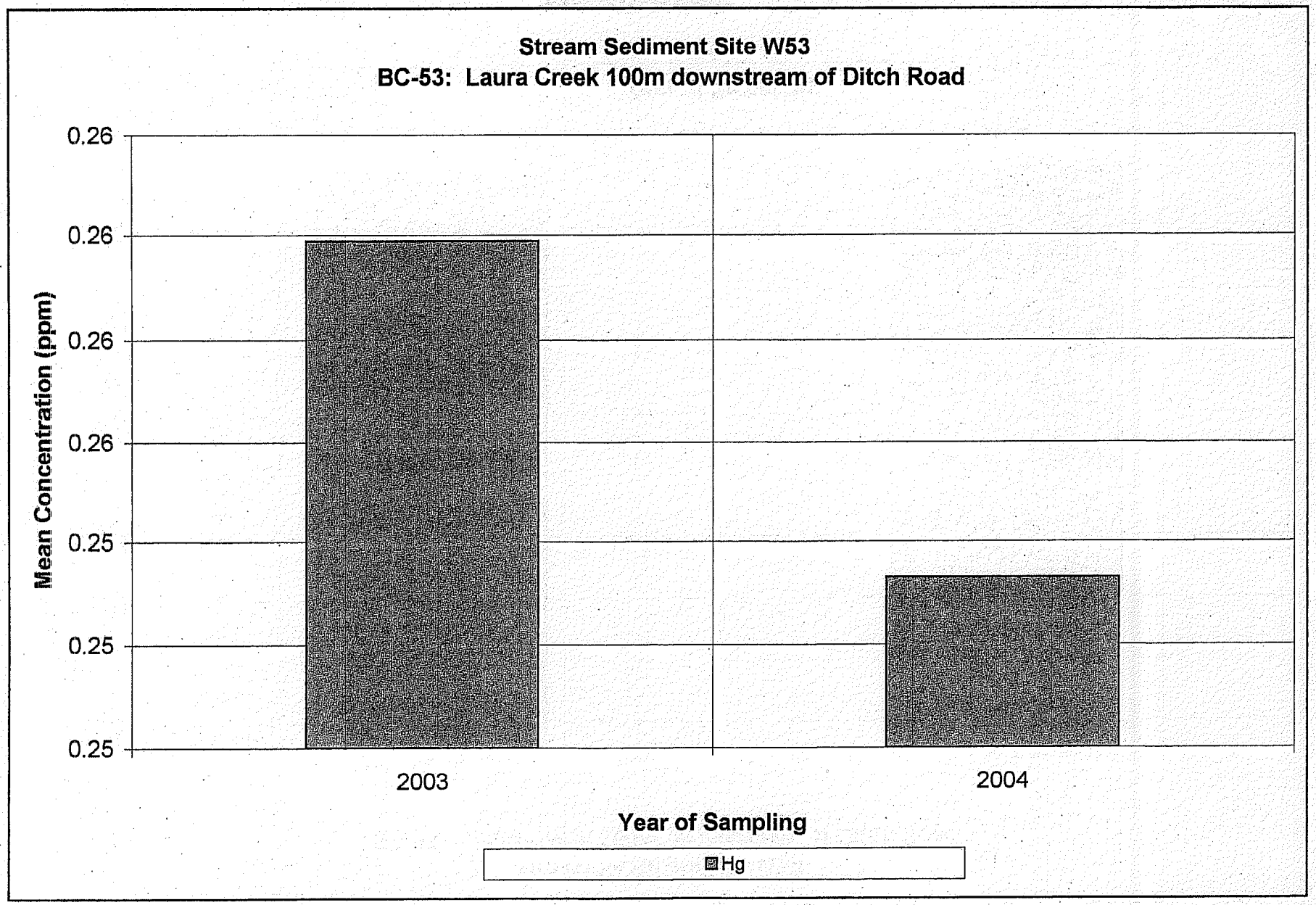

Stream Sediment Site W39
BC-39: Laura Creek at confluence with South Klondike
Mean Concentration (ppm)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2003
2004
Year of Sampling
Cu

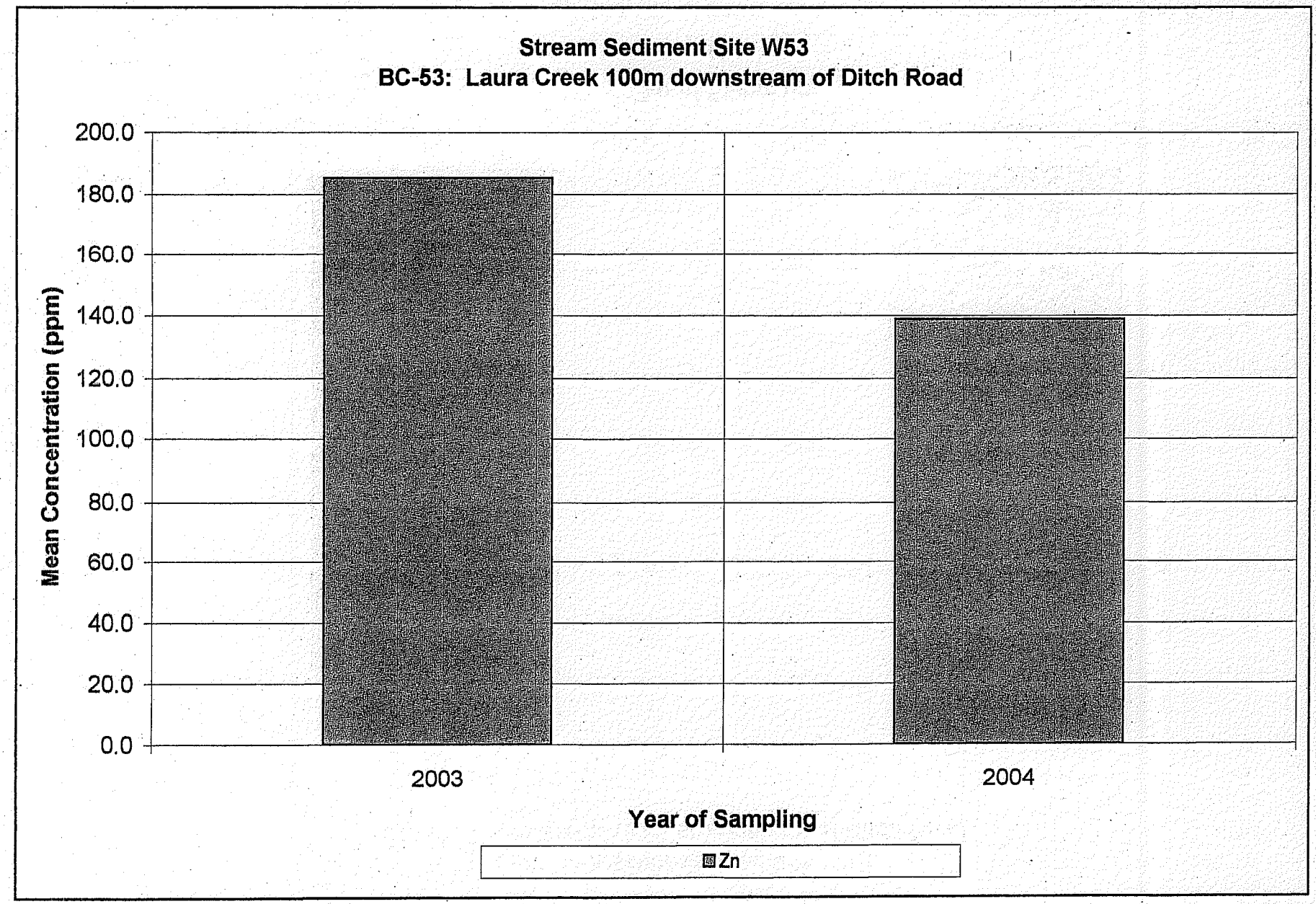

Stream Sediment Site W39
BC-39: Laura Creek at confluence with South Klondike
Mean Concentration (ppm)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
2003
2004
Year of Sampling
Hg


Stream Sediment Site W39
BC-39: Laura Creek at confluence with South Klondike
Mean Concentration (ppm)
200.0
180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
2003
2004
Year of Sampling
Zn


Stream Sediment Site W53
BC-53: Laura Creek 100m downstream of Ditch Road
78.0
76.0
74.0
72.0
70.0
68.0
66.0
Mean Concentration (ppm)
2003
2004
Year of Sampling
As


Stream Sediment Site W53
BC-53: Laura Creek 100m downstream of Ditch Road
Mean Concentration (ppm)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2003
2004
Year of Sampling
Cu


Stream Sediment Site W53
BC-53: Laura Creek 100m downstream of Ditch Road
Mean Concentration (ppm)
0.26
0.26
0.26
0.25
0.25
2003
2004
Year of Sampling
Hg


Stream Sediment Site W53
BC-53: Laura Creek 100m downstream of Ditch Road
Mean Concentration (ppm)
200.0
180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
2003
2004
Year of Sampling
Zn

Stream Sediment Analysis: HISTORICAL COMPARISON

		Pacific Creek Monitoring Stations											
		W11 BC-5											
		1991				1997	1998	1999	2000	2001	2002	2003	2004
As	ppm	13.0				33.4	27.2	**	20.8	23.1	14.5	**	12.3
Sb	ppm	2.0				3.0	5.9	**	3.1	3.7	2.5	**	1.8
Cd	ppm	2.1				2.1	3.4	**	2.6	2.7	2.8	**	2.3
Cu	ppm	36.0				47.3	55.9	**	38.3	43.3	36.6	**	30.0
Hg	ppm	0.2				0.4	0.3	**	0.5	0.8	0.4	**	0.3
Mo	ppm	1.0				5.1	4.6	**	2.9	2.6	2.5	**	1.8
Pb	ppm	8.0				13.1	14.5	**	9.6	10.5	9.4	**	7.5
Ni	ppm	58.0				61.0	73.0	**	59.8	73.9	60.4	**	63.4
Zn	ppm	342.0				378.8	412.7	**	367.2	460.9	371.5	**	321.9

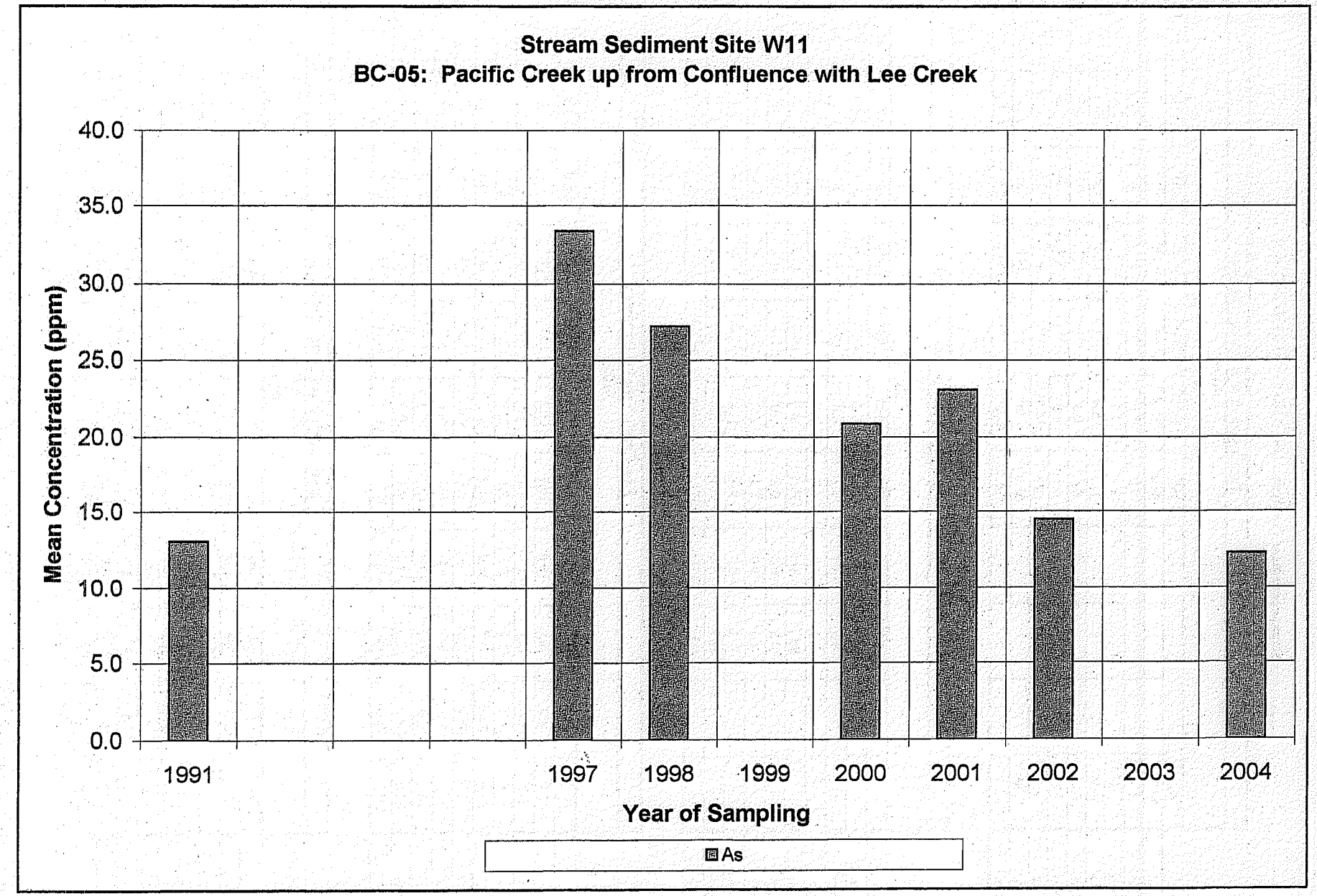
		Pacific Creek Monitoring Stations											
		W14 BC-35											
				1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm			18.9	24.0	28.2	41.5	44.3	20.6	31.9	21.5	38.0	33.1
Sb	ppm			3.5	3.0	5.1	6.8	6.6	3.3	5.1	5.9	3.2	3.7
Cd	ppm			2.0	1.5	1.3	2.1	2.0	1.5	1.8	1.3	2.5	1.7
Cu	ppm			25.1	30.0	36.5	38.9	56.0	23.0	36.9	24.8	41.6	27.4
Hg	ppm			0.5	0.8	0.8	1.0	1.4	0.9	0.9	0.6	0.7	0.5
Mo	ppm			4.0	1.0	2.3	2.7	2.3	1.4	2.0	1.5	2.2	1.9
Pb	ppm			10.0	8.0	9.6	9.4	11.0	6.2	9.3	7.4	10.1	8.0
Ni	ppm			46.0	59.0	71.0	75.0	72.0	44.1	68.9	47.7	78.8	77.9
Zn	ppm			241.7	351.0	371.2	410.6	445.0	240.0	365.2	270.3	453.1	421.6

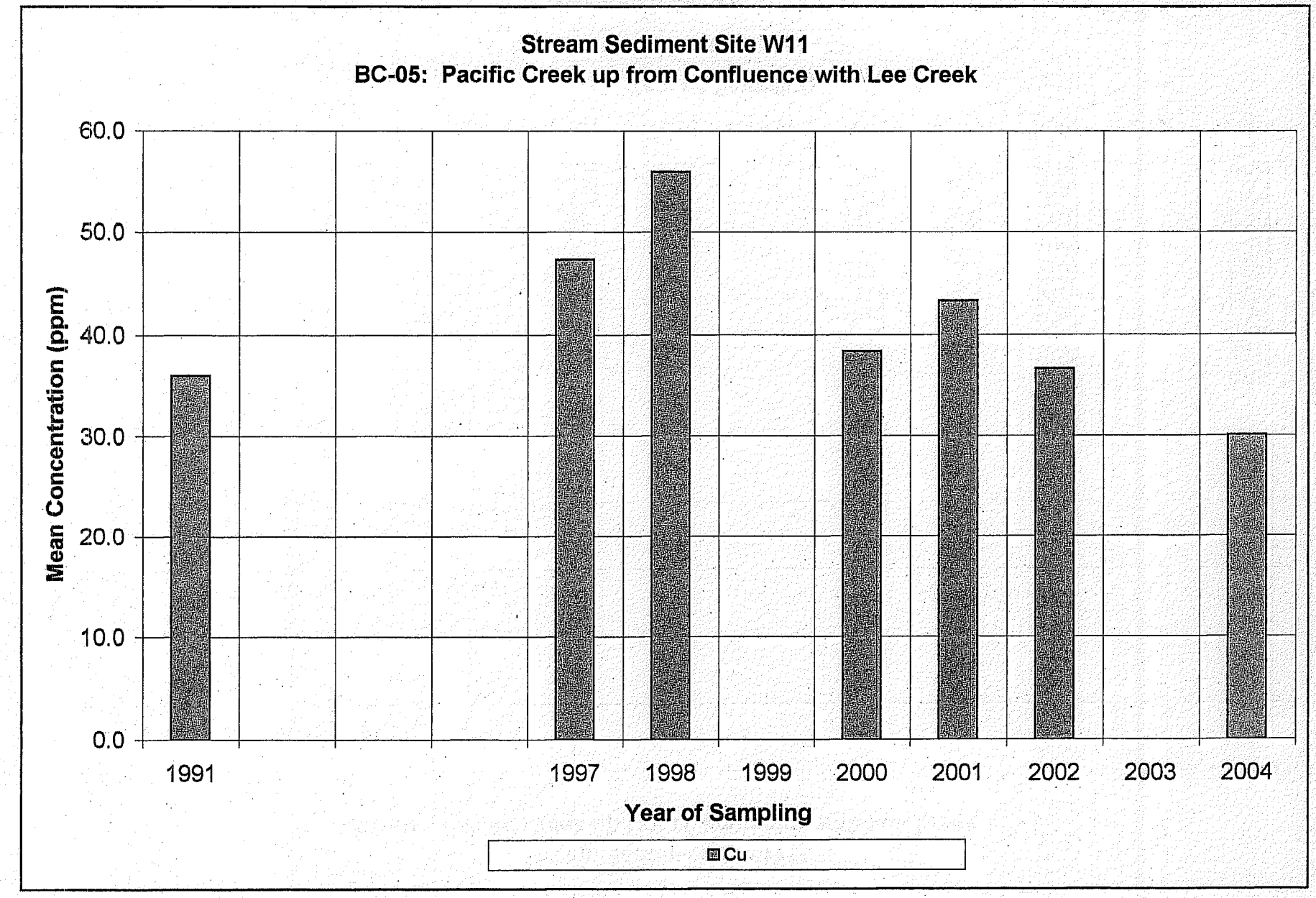
		Lee Creek Monitoring Stations											
		W06A BC-33											
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm	15.0	8.0	6.3	10.0	10.7	13.2	12.2	17.1	12.8	7.5	11.5	6.9
Sb	ppm	2.0	8.0	2.3	2.0	2.8	3.6	2.8	3.2	2.5	1.5	1.2	0.9
Cd	ppm	3.0	2.9	2.4	2.7	2.1	2.8	2.1	1.8	2.2	1.7	1.9	2.3
Cu	ppm	81.0	59.4	51.8	64.0	61.2	60.5	82.7	32.7	63.4	45.1	58.3	54.8
Hg	ppm	0.2	0.0	0.2	0.3	0.3	0.2	0.2	0.4	0.3	0.2	0.2	0.3
Mo	ppm	6.0	8.3	4.0	5.0	6.0	6.0	5.7	2.5	5.7	3.9	4.3	4.1
Pb	ppm	14.0	9.0	10.0	13.0	12.7	11.3	9.0	7.7	11.2	8.8	11.5	11.8
Ni	ppm	82.0	59.3	59.8	72.0	68.0	70.0	67.0	48.9	70.5	49.5	65.8	68.5
Zn	ppm	518.0	400.3	384.7	472.0	416.2	411.9	447.0	290.1	447.9	325.4	431.2	305.0

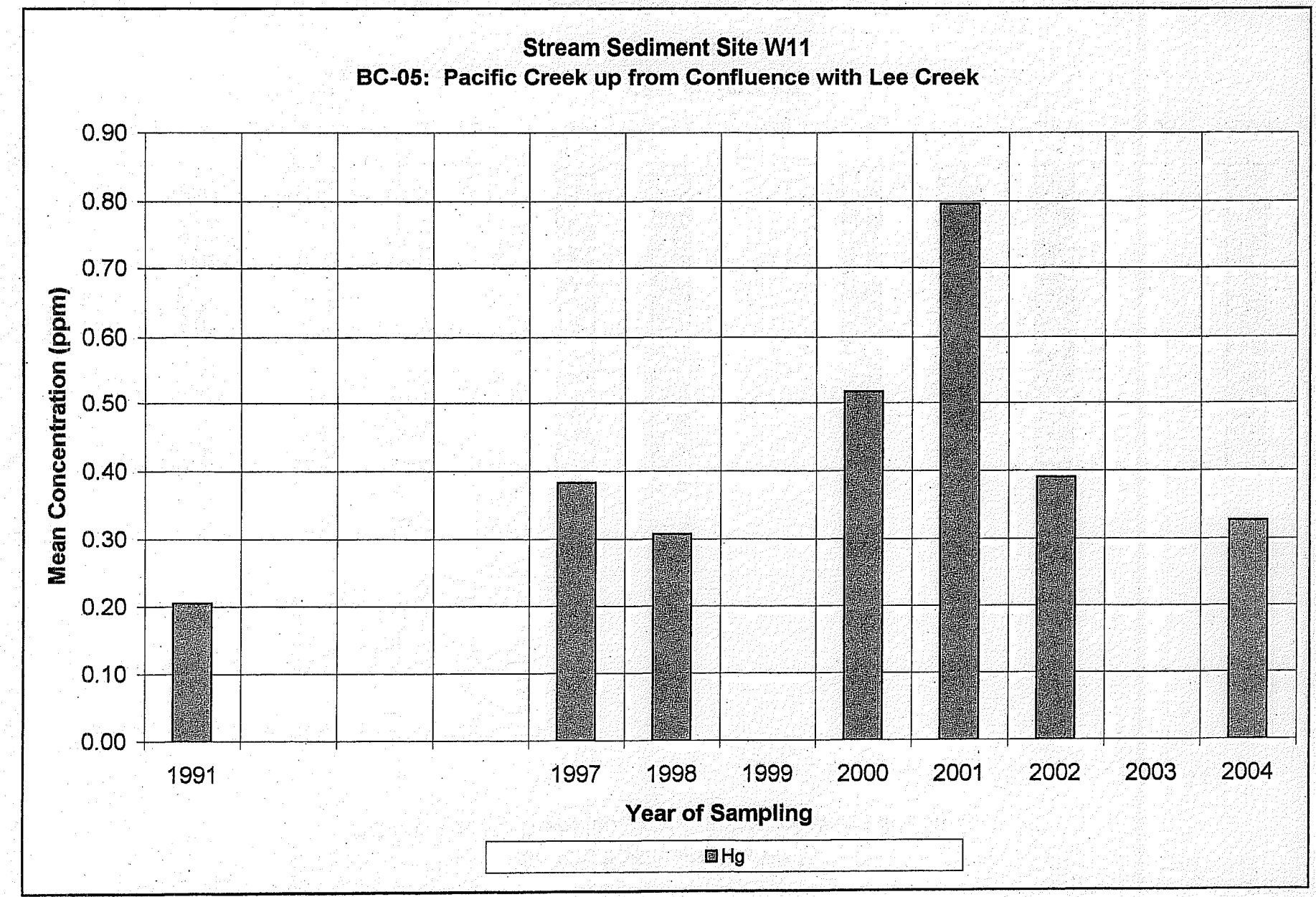
		Lee Creek Monitoring Stations											
		W07 BC-34											
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As	ppm	12.0	8.0	8.0	10.0	9.4	10.2	**	9.1	11.9	7.5	11.8	8.0
Sb	ppm	2.0	8.0	2.8	2.0	2.6	3.2	**	2.9	2.4	1.6	1.2	1.8
Cd	ppm	3.2	3.2	2.6	4.2	2.3	2.6	**	1.8	2.1	1.8	1.9	2.8
Cu	ppm	70.0	66.0	67.5	76.0	66.9	55.3	**	50.3	57.4	44.2	54.7	49.7
Hg	ppm	0.2	0.0	0.3	0.3	0.3	0.2	**	0.2	0.3	0.2	0.2	0.3
Mo	ppm	6.0	9.3	4.0	5.0	6.1	5.5	**	4.9	4.9	3.8	4.2	3.9
Pb	ppm	12.0	10.0	10.0	12.0	13.5	10.1	**	10.7	10.8	8.6	14.4	9.5
Ni	ppm	81.0	71.3	63.5	85.0	74.0	69.0	**	60.3	67.4	51.7	67.3	75.7
Zn	ppm	497.0	437.3	397.3	508.0	456.1	402.9	**	344.5	434.9	315.3	427.5	370.9

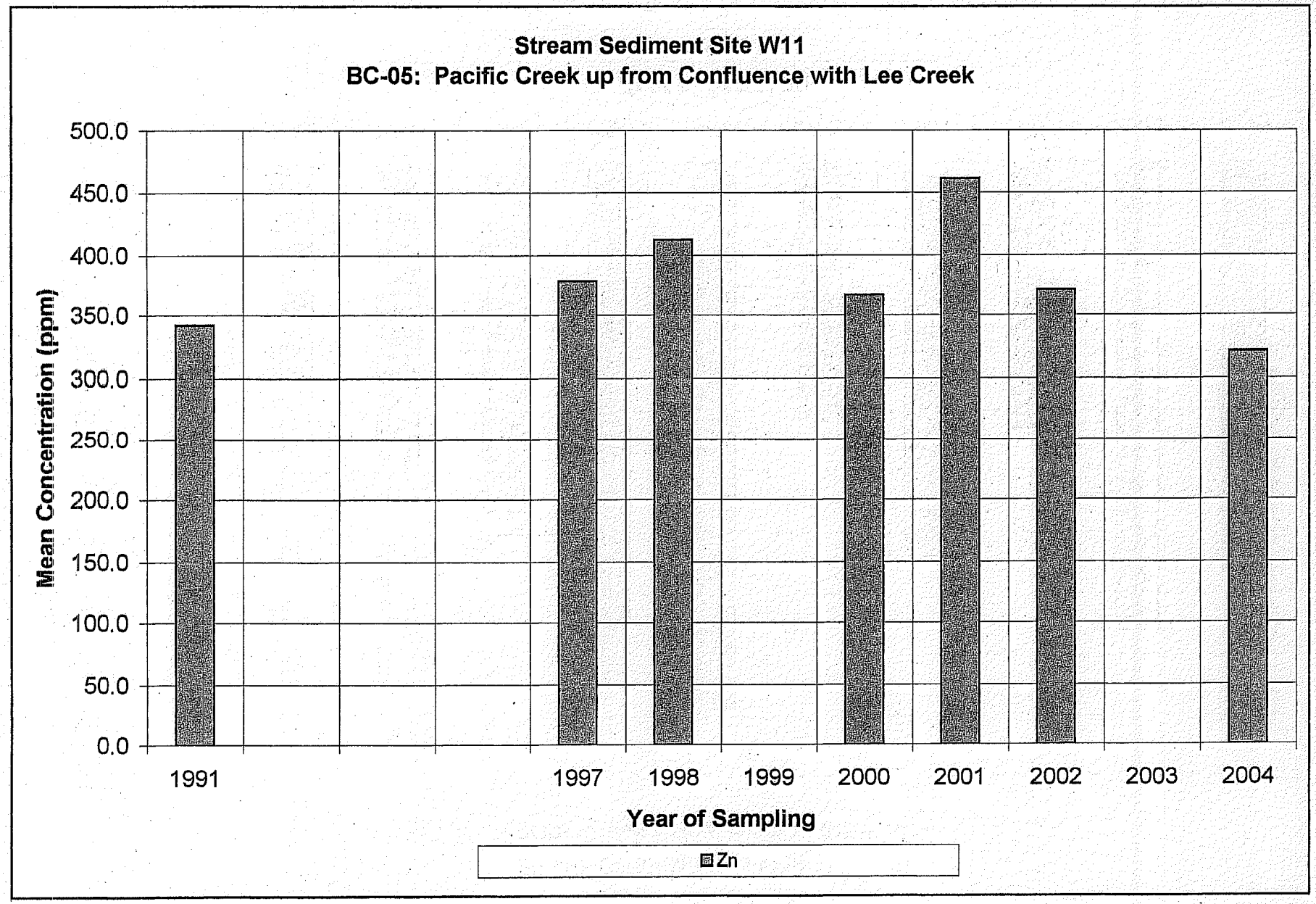
** all values represent mean of replicate samples*

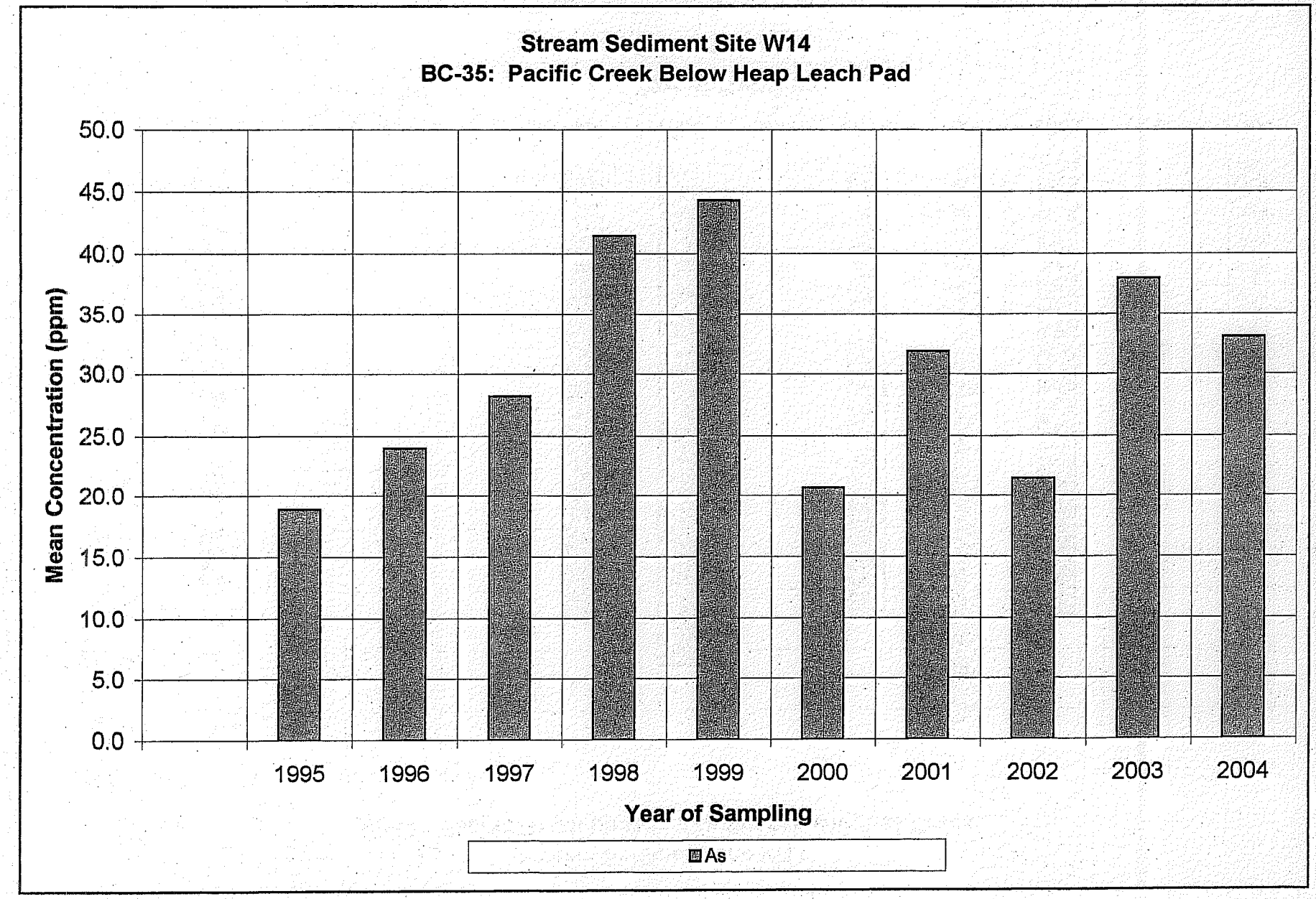
***Sites not sampled this year*

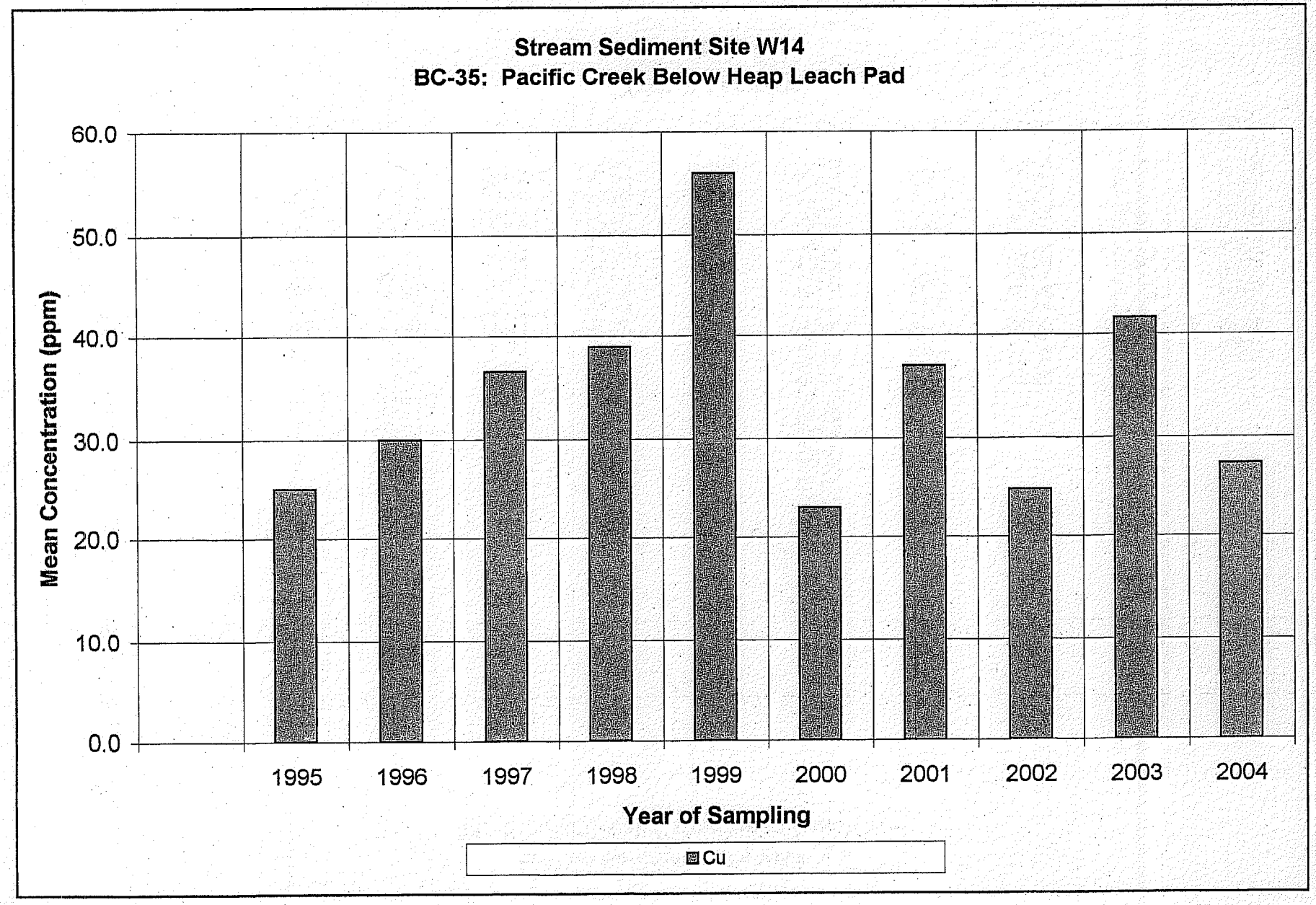

Stream Sediment Site W11
BC-05: Pacific Creek up from Confluence with Lee Creek
Mean Concentration (ppm)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1991
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As

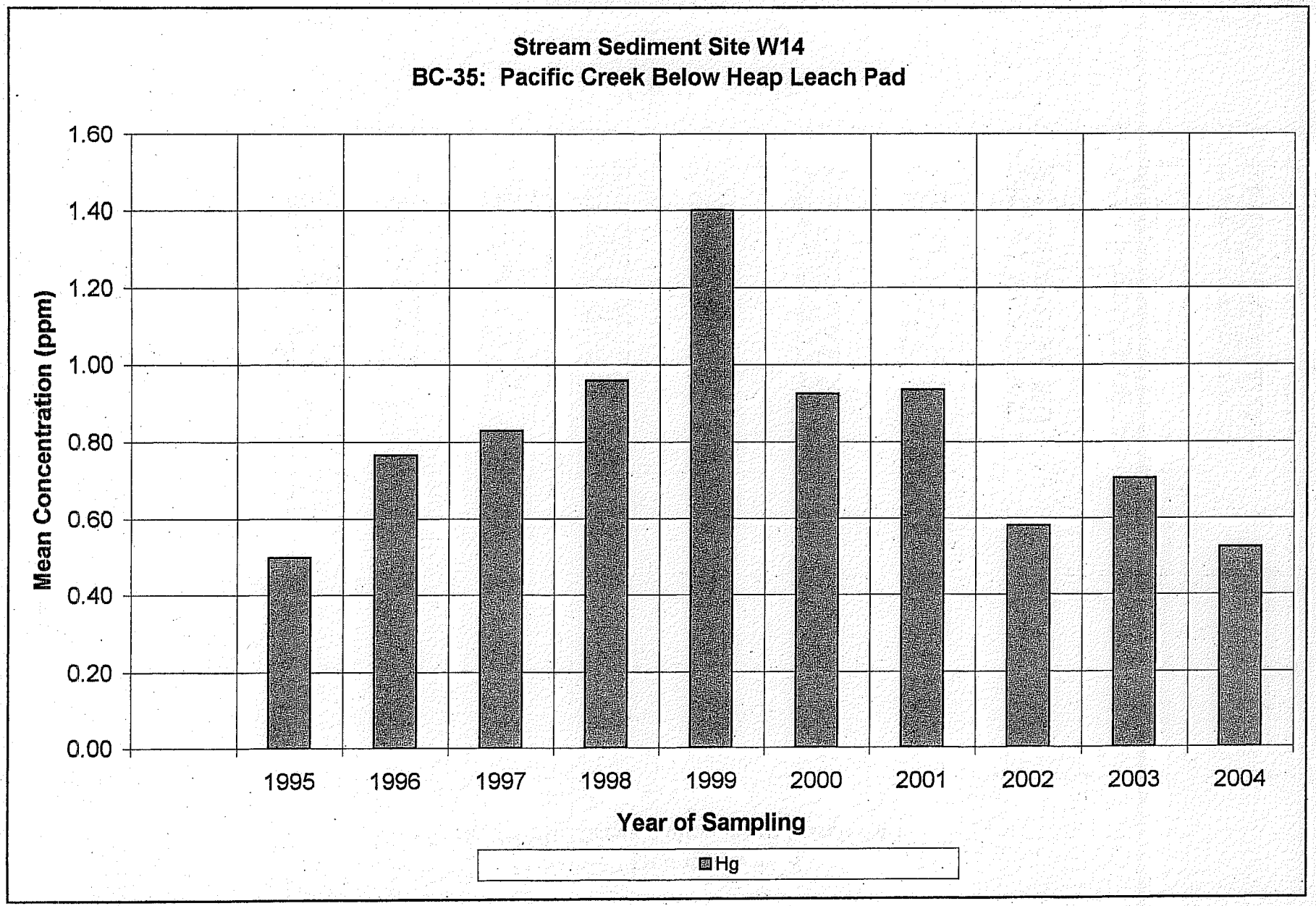

Stream Sediment Site W11
BC-05: Pacific Creek up from Confluence with Lee Creek
Mean Concentration (ppm)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1991
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu

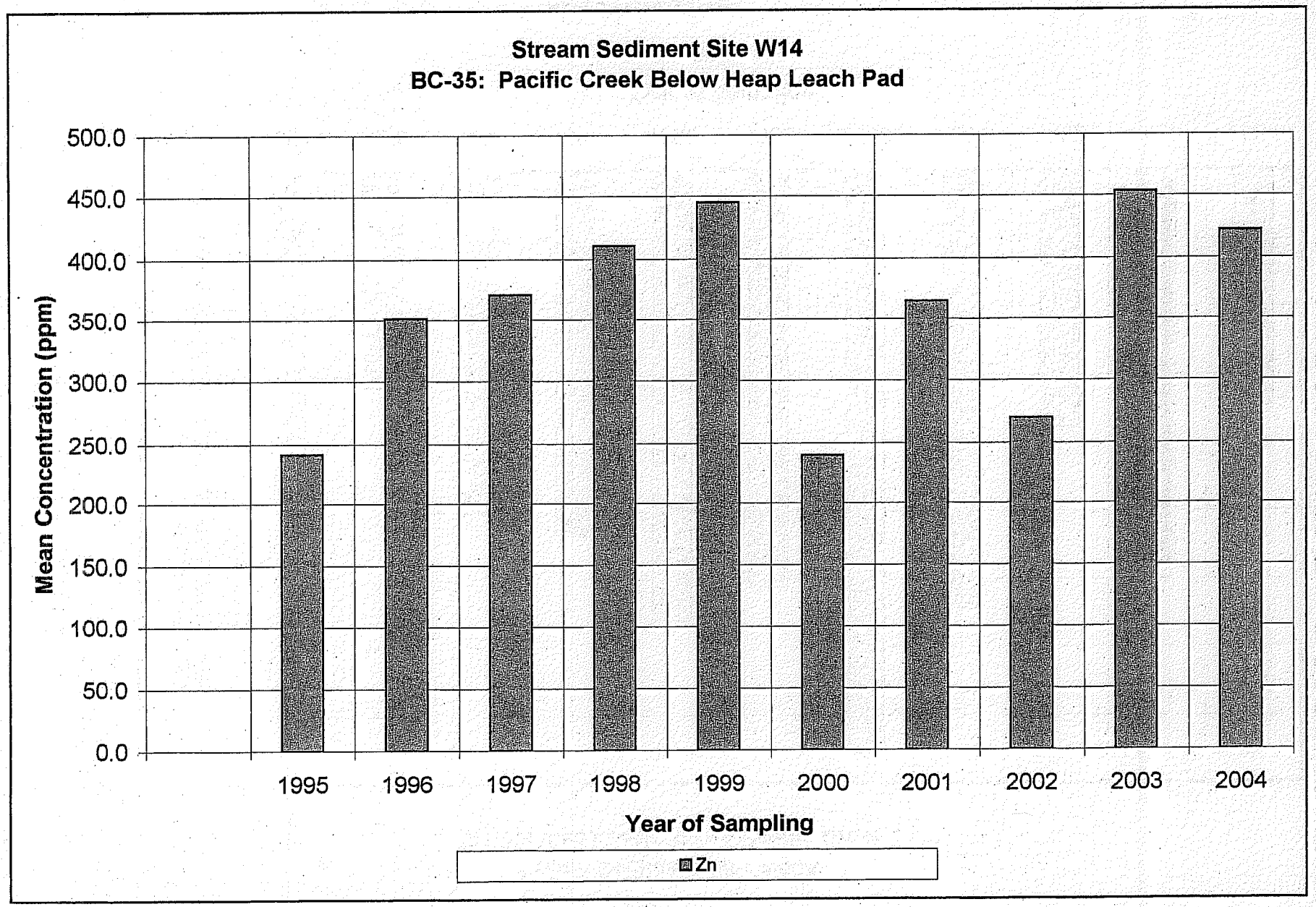

Stream Sediment Site W11
BC-05: Pacific Creek up from Confluence with Lee Creek
Mean Concentration (ppm)
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1991
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg

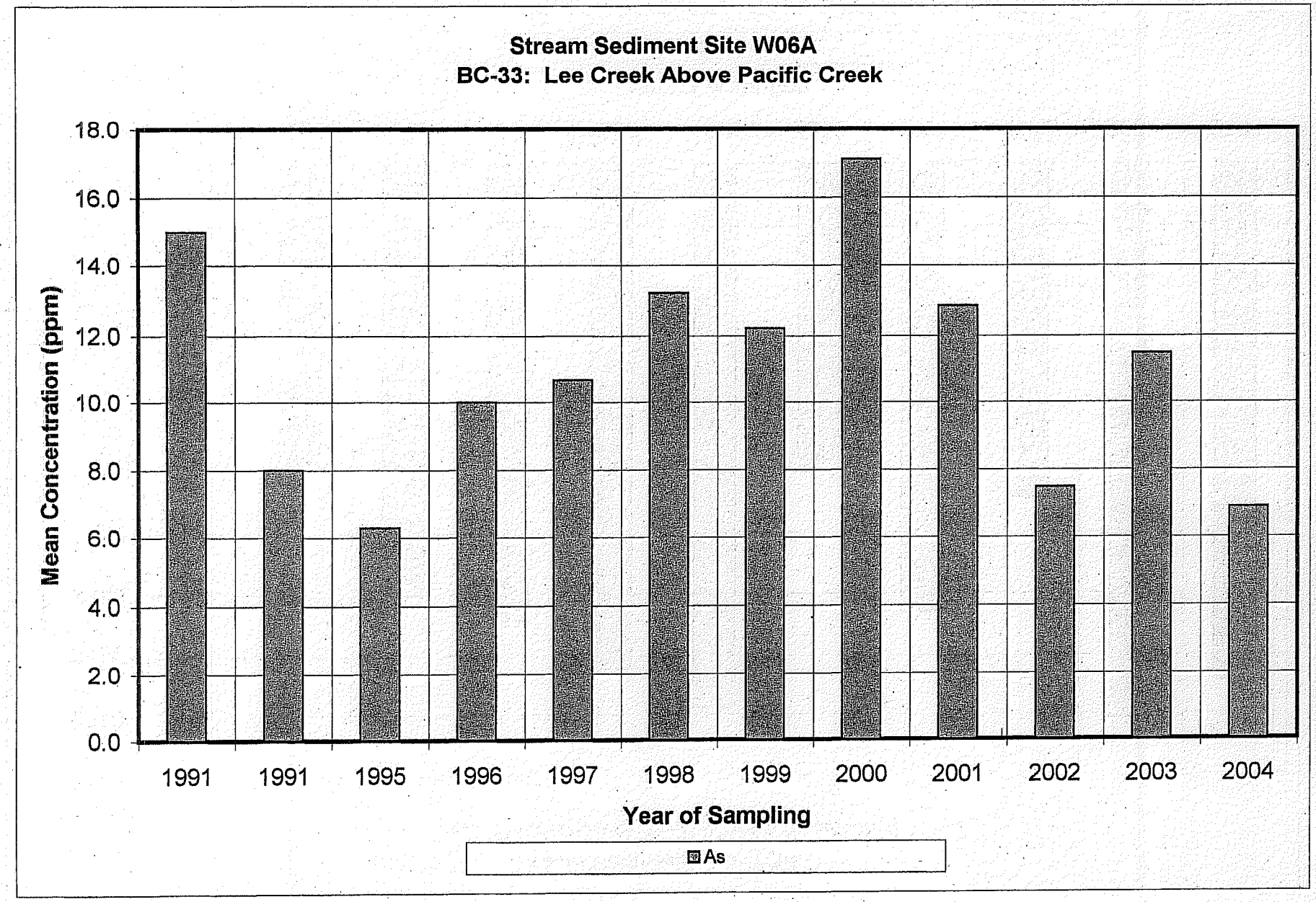

Stream Sediment Site W11
BC-05: Pacific Creek up from Confluence with Lee Creek
Mean Concentration (ppm)
500.0
450.0
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1991
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

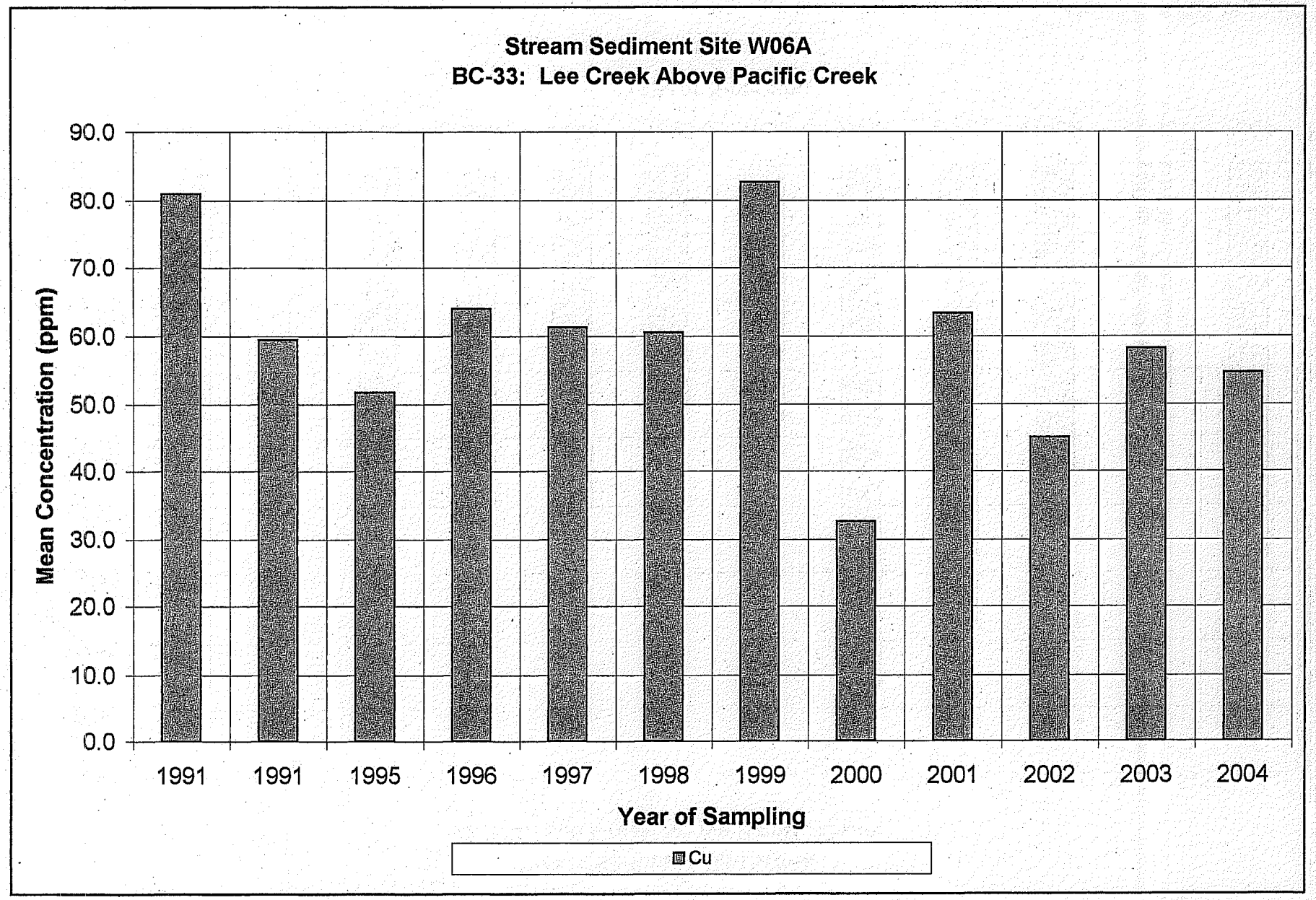

Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad
Mean Concentration (ppm)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As

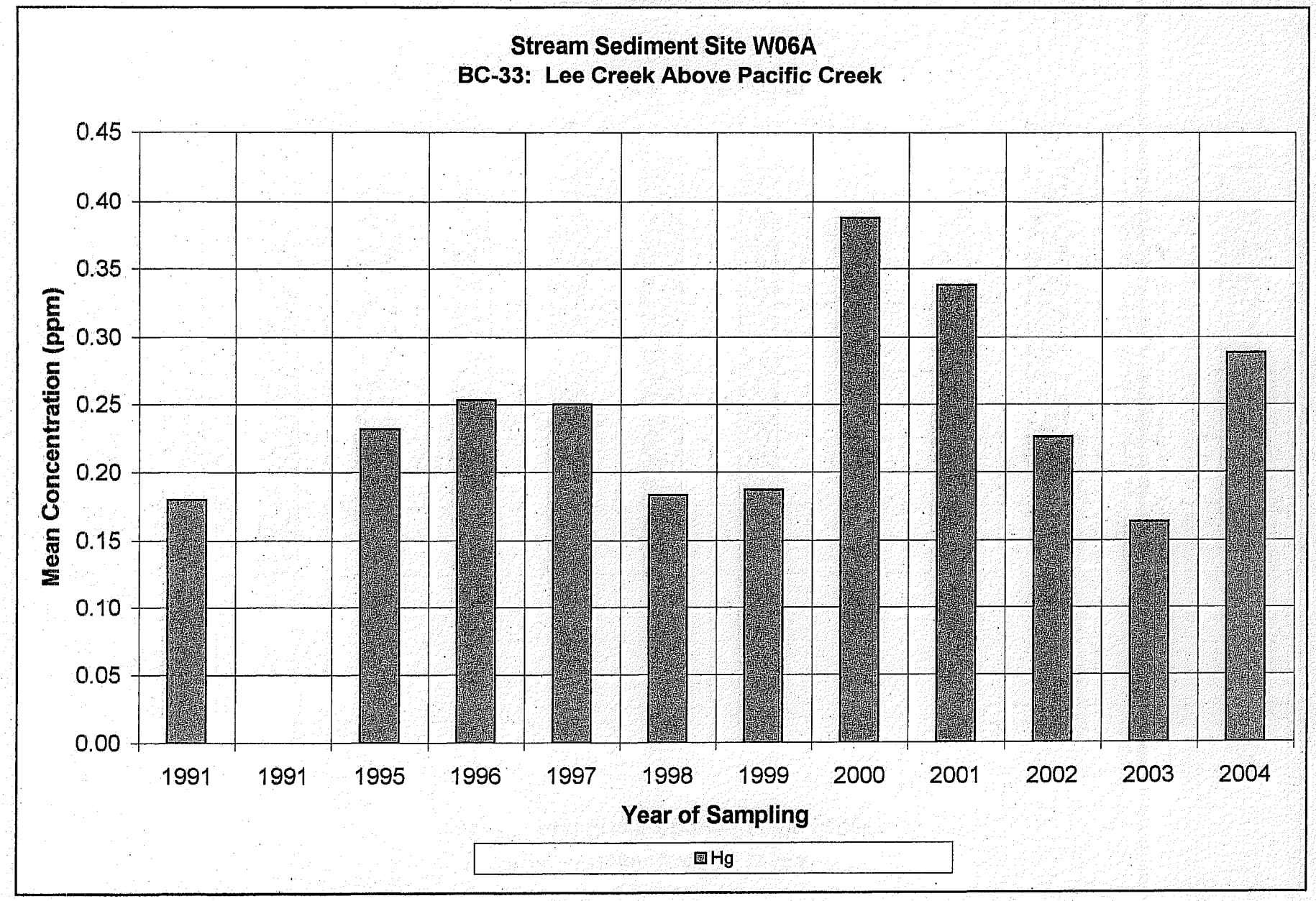

Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad
Mean Concentration (ppm)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu

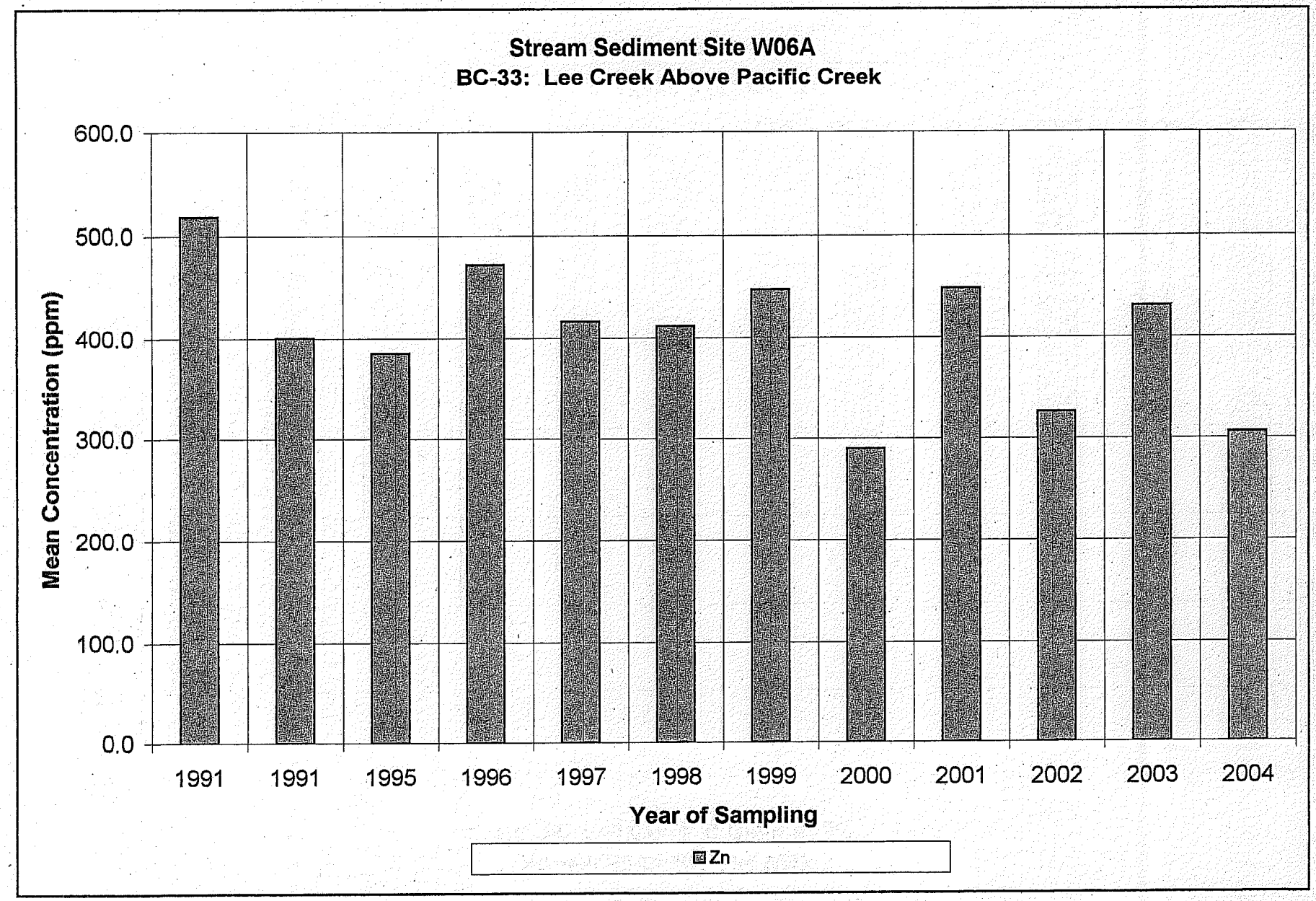

Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad
Mean Concentration (ppm)
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg

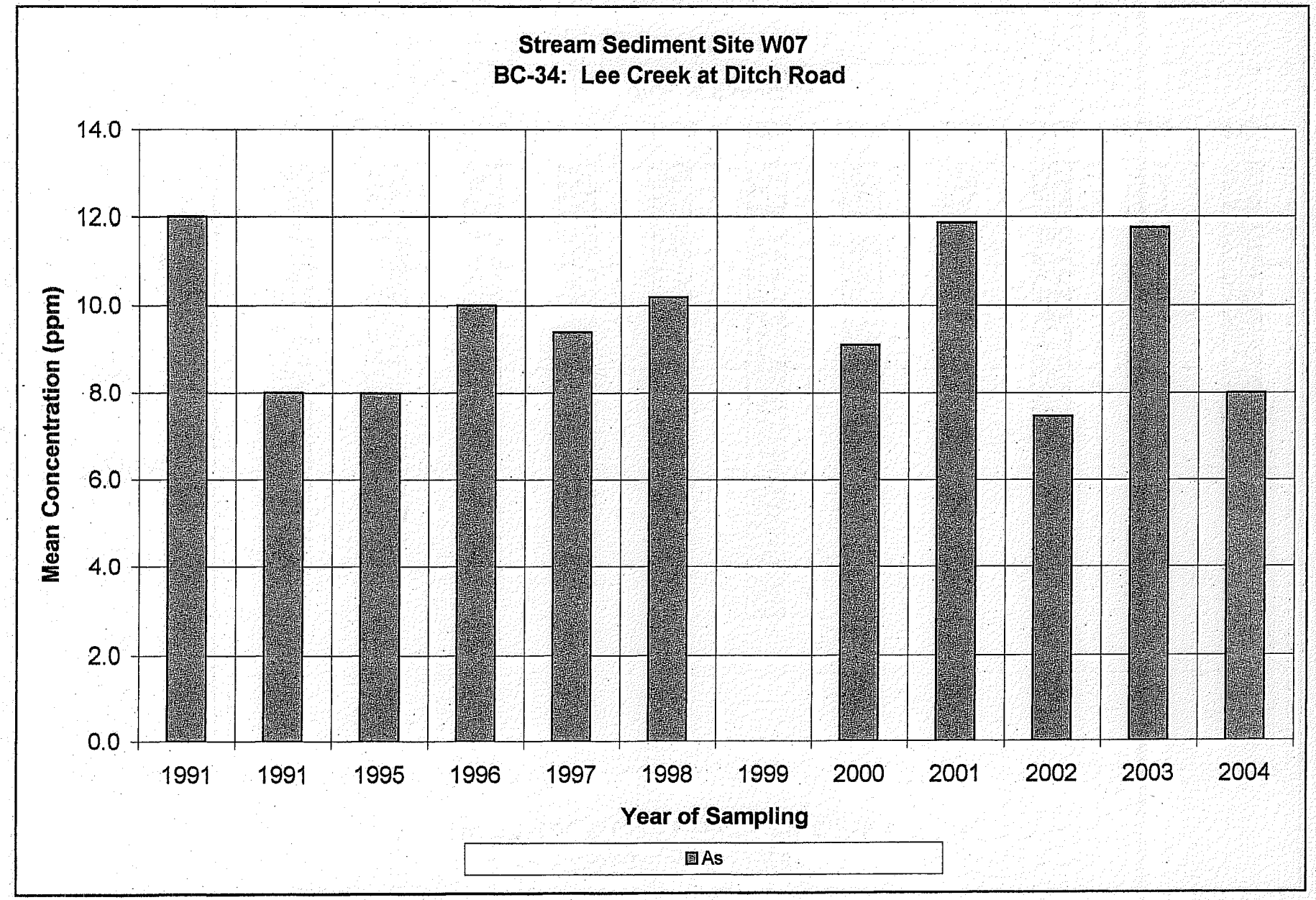

Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad
Mean Concentration (ppm)
500.0
450.0
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

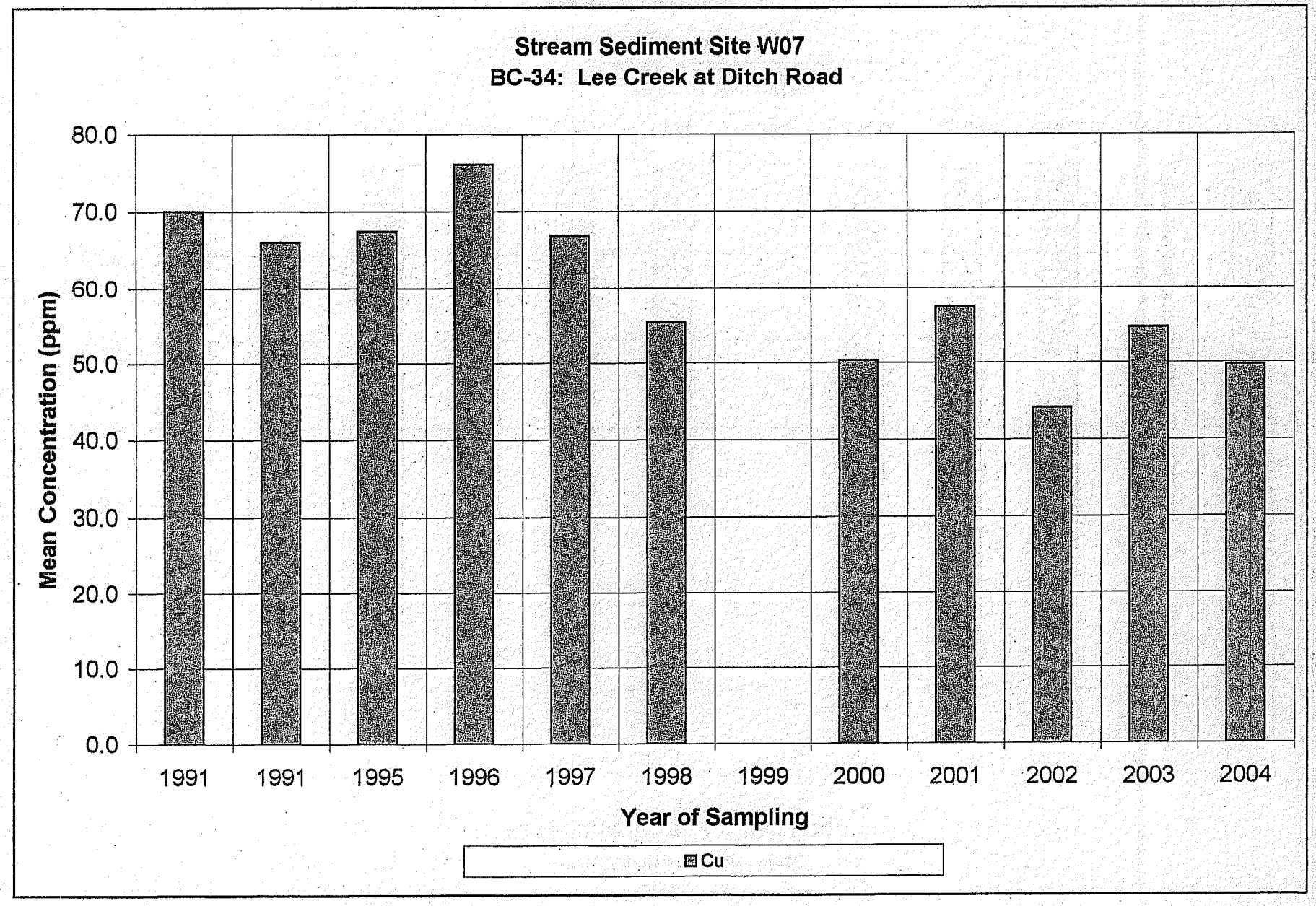

Stream Sediment Site W06A
BC-33: Lee Creek Above Pacific Creek
Mean Concentration (ppm)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As

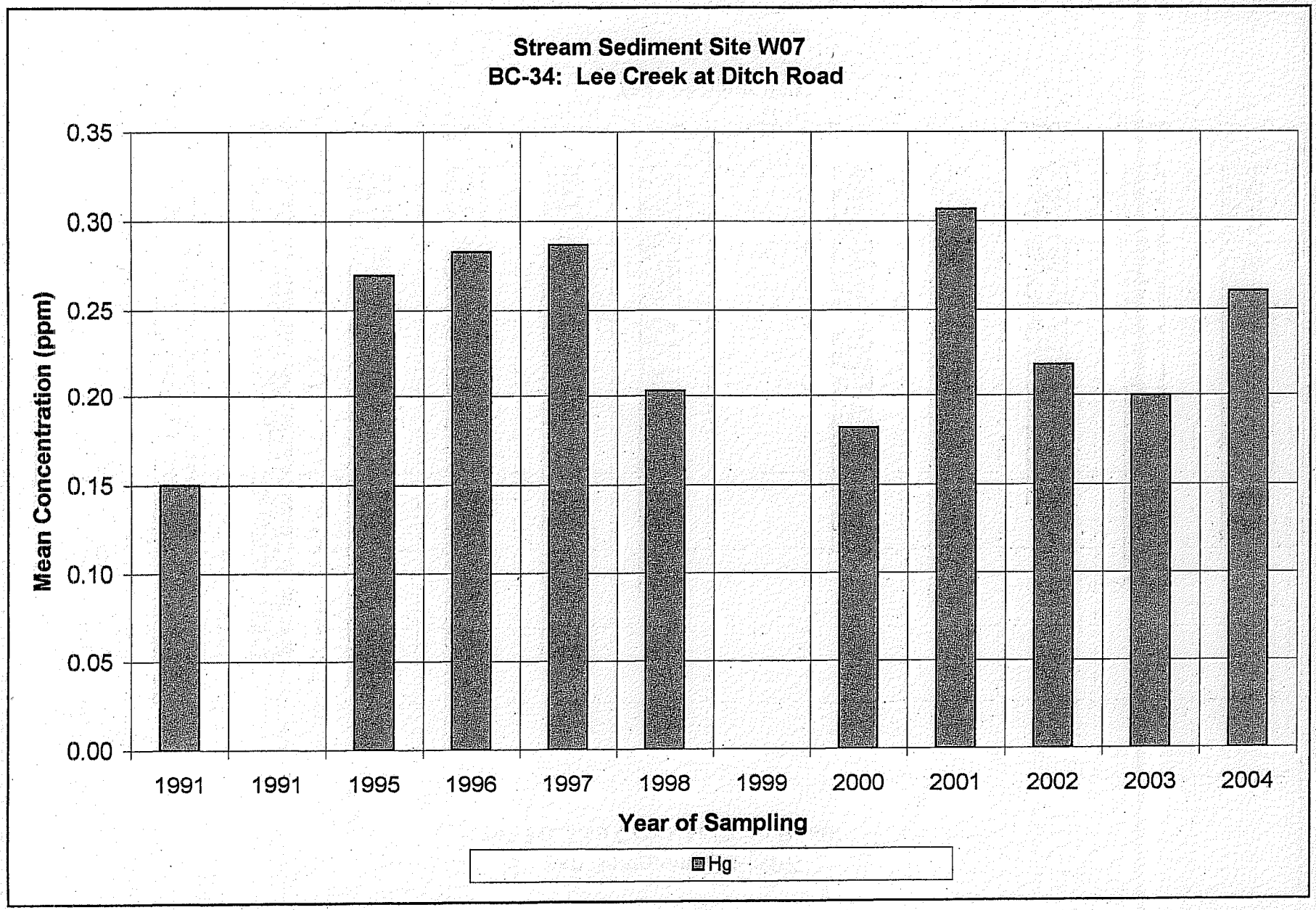

Stream Sediment Site W06A
BC-33: Lee Creek Above Pacific Creek
Mean Concentration (ppm)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu

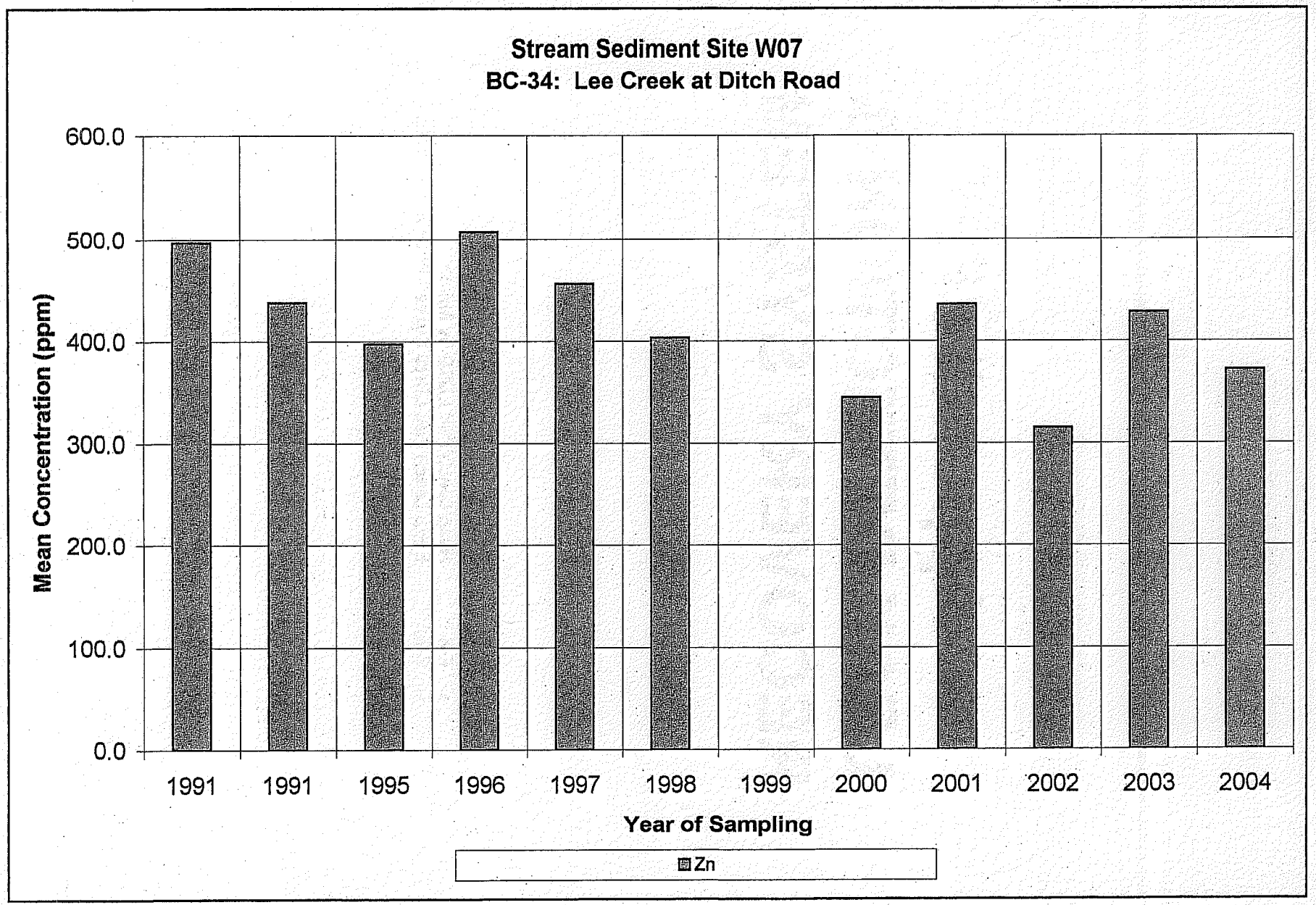

Stream Sediment Site W06A
BC-33: Lee Creek Above Pacific Creek
Mean Concentration (ppm)
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg


Stream Sediment Site W06A
BC-33: Lee Creek Above Pacific Creek
Mean Concentration (ppm)
600.0
500.0
400.0
300.0
200.0
100.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn


Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road
Mean Concentration (ppm)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
As


Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road
Mean Concentration (ppm)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Cu


Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road
Mean Concentration (ppm)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Hg

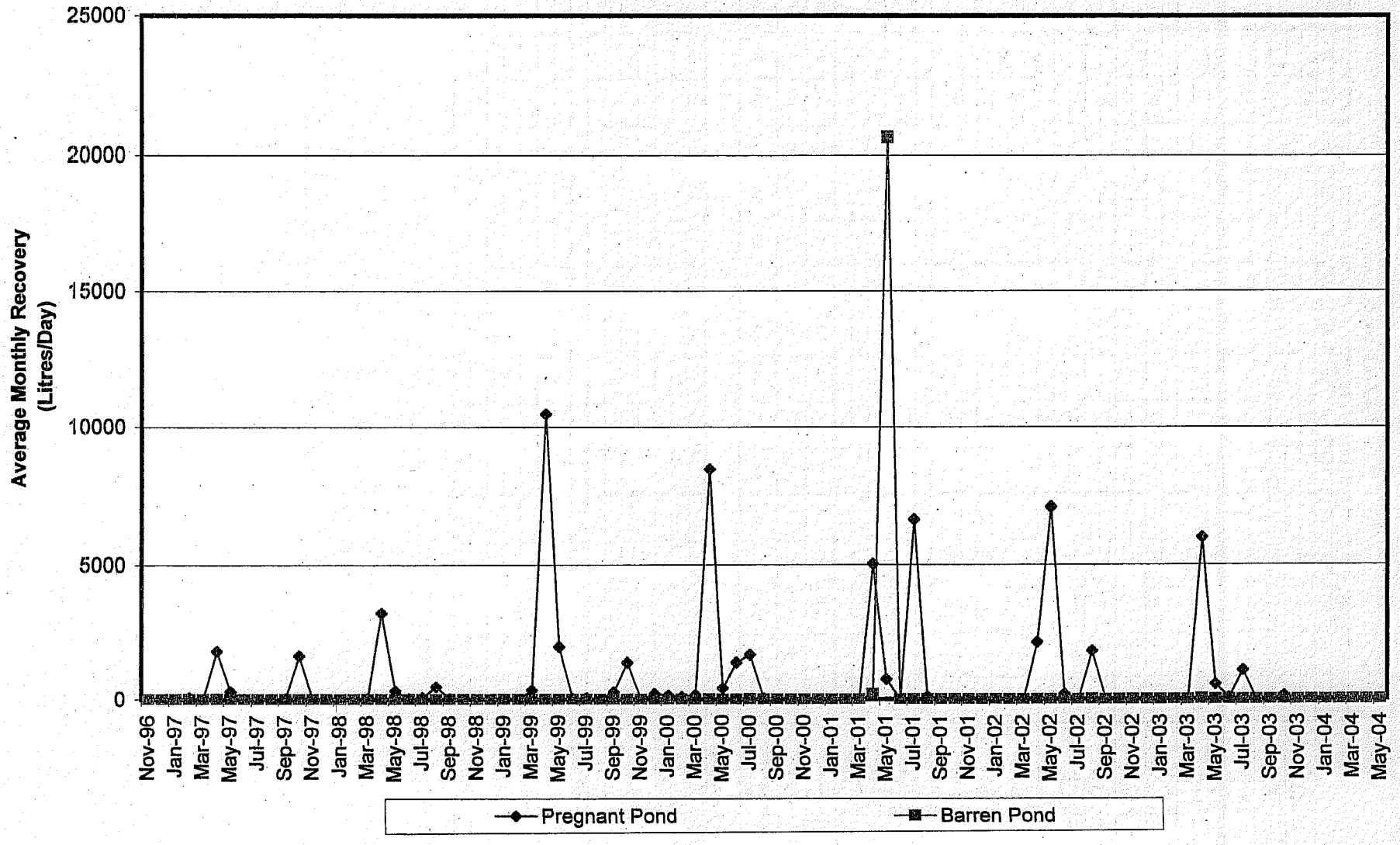

Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road
Mean Concentration (ppm)
600.0
500.0
400.0
300.0
200.0
100.0
0.0
1991
1991
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
Year of Sampling
Zn

Appendix F
LEAK DETECTION & RECOVERY SYSTEM

- F-1.1 LDRS Summary Process Ponds
- F-2.1 Heap Leach Pad LDRS by Month
- F-2.2 Heap Leach Pad LDRS Subcell Recovery Graphs

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007

LEAK DETECTION AND RECOVERY SYSTEM
Process Ponds



VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 1					CELL 2					CELL 3					CELL 4				
	1A	1B	1C	1D	1E*	2A	2B	2C	2D	2E*	3A	3B	3C	3D	3E*	4A	4B	4C	4D	4E*
1-Jan-04			5.0	1.5			2.0							0.5					18.0	
2-Jan-04																				
3-Jan-04																				
4-Jan-04			6.0																	
5-Jan-04																				
6-Jan-04																				
7-Jan-04			6.0	1.0																
8-Jan-04																				
9-Jan-04			11.0		1.5															
10-Jan-04																				
11-Jan-04			11.0	112.0			63.0							93.0					116.0	
12-Jan-04																				
13-Jan-04																				
14-Jan-04			7.0	29.0			12.0							20.0					45.0	
15-Jan-04																				
16-Jan-04																				
17-Jan-04																				
18-Jan-04			7.0	2.0			3.0													
19-Jan-04																				
20-Jan-04														2.0						
21-Jan-04																				
22-Jan-04			12.0	13.0	0.5		1.5							4.0					88.0	
23-Jan-04																				
24-Jan-04			4.0	74.0			1.5							1.0					17.0	
25-Jan-04																				
26-Jan-04																				
27-Jan-04																				
28-Jan-04																				
29-Jan-04																				
30-Jan-04																				
31-Jan-04																				
Vol. Recovered (L)	0.0	0.0	69.0	232.5	2.0	0.0	83.0	0.0	0.0	0.0	0.0	0.0	0.0	120.5	0.0	0.0	0.0	0.0	284.0	0.0
# of Days	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Ave. Daily Recovery (L/day)	**0.0**	**0.0**	**2.2**	**7.5**	**0.1**	**0.0**	**2.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**3.9**	**0.0**	**0.0**	**0.0**	**0.0**	**9.2**	**0.0**

Total Cyanide (mg/L)

WAD Cyanide (mg/L)

*** Station "E": 300 mm LDRS containment pipe for each cell.**

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 5					CELL 6					CELL 7				
	5A	5B	5C	5D	5E*	6A	6B	6C	6D	6E*	7A	7B	7C	7D	7E*
1-Jan-04	4.0	2.0		0.5											
2-Jan-04															
3-Jan-04															
4-Jan-04	3.5	2.5													
5-Jan-04															
6-Jan-04															
7-Jan-04	5.0	3.0		2.0											
8-Jan-04															
9-Jan-04	5.0	3.0		1.5											
10-Jan-04															
11-Jan-04	5.0	3.0		1.5											
12-Jan-04															
13-Jan-04															
14-Jan-04	6.0	4.0		1.4											
15-Jan-04															
16-Jan-04															
17-Jan-04															
18-Jan-04	10.0	6.0		1.0											
19-Jan-04															
20-Jan-04	5.0	2.0		1.0											
21-Jan-04															
22-Jan-04	4.0	3.0		1.0											
23-Jan-04															
24-Jan-04	4.0	1.0		0.5											
25-Jan-04															
26-Jan-04	2.0	2.0		0.5											
27-Jan-04															
28-Jan-04	1.5	2.0		0.5											
29-Jan-04															
30-Jan-04	2.0	2.0		1.0											
31-Jan-04															
Vol. Recovered (L)	57.0	35.5	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# of Days	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Ave. Daily Recovery (L/day)	**1.8**	**1.1**	**0.0**	**0.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Total Cyanide (mg/L)

WAD Cyanide (mg/L)

*** Station "E": 300 mm L**

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 1					CELL 2					CELL 3					CELL 4				
	1A	1B	1C	1D	1E*	2A	2B	2C	2D	2E*	3A	3B	3C	3D	3E*	4A	4B	4C	4D	4E*
1-Feb-04																				
2-Feb-04																				
3-Feb-04																				
4-Feb-04			21.0	2.0			66.0							0.5					114.0	
5-Feb-04																				
6-Feb-04			5.0	115.0	7.0		7.0							114.0				148.0	35.0	
7-Feb-04																				
8-Feb-04																				
9-Feb-04			3.0	21.0			8.0							20.0				6.0	26.0	
10-Feb-04																				
11-Feb-04			2.0	13.0			6.0							10.0					18.0	
12-Feb-04																				
13-Feb-04			3.0	14.0			6.0							10.0				1.0	18.0	
14-Feb-04																				
15-Feb-04																				
16-Feb-04			6.0	24.0			7.0							11.0					33.0	
17-Feb-04																				
18-Feb-04			4.0	15.0			5.0							1.0					22.0	
19-Feb-04																				
20-Feb-04			3.0	16.0			7.0											2.0	19.0	
21-Feb-04																				
22-Feb-04																				
23-Feb-04			4.0	22.0			8.0							36.0					37.0	
24-Feb-04																				
25-Feb-04																				
26-Feb-04			4.0	19.0			7.0							14.0				1.0	26.0	
27-Feb-04				7.0			2.0							4.0					8.0	
28-Feb-04																				
29-Feb-04																				
Vol. Recovered (L)	0.0	0.0	55.0	268.0	7.0	0.0	129.0	0.0	0.0	0.0	0.0	0.0	0.0	220.5	0.0	0.0	0.0	158.0	356.0	0.0
# of Days	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
Ave. Daily Recovery (L/day)	**0.0**	**0.0**	**1.9**	**9.2**	**0.2**	**0.0**	**4.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**7.6**	**0.0**	**0.0**	**0.0**	**5.4**	**12.3**	**0.0**

Total Cyanide (mg/L)

			< 0.002	0.149			< 0.002							0.014				< 0.002	0.010	

WAD Cyanide (mg/L)

			< 0.002	0.066			< 0.002							< 0.002				< 0.002	< 0.002	

* Station "E": 300 mm LDRS containment pipe for each cell.

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 5					CELL 6					CELL 7				
	5A	5B	5C	5D	5E*	6A	6B	6C	6D	6E*	7A	7B	7C	7D	7E*
1-Feb-04															
2-Feb-04	6.0	3.0		1.0											
3-Feb-04															
4-Feb-04	5.0	2.0		2.0											
5-Feb-04															
6-Feb-04	10.0	3.0		2.0											
7-Feb-04															
8-Feb-04															
9-Feb-04	9.0	4.0		1.0											
10-Feb-04															
11-Feb-04	4.0	2.0		1.0											
12-Feb-04															
13-Feb-04	2.0	2.0		1.0											
14-Feb-04															
15-Feb-04															
16-Feb-04	4.0	4.0		2.0											
17-Feb-04															
18-Feb-04	4.0	2.0		1.0											
19-Feb-04															
20-Feb-04	4.0	2.0		1.0											
21-Feb-04															
22-Feb-04															
23-Feb-04	8.0	4.0		2.0											
24-Feb-04															
25-Feb-04															
26-Feb-04	6.0	4.0		1.0											
27-Feb-04															
28-Feb-04															
29-Feb-04															
Vol. Recovered (L)	62.0	32.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# of Days	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
Ave. Daily Recovery (L/day)	**2.1**	**1.1**	**0.0**	**0.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Total Cyanide (mg/L)

	0.086	0.036		0.102											

WAD Cyanide (mg/L)

	< 0.002	0.008		0.010											

* Station "E": 300 mm LI

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 1					CELL 2					CELL 3					CELL 4				
	1A	1B	1C	1D	1E*	2A	2B	2C	2D	2E*	3A	3B	3C	3D	3E*	4A	4B	4C	4D	4E*
1-Mar-04			3.0	17.0			6.0							12.0					20.0	
2-Mar-04																				
3-Mar-04																				
4-Mar-04																				
5-Mar-04			6.0	30.0			9.0											0.5	45.0	
6-Mar-04																				
7-Mar-04																				
8-Mar-04			4.0	20.0			6.0											1.0	28.0	
9-Mar-04																				
10-Mar-04			1.0	13.0			6.0							12.0				1.0	17.0	
11-Mar-04																				
12-Mar-04			1.0	14.0			4.0							32.0					15.0	
13-Mar-04																				
14-Mar-04																				
15-Mar-04			2.0	18.0			6.0							12.0				1.0	28.0	
16-Mar-04																				
17-Mar-04																				
18-Mar-04			2.0	18.0			6.0							11.0					26.0	
19-Mar-04																				
20-Mar-04																				
21-Mar-04																				
22-Mar-04			2.0	18.0			6.5							11.0					29.0	
23-Mar-04																				
24-Mar-04																				
25-Mar-04			4.0	19.0			6.0							12.0					33.0	
26-Mar-04																				
27-Mar-04																				
28-Mar-04																				
29-Mar-04																				
30-Mar-04			6.0	31.0			8.5							16.5				1.0	46.0	
31-Mar-04																				
Vol. Recovered (L)	0.0	0.0	31.0	198.0	0.0	0.0	64.0	0.0	0.0	0.0	0.0	0.0	0.0	118.5	0.0	0.0	0.0	4.5	287.0	0.0
# of Days	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Ave. Daily Recovery (L/day)	**0.0**	**0.0**	**1.0**	**6.4**	**0.0**	**0.0**	**2.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**3.8**	**0.0**	**0.0**	**0.0**	**0.1**	**9.3**	**0.0**

Total Cyanide (mg/L)

WAD Cyanide (mg/L)

* Station "E": 300 mm LDRS containment pipe for each cell.

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 5					CELL 6					CELL 7				
	5A	5B	5C	5D	5E*	6A	6B	6C	6D	6E*	7A	7B	7C	7D	7E*
1-Mar-04	4.0	5.0													
2-Mar-04															
3-Mar-04															
4-Mar-04															
5-Mar-04	2.0	5.0		1.5						1.0					
6-Mar-04															
7-Mar-04															
8-Mar-04	9.0	4.0		1.0											
9-Mar-04															
10-Mar-04	5.0	2.0		1.0											
11-Mar-04															
12-Mar-04	3.0	2.0		1.0											
13-Mar-04															
14-Mar-04															
15-Mar-04	1.5	5.0		0.5											
16-Mar-04															
17-Mar-04															
18-Mar-04	2.0	4.0		0.5											
19-Mar-04															
20-Mar-04															
21-Mar-04															
22-Mar-04	2.0	4.0		0.5											
23-Mar-04															
24-Mar-04															
25-Mar-04	1.5	4.0		0.5											
26-Mar-04															
27-Mar-04															
28-Mar-04															
29-Mar-04															
30-Mar-04	6.5	6.5		2.0						1.0					
31-Mar-04															
Vol. Recovered (L)	36.5	41.5	0.0	8.5	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
# of Days	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Ave. Daily Recovery (L/day)	**1.2**	**1.3**	**0.0**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Total Cyanide (mg/L)

WAD Cyanide (mg/L)

* Station "E": 300 mm LI

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 1					CELL 2					CELL 3					CELL 4				
	1A	1B	1C	1D	1E*	2A	2B	2C	2D	2E*	3A	3B	3C	3D	3E*	4A	4B	4C	4D	4E*
1-Apr-04																				
2-Apr-04			2.0	13.0			4.0							9.0				1.0	18.0	
3-Apr-04																				
4-Apr-04																				
5-Apr-04			1.5	14.0			5.0							9.0					25.0	
6-Apr-04																				
7-Apr-04																				
8-Apr-04			1.0	13.0			4.0							9.0				1.0	22.0	
9-Apr-04																				
10-Apr-04																				
11-Apr-04																				
12-Apr-04			2.0	15.0			6.0							11.0					28.0	
13-Apr-04																				
14-Apr-04																				
15-Apr-04			2.0	12.0			5.0							8.0					3.0	
16-Apr-04																				
17-Apr-04																				
18-Apr-04			2.0	16.0			5.0							8.0					26.0	
19-Apr-04																				
20-Apr-04			1.0	8.0			2.0							4.0					18.0	
21-Apr-04																				
22-Apr-04																				
23-Apr-04																				
24-Apr-04																				
25-Apr-04																				
26-Apr-04			4.0	27.0			8.0							15.0					44.0	
27-Apr-04																				
28-Apr-04			0.5	8.0	6.0		2.0							6.0					12.0	
29-Apr-04																				
30-Apr-04																				
Vol. Recovered (L)	0.0	0.0	16.0	126.0	6.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	0.0	0.0	0.0	2.0	196.0	0.0
# of Days	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Ave. Daily Recovery (L/day)	**0.0**	**0.0**	**0.5**	**4.2**	**0.2**	**0.0**	**1.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.6**	**0.0**	**0.0**	**0.0**	**0.1**	**6.5**	**0.0**

Total Cyanide (mg/L)

WAD Cyanide (mg/L)

* Station "E": 300 mm LDRS containment pipe for each cell.

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 5					CELL 6					CELL 7				
	5A	5B	5C	5D	5E*	6A	6B	6C	6D	6E*	7A	7B	7C	7D	7E*
1-Apr-04															
2-Apr-04	6.0	3.0		1.0											
3-Apr-04															
4-Apr-04															
5-Apr-04	3.0	3.0		1.0											
6-Apr-04															
7-Apr-04															
8-Apr-04	1.0	2.0		1.0											
9-Apr-04															
10-Apr-04															
11-Apr-04															
12-Apr-04	1.0	4.0		1.0											
13-Apr-04															
14-Apr-04															
15-Apr-04	0.2	3.0		0.5											
16-Apr-04															
17-Apr-04															
18-Apr-04	0.5	4.0	0.5												
19-Apr-04															
20-Apr-04		1.5	0.2												
21-Apr-04															
22-Apr-04															
23-Apr-04															
24-Apr-04															
25-Apr-04															
26-Apr-04	2.0	6.0		1.0											
27-Apr-04															
28-Apr-04	0.5	2.0		0.5				1.0							
29-Apr-04															
30-Apr-04															
Vol. Recovered (L)	14.2	28.5	0.7	6.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# of Days	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Ave. Daily Recovery (L/day)	0.5	1.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Total Cyanide (mg/L)

WAD Cyanide (mg/L)

* Station "E": 300 mm LDI

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

	CELL 1					CELL 2					CELL 3					CELL 4				
	1A	1B	1C	1D	1E*	2A	2B	2C	2D	2E*	3A	3B	3C	3D	3E*	4A	4B	4C	4D	4E*
1-May-04																				
2-May-04																				
3-May-04	1.0		0.5	2.0	1.5		1.8							5.0					8.0	
4-May-04																				
5-May-04																				
6-May-04																				
7-May-04			0.5	6.5	6.0		3.5							9.0					22.0	
8-May-04																				
9-May-04																				
10-May-04			1.0	5.0	2.5		2.0							7.0					15.0	
11-May-04																				
12-May-04				3.0	2.0		1.0							5.0					10.0	
13-May-04																				
14-May-04			0.3	2.0	2.0		1.0							4.0				0.3	10.0	
15-May-04																				
16-May-04																				
17-May-04			0.5	6.0	3.5		2.0							6.0				0.1	20.0	
18-May-04																				
19-May-04																				
20-May-04																				
21-May-04																				
22-May-04																				
23-May-04																				
24-May-04																				
25-May-04																				
26-May-04																				
27-May-04																				
28-May-04																				
29-May-04																				
30-May-04																				
31-May-04																				
Vol. Recovered (L)	1.0	0.0	2.8	24.5	17.5	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.4	85.0	0.0
# of Days	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Ave. Daily Recovery (L/day)	**0.0**	**0.0**	**0.1**	**0.8**	**0.6**	**0.0**	**0.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.2**	**0.0**	**0.0**	**0.0**	**0.0**	**2.7**	**0.0**

Total Cyanide (mg/L)

WAD Cyanide (mg/L)

* Station "E": 300 mm LDRS containment pipe for each cell.

VICEROY MINERALS CORPORATION

Brewery Creek Mine

Monitoring Pursuant to Water License QZ96-007

Leach Pad LDRS (litres/day)

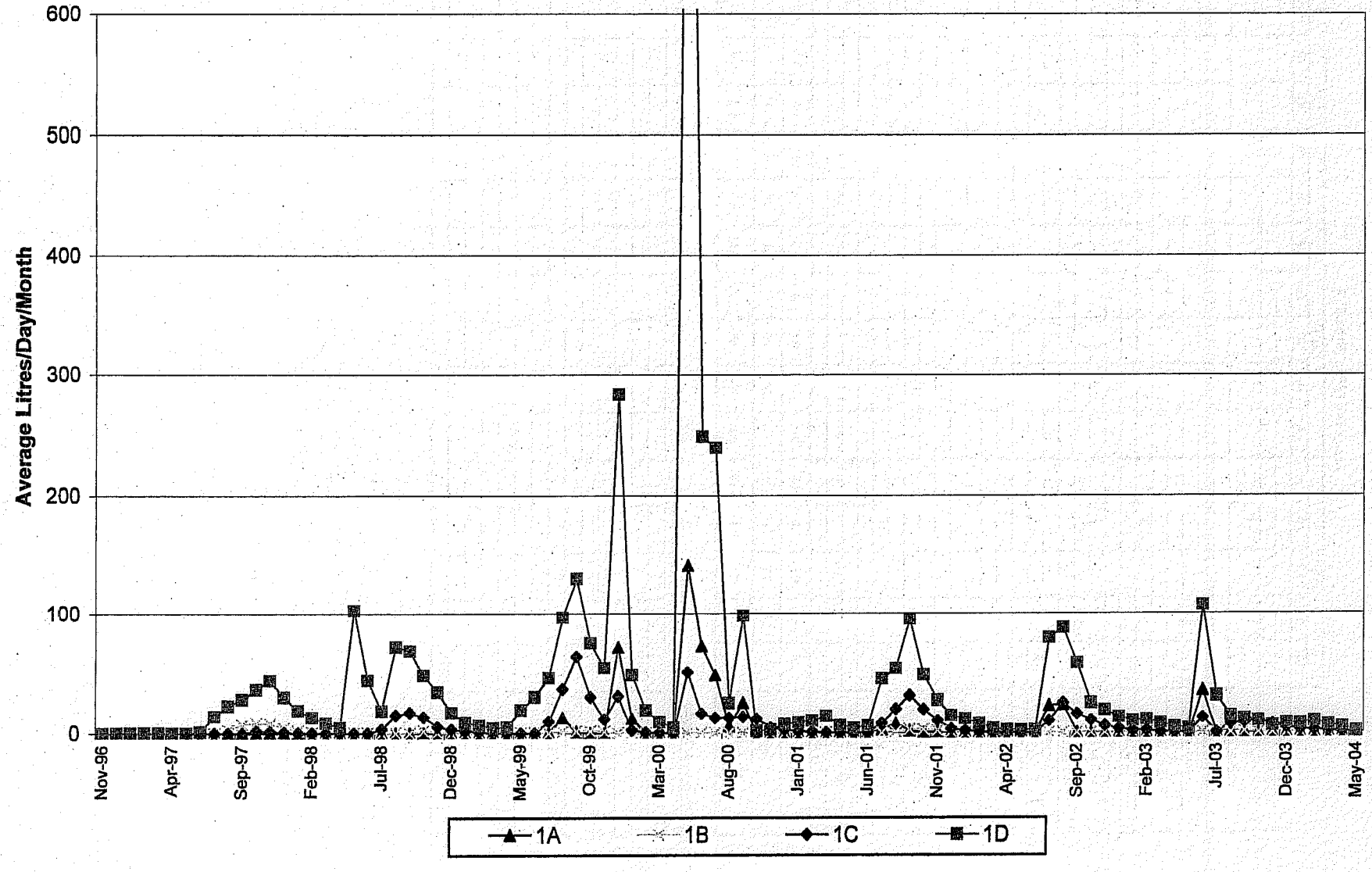
	CELL 5					CELL 6					CELL 7				
	5A	5B	5C	5D	5E*	6A	6B	6C	6D	6E*	7A	7B	7C	7D	7E*
1-May-04															
2-May-04															
3-May-04		1.5		0.1											
4-May-04															
5-May-04															
6-May-04															
7-May-04		3.0													
8-May-04															
9-May-04															
10-May-04		2.5		0.5											
11-May-04															
12-May-04		2.4													
13-May-04															
14-May-04	0.3	2.0		0.5				0.3							
15-May-04															
16-May-04															
17-May-04	0.2	2.5		0.5											
18-May-04															
19-May-04															
20-May-04															
21-May-04															
22-May-04															
23-May-04															
24-May-04															
25-May-04															
26-May-04															
27-May-04															
28-May-04															
29-May-04															
30-May-04															
31-May-04															
Vol. Recovered (L)	0.5	13.9	0.0	1.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# of Days	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Ave. Daily Recovery (L/day)	**0.0**	**0.4**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Total Cyanide (mg/L)

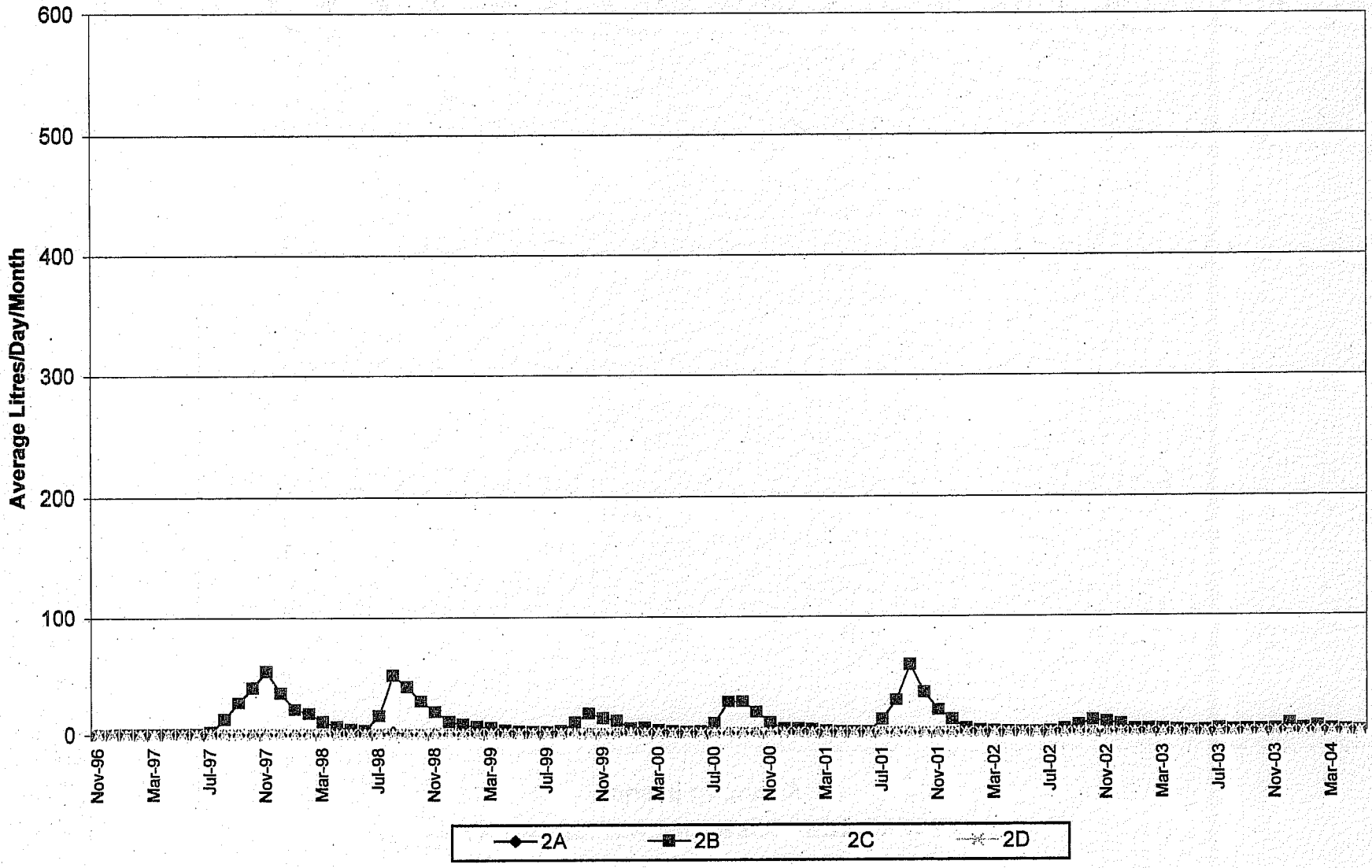
WAD Cyanide (mg/L)

* Station "E": 300 mm LDF

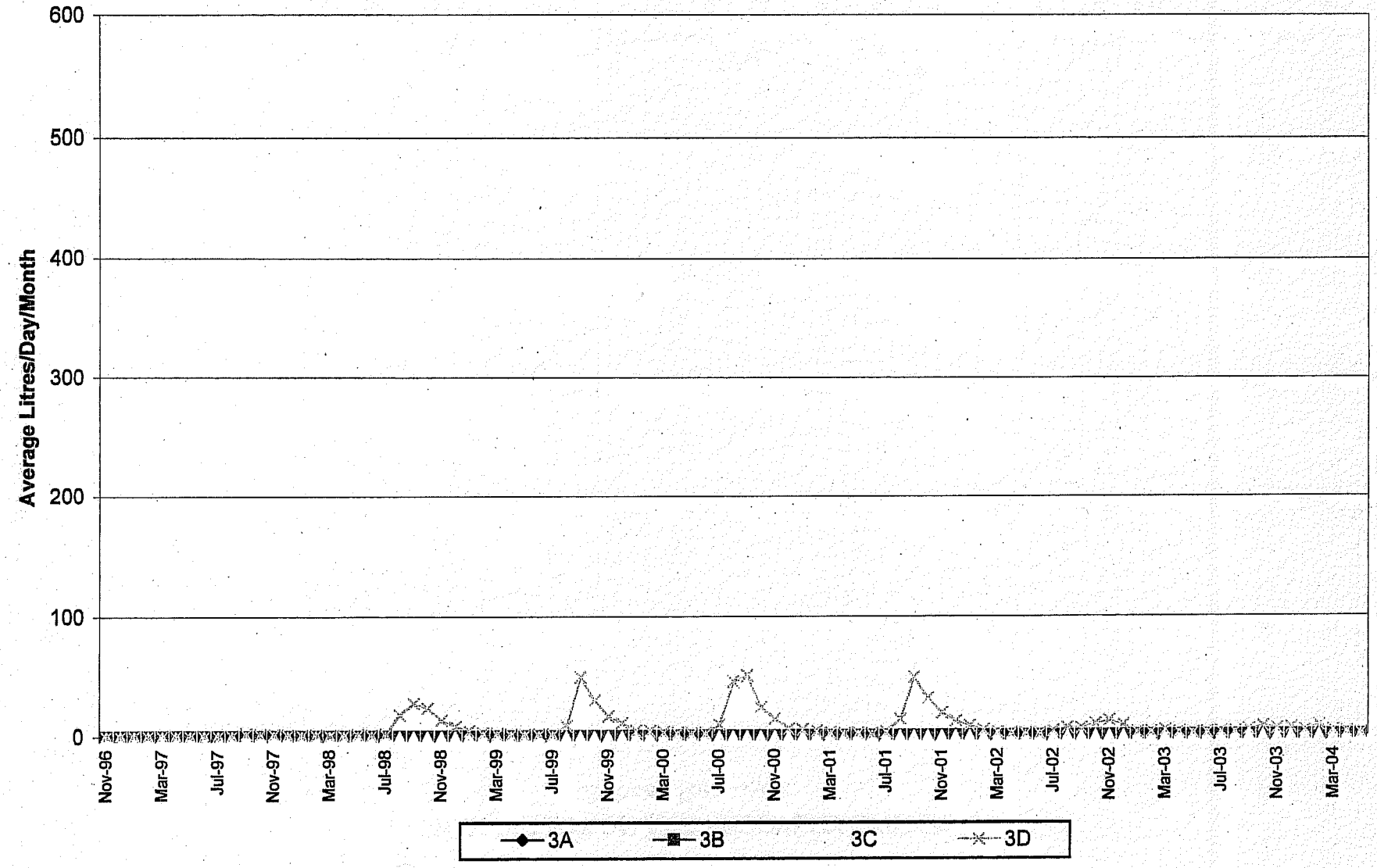
LEAK DETECTION AND RECOVERY SYSTEM
Subcell Recovery



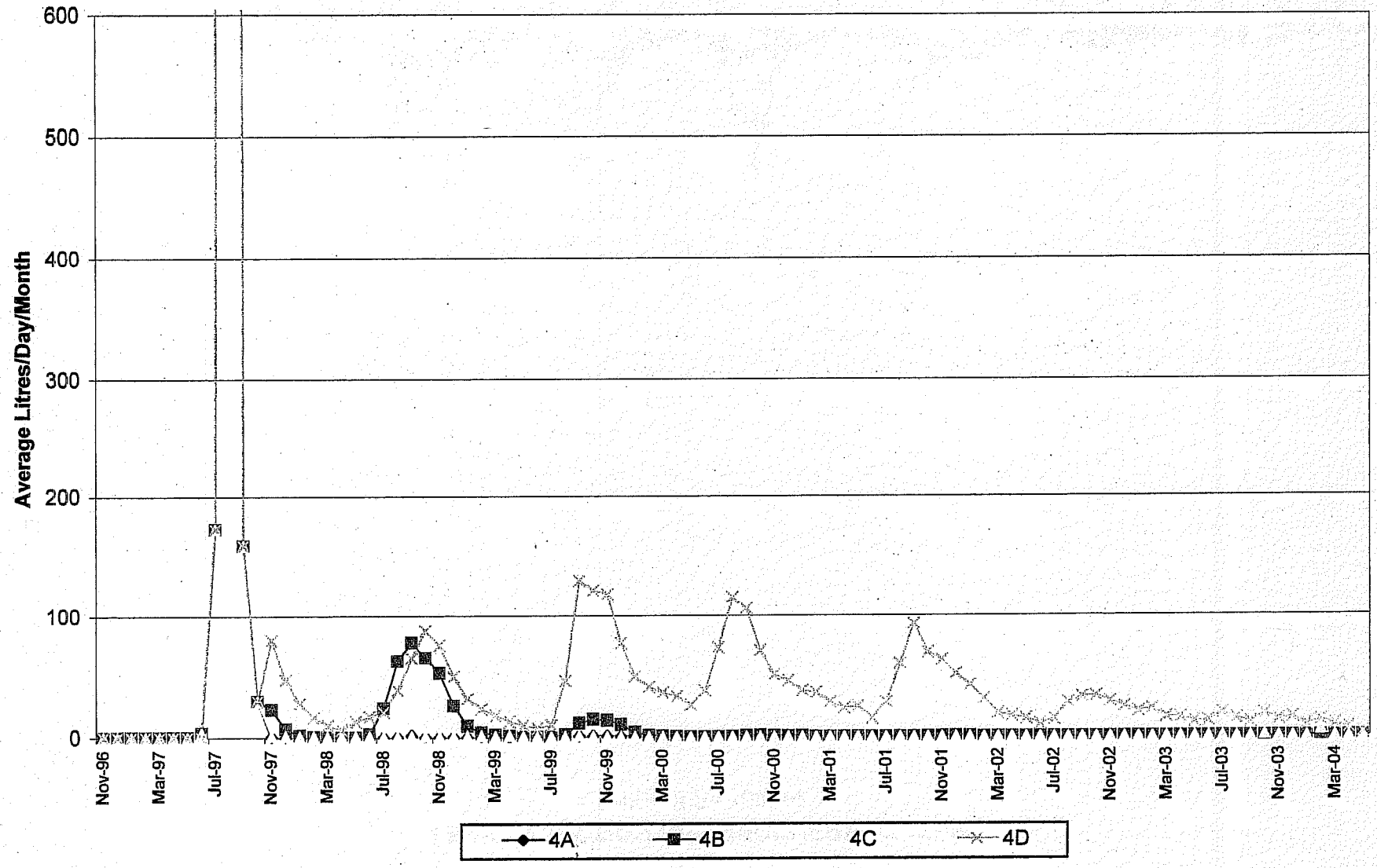
LEAK DETECTION AND RECOVERY SYSTEM
Subcell Recovery



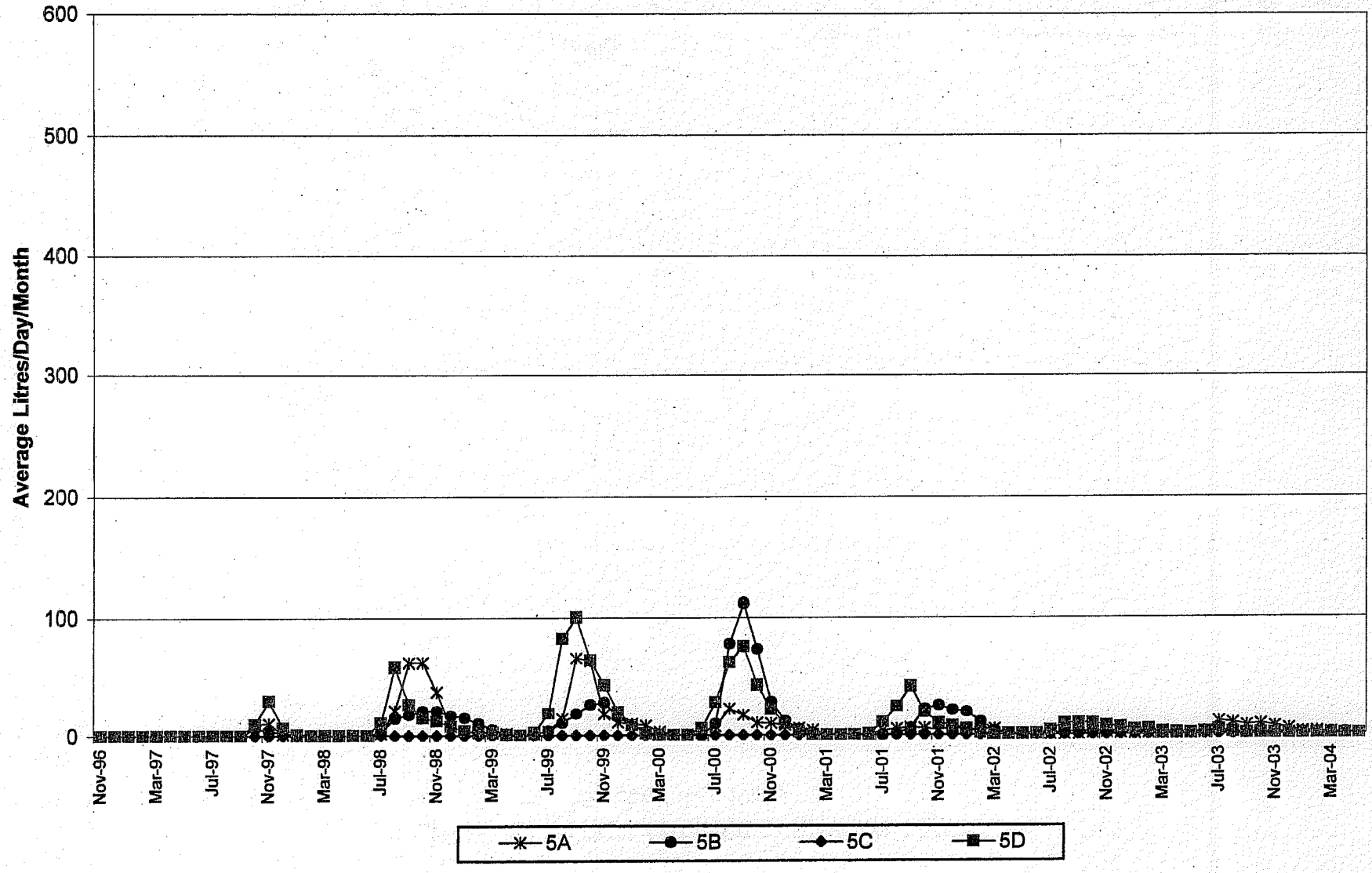
LEAK DETECTION AND RECOVERY SYSTEM
Subcell Recovery



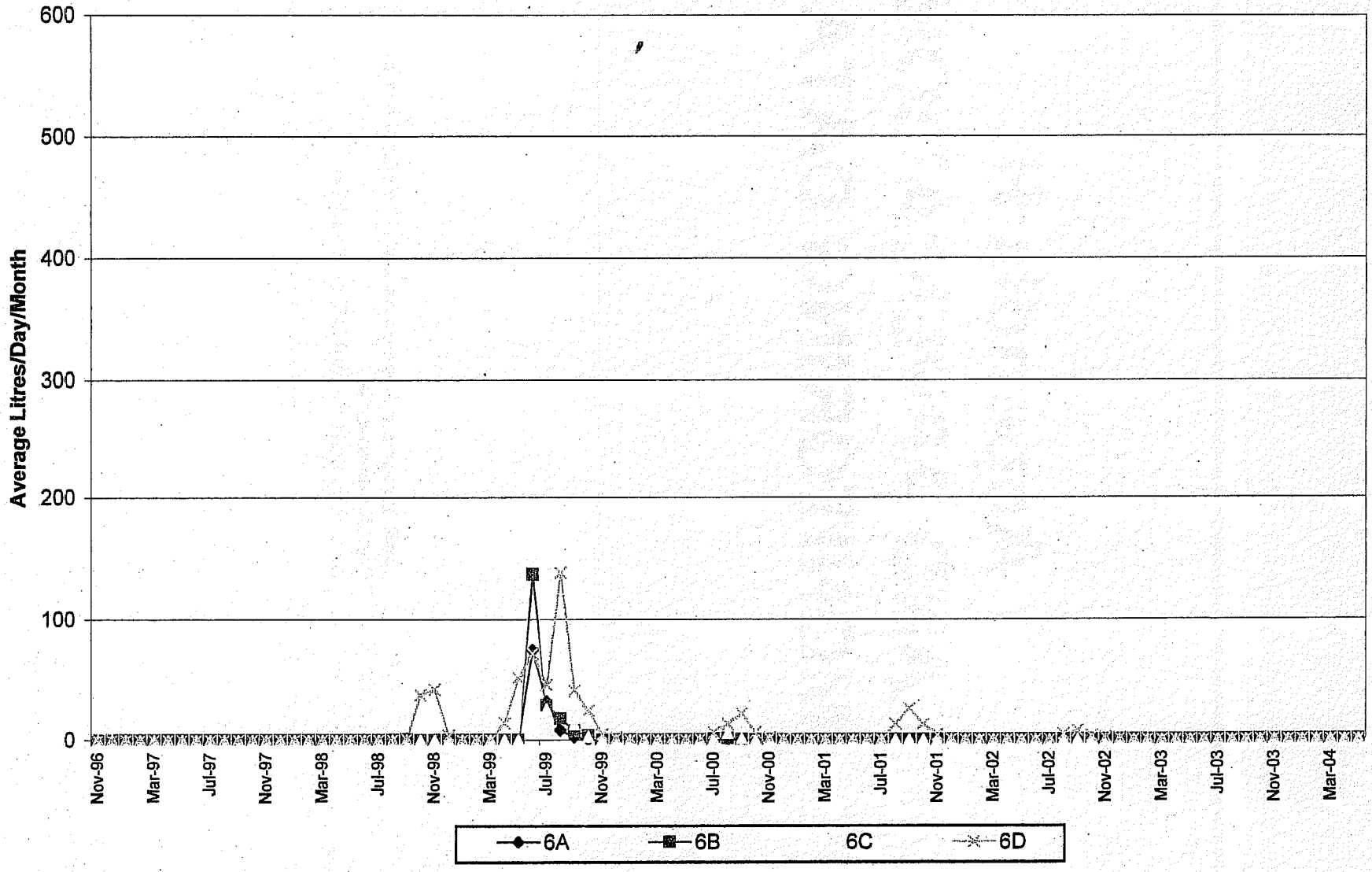
LEAK DETECTION AND RECOVERY SYSTEM
Subcell Recovery



LEAK DETECTION AND RECOVERY SYSTEM
Subcell Recovery



LEAK DETECTION AND RECOVERY SYSTEM
Subcell Recovery



Appendix H
LAND APPLICATION MONITORING DATA

- **H-1** Land Application Solution Analysis Feed/Lysimeters
- **H-3** Soil Metals Analysis
- **H-4** Heap Waterbalance and Infiltration Model

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Land Application Stations

File Reference	407310121	407310122	U7314-06	407310123	U7314-09	407310124
Station	L11D	L12D	L12D	L13D	L13D	L14M
Date Sampled	26-Jul-04	26-Jul-04	19-Aug-04	26-Jul-04	19-Aug-04	26-Jul-04
Flow						
pH (field)						
pH (lab)	-	8.01		6.45		6.38
Conductivity (field)						
Conductivity (lab)	-	1500		2170		1700
Temperature (field)						
Hardness	-	124		553		578
Alkalinity	-	178		12		11
Total Dissolved Solids	-	985		1530		1390
Total Suspended Solids	-	< 1		94		5
Chloride	-	16.0		26.8		29.4
Sulfate	-	125		92.7		19.3
Ammonia	-	3.470		2.190		0.049
Nitrate	-	98.1		206.0		196.000
Total Cyanide	6.570	0.240	<0.10	0.399	0.068	0.426
WAD Cyanide	5.270	0.158	0.042	0.323	0.090	0.365
	TM	TM		TM		TM
Aluminum	0.031	0.220		0.640		0.130
Antimony	< 0.001	0.001		0.001		< 0.001
Arsenic	0.0030	0.0060		0.0040		0.0010
Barium	0.0420	0.0550		0.1800		2.3000
Berylium	< 0.001	< 0.001		< 0.001		< 0.001
Bismuth	< 0.001	< 0.001		< 0.001		< 0.001
Boron	< 0.05	< 0.05		< 0.05		< 0.05
Cadmium	< 0.0002	< 0.0002		0.0018		0.0006
Calcium	96.5	27.8		187.0		205.0
Chromium	< 0.001	< 0.001		0.0010		< 0.001
Cobalt	0.6500	0.3300		0.7500		0.6800
Copper	0.0020	0.0030		0.0030		0.0040
Iron	0.130	0.340		0.580		0.160
Lead	< 0.001	< 0.001		< 0.001		< 0.001
Lithium	0.1	0.1		0.0		0.0
Magnesium	29.0	10.3		52.1		55.0
Manganese	0.007	0.006		0.910		0.064
Mercury	< 0.00002	< 0.00002		< 0.00002		< 0.00002
Molybdenum	0.0028	0.0120		< 0.0005		< 0.0005
Nickel	0.0080	0.0040		0.0390		0.0380
Phosphorus	< 0.15	0.6		0.3		< 0.15
Potassium	4.2	3.1		6.4		1.5
Selenium	0.0820	0.0230		0.0990		0.0270
Silicon	23.70	17.40		19.90		27.10
Silver	< 0.00025	< 0.00025		< 0.00025		< 0.00025
Sodium	407.0	310.0		260.0		59.3
Strontium	0.490	0.160		0.800		1.150
Sulphur	74.6	65.8		91.4		6.6
Thallium	< 0.0001	< 0.0001		< 0.0001		< 0.0001
Tin	< 0.001	< 0.001		< 0.001		< 0.001
Titanium	0.0	0.0		0.0		0.0
Uranium	0.0051	0.0280		< 0.0005		< 0.0005
Vanadium	0.004	0.006		0.002		0.003
Zinc	0.023	0.020		0.068		0.032

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Land Application Stations

File Reference	407310114	408070058	U7314-05	407310116	408070060	407310115	408070059
Station	L4D	L4D	L4D	L5M	L5M	L5S	L5S
Date Sampled	26-Jul-04	3-Aug-04	19-Aug-04	26-Jul-04	3-Aug-04	26-Jul-04	3-Aug-04
Flow							
pH (field)							
pH (lab)	-	7.52		-	-	-	7.08
Conductivity (field)							
Conductivity (lab)	-	2070		-	-	-	1450
Temperature (field)							
Hardness	-	459		-	-	-	287
Alkalinity	-	53		-	-	-	25
Total Dissolved Solids	-	1460		-	-	-	1070
Total Suspended Solids	-	< 1		-	-	-	< 1
Chloride	-	23.3		-	-	-	< 0.2
Sulfate	-	18.6		-	-	-	< 0.5
Ammonia	-	0.121		-	0.039	-	< 0.005
Nitrate	-	192.000		-	-	-	< 0.005
Total Cyanide	6.410	-	<0.10	-	0.264	6.670	-
WAD Cyanide	4.430	-	0.084	-	0.074	4.140	-
	TM			TM		TM	
Aluminum	0.020	-		0.034	-	0.026	-
Antimony	< 0.001	-		< 0.001	-	< 0.001	-
Arsenic	0.0020	-		0.0010	-	0.0010	-
Barium	0.3400	-		0.1400	-	2.0500	-
Berylium	< 0.001	-		< 0.001	-	< 0.001	-
Bismuth	< 0.001	-		< 0.001	-	< 0.001	-
Boron	< 0.05	-		< 0.05	-	< 0.05	-
Cadmium	< 0.0002	-		< 0.0002	-	< 0.0002	-
Calcium	113.0	-		63.9	-	95.0	-
Chromium	< 0.001	-		< 0.001	-	< 0.001	-
Cobalt	0.5400	-		0.4200	-	0.5300	-
Copper	0.0030	-		0.0030	-	0.0020	-
Iron	0.100	-		0.110	-	0.080	-
Lead	< 0.001	-		< 0.001	-	< 0.001	-
Lithium	0.0	-		0.0	-	0.0	-
Magnesium	40.3	-		20.3	-	28.8	-
Manganese	0.010	-		0.016	-	0.013	-
Mercury	< 0.00002	-		< 0.0002	-	< 0.00002	-
Molybdenum	0.0023	-		0.0033	-	0.0013	-
Nickel	0.0110	-		0.0100	-	0.0250	-
Phosphorus	< 0.15	-		< 0.15	-	< 0.15	-
Potassium	5.1	-		2.6	-	1.0	-
Selenium	0.0070	-		< 0.001	-	< 0.001	-
Silicon	17.70	-		24.60	-	24.80	-
Silver	< 0.00025	-		< 0.00025	-	< 0.00025	-
Sodium	172.0	-		162.0	-	84.5	-
Strontium	0.700	-		0.350	-	0.690	-
Sulphur	8.4	-		16.0	-	4.6	-
Thallium	< 0.0001	-		< 0.0001	-	< 0.0001	-
Tin	< 0.001	-		< 0.001	-	< 0.001	-
Titanium	0.0	-		0.0	-	0.0	-
Uranium	0.0038	-		0.0035	-	0.0008	-
Vanadium	0.006	-		0.017	-	0.006	-
Zinc	0.023	-		0.013	-	0.011	-

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Land Application Stations

File Reference	U7314-08	407310117	U7314-10	407310119	408070061	U7314-07	407310118	407310120
Station	L5S	L6D	L6D	L7M	L7M	L7M	L7S	L8M
Date Sampled	19-Aug-04	26-Jul-04	19-Aug-04	26-Jul-04	3-Aug-04	19-Aug-04	26-Jul-04	26-Jul-04
Flow								
pH (field)								
pH (lab)		7.04		-	7.17		-	6.77
Conductivity (field)								
Conductivity (lab)		1880		-	3170		-	720
Temperature (field)								
Hardness		340		-	415		-	171
Alkalinity		79		-	33		-	24
Total Dissolved Solids		1350		-	2200		-	472
Total Suspended Solids		360		-	2		-	4
Chloride		22.7		-	30.6		-	8.8
Sulfate		60.4		-	370		-	31.6
Ammonia		0.227		-	< 0.005		-	0.005
Nitrate		164.0		-	246.000		-	62.0
Total Cyanide	0.288	6.250	<0.10	6.770	-	0.180	-	4.170
WAD Cyanide	0.038	5.340	0.047	5.630	-	0.088	-	2.610
		TM		TM			TM	TM
Aluminum		0.440		0.120	-		0.048	0.110
Antimony		0.002		0.001	-		0.001	0.001
Arsenic		0.0020		0.0040	-		0.0040	0.0030
Barium		0.3500		0.0450	-		0.0570	0.2800
Berylium		< 0.001		< 0.001	-		< 0.001	< 0.001
Bismuth		< 0.001		< 0.001	-		< 0.001	< 0.001
Boron		< 0.05		< 0.05	-		< 0.05	< 0.05
Cadmium		0.0013		< 0.0002	-		< 0.0002	< 0.0002
Calcium		123.0		101.0	-		74.1	55.2
Chromium		0.0010		0.0020	-		< 0.001	< 0.001
Cobalt		0.6200		0.6100	-		0.4200	0.2300
Copper		0.0050		0.0050	-		0.0040	0.0040
Iron		0.620		0.250	-		0.150	0.190
Lead		< 0.001		0.0020	-		< 0.001	0.0010
Lithium		0.0		0.0	-		0.0	0.0
Magnesium		37.8		33.0	-		23.9	16.3
Manganese		0.300		0.042	-		0.016	0.017
Mercury		< 0.00002		0.00013	-		< 0.00002	0.00002
Molybdenum		0.0007		0.0011	-		0.0018	< 0.0005
Nickel		0.0280		0.0200	-		0.0100	0.0190
Phosphorus		0.3		< 0.15	-		< 0.15	< 0.15
Potassium		3.8		2.3	-		1.9	1.3
Selenium		0.0420		0.0920	-		0.1100	0.0120
Silicon		23.80		17.10	-		23.70	21.70
Silver		< 0.00025		< 0.00025	-		< 0.00025	< 0.00025
Sodium		187.0		497.0	-		382.0	35.5
Strontium		0.570		0.330	-		0.240	0.350
Sulphur		36.0		125.0	-		151.0	11.8
Thallium		< 0.0001		< 0.0001	-		< 0.0001	< 0.0001
Tin		< 0.001		< 0.001	-		< 0.001	< 0.001
Titanium		0.0		0.0	-		0.0	0.0
Uranium		0.0026		0.0019	-		0.0022	< 0.0005
Vanadium		0.003		0.006	-		0.015	0.003
Zinc		0.037		0.015	-		0.015	0.018

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Land Application Metals in Soils

Actlabs Ultratrace 2 Job #: A04-3305 **Report#: A04-3305** **Client: Viceroy Mineral** **Contact: B Thrall**

Trace Element Values Are In Parts Per Million unless otherwise indicated. Negative Values Equal Not Detected at That Lower Limit.
Values = 999999 are greater than working range of instrument.

Sample ID:	Li	Be	B	Na%	Mg%	Al%	P%	S%	K%	Ca%	Sc	Ti%	V	Cr	Mn	Fe%	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr	Nb	Mo
SSP # 1 0.00-0n08 m	4.3	0.7	-1	0.035	0.15	0.83	0.113	0.060	0.06	0.62	-0.1	-0.01	27	14.4	135	1.17	8.5	20.2	25.3	38.9	2.56	-0.1	7.8	2.2	10.6	52.0	4.62	0.7	0.3	3.15
SSP # 1 0.00-0n08 m Rep	3.5	0.7	-1	0.032	0.13	0.72	0.127	0.058	0.05	0.59	-0.1	-0.01	23	13.2	128	1.11	8.4	19.9	24.6	34.9	2.49	-0.1	8.0	2.0	8.4	50.9	4.31	0.3	0.2	3.17
SSP # 1 0.08-0n40 m	9.6	0.5	-1	0.012	0.28	0.89	0.019	0.022	0.03	0.11	0.7	0.01	35	18.5	156	1.69	6.4	16.7	15.1	49.4	2.52	-0.1	16.0	-0.1	6.2	20.4	2.33	0.2	0.6	1.17
SSP # 2 0.00-0.07 m	7.5	0.9	-1	0.005	0.37	1.04	0.054	0.031	0.06	0.26	0.3	0.01	43	23.2	334	2.00	10.4	34.2	33.9	88.8	3.32	-0.1	17.5	0.2	10.2	38.1	8.33	0.7	0.7	1.06
SSP # 2 0.07-0.17 m	14.0	0.6	-1	0.013	0.48	1.48	0.030	0.021	0.13	0.20	3.0	0.09	53	30.4	215	2.13	7.8	21.8	19.9	83.5	4.19	-0.1	12.1	0.1	23.0	26.9	5.50	2.4	1.2	0.98
SSP # 2 0.17-0n30 m	17.2	0.7	-1	0.017	0.49	1.32	0.019	0.007	0.11	0.24	3.8	0.10	51	27.4	178	2.15	6.6	23.0	21.7	68.5	4.25	-0.1	8.7	0.2	18.3	26.2	9.67	12.6	0.6	0.84
SSP # 3 0.00-0.08 m	1.6	0.2	-1	0.041	0.10	0.57	0.056	0.065	0.07	0.97	-0.1	-0.01	24	11.7	312	0.71	6.5	21.1	16.3	49.0	1.74	-0.1	7.3	3.9	5.9	64.7	1.59	1.2	0.4	7.82
SSP # 3 0.08-0.12 m	4.6	0.2	-1	0.031	0.19	1.03	0.021	0.034	0.09	0.19	0.9	0.05	45	17.4	107	1.17	3.2	8.6	8.31	36.5	3.27	-0.1	7.4	0.3	14.6	21.9	2.89	0.3	0.5	1.33
SSP # 3 0.12-0.35 m	12.7	0.4	-1	0.018	0.37	1.57	0.014	0.030	0.11	0.15	2.2	0.07	49	27.0	152	1.99	6.8	20.0	21.0	58.8	2.65	-0.1	7.8	0.3	18.3	22.3	3.11	3.3	0.9	1.25
SSP # 3 0.35-0.50 m	13.4	1.4	-1	0.029	0.56	2.15	0.025	0.060	0.30	0.16	4.3	0.07	64	42.8	184	3.19	10.5	38.2	40.3	157	6.05	-0.1	14.6	1.2	35.2	39.6	5.56	10.8	0.5	2.09
SSP # 4 0.00-0.09 m	5.7	0.3	-1	0.013	0.20	1.02	0.038	0.028	0.08	0.14	1.3	0.04	37	17.7	99	1.31	4.2	15.4	16.8	37.8	4.14	-0.1	3.8	-0.1	8.1	21.8	3.98	0.8	0.8	1.00
SSP # 4 0.09-0.17 m	19.4	0.4	-1	0.011	0.45	1.79	0.015	0.008	0.09	0.15	3.1	0.07	60	31.4	167	2.75	7.3	24.6	18.8	57.7	4.97	-0.1	12.6	0.2	14.1	17.9	4.00	4.5	1.3	1.07
SSP # 4 0.17-0.38 m	15.1	0.6	-1	0.012	0.45	1.07	0.027	0.024	0.09	0.21	3.5	0.06	48	27.4	215	2.57	9.5	39.9	28.0	64.5	3.26	-0.1	9.3	0.3	10.6	27.5	7.56	7.3	0.7	1.08
SSP # 5 0.00-011 m	4.9	0.5	-1	0.049	0.21	0.94	0.054	0.065	0.07	0.60	-0.1	-0.01	32	16.9	116	1.35	7.7	21.2	29.8	45.9	2.13	-0.1	6.4	2.3	9.6	60.1	5.38	0.7	0.3	3.02
SSP # 5 0.11-0.32 m	9.8	0.3	-1	0.014	0.37	0.89	0.025	0.020	0.04	0.17	1.9	0.02	37	21.7	120	1.66	4.7	14.3	15.0	46.8	3.54	-0.1	10.8	0.6	4.2	16.5	3.59	4.7	0.5	0.88
SSP # 6 0.00-0.04 m	10.1	0.6	-1	0.018	0.33	1.02	0.040	0.028	0.11	0.31	2.2	0.05	40	21.0	346	1.80	14.1	22.9	23.4	76.9	1.53	-0.1	16.3	0.5	11.7	29.3	7.95	1.5	0.8	1.29
SSP # 6 0.04-0.15 m	12.7	0.8	-1	0.026	0.38	1.53	0.042	0.026	0.14	0.35	3.8	0.08	52	26.6	184	2.12	7.2	26.3	26.9	69.6	1.79	-0.1	12.5	0.4	17.6	37.0	9.59	1.7	1.0	1.09
SSP # 6 0.15-0.34 m	13.1	0.7	-1	0.027	0.41	1.55	0.043	0.032	0.14	0.35	4.0	0.08	49	26.6	193	2.28	7.8	28.2	25.8	64.9	1.21	-0.1	12.2	0.4	17.9	38.8	9.51	1.5	0.9	1.11
SSP # 7 0.00-0.12 m	10.9	1.2	-1	0.066	0.35	2.26	0.085	0.108	0.20	0.59	2.7	0.02	58	32.4	166	2.52	12.7	33.0	45.7	74.6	6.13	-0.1	5.6	2.5	24.8	66.9	11.6	0.7	1.2	4.44
SSP # 7 0.12-0.37 m	12.5	0.4	-1	0.025	0.36	1.33	0.024	0.021	0.13	0.22	2.5	0.08	44	23.7	137	1.88	4.7	17.0	12.6	53.0	2.88	-0.1	8.2	-0.1	17.6	28.4	6.07	5.7	0.8	0.84
SSP # 8 0.00-0.22 m	8.0	0.8	-1	0.040	0.25	1.68	0.104	0.115	0.17	0.56	0.5	-0.01	30	22.0	163	1.61	9.1	28.9	29.2	64.6	3.26	-0.1	19.0	0.6	18.6	53.2	13.2	1.1	0.7	1.64
SSP # 8 0.22-0.40 m	12.2	0.4	-1	0.017	0.35	1.62	0.031	0.025	0.17	0.23	2.8	0.06	40	23.6	141	1.98	5.0	18.3	16.8	55.3	2.84	-0.1	8.6	-0.1	20.4	26.6	5.01	1.7	1.0	0.93
Overall Average	10.1	0.8	-1.0	0.0	0.3	1.3	0.0	0.0	0.1	0.3	2.0	0.0	42.6	23.6	179.3	1.9	7.8	23.4	23.8	62.6	3.2	-0.1	10.6	0.8	14.7	35.8	6.2	2.9	0.7	1.9
Standard Deviation	4.7	0.3	0.0	0.0	0.1	0.5	0.0	0.0	0.1	0.2	1.5	0.0	11.3	7.3	69.5	0.8	2.7	7.8	8.8	26.0	1.3	0.0	4.1	1.1	7.3	15.5	3.1	3.4	0.3	1.6
Control Material GXR-6	24.7	0.8	-1	0.036	0.33	6.17	0.028	0.110	0.98	0.12	20.1	0.11	154	71.2	986	4.80	13.2	27.2	65.9	119	14.5	-0.1	274	0.2	63.0	27.0	6.47	9.1	-0.1	1.00
Control Material GXR-2	44.8	1.0	-1	0.071	0.42	2.66	0.039	0.051	0.55	0.61	3.6	0.05	37	20.9	917	1.57	8.1	19.2	74.4	508	9.51	-0.1	12.7	0.1	49.0	79.5	10.3	10.1	1.9	1.01
Control Material GXR-1	4.7	0.8	-1	0.024	0.12	0.27	0.031	-0.010	0.03	0.70	0.8	-0.01	68	6.2	816	19.2	7.2	41.0	881	675	1.87	0.8	370	5.6	2.1	133	25.4	7.4	-0.1	13.6
Control Material GXR-4	9.6	1.4	-1	0.063	1.59	2.38	0.093	0.139	1.54	0.76	5.9	0.14	78	52.5	143	2.87	14.4	46.5	5310	73.3	11.1	0.2	117	5.4	93.7	89.9	11.9	5.8	0.2	306
Cert Data GXR-6	**32.0**	**1.4**	**10**	**0.104**	**0.609**	**17.7**	**0.035**	**0.016**	**1.87**	**0.18**	**-**	**0.498**	**186**	**96**	**1,007**	**5.58**	**13.8**	**27**	**66**	**118**	**35**	**-**	**330**	**0.94**	**90**	**35**	**14**	**110**	**7.5**	**2.4**
Cert Data GXR-2	**54.0**	**1.7**	**42**	**0.556**	**0.850**	**16.5**	**0.105**	**0.031**	**1.37**	**0.93**	**-**	**0.3**	**52**	**36**	**1,007**	**1.86**	**8.6**	**21**	**78**	**530**	**37**	**-**	**25**	**0.61**	**78**	**160**	**17**	**269**	**11**	**2.1**
Cert Data GXR-1	**8.2**	**1.22**	**15**	**0.052**	**0.217**	**3.15**	**0.065**	**0.257**	**0.05**	**0.96**	**-**	**0.036**	**80**	**12**	**852**	**23.6**	**8.2**	**41**	**1,110**	**760**	**13.8**	**-**	**427**	**16.6**	**14**	**275**	**32**	**38**	**0.8**	**18**
Cert Data GXR-4	**11.1**	**1.9**	**4.5**	**0.564**	**1.658**	**7.20**	**0.120**	**1.77**	**4.01**	**1.01**	**-**	**0.29**	**87**	**64**	**155**	**3.09**	**14.6**	**42**	**6,520**	**73**	**20**	**-**	**98**	**5.6**	**160**	**221**	**14**	**186**	**10**	**310**

Viceroy Minerals Corporation
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Land Application Metals in Soils

Sample ID:	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au PPB	Tl	Pb	Bi	Th	U
SSP # 1 0.00-0n08 m	0.802	0.7	-0.02	-0.05	29.6	0.02	1.2	628	13.1	21.7	2.8	9.64	1.7	0.3	1.4	0.2	1.0	0.2	0.4	-0.1	0.2	-0.1	-0.1	-0.05	0.1	0.002	2760	0.08	16.1	0.21	-0.1	1.0
SSP # 1 0.00-0n08 m Rep	0.787	0.7	-0.02	-0.05	30.1	-0.02	0.9	585	11.1	19.1	2.4	8.14	1.5	0.3	1.3	0.2	0.9	0.2	0.4	-0.1	0.2	-0.1	-0.1	-0.05	0.1	0.001	2690	0.07	14.2	0.20	-0.1	1.0
SSP # 1 0.08-0n40 m	0.052	-0.1	-0.02	-0.05	4.16	0.03	0.6	449	10.4	18.3	2.2	7.16	1.2	0.2	0.9	0.1	0.5	-0.1	0.2	-0.1	0.2	-0.1	-0.1	-0.05	-0.1	-0.001	88.9	0.08	15.9	0.25	0.6	0.5
SSP # 2 0.00-0.07 m	0.965	1.3	0.02	-0.05	3.07	0.07	0.8	576	16.5	28.5	3.8	13.7	2.8	0.8	2.4	0.3	1.7	0.3	0.7	-0.1	0.5	-0.1	-0.1	-0.05	-0.1	-0.001	87.5	0.09	36.3	0.38	0.2	1.1
SSP # 2 0.07-0.17 m	0.247	0.2	0.02	0.06	2.50	0.04	2.2	368	21.5	33.6	5.0	17.8	3.1	0.5	2.3	0.3	1.3	0.2	0.5	-0.1	0.4	-0.1	-0.1	-0.05	-0.1	-0.001	-0.2	0.23	26.6	0.32	4.2	1.0
SSP # 2 0.17-0n30 m	0.144	-0.1	-0.02	-0.05	1.77	0.03	1.7	325	26.4	41.2	6.5	23.7	4.1	0.7	3.2	0.4	2.0	0.3	0.9	0.1	0.7	-0.1	0.2	-0.05	0.1	-0.001	-0.2	0.18	12.5	0.26	7.4	1.2
SSP # 3 0.00-0.08 m	0.722	2.2	-0.02	-0.05	33.1	0.02	0.6	800	9.2	16.0	2.2	7.48	1.2	0.2	0.8	-0.1	0.4	-0.1	0.1	-0.1	0.1	-0.1	-0.1	-0.05	-0.1	0.001	>10000	0.18	7.70	0.11	0.4	0.6
SSP # 3 0.08-0.12 m	0.059	0.4	-0.02	-0.05	2.60	-0.02	1.2	479	16.2	28.7	4.2	14.7	2.4	0.4	1.8	0.2	0.7	0.1	0.3	-0.1	0.2	-0.1	-0.1	-0.05	-0.1	-0.001	232	0.20	9.21	0.13	0.4	0.4
SSP # 3 0.12-0.35 m	0.048	0.4	0.02	-0.05	1.23	-0.02	1.5	784	14.0	22.9	3.4	12.1	2.0	0.3	1.4	0.2	0.7	0.1	0.3	-0.1	0.2	-0.1	-0.1	-0.05	-0.1	-0.001	-0.2	0.17	9.62	0.11	3.6	0.6
SSP # 3 0.35-0.50 m	0.015	1.0	0.03	0.10	4.61	0.05	4.1	174	30.0	42.9	6.0	20.4	3.4	0.8	2.3	0.3	1.3	0.2	0.5	-0.1	0.4	-0.1	-0.1	-0.05	-0.1	-0.001	-0.2	0.38	14.6	0.23	7.3	1.8
SSP # 4 0.00-0.09 m	0.090	0.3	-0.02	-0.05	0.82	-0.02	0.9	323	13.5	21.8	3.2	11.2	2.1	0.4	1.5	0.2	0.8	0.1	0.3	-0.1	0.3	-0.1	-0.1	-0.05	0.1	-0.001	-0.2	0.11	8.36	0.15	0.7	0.5
SSP # 4 0.09-0.17 m	0.025	0.1	0.02	-0.05	0.67	0.05	1.4	301	15.5	24.9	3.7	13.1	2.2	0.4	1.6	0.2	0.9	0.2	0.4	-0.1	0.3	-0.1	-0.1	-0.05	0.1	-0.001	-0.2	0.16	10.4	0.19	3.7	0.8
SSP # 4 0.17-0.38 m	0.110	-0.1	-0.02	-0.05	1.69	-0.02	1.4	329	19.1	29.6	4.6	16.9	3.2	0.6	2.7	0.3	1.6	0.3	0.7	-0.1	0.5	-0.1	-0.1	-0.05	-0.1	-0.001	188	0.12	14.8	0.22	4.4	0.9
SSP # 5 0.00-011 m	0.421	1.2	-0.02	-0.05	18.6	-0.02	0.7	111	9.4	15.3	2.3	8.48	1.7	0.3	1.5	0.2	1.0	0.2	0.4	-0.1	0.3	-0.1	-0.1	-0.05	-0.1	0.003	2470	0.07	12.7	0.17	0.3	0.9
SSP # 5 0.11-0.32 m	0.020	0.2	-0.02	-0.05	1.48	0.04	0.4	480	11.2	18.0	2.5	9.54	1.7	0.3	1.3	0.2	0.8	0.1	0.3	-0.1	0.2	-0.1	-0.1	-0.05	-0.1	-0.001	-0.2	0.04	10.8	0.13	2.8	0.5
SSP # 6 0.00-0.04 m	0.161	0.4	0.00	-0.05	3.35	0.04	1.0	513	19.2	30.7	4.7	16.6	3.1	0.6	2.6	0.3	1.6	0.3	0.7	0.0	0.6	-0.1	-0.1	-0.05	-0.1	-0.001	665	0.13	14.3	0.22	2.4	0.9
SSP # 6 0.04-0.15 m	0.124	0.3	0.02	-0.05	1.80	0.04	1.7	741	23.7	37.2	5.8	20.9	3.9	0.7	3.2	0.4	1.9	0.4	0.9	0.1	0.7	-0.1	-0.1	-0.05	-0.1	-0.001	-0.2	0.17	15.0	0.19	3.7	1.2
SSP # 6 0.15-0.34 m	0.140	0.3	0.02	-0.05	1.75	0.03	1.8	814	23.7	35.7	5.8	20.2	3.9	0.7	3.2	0.4	2.0	0.4	0.9	0.1	0.7	-0.1	-0.1	-0.05	-0.1	-0.001	-0.2	0.18	16.5	0.22	3.9	1.3
SSP # 7 0.00-0.12 m	0.936	0.6	0.04	-0.05	22.7	0.03	2.3	108	23.2	37.9	5.6	20.3	4.2	0.9	3.7	0.5	2.5	0.5	1.0	0.1	0.8	-0.1	-0.1	-0.05	0.1	0.004	2400	0.21	31.0	0.24	0.5	2.0
SSP # 7 0.12-0.37 m	0.105	-0.1	0.02	-0.05	3.21	0.03	1.7	421	23.1	36.1	5.5	19.2	3.3	0.5	2.3	0.3	1.3	0.2	0.5	-0.1	0.4	-0.1	-0.1	-0.05	-0.1	-0.001	-0.2	0.18	21.8	0.14	4.8	0.9
SSP # 8 0.00-0.22 m	0.604	1.6	0.02	-0.05	9.71	-0.02	2.4	102	15.5	24.6	4.2	16.4	3.8	0.9	3.7	0.5	2.5	0.5	1.2	0.1	0.9	0.1	-0.1	-0.05	-0.1	0.003	151	0.19	13.4	0.12	0.4	1.4
SSP # 8 0.22-0.40 m	0.166	0.2	0.02	-0.05	2.24	-0.02	2.1	641	20.7	31.8	4.8	16.7	2.9	0.5	2.2	0.2	1.2	0.2	0.5	-0.1	0.4	-0.1	-0.1	-0.05	0.1	-0.001	-0.2	0.20	17.3	0.16	3.8	0.8
Overall Average	0.3	0.5	0.0	0.0	6.2	0.0	1.5	456.9	17.6	27.8	4.1	14.7	2.7	0.5	2.1	0.3	1.3	0.2	0.5	0.0	0.4	-0.1	-0.1	-0.1	0.0	0.0	557.6	0.2	15.9	0.2	2.5	1.0
Standard Deviation	0.3	0.6	0.0	0.0	10.8	0.0	0.8	225.0	5.9	8.5	1.4	5.0	1.0	0.2	0.9	0.1	0.6	0.1	0.3	0.1	0.2	0.0	0.1	0.0	0.1	0.0	1016.5	0.1	7.2	0.1	2.3	0.4
Control Material GXR-6	0.237	-0.1	0.06	0.14	0.80	0.02	3.2	886	10.7	25.3	2.8	10.9	2.2	0.5	1.8	0.2	1.4	0.3	0.7	0.1	0.7	0.1	0.1	-0.05	-0.1	-0.001	77.6	1.67	90.6	0.13	3.3	0.7
Control Material GXR-2	17.2	3.5	0.04	0.17	16.5	0.26	3.8	1150	19.8	33.1	4.7	16.9	3.0	0.5	2.5	0.3	1.8	0.4	0.9	0.1	0.8	0.1	-0.1	-0.05	-0.1	-0.001	201	0.61	589	0.24	3.5	1.4
Control Material GXR-1	31.5	2.4	0.67	9.53	54.2	6.16	2.6	392	4.0	8.15	1.3	5.83	2.1	0.5	3.1	0.6	4.1	0.9	2.4	0.3	2.1	0.3	-0.1	-0.05	80.7	-0.001	3370	0.35	613	1360	1.3	27.8
Control Material GXR-4	3.76	0.1	0.19	2.14	1.90	0.83	2.4	58.8	45.1	65.1	10.1	34.6	5.5	1.2	4.1	0.5	2.4	0.4	1.1	0.1	0.9	0.1	0.1	-0.05	9.7	0.169	357	2.83	43.3	19.3	17.0	4.8
Cert Data GXR-6	**1.3**	**1**	**0.26**	**1.7**	**3.6**	**0.018**	**4.2**	**1,300**	**13.9**	**36**	**-**	**13**	**2.67**	**0.76**	**2.97**	**0.415**	**2.6**	**-**	**-**	**0.032**	**2.4**	**0.33**	**4.3**	**0.485**	**1.9**	**-**	**95**	**2.2**	**101**	**0.29**	**5.3**	**1.54**
Cert Data GXR-2	**17**	**4.1**	**0.252**	**1.7**	**49**	**0.69**	**5.2**	**2,240**	**25.6**	**51.4**	**-**	**19**	**3.5**	**0.81**	**3.3**	**0.48**	**3.3**	**-**	**-**	**0.3**	**2.04**	**0.27**	**5.3**	**0.9**	**1.9**	**-**	**36**	**1.03**	**690**	**0.69**	**8.6**	**2.8**
Cert Data GXR-1	**31**	**3.3**	**0.77**	**54**	**122**	**13**	**3**	**750**	**7.5**	**17**	**-**	**18**	**2.7**	**0.69**	**4.2**	**0.83**	**4.3**	**-**	**-**	**0.43**	**1.9**	**0.28**	**0.96**	**0.175**	**164**	**-**	**3,300**	**0.39**	**730**	**1,380**	**2.44**	**34.9**
Cert Data GXR-4	**4**	**0.86**	**0.27**	**5.6**	**4.8**	**0.97**	**2.8**	**1,640**	**64.5**	**102**	**-**	**45**	**6.6**	**1.63**	**5.25**	**0.36**	**2.6**	**-**	**-**	**0.21**	**1.6**	**0.17**	**6.3**	**0.79**	**30.8**	**-**	**470**	**3.2**	**52**	**19**	**22.5**	**6.2**

Viceroy Minerals Corporation
Brewery Creek Mine
Heap Infiltration Model

Pond Volume Start + IN - OUT = Pond Volume End

Pond Volume Start + Heap Infiltrate + Heap Spring Runoff + Pond Precip - Direct Release - Land App = Pond Volume End
Heap Infiltrate = Pond Volume End - Pond Volume Start - Heap Spring Runoff - Pond Precip + Direct Release + Land App

Pond Volume Start =	63,000		
Pond Volume End =	29,573		
Heap Spring Runoff =	24,743	40%	Spring runoff into pond throguh May 11, 2004
Pond Precip =	12,981		
Direct Release =	84,947		
Land App Release =	13,161		
Heap Infiltrate =	26,957		
Total Heap Precip =	127,759		
Estimated Heap Infiltrate %	21.1%		

	CLIMATIC INPUTS			CATCHMENT AREAS							SOLUTION OUT			
Month	Precip. mm	Lake Evaporation mm	Total Tonnes to Pad	Total Liner Area m^2	Ponds Catchment Area m^2	Precip Fallen Leach Pad	Spring Runoff Coefficient	Heap Spring Runoff into Ponds	Precip Fallen Ponds	TOTAL IN	Direct Release	Land Application Release	Total Releases	Actual Pond Volume
	Input	Input	Input	Input	Input	Calc			Calc	Calc	Input		Calc	Input
Jan-04		0	9,458,197	311,000	31,600	0			0	0			0	63,000
Feb-04	158.0	0	9,458,197	311,000	31,600	49138			4993	54,131			0	65,592
Mar-04	17.5	0	9,458,197	311,000	31,600	5443			553	60,126			0	68,184
Apr-04	11.9	0	9,458,197	311,000	31,600	3701			376	64,203			0	73,965
May-04	11.5	77	9,458,197	311,000	31,600	3577	40%	24,743	363	68,143	21,052		21,052	77,482
Jun-04	19.8	154	9,458,197	311,000	31,600	6158			626	74,927	18,021		18,021	65,782
Jul-04	47.6	113	9,458,197	311,000	31,600	14804			1504	91,234	16,927	13,161	30,088	39,348
Aug-04	6.4	103	9,458,197	311,000	31,600	1990			202	93,427	22,701		22,701	22,745
Sep-04	27.0	58	9,458,197	311,000	31,600	8397			853	102,677	6,246		6,246	21,711
Oct-04	43.0	0	9,458,197	311,000	31,600	13373			1359	117,409			0	24,303
Nov-04	31.0	0	9,458,197	311,000	31,600	9641			980	128,030			0	26,895
Dec-04	37.1	0	9,458,197	311,000	31,600	11538			1172	140,740			0	29,487

Appendix I
PHYSICAL STRUCTURES INSPECTION

SRK Consulting
Engineers and Scientists

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February 22, 2005
Project 1CV001.01

Viceroy Minerals Corporation
Suite 900, 570 Granville Street
Vancouver, B.C., V6C 3P1

Attention: Mr. Brad Thrall

Dear Mr. Thrall,

Re. Brewery Creek Mine Annual Geotechnical Inspection

The undersigned visited the Brewery Creek Mine site in late September, 2004, as part of a review of outstanding closure liabilities. Mr. Brad Thrall, Mine Manager, requested that the undersigned also complete the annual geotechnical inspection during that visit. Previous annual geotechnical inspections had been carried out by engineers from Knight & Piesold Ltd. Their reports were made available prior to the September 2004 visit.

According to the earlier reports, the focus of the annual geotechnical inspections has been on the following earth structures:

- Ore on pad
- Leach pad containment dyke
- Process ponds
- External waste dumps
- Water retaining structures

That approach was followed for the September 2004 inspection and in the organization of the following sections.

Ore on Pad

No ore has been added to the Brewery Creek leaching pad since mining ceased in September 2000. Cyanide addition to the ore ceased in January 2002.

At the time of the September 2004 inspection, the heap was in an advanced state of closure and reclamation. Specifically all cells had been regraded and covered. As was the case in the previous inspection, no signs of

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instability or distress were noted. In general, one would not expect to see signs of distress on regraded slope that has been covered.

In the opinion of the undersigned, there is no further need for annual geotechnical inspection of the ore on the pad. There is a continuing need for reclamation monitoring, in particular because of the poor survival of plants seeded prior to the very warm summer of 2004. Future monitoring of reclamation success should include inspections for erosion and any other signs of physical instability.

Leach Pad Containment Dike

Only the western portion of the leach pad containment dike was inspected in September 2004. It was observed to be in good condition, with no signs of settlement, erosion or displacement. The solution collection lines along the toe of the pad were in the process of being buried to prevent ice build-up and to provide a clear surface for reclamation. Material from the berm was being used to bury the lines, resulting in the berm being lower and less steeply sloping than was the case during operations. Although no stability analysis has been completed, a lower flatter berm would be expected to be more stable.

The dike remains capable of impounding water and therefore should continue to be subject to annual inspections until such time as it is breached.

Process Ponds

At the time of the September 2004 inspection, the Pregnant Pond contained about 3,000 m^3 of solution and the Overflow Pond contained about 20,000 m^3. A biological treatment cell had been constructed in the base of the Barren Pond. The biological treatment cell consisted of a gravel into which a solution designed to enhance microbiological growth could be injected. Solution from the pregnant pond would be passed through the cell in order to remove cyanide compounds and other contaminants. All of the required piping and a storage tank of solution were in place, but the system had not yet been used. Therefore, there was no water visible in the Barren Pond.

The Water Treatment Ponds constructed in 2001 were full to within 0.3 m of the outlet pipe. The 2003 geotechnical inspection of the Water Treatment ponds noted minor settlement cracks "on the edge of the crest at the downstream slope". At the time of the September 2004 inspection, the cracks in the crest of the berm around the lower pond were in-filled by sediment, suggesting that they were stable (as was also noted in 2003). However, additional cracks were noted in the berm of the upper pond, and these were not in-filled. It is not clear if these cracks are "new" because the 2003 inspection report was not specific about the location of the cracks observed in previous years. If it cannot be established that these cracks are stable, they are worthy of further monitoring until such time as the pond is emptied and the berm breached.

External Dumps

The Canadian and Blue Dumps were inspected only briefly. Both dumps have been regraded and covered. Vegetation is well established on the Canadian Dump, but less so on the Blue Dump where the 2003 drill seeding has had spotty success only. Minor erosion was noted on the road leading to the toe of the Blue Pit, and appears to have been initiated or exacerbated by drill crew traffic. No signs of large scale instability were noted.

Movement of the Lucky Haul Road was noted in the 2003 inspection, and Viceroy undertook a program to stabilize the affected area in 2004. The program consisted of removing waste from the crest of the road in the area where the cracks were noted. Approximately 8,000 m^3 of material was reportedly moved and redistributed to the west of the area of concern. As-built surveys were in preparation at the time of the September 2004 inspection.

Based on approximate field measurements by the undersigned, the new crest in the area was about 0-20 m above the toe, and the new slope was around 15°. A single tension crack, approximately 5 m long and no more than 5 cm wide, was noted. It is not unusual to see tension cracking immediately after regrading, but this feature should be monitored in future inspections.

Tension cracks were also noted approximately 200 m west of the area discussed above. In this case, the cracks were very far from the crest, suggesting that slope instability was not the cause. A more plausible explanation is that the tension cracks are attributable to settlement induced by melting of the permafrost that was known to be present in the area.

In an area above the lower Lucky haul road, and immediately west of the rim of the lower Lucky Pit, both sinkholes and tension cracks were noted. This area reportedly consists of waste rock that was placed an a narrow ridge of natural ground. The sinkholes are probably due to settlement or erosion of the Lucky Pit wall, on the east side of the ridge. The tension cracks indicate movement on the western side of the ridge.

Further monitoring of these areas is required.

Water-Retaining Structures

The Lower Canadian Creek siltation control structure was breached in 2004 and was therefore not included in the September 2004 inspection.

The Canadian Pit east siltation structure was inspected and appeared to be unchanged since the 2003 inspection. The structure was in good condition. The volume of fresh sediment in the structure was estimated to be less than a few cubic metres.

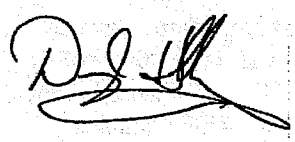
Conclusions and Recommendations

The September 2004 geotechnical inspection found no signs of imminent failure or significant distress in any of the earth structures that were examined. However, tension cracks in the berm around the upper Water Treatment Pond, and tension cracks and sinkholes in the Lucky Dump and Lucky Haul Road areas are worthy of further monitoring.

Consideration should be given to dropping stable areas from future annual geotechnical inspections, and/or combining the geotechnical inspection requirement with requirements for reclamation monitoring.

Yours truly,

SRK Consulting (Canada) Inc.



Daryl Hockley, P.Eng.
Principal