



ALEXCO RESOURCE CORP.

Brewery Creek Mine

2006 ANNUAL WATER LICENSE REPORT

Submitted to the Yukon Territory Water Board

Water Use License QZ96-007

2006 ANNUAL QUARTZ MINING LICENSE REPORT

Submitted to Yukon Government Energy Mines and Resources

Yukon Quartz Mining License A99-001

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February 2007

Executive Summary

The Brewery Creek Mine, owned and operated by Alexco Resource Corp., 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 2006 monitoring data and activities relevant to both the Water Use and Quartz Mining Licenses.

During 2006 no mining operations were conducted. The heap leach pad was detoxified in 2002 and drained down in 2003. At the end of 2006, the heap was fully detoxified and approximately 0.036 m³/hr was free draining from the heap.

During 2006, maintenance seeding and fertilization was completed on approximately 81 ha.

The large scale lysimeter constructed in the Blue WRSA was monitored for chemistry and infiltration during 2006.

In 2006, no fresh water was withdrawn from Laura Creek.

From May – June 2006, 24,750 m³ of treated process solution was directly released into the Laura Creek watershed. No land application of solution occurred in 2006. Approximately 34,196 m³ of fresh water from the surface of the heap and surrounding catchment was released as it was captured in the preg pond.

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.

There was no benthic monitoring program in 2006.

A revegetation assessment was completed by Laberge Environmental Services in August 2006.

SRK Consulting completed an independent analysis of the reclamation activities and remaining liabilities in August 2006.

No recordable spills occurred in 2006.

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1 INTRODUCTION

Brewery Creek Mine, owned and operated by Alexco Resource Corp., is located in central Yukon approximately 55 kilometers east of Dawson City. The mine is a conventional open pit heap leach operation that operated continuously from 1996 – 2001. The mine was permanently shut down in 2002. With the exception of some remaining site facilities, the mine has been fully reclaimed.

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 2006 monitoring data and activities relevant to the Water Use and Quartz Mining Licenses.

2 2006 OVERVIEW OF ACTIVITIES

The following reclamation tasks and activities were completed in 2006:

January 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- Weekly site visits for security and wildlife protection were conducted on a weekly basis during the month.
- No other site activity was completed.

February 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- Weekly site visits for security and wildlife protection were conducted on a weekly basis during the month.
- No other site activity was completed.

March 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.

- March sampling included quarterly monitoring.
- Weekly site visits for security and wildlife protection were conducted on a weekly basis during the month.
- Alexco began a modest exploration program in March. 9 holes were drilled in the Blue, Bohemian and Classic zones, for a total of 1,184 metres. Exploration roads and drill pads were prepared in support of this drill program.
- No other site activity was completed.

April 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- The exploration drill program continued during the month and was completed by month's end. All exploration equipment was demobilized from the property.
- One fulltime position was hired in late April to begin daily monitoring activities in anticipation of the spring freshet.

May 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- Fresh water that was collected in the preg pond as the result of surface runoff during the spring freshet was released by siphoning from the pond.
- Discharge of heap effluent collected in the overflow pond was released during the month.
- Maintenance seeding and fertilizing began across several areas of the property.
- Maintenance was completed on the main access road to the property.

June 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.

- Repair of erosion damage on the west face of the heap was completed during the month. The repaired areas were seeded and fertilized.
- Construction of a new fence around the perimeter of the process ponds began. This is in response to a previous incident of wildlife entering the pond and becoming trapped on the frozen water surface the previous winter. The fence had been removed earlier as part of the approved reclamation and closure plan.
- The hydrocarbon treatment facility was scarified and 75 kg. of fertilizer was applied and mixed in the soil.

July 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- The new fence around the process ponds was completed.
- Reclamation was completed on drill pads and exploration roads constructed as part of the March/April exploration program.

August 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- The remaining inventory in the laydown area was removed from site. The area was ripped and seed and fertilizer was applied.
- An inspection was completed by SRK Consulting and SteveJan Consultants Inc. for the purposes of determining the remaining closure liability.

September 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- Sediment sampling was completed as part of the quarterly sampling.

- Additional work was completed on the ditch leading from the Cell 8-10 area across the road to the process ponds. The ditch was lined with additional rip rap material.

October 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- Site presence resumed back to weekly checks for security and wildlife protection.
- No other site activity was completed.

November 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- Weekly site visits for security and wildlife protection were conducted on a weekly basis during the month.
- No other site activity was completed.

December 2006

- Routine water quality monitoring was completed per the sites and conditions under Water License QZ96-007 and Quartz Mining License A99-001.
- Weekly site visits for security and wildlife protection were conducted on a weekly basis during the month.
- No other site activity was completed.

3 WATER USE

In 2006, no water was withdrawn from Laura Creek or BC-23.

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 2006 climate monitoring data is summarized in Appendix A-1. 2006 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 30°C. January was the coldest month with a minimum temperature of -42.5°C. 2006 monthly climate data is presented in Appendix A-2.

Brewery Creek data, collected since 1991, is summarized in Appendix A-3 (table and graph).

4.1.2 Precipitation

Total 2006 precipitation measured at the mine site was 351 mm (see Appendix A-1). 2006 was slightly above the long-term average precipitation at Brewery Creek of 329 mm.

4.1.3 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. 2006 monitoring was conducted from May through September (Appendix A-7.1). Results are tabulated in Appendix A-7.2. The maximum monthly net evaporation was 138.8 mm, and occurred in June. Total net evaporation in 2006 was 507.3 mm. This compares to the average evaporation between 1999 – 2005 of 486 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 2006 Compliance Water Quality Sampling

	Surface Water	Ground water	In-Pit	Solution Discharge	Heap Effluent	Land Application Lysimeters
Number of Samples in 2006	71	34	22	1	12	0

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

Water Quality Laboratories:

ALS Environmental
Vancouver, BC

The ALS Environmental Certificate of Accreditation is attached.

Norwest Labs

Burnaby, BC

The Norwest Labs Certificate of Accreditation is attached.

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 administration building warehouse. Bottles for cyanide analysis are specially labeled, and have been pre-preserved by the lab. Occasionally BCM staff has used a standard 1-litre bottle for cyanide sampling, and have added the NaOH pellet preservative from the on-site supply.

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

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 BC 65, 66.

In conjunction with YG Water Resources a low flow passive sampling system was installed in 2005 for groundwater wells BC-65 and 66. This is an accepted method for deep wells, and involves leaving dedicated sampling gear down the hole (bellows pump, tubing), directly adjacent to the screened interval of the well. To withdraw a sample, one uses a controller and compressed gas at the surface to operate the bellows pump and extract the water through a return line to the surface - the compressed gas is not actually released, it simply cycles and operates the bellows. The equipment is left in the well between sampling events and not removed.

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.

Sample Labeling:

Sample bottles are labeled with the sample location, site name, date sampled, company name and parameter to be analyzed for.

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, or with the samplers when they return to Whitehorse, and airfreight to Vancouver. The coolers are delivered to the principal laboratory.



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Accreditation date: / Date d'accréditation : 1995-03-06

Issued on: / Délivré le : 2005-07-28

Expiry date: / Date d'expiration : 2009-03-06

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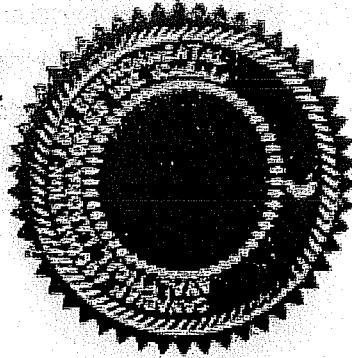
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4.2.2 Surface Water Quality Results

Locations and descriptions of surface water quality stations are given in Appendix B. 2006 surface water quality results are tabulated by station. Certain key parameters including total suspended solids (TSS), nitrogen species (ammonia), and selected metals are graphically compared to historical data. A major forest fire came through the Brewery Creek Mine in 2004 and most notably burned extremely hot through the Laura Creek watershed. The sampling results for total suspended solids (TSS) are evidence of the influence of the forest fires on water quality in the Laura Creek stations in 2005. TSS at stations BC-1, 2 and 3 are all elevated over historic levels. TSS at these stations during 2006 show an overall reduction but remain elevated from previous years, before the fire occurred. This indicates that natural recovery is occurring from the fire damaged areas but release of sediments is still occurring from this natural event. Stations such as BC-04 that were not influenced by the forest fire show typical TSS values as expected with historic levels.

Ammonia levels at stations BC-1, 2 and 3 continued a downtrend from 2005 levels. Most all stations showed an increase in ammonia in 2005 from previous years, including background stations such as BC-6. This increase is attributed to the 2005 forest fire, similar to the increases in TSS. The same trend is appearing at stations BC-4 and 5 which are in the Lee Creek drainage.

Arsenic and zinc concentrations at stations BC-1, 2 and 3 are similar to levels experienced in 2005. No significant trends either up or down appear in any of the stations for the parameters arsenic and zinc. Occasional spikes occur at various stations but these are not associated with any trends.

Copper and lead levels at most stations are within historic levels and there is evidence that past spikes have diminished. Results at stations BC-16, 4, 5, 3 and 34 is evidence of this trend.

Selenium levels at stations BC-1, 2 and 3 show consistent trends from previous years. Selenium at station BC-39 continues to be well below the site specific criteria established (3.8 ug/l) for that station. The average selenium concentration at BC-39 during the year was 1.2 ug/l. The highest selenium value reported at station BC-39 in 2006 was 1.7 ug/l. The actual levels are also below the predicted levels presented during the licensing process.

4.2.3 Groundwater Quality Results

Locations and descriptions of groundwater quality stations are given in Appendix B. Water quality sampling from the groundwater stations is required on a quarterly basis as per the Water License. There are 7 groundwater piezometers and 1 deep groundwater well (BC-23) located downgradient of the leach pad. Stations BC-19, 21, 22 are still operational and samples collected on a quarterly basis. Station BC-20 contains frozen water on year round basis. This station historically collected water but it became permanently frozen a few years ago. Attempts are made each quarter to collect a sample and the condition is continuously noted. The remaining 4 piezometers (BC-20, 24, 25 and 26) have collapsed over the past several years and no samples can be obtained from these stations. This condition has been noted on previous annual reports. Antimony, arsenic and cadmium levels at BC-19 showed no increasing trends in 2006. Copper levels at BC-19 have increased marginally over 2005 levels, but remain lower than historic concentrations samples at this location. Other parameters of note including mercury, nickel, silver, lead, iron, zinc and selenium continue to show no trends of increasing levels in BC-19.

Antimony, arsenic and cadmium levels at BC-21 showed no increasing trends in 2006 and are comparable to previous years. Copper levels at BC-21 exhibited a similar increase in values over 2005, similar to BC-19. Other parameters of note including mercury, nickel, silver, lead, iron, zinc and selenium continue to show no trends of increasing levels in BC-21.

Arsenic, nickel and iron concentrations at station BC-27 (Golden) show an increased level over previous years. Other parameters at BC-27 such as antimony, cadmium, copper, silver, lead and selenium exhibit the same or a decreasing trend from previous years.

4.2.4 In-Pit Monitoring Stations Water Quality Results

There was no mining activity in 2006 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 end of Pacific Pit (BC-51), Blue (BC-12), Moosehead Pit (BC-15), Kokanee Phase 3 (BC-10), South Golden Pit (BC-17), and Lucky (BC-18).

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 pH and ranged from 3.4 – 4.4 during the sampling periods. High aluminum levels were associated with the lower pH during the same sampling periods. These lower pH levels for the Pacific Pit are consistent with previous years. PH values in the Blue Pit (BC-12) ranged from 4.2 – 6.7 throughout the 12 month sampling period. Increased levels of aluminum and iron were observed. These pH values are consistent with historic levels in the

Blue Pit. Neither the Pacific or Blue Pits discharges to surface and all water infiltrates through the pit bottom. Previous years sampling in Moosehead showed higher levels of selenium. This trend appears to have reversed and selenium levels in Moosehead during 2006 continued to be at or below 0.05 mg/l. As is the case for all other pits, the water is contained in the pit and either exfiltrates or evaporates. The Lucky Pit (station BC-18) has generally been dry during the scheduled quarterly sampling events. There was only one sampling period where there was any water contained in the small catchment at BC-18. Overall, the results of the pit water sampling indicates no trends or changes from previous years.

4.2.5 Monitoring Conformance

Throughout the year certain monitoring stations or frequencies were not sampled due to various reasons. The following summarizes stations, frequencies or parameters that were not achieved in 2006:

BC-1: Flow measurements were not recorded during the winter months due to very low or no water and significant ice and glacial cover.

BC-2: Flow measurements were not recorded during the winter months due to very low or no water and significant ice and glacial cover.

BC-3: Flow measurements were not recorded during the winter months due to very low or no water and significant ice and glacial cover.

BC-4: Flow measurements were not recorded during the winter months due to significant ice and glacial cover.

BC-5: Flow measurements were not recorded during the winter months due to significant ice and glacial cover.

BC-6: Flow measurements were not recorded during the winter months due to significant ice cover. Flow measurements were not recorded in the open water season because of the impractical methods required to monitor flow in such a large flow of water in the South Klondike River.

BC-9: This in pit station is Fosters Pit and has not had any water for several years and is therefore not sampled.

BC-11: This station is an intermittent seep at the toe of the Blue WRSA and there was no visible flow during the scheduled quarterly monitoring periods.

BC-13: This station is the Moosehead West Waste Dump and no longer exists and there is no visible flow to monitor.

BC-14: This station is the Moosehead East Waste Dump and no longer exists and there is no visible flow to monitor.

BC-16: This station is an intermittent surface flow below the Pacific Pit. There was only visible flow during the second quarterly period.

BC-18: This station is water in the Lucky Pit. It is generally dry and no sample can be obtained. Three out of the 4 sampling periods it was dry.

BC-20: This station is a piezometer below the leach pad and has been non-functional for several years and not sampled.

BC-23: This station is a deep well below the process area. The pump installed in BC-23 stopped functioning in 2004. An attempt was made to remove the pump and discharge pipe using the company's crane. During this exercise, the discharge pipe broke approximately 20 feet below the casing elevation. Further attempts to remove the pipe and pump have not been successful. Consequently there are no samples reported for BC-23.

BC-24: This station is a piezometer below the leach pad and has been non-functional (collapsed, plugged) for several years and not sampled.

BC-25: This station is a piezometer below the leach pad and has been non-functional (collapsed, plugged) for several years and not sampled.

BC-26: This station is a piezometer below the leach pad and has been non-functional (collapsed, plugged) for several years and not sampled.

BC-65: This station is a piezometer that is sampled using a specialized well purging pump supplied to the site by the Yukon government. During the December quarterly sampling event this pump malfunctioned and therefore samples could not be taken.

BC-66: This station is a piezometer that is sampled using a specialized well purging pump supplied to the site by the Yukon government. During the December quarterly sampling event this pump malfunctioned and therefore samples could not be taken.

4.2.6 Hydrology

Stream flow measurements for Laura Creek, Carolyn Creek, Lucky Creek, Lee Creek, and Pacific Creek stations were measured in 2006. All data are presented in Appendix C-1. Flowrates at the

pumphouse station are included in Appendix C. Both tabular and graphical forms of flow are presented. Heap solution discharge rates are regulated by measured flows at the pumphouse station.

4.3 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 required in 2006.

4.4 Sediment Monitoring

Annual stream sediment sampling was conducted in September 2006. 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 Norwest Labs, Surrey British Columbia. Loss-on-ignition (LOI) was determined by heating the sample to 600°C. Results are tabulated in Appendix D.

Some obvious and notable decreasing trends are exhibited across a number of stations. Many parameters show levels have decreased back to pre mining conditions and baseline conditions. Arsenic, antimony and mercury are some of the best indicators and examples of decreasing metals in sediments over the past 6 years since mining ceased and the last 3 years since the major reclamation and stabilization work was completed.

4.5 Revegetation Monitoring

A revegetation monitoring and assessment report was completed by Laberge Environmental Consultants in July 2006. The assessment included permanent monitoring plots and other revegetated areas across the property. The Laberge report is included in Appendix F. Conclusions and recommendations are included in the report.

4.6 Leak Detection and Recovery Systems

Monitoring of (LDRS) systems was discontinued in 2005, consistent with long-term closure plans and the fact the heap has been fully decommissioned and drained. The leak detection piping and collection system remains intact however.

4.7 Air Quality

No air quality monitoring for mercury emissions was conducted in 2006 due to the dismantling of the ADR facility in 2004 and the cessation of refining. No further air quality monitoring is anticipated.

4.8 Effects on Wildlife

4.8.1 Process-Related Mortalities

Wildlife mortalities in 2006 included 2 young moose calves discovered in the overflow pond in May 2006. Upon discovery, the local Conservation Officer was notified. The fence around the process ponds had been removed earlier as a condition of the approved reclamation and closure plan. A new fence was constructed in June 2006 to prevent future wildlife incidents. The new fence will remain in place until the liners have been removed from the ponds.

4.9 Reclamation Activities Report

An inspection of the reclamation activities and remaining liabilities was completed by SRK Consulting (company engineer) and SteveJan Consultants (government engineer) during August 2006. This report has been submitted in a separate cover. In previous years, the annual geotechnical inspection was completed by the company's consultant and registered professional engineer in conjunction with the reclamation inspection. Due to a scheduling conflict at the last moment, the company's consultant could not attend the inspection but instead another professional with SRK attended the site inspection. The alternative SRK representative is not a registered professional engineer and therefore the annual geotechnical inspection report has not been provided.

5 RECLAMATION

No major earthwork activity took place in 2006 and the majority of site activity consisted of the boneyard and erosion maintenance in the reclaimed areas.

A summary of the maintenance work completed is shown in Table 5.1

Table 5.1 2006 Reclamation Summary

Area	hectares	Description of Work
Edge of haul road Blue-Lucky	25	Seeded
Equipment Yard	4	Scarified, seeded, fertilized
Old camp yard	1	Scarified, seeded, fertilized
ADR Plant	2	Seeded, fertilized
Laura Creek Road and Pumphouse	2	Seeded, fertilized
Borrow Pit Laura Creek Road	1	Seeded, fertilized
Road to Land App lysimeters	1	Seeded, fertilized
Old Plant road to top of heap	1	Seeded, fertilized
Top of valve houses	1	Seeded, fertilized
Leach pad dyke road	2	Seeded, fertilized
Cell 8-10 patchy areas	4	Seeded, fertilized
Moosehead haul road	4	Scarified, seeded, fertilized
Moosehead landfill	1	Seeded, fertilized
Behind leach pad, shale hill	1	Seeded, fertilized
Blue WRSA	6	Seeded, fertilized
Blue WRSA access road	2	Scarified, seeded, fertilized
Low Grade Stockpile	3	Seeded, fertilized
Lower Fosters	5	Seeded, fertilized
Upper Fosters WRSA	4	Seeded, fertilized
Kokanee ditch	1	Seeded, fertilized
North Golden silt stockpile	6	Seeded, fertilized
Backside North Golden WRSA	2	Seeded, fertilized
Lucky Haul Road - crossing to pit	4	Seeded, fertilized
Total	81	

Appendix E presents a number of pictures showing the progress of reclamation across several areas of the property.

6 REAGENT AND WASTE MANAGEMENT

6.1 Spill Occurrence and Response

No reportable spills occurred in 2006.

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 remaining assay lab cupels and slag were buried on the top end of Cell 7. This was done with written permission from the Chief Mines Inspector and the local EMR inspector. The following table summarizes the remaining quantities of reagents and chemicals stored on site during 2006.

Table 6.1 Storage of Major Reagents During 2006

Product	Quantity Used 2006/Stored at end of Year	Storage Location	Storage Method
Hydrochloric Acid	6 drums stored	Adjacent to Preg Pond	238 kilo drums (45 imp. gal.)
Hydrogen Peroxide	6 drums stored	Adjacent to Preg Pond	45 imp. Gal. drums
BTC Nutrients	10,000 liter stored	Adjacent to Preg Pond	25,000 liter storage tank

6.3 Waste Management

6.3.1 Waste Oil

The previous lined oil drum storage area adjacent to the main administration building has been converted into a hydrocarbon soils treatment facility. After all of the remaining hydrocarbons were removed or burned off at site, the soil in the containment area was scarified and fertilizer applied. This practice was continued in 2006 and the soil was again scarified and 75 kg. of fertilizer was mixed into the soil in May 2006. Additional fertilizer will continue to be applied and resampled in the future. 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

Disposal of major waste products at the mine site is summarized in Table 6.2.

Table 6.2 Waste Disposal During 2006

Product	Quantity Disposed 2006	Disposal Method
Metal, heavy scrap	~ 2,000 kg.	Sold, given to local contractors and residents
Boneyard Equipment	+10,000 kg.	Sold to local contractors or shipped to Alexco's UKHM property for alternative use.

7 WATER MANAGEMENT

7.1 Direct Release

A total volume of 24,750 m³ of compliant process solution and 34,196 m³ of heap surface runoff was directly released in 2006. No solution was land applied in 2006. Water quality analysis and sampling was conducted and solution released was compliant with the water license criteria and conditions. Bioassays were completed on the heap surface water runoff (preg pond water) and the discharge waster (BC-28). These bioassays passed and the solution was demonstrated to be non toxic. Results of the bioassays are included in Appendix G. All samples from BC-28a (heap effluent) were below 2.0 ppm total cyanide in 2006. The first sample from the heap below 2.0 ppm total cyanide was in February 2002. All samples subsequently taken have returned a total cyanide value below 2.0 ppm. This constitutes 60 consecutive months where the total cyanide from the heap has been less than 2.0 ppm. Because the lined facilities and ponds have not been removed and reclaimed, fresh water from the surface of the heap during spring freshet is directed and contained in the preg pond and is not directly released. Removal of the liner and final reclamation of the ponds cannot be completed without authorization under the company's Quartz Mining License (A99-001). The company's water license condition for process solution release is an annual limit of 25,000 m³. The 25,000 m³ limit was not intended to limit the amount of fresh surface water runoff released from the heap since this is an uncontrollable quantity and directly related to annual precipitation. Since the fresh water is contained separately from the leach pad underdrain, the release of the fresh water is not counted against the 25,000 m³ limit and is recorded separately. This condition will be rectified once the ponds are removed and the surface drainage reestablished. 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 2006

Month	Process Solution Direct Release (m ³)	Fresh Water Direct Release (m ³)	Land App Release (m ³)	TOTAL (m ³)
January				
February				
March				
April				
May	3,336	3,108		6,444
June	21,414	31,088		52,502
July				
August				
September				
October				
November				
December				
Totals 2006	24,750	34,196		58,946
Totals To 2002 - 2005	134,697	69,507	151,796	356,000
Remaining Permitted	na	na	248,204	

7.2 Selenium Criteria

Water quality results for BC-39 are indicated in Appendix B. All sampling periods at BC-39 returned a selenium concentration below the water license criteria for site specific levels. The site specific selenium criteria for compliance at station BC-39 is 3.8 ug/l. The highest selenium measured at station BC-39 during the year was 1.7 ug/l and the lowest was 0.4 ug/l.

7.3 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 Table 7.2. 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 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 for 2006 is estimated at 27.3%. Details of the monthly inputs and calculations are found in Table 7.2. This calculated infiltration rate compares with the 30.0% infiltration rate estimated by the soil cover design modeling. Based on the water quality measured at BC-28a and the demonstrated infiltration rates through the cover, the remediation measures implemented on the heap are demonstrated to be effective.

Alexco Resource Corp.
Brewery Creek Mine
Heap Infiltration Model

TABLE 7.2

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 (m3) =	53,249	Cumulative Years		
Pond Volume End (m3) =	69,460	2004	2005	2006
Heap Spring Runoff (m3) =	34,196	21.1%	24.1%	27.4%
Pond Precip (m3)=	11,092			
Direct Release (m3) =	58,946			
Land App Release (m3) =	-			
Heap Infiltrate (m ³) =	29,869			
Total Heap Precip (m ³) =	109,161			
Estimated Heap Infiltrate %	27.36%			

* Feb-04 precip is the cumulative snowpack from October 2003 - February 2004

CLIMATIC INPUTS		CATCHMENT AREAS					SOLUTION OUT				
Month	Precip. mm	Total Liner Area m ²	Ponds Catchment Area m ²	Precip Fallen Leach Pad	Heap Spring Runoff into Ponds	Precip Fallen Ponds	TOTAL IN	Direct Release	Land Application Release	Total Releases	Actual Pond Volume
	Input	Input	Input	Calc		Calc	Calc	Input		Calc	Input
Jan-04		311,000	31,600	-		-	0			0	63,000
Feb-04 *	158.0	311,000	31,600	49,138		4,993	54,131			0	65,592
Mar-04	17.5	311,000	31,600	5,443		553	60,126			0	68,184
Apr-04	11.9	311,000	31,600	3,701		376	64,203			0	73,965
May-04	11.5	311,000	31,600	3,577	24,743	363	68,143	21,052		21,052	77,482
Jun-04	19.8	311,000	31,600	6,158		626	74,927	18,021		18,021	65,782
Jul-04	47.6	311,000	31,600	14,804		1,504	91,234	16,927	13,161	30,088	39,348
Aug-04	6.4	311,000	31,600	1,990		202	93,427	22,701		22,701	22,745
Sep-04	27.0	311,000	31,600	8,397		853	102,677	6,246		6,246	21,711
Oct-04	43.0	311,000	31,600	13,373		1,359	117,409			0	24,303
Nov-04	31.0	311,000	31,600	9,641		980	128,030			0	26,895
Dec-04	37.1	311,000	31,600	11,538		1,172	140,740			0	29,487
Jan-05	22.4	311,000	31,600	6,966		708	148,414			0	32,079
Feb-05	33.2	311,000	31,600	10,325		1,049	159,789			0	34,671
Mar-05	18.9	311,000	31,600	5,878		597	166,264			0	37,263
Apr-05	26.0	311,000	31,600	8,086	15,750	822	175,171			0	59,616
May-05	37.9	311,000	31,600	11,787	19,561	1,198	188,156	28,305		28,305	58,548
Jun-05	37.6	311,000	31,600	11,694		1,188	201,038	23,993		23,993	39,873
Jul-05	38.9	311,000	31,600	12,098		1,229	214,365	5,936		5,936	34,527
Aug-05	63.7	311,000	31,600	19,811		2,013	236,188	2,007		2,007	41,560
Sep-05	49.9	311,000	31,600	15,519		1,577	253,284			0	43,463
Oct-05	13.9	311,000	31,600	4,323		439	258,046			0	47,525
Nov-05	44.5	311,000	31,600	13,840		1,406	273,292			0	49,688
Dec-05	21.1	311,000	31,600	6,562		667	280,521			0	51,949

Alexco Resource Corp.
Brewery Creek Mine
Heap Infiltration Model

TABLE 7.2
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 (m3) =	53,249	Cumulative Years		
Pond Volume End (m3) =	69,460	2004	2005	2006
Heap Spring Runoff (m3) =	34,196	21.1%	24.1%	27.4%
Pond Precip (m3)=	11,092			
Direct Release (m3) =	58,946			
Land App Release (m3) =	-			
Heap Infiltrate (m ³) =	29,869			
Total Heap Precip (m ³) =	109,161			
Estimated Heap Infiltrate %	27.36%			

* Feb-04 precip is the cumulative snowpack from October 2003 - February 2004

CLIMATIC INPUTS		CATCHMENT AREAS					SOLUTION OUT				
Month	Precip. mm	Total Liner Area m ²	Ponds Catchment Area m ²	Precip Fallen Leach Pad	Heap Spring Runoff into Ponds	Precip Fallen Ponds	TOTAL IN	Direct Release	Land Application Release	Total Releases	Actual Pond Volume
	Input	Input	Input	Calc		Calc	Calc	Input		Calc	Input
Jan-06	6.4	311,000	31,600	1,990		202	282,714			0	53,249
Feb-06	20.4	311,000	31,600	6,344		645	289,703			0	54,549
Mar-06	20.3	311,000	31,600	6,313		641	296,657			0	55,849
Apr-06	33.0	311,000	31,600	10,263		1,043	307,963			0	79,284
May-06	34.7	311,000	31,600	10,792	34,196	1,097	319,851	24,750		24,750	74,079
Jun-06	52.8	311,000	31,600	16,421		1,668	337,941	34,196		34,196	57,897
Jul-06	20.7	311,000	31,600	6,438		654	345,032			0	59,790
Aug-06	64.6	311,000	31,600	20,091		2,041	367,164			0	60,418
Sep-06	39.2	311,000	31,600	12,191		1,239	380,594			0	63,145
Oct-06	29.3	311,000	31,600	9,112		926	390,633			0	64,860
Nov-06	12.3	311,000	31,600	3,825		389	394,847			0	67,360
Dec-06	17.3	311,000	31,600	5,380		547	400,773			0	69,460

7.4 **Blue WRSA Lysimeter**

A large scale lysimeter was constructed in 2003 to measure and collect precipitation as it passed through the 0.5 meter soil cover. Water quality samples are collected and analyzed. These results are included in Appendix B. The water quality from the large scale lysimeter is consistent with predictions made by SRK Consulting and there is no evidence of metal leaching or transport from the Blue WRSA material within the lysimeter.

The lysimeter also provides a mechanism to measure the overall level of precipitation infiltrating through the soil cover. A tank installed at the base of the Blue WRSA captures and measures the volume of solution that has passed through the cover. Precipitation levels throughout the year are measured and the percent infiltration can be calculated. Table 7.3 summarizes the infiltration rates through the lysimeter cover over the period March 2004 – December 2006. The overall infiltration during this period is estimated at approximately 6% which is significantly less than the predicted rates from the modeling. Figures 7.1 and 7.2 present graphically the infiltration rates through the Blue WRSA cover.

Based on the water quality from the lysimeter and the infiltration rate through the cover, the remediation measures implemented in the Blue WRSA are demonstrated to be effective.

Figure 7.1
Blue WRSA Lysimeter

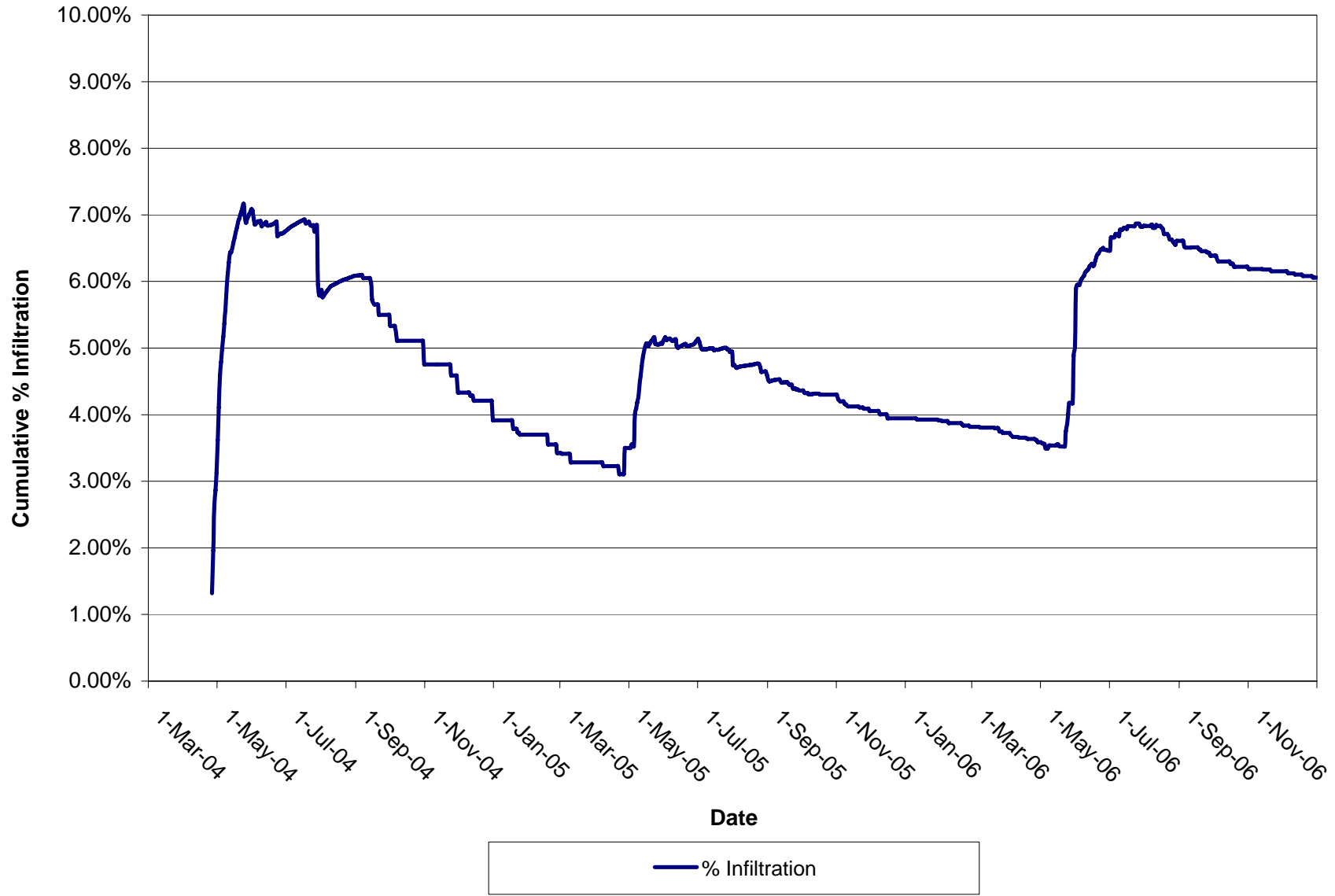


Figure 7.2
Blue WRSA Lysimeter
Soil Cover Infiltration Performance

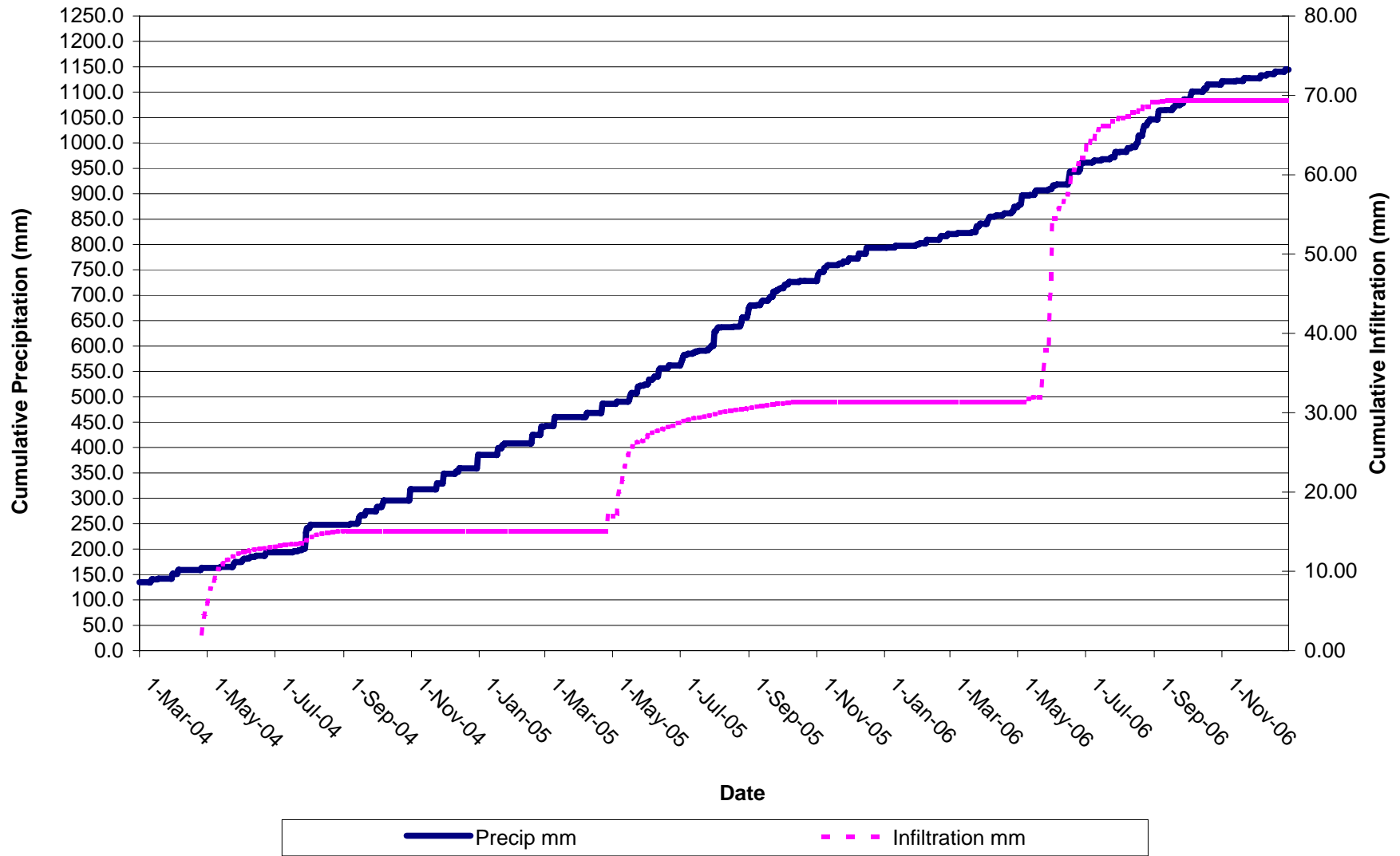


Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O		Cum Precip mm	Cumulative Liters		Cumulative Infiltration mm	Overall % Infiltrate
	Equivalent mm	Precip mm		Precip	Tank liters		
1-Mar-04	133.7	1.3	135.0	13500	0.0		
2-Mar-04			135.0	13500	0.0		
3-Mar-04			135.0	13500	0.0		
4-Mar-04			135.0	13500	0.0		
5-Mar-04			135.0	13500	0.0		
6-Mar-04			135.0	13500	0.0		
7-Mar-04			135.0	13500	0.0		
8-Mar-04			135.0	13500	0.0		
9-Mar-04			135.0	13500	0.0		
10-Mar-04			135.0	13500	0.0		
11-Mar-04			135.0	13500	0.0		
12-Mar-04		5.1	140.1	14010	0.0		
13-Mar-04			140.1	14010	0.0		
14-Mar-04			140.1	14010	0.0		
15-Mar-04			140.1	14010	0.0		
16-Mar-04			140.1	14010	0.0		
17-Mar-04			140.1	14010	0.0		
18-Mar-04		1.7	141.8	14180	0.0		
19-Mar-04			141.8	14180	0.0		
20-Mar-04			141.8	14180	0.0		
21-Mar-04			141.8	14180	0.0		
22-Mar-04			141.8	14180	0.0		
23-Mar-04			141.8	14180	0.0		
24-Mar-04			141.8	14180	0.0		
25-Mar-04			141.8	14180	0.0		
26-Mar-04			141.8	14180	0.0		
27-Mar-04			141.8	14180	0.0		
28-Mar-04			141.8	14180	0.0		
29-Mar-04			141.8	14180	0.0		
30-Mar-04			141.8	14180	0.0		
31-Mar-04		9.4	151.2	15120	0.0		
1-Apr-04			151.2	15120	0.0		
2-Apr-04			151.2	15120	0.0		
3-Apr-04			151.2	15120	0.0		
4-Apr-04			151.2	15120	0.0		
5-Apr-04		7.8	159.0	15900	0.0		
6-Apr-04			159.0	15900	0.0		
7-Apr-04			159.0	15900	0.0		
8-Apr-04			159.0	15900	0.0		
9-Apr-04			159.0	15900	0.0		
10-Apr-04			159.0	15900	0.0		
11-Apr-04			159.0	15900	0.0		
12-Apr-04			159.0	15900	0.0		
13-Apr-04			159.0	15900	0.0		
14-Apr-04			159.0	15900	0.0		
15-Apr-04			159.0	15900	0.0		
16-Apr-04			159.0	15900	0.0		
17-Apr-04			159.0	15900	0.0		
18-Apr-04			159.0	15900	0.0		
19-Apr-04			159.0	15900	0.0		
20-Apr-04			159.0	15900	0.0		
21-Apr-04			159.0	15900	0.0		
22-Apr-04			159.0	15900	0.0		
23-Apr-04			159.0	15900	0.0		
24-Apr-04			159.0	15900	0.0		
25-Apr-04			159.0	15900	0.0		
26-Apr-04		4.1	163.1	16310	215.0	2.15	1.32%
27-Apr-04			163.1	16310	320.0	3.20	1.96%
28-Apr-04			163.1	16310	425.0	4.25	2.61%
29-Apr-04			163.1	16310	467.5	4.68	2.87%
30-Apr-04			163.1	16310	510.0	5.10	3.13%
1-May-04			163.1	16310	590.0	5.90	3.62%
2-May-04			163.1	16310	670.0	6.70	4.11%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O		Cumulative Liters		Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
	Equivalent mm	Precip mm	Cum Precip mm	Precip			
3-May-04			163.1	16310	750.0	7.50	4.60%
4-May-04			163.1	16310	781.3	7.81	4.79%
5-May-04			163.1	16310	812.5	8.13	4.98%
6-May-04			163.1	16310	843.8	8.44	5.17%
7-May-04			163.1	16310	875.0	8.75	5.36%
8-May-04			163.1	16310	916.7	9.17	5.62%
9-May-04			163.1	16310	958.3	9.58	5.88%
10-May-04			163.1	16310	1000.0	10.00	6.13%
11-May-04			163.1	16310	1025.0	10.25	6.28%
12-May-04			163.1	16310	1050.0	10.50	6.44%
13-May-04		2.0	165.1	16510	1062.3	10.62	6.43%
14-May-04			165.1	16510	1074.7	10.75	6.51%
15-May-04			165.1	16510	1087.0	10.87	6.58%
16-May-04			165.1	16510	1099.3	10.99	6.66%
17-May-04			165.1	16510	1111.6	11.12	6.73%
18-May-04			165.1	16510	1124.0	11.24	6.81%
19-May-04			165.1	16510	1136.3	11.36	6.88%
20-May-04			165.1	16510	1145.6	11.46	6.94%
21-May-04			165.1	16510	1155.0	11.55	7.00%
22-May-04			165.1	16510	1164.3	11.64	7.05%
23-May-04			165.1	16510	1173.6	11.74	7.11%
24-May-04			165.1	16510	1182.9	11.83	7.16%
25-May-04		5.5	170.6	17060	1192.3	11.92	6.99%
26-May-04		4.0	174.6	17460	1201.6	12.02	6.88%
27-May-04			174.6	17460	1210.9	12.11	6.94%
28-May-04			174.6	17460	1217.5	12.17	6.97%
29-May-04			174.6	17460	1224.1	12.24	7.01%
30-May-04			174.6	17460	1230.6	12.31	7.05%
31-May-04			174.6	17460	1237.2	12.37	7.09%
1-Jun-04		0.6	175.2	17520	1238.2	12.38	7.07%
2-Jun-04		3.4	178.6	17860	1239.2	12.39	6.94%
3-Jun-04		2.3	180.9	18090	1240.2	12.40	6.86%
4-Jun-04			180.9	18090	1243.3	12.43	6.87%
5-Jun-04			180.9	18090	1246.3	12.46	6.89%
6-Jun-04			180.9	18090	1249.4	12.49	6.91%
7-Jun-04		1.0	181.9	18190	1252.4	12.52	6.89%
8-Jun-04			181.9	18190	1256.7	12.57	6.91%
9-Jun-04		2.8	184.7	18470	1261.0	12.61	6.83%
10-Jun-04			184.7	18470	1265.3	12.65	6.85%
11-Jun-04		0.5	185.2	18520	1269.6	12.70	6.86%
12-Jun-04			185.2	18520	1273.1	12.73	6.87%
13-Jun-04			185.2	18520	1276.7	12.77	6.89%
14-Jun-04		2.0	187.2	18720	1280.2	12.80	6.84%
15-Jun-04			187.2	18720	1280.8	12.81	6.84%
16-Jun-04			187.2	18720	1281.4	12.81	6.85%
17-Jun-04			187.2	18720	1282.0	12.82	6.85%
18-Jun-04			187.2	18720	1282.6	12.83	6.85%
19-Jun-04			187.2	18720	1284.5	12.85	6.86%
20-Jun-04			187.2	18720	1286.4	12.86	6.87%
21-Jun-04			187.2	18720	1288.3	12.88	6.88%
22-Jun-04			187.2	18720	1291.4	12.91	6.90%
23-Jun-04		6.5	193.7	19370	1294.4	12.94	6.68%
24-Jun-04			193.7	19370	1297.5	12.97	6.70%
25-Jun-04			193.7	19370	1300.5	13.01	6.71%
26-Jun-04			193.7	19370	1301.2	13.01	6.72%
27-Jun-04			193.7	19370	1301.9	13.02	6.72%
28-Jun-04			193.7	19370	1302.5	13.03	6.72%
29-Jun-04			193.7	19370	1305.2	13.05	6.74%
30-Jun-04			193.7	19370	1307.9	13.08	6.75%
1-Jul-04			193.7	19370	1310.6	13.11	6.77%
2-Jul-04			193.7	19370	1313.2	13.13	6.78%
3-Jul-04			193.7	19370	1315.9	13.16	6.79%
4-Jul-04			193.7	19370	1318.6	13.19	6.81%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O Equivalent mm	Precip mm	Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
5-Jul-04			193.7	19370	1321.3	13.21	6.82%
6-Jul-04			193.7	19370	1323.2	13.23	6.83%
7-Jul-04			193.7	19370	1325.1	13.25	6.84%
8-Jul-04			193.7	19370	1327.0	13.27	6.85%
9-Jul-04			193.7	19370	1328.9	13.29	6.86%
10-Jul-04			193.7	19370	1330.8	13.31	6.87%
11-Jul-04			193.7	19370	1332.7	13.33	6.88%
12-Jul-04			193.7	19370	1334.6	13.35	6.89%
13-Jul-04			193.7	19370	1336.5	13.37	6.90%
14-Jul-04			193.7	19370	1338.4	13.38	6.91%
15-Jul-04			193.7	19370	1339.9	13.40	6.92%
16-Jul-04			193.7	19370	1341.4	13.41	6.92%
17-Jul-04			193.7	19370	1342.8	13.43	6.93%
18-Jul-04		2.0	195.7	19570	1344.3	13.44	6.87%
19-Jul-04			195.7	19570	1345.8	13.46	6.88%
20-Jul-04			195.7	19570	1347.6	13.48	6.89%
21-Jul-04			195.7	19570	1349.5	13.49	6.90%
22-Jul-04		1.6	197.3	19730	1351.3	13.51	6.85%
23-Jul-04		0.6	197.9	19790	1353.1	13.53	6.84%
24-Jul-04			197.9	19790	1353.9	13.54	6.84%
25-Jul-04			197.9	19790	1354.7	13.55	6.85%
26-Jul-04		3.0	200.9	20090	1355.5	13.56	6.75%
27-Jul-04			200.9	20090	1365.8	13.66	6.80%
28-Jul-04			200.9	20090	1376.1	13.76	6.85%
29-Jul-04		32.0	232.9	23290	1386.4	13.86	5.95%
30-Jul-04		8.4	241.3	24130	1396.8	13.97	5.79%
31-Jul-04			241.3	24130	1407.1	14.07	5.83%
1-Aug-04			241.3	24130	1417.4	14.17	5.87%
2-Aug-04		6.4	247.7	24770	1427.7	14.28	5.76%
3-Aug-04			247.7	24770	1433.5	14.33	5.79%
4-Aug-04			247.7	24770	1439.2	14.39	5.81%
5-Aug-04			247.7	24770	1445.0	14.45	5.83%
6-Aug-04			247.7	24770	1450.8	14.51	5.86%
7-Aug-04			247.7	24770	1456.6	14.57	5.88%
8-Aug-04			247.7	24770	1462.3	14.62	5.90%
9-Aug-04			247.7	24770	1468.1	14.68	5.93%
10-Aug-04			247.7	24770	1470.2	14.70	5.94%
11-Aug-04			247.7	24770	1472.3	14.72	5.94%
12-Aug-04			247.7	24770	1474.3	14.74	5.95%
13-Aug-04			247.7	24770	1476.4	14.76	5.96%
14-Aug-04			247.7	24770	1478.8	14.79	5.97%
15-Aug-04			247.7	24770	1481.3	14.81	5.98%
16-Aug-04			247.7	24770	1483.7	14.84	5.99%
17-Aug-04			247.7	24770	1486.1	14.86	6.00%
18-Aug-04			247.7	24770	1487.8	14.88	6.01%
19-Aug-04			247.7	24770	1489.6	14.90	6.01%
20-Aug-04			247.7	24770	1491.3	14.91	6.02%
21-Aug-04			247.7	24770	1492.8	14.93	6.03%
22-Aug-04			247.7	24770	1494.2	14.94	6.03%
23-Aug-04			247.7	24770	1495.7	14.96	6.04%
24-Aug-04			247.7	24770	1497.2	14.97	6.04%
25-Aug-04			247.7	24770	1498.8	14.99	6.05%
26-Aug-04			247.7	24770	1500.3	15.00	6.06%
27-Aug-04			247.7	24770	1501.8	15.02	6.06%
28-Aug-04			247.7	24770	1503.6	15.04	6.07%
29-Aug-04			247.7	24770	1505.3	15.05	6.08%
30-Aug-04			247.7	24770	1507.1	15.07	6.08%
31-Aug-04			247.7	24770	1507.6	15.08	6.09%
1-Sep-04			247.7	24770	1508.0	15.08	6.09%
2-Sep-04			247.7	24770	1508.5	15.08	6.09%
3-Sep-04			247.7	24770	1508.9	15.09	6.09%
4-Sep-04			247.7	24770	1509.3	15.09	6.09%
5-Sep-04			247.7	24770	1509.8	15.10	6.10%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O Equivalent mm	Precip mm	Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
6-Sep-04			247.7	24770	1510.2	15.10	6.10%
7-Sep-04		2.0	249.7	24970	1510.6	15.11	6.05%
8-Sep-04			249.7	24970	1510.6	15.11	6.05%
9-Sep-04			249.7	24970	1510.6	15.11	6.05%
10-Sep-04			249.7	24970	1510.6	15.11	6.05%
11-Sep-04			249.7	24970	1510.6	15.11	6.05%
12-Sep-04			249.7	24970	1510.6	15.11	6.05%
13-Sep-04			249.7	24970	1510.6	15.11	6.05%
14-Sep-04		3.0	252.7	25270	1510.6	15.11	5.98%
15-Sep-04		11.0	263.7	26370	1510.6	15.11	5.73%
16-Sep-04		2.5	266.2	26620	1510.6	15.11	5.67%
17-Sep-04		1.0	267.2	26720	1510.6	15.11	5.65%
18-Sep-04			267.2	26720	1510.6	15.11	5.65%
19-Sep-04			267.2	26720	1510.6	15.11	5.65%
20-Sep-04			267.2	26720	1510.6	15.11	5.65%
21-Sep-04		7.5	274.7	27470	1510.6	15.11	5.50%
22-Sep-04			274.7	27470	1510.6	15.11	5.50%
23-Sep-04			274.7	27470	1510.6	15.11	5.50%
24-Sep-04			274.7	27470	1510.6	15.11	5.50%
25-Sep-04			274.7	27470	1510.6	15.11	5.50%
26-Sep-04			274.7	27470	1510.6	15.11	5.50%
27-Sep-04			274.7	27470	1510.6	15.11	5.50%
28-Sep-04			274.7	27470	1510.6	15.11	5.50%
29-Sep-04			274.7	27470	1510.6	15.11	5.50%
30-Sep-04			274.7	27470	1510.6	15.11	5.50%
1-Oct-04		8.5	283.2	28320	1510.6	15.11	5.33%
2-Oct-04			283.2	28320	1510.6	15.11	5.33%
3-Oct-04			283.2	28320	1510.6	15.11	5.33%
4-Oct-04			283.2	28320	1510.6	15.11	5.33%
5-Oct-04			283.2	28320	1510.6	15.11	5.33%
6-Oct-04		5.5	288.7	28870	1510.6	15.11	5.23%
7-Oct-04		7.0	295.7	29570	1510.6	15.11	5.11%
8-Oct-04			295.7	29570	1510.6	15.11	5.11%
9-Oct-04			295.7	29570	1510.6	15.11	5.11%
10-Oct-04			295.7	29570	1510.6	15.11	5.11%
11-Oct-04			295.7	29570	1510.6	15.11	5.11%
12-Oct-04			295.7	29570	1510.6	15.11	5.11%
13-Oct-04			295.7	29570	1510.6	15.11	5.11%
14-Oct-04			295.7	29570	1510.6	15.11	5.11%
15-Oct-04			295.7	29570	1510.6	15.11	5.11%
16-Oct-04			295.7	29570	1510.6	15.11	5.11%
17-Oct-04			295.7	29570	1510.6	15.11	5.11%
18-Oct-04			295.7	29570	1510.6	15.11	5.11%
19-Oct-04			295.7	29570	1510.6	15.11	5.11%
20-Oct-04			295.7	29570	1510.6	15.11	5.11%
21-Oct-04			295.7	29570	1510.6	15.11	5.11%
22-Oct-04			295.7	29570	1510.6	15.11	5.11%
23-Oct-04			295.7	29570	1510.6	15.11	5.11%
24-Oct-04			295.7	29570	1510.6	15.11	5.11%
25-Oct-04			295.7	29570	1510.6	15.11	5.11%
26-Oct-04			295.7	29570	1510.6	15.11	5.11%
27-Oct-04			295.7	29570	1510.6	15.11	5.11%
28-Oct-04			295.7	29570	1510.6	15.11	5.11%
29-Oct-04			295.7	29570	1510.6	15.11	5.11%
30-Oct-04			295.7	29570	1510.6	15.11	5.11%
31-Oct-04		22.0	317.7	31770	1510.6	15.11	4.75%
1-Nov-04			317.7	31770	1510.6	15.11	4.75%
2-Nov-04			317.7	31770	1510.6	15.11	4.75%
3-Nov-04			317.7	31770	1510.6	15.11	4.75%
4-Nov-04			317.7	31770	1510.6	15.11	4.75%
5-Nov-04			317.7	31770	1510.6	15.11	4.75%
6-Nov-04			317.7	31770	1510.6	15.11	4.75%
7-Nov-04			317.7	31770	1510.6	15.11	4.75%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O		Cumulative Liters		Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
	Equivalent mm	Precip mm	Cum Precip mm	Precip			
8-Nov-04			317.7	31770	1510.6	15.11	4.75%
9-Nov-04			317.7	31770	1510.6	15.11	4.75%
10-Nov-04			317.7	31770	1510.6	15.11	4.75%
11-Nov-04			317.7	31770	1510.6	15.11	4.75%
12-Nov-04			317.7	31770	1510.6	15.11	4.75%
13-Nov-04			317.7	31770	1510.6	15.11	4.75%
14-Nov-04			317.7	31770	1510.6	15.11	4.75%
15-Nov-04			317.7	31770	1510.6	15.11	4.75%
16-Nov-04			317.7	31770	1510.6	15.11	4.75%
17-Nov-04			317.7	31770	1510.6	15.11	4.75%
18-Nov-04			317.7	31770	1510.6	15.11	4.75%
19-Nov-04			317.7	31770	1510.6	15.11	4.75%
20-Nov-04			317.7	31770	1510.6	15.11	4.75%
21-Nov-04			317.7	31770	1510.6	15.11	4.75%
22-Nov-04			317.7	31770	1510.6	15.11	4.75%
23-Nov-04			317.7	31770	1510.6	15.11	4.75%
24-Nov-04		11.5	329.2	32920	1510.6	15.11	4.59%
25-Nov-04			329.2	32920	1510.6	15.11	4.59%
26-Nov-04			329.2	32920	1510.6	15.11	4.59%
27-Nov-04			329.2	32920	1510.6	15.11	4.59%
28-Nov-04			329.2	32920	1510.6	15.11	4.59%
29-Nov-04			329.2	32920	1510.6	15.11	4.59%
30-Nov-04		19.5	348.7	34870	1510.6	15.11	4.33%
1-Dec-04			348.7	34870	1510.6	15.11	4.33%
2-Dec-04			348.7	34870	1510.6	15.11	4.33%
3-Dec-04			348.7	34870	1510.6	15.11	4.33%
4-Dec-04			348.7	34870	1510.6	15.11	4.33%
5-Dec-04			348.7	34870	1510.6	15.11	4.33%
6-Dec-04			348.7	34870	1510.6	15.11	4.33%
7-Dec-04			348.7	34870	1510.6	15.11	4.33%
8-Dec-04			348.7	34870	1510.6	15.11	4.33%
9-Dec-04			348.7	34870	1510.6	15.11	4.33%
10-Dec-04			348.7	34870	1510.6	15.11	4.33%
11-Dec-04		3.7	352.4	35240	1510.6	15.11	4.29%
12-Dec-04			352.4	35240	1510.6	15.11	4.29%
13-Dec-04			352.4	35240	1510.6	15.11	4.29%
14-Dec-04		6.4	358.8	35880	1510.6	15.11	4.21%
15-Dec-04			358.8	35880	1510.6	15.11	4.21%
16-Dec-04			358.8	35880	1510.6	15.11	4.21%
17-Dec-04			358.8	35880	1510.6	15.11	4.21%
18-Dec-04			358.8	35880	1510.6	15.11	4.21%
19-Dec-04			358.8	35880	1510.6	15.11	4.21%
20-Dec-04			358.8	35880	1510.6	15.11	4.21%
21-Dec-04			358.8	35880	1510.6	15.11	4.21%
22-Dec-04			358.8	35880	1510.6	15.11	4.21%
23-Dec-04			358.8	35880	1510.6	15.11	4.21%
24-Dec-04			358.8	35880	1510.6	15.11	4.21%
25-Dec-04			358.8	35880	1510.6	15.11	4.21%
26-Dec-04			358.8	35880	1510.6	15.11	4.21%
27-Dec-04			358.8	35880	1510.6	15.11	4.21%
28-Dec-04			358.8	35880	1510.6	15.11	4.21%
29-Dec-04			358.8	35880	1510.6	15.11	4.21%
30-Dec-04			358.8	35880	1510.6	15.11	4.21%
31-Dec-04		27.0	385.8	38580	1510.6	15.11	3.92%
1-Jan-05			385.8	38580	1510.6	15.11	3.92%
2-Jan-05			385.8	38580	1510.6	15.11	3.92%
3-Jan-05			385.8	38580	1510.6	15.11	3.92%
4-Jan-05			385.8	38580	1510.6	15.11	3.92%
5-Jan-05			385.8	38580	1510.6	15.11	3.92%
6-Jan-05			385.8	38580	1510.6	15.11	3.92%
7-Jan-05			385.8	38580	1510.6	15.11	3.92%
8-Jan-05			385.8	38580	1510.6	15.11	3.92%
9-Jan-05			385.8	38580	1510.6	15.11	3.92%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O Equivalent mm	Precip mm	Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
10-Jan-05			385.8	38580	1510.6	15.11	3.92%
11-Jan-05			385.8	38580	1510.6	15.11	3.92%
12-Jan-05			385.8	38580	1510.6	15.11	3.92%
13-Jan-05			385.8	38580	1510.6	15.11	3.92%
14-Jan-05			385.8	38580	1510.6	15.11	3.92%
15-Jan-05			385.8	38580	1510.6	15.11	3.92%
16-Jan-05			385.8	38580	1510.6	15.11	3.92%
17-Jan-05			385.8	38580	1510.6	15.11	3.92%
18-Jan-05		13.0	398.8	39880	1510.6	15.11	3.79%
19-Jan-05			398.8	39880	1510.6	15.11	3.79%
20-Jan-05			398.8	39880	1510.6	15.11	3.79%
21-Jan-05			398.8	39880	1510.6	15.11	3.79%
22-Jan-05		6.1	404.9	40490	1510.6	15.11	3.73%
23-Jan-05			404.9	40490	1510.6	15.11	3.73%
24-Jan-05		3.3	408.2	40820	1510.6	15.11	3.70%
25-Jan-05			408.2	40820	1510.6	15.11	3.70%
26-Jan-05			408.2	40820	1510.6	15.11	3.70%
27-Jan-05			408.2	40820	1510.6	15.11	3.70%
28-Jan-05			408.2	40820	1510.6	15.11	3.70%
29-Jan-05			408.2	40820	1510.6	15.11	3.70%
30-Jan-05			408.2	40820	1510.6	15.11	3.70%
31-Jan-05			408.2	40820	1510.6	15.11	3.70%
1-Feb-05			408.2	40820	1510.6	15.11	3.70%
2-Feb-05			408.2	40820	1510.6	15.11	3.70%
3-Feb-05			408.2	40820	1510.6	15.11	3.70%
4-Feb-05			408.2	40820	1510.6	15.11	3.70%
5-Feb-05			408.2	40820	1510.6	15.11	3.70%
6-Feb-05			408.2	40820	1510.6	15.11	3.70%
7-Feb-05			408.2	40820	1510.6	15.11	3.70%
8-Feb-05			408.2	40820	1510.6	15.11	3.70%
9-Feb-05			408.2	40820	1510.6	15.11	3.70%
10-Feb-05			408.2	40820	1510.6	15.11	3.70%
11-Feb-05			408.2	40820	1510.6	15.11	3.70%
12-Feb-05			408.2	40820	1510.6	15.11	3.70%
13-Feb-05			408.2	40820	1510.6	15.11	3.70%
14-Feb-05			408.2	40820	1510.6	15.11	3.70%
15-Feb-05			408.2	40820	1510.6	15.11	3.70%
16-Feb-05			408.2	40820	1510.6	15.11	3.70%
17-Feb-05			408.2	40820	1510.6	15.11	3.70%
18-Feb-05		16.9	425.1	42510	1510.6	15.11	3.55%
19-Feb-05			425.1	42510	1510.6	15.11	3.55%
20-Feb-05			425.1	42510	1510.6	15.11	3.55%
21-Feb-05			425.1	42510	1510.6	15.11	3.55%
22-Feb-05			425.1	42510	1510.6	15.11	3.55%
23-Feb-05			425.1	42510	1510.6	15.11	3.55%
24-Feb-05			425.1	42510	1510.6	15.11	3.55%
25-Feb-05			425.1	42510	1510.6	15.11	3.55%
26-Feb-05		16.3	441.4	44135	1510.6	15.11	3.42%
27-Feb-05			441.4	44135	1510.6	15.11	3.42%
28-Feb-05			441.4	44135	1510.6	15.11	3.42%
1-Mar-05			441.4	44135	1510.6	15.11	3.42%
2-Mar-05		1.3	442.6	44260	1510.6	15.11	3.41%
3-Mar-05			442.6	44260	1510.6	15.11	3.41%
4-Mar-05			442.6	44260	1510.6	15.11	3.41%
5-Mar-05			442.6	44260	1510.6	15.11	3.41%
6-Mar-05			442.6	44260	1510.6	15.11	3.41%
7-Mar-05			442.6	44260	1510.6	15.11	3.41%
8-Mar-05			442.6	44260	1510.6	15.11	3.41%
9-Mar-05			442.6	44260	1510.6	15.11	3.41%
10-Mar-05		17.6	460.2	46020	1510.6	15.11	3.28%
11-Mar-05			460.2	46020	1510.6	15.11	3.28%
12-Mar-05			460.2	46020	1510.6	15.11	3.28%
13-Mar-05			460.2	46020	1510.6	15.11	3.28%

Table 7.3
Brewery Creek Mine
Blue WRSA Lysimeter Performance

Lysimeter Area m²

100

Date	Snowpack H ₂ O		Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
	Equivalent mm	Precip mm					
14-Mar-05			460.2	46020	1510.6	15.11	3.28%
15-Mar-05			460.2	46020	1510.6	15.11	3.28%
16-Mar-05			460.2	46020	1510.6	15.11	3.28%
17-Mar-05			460.2	46020	1510.6	15.11	3.28%
18-Mar-05			460.2	46020	1510.6	15.11	3.28%
19-Mar-05			460.2	46020	1510.6	15.11	3.28%
20-Mar-05			460.2	46020	1510.6	15.11	3.28%
21-Mar-05			460.2	46020	1510.6	15.11	3.28%
22-Mar-05			460.2	46020	1510.6	15.11	3.28%
23-Mar-05			460.2	46020	1510.6	15.11	3.28%
24-Mar-05			460.2	46020	1510.6	15.11	3.28%
25-Mar-05			460.2	46020	1510.6	15.11	3.28%
26-Mar-05			460.2	46020	1510.6	15.11	3.28%
27-Mar-05			460.2	46020	1510.6	15.11	3.28%
28-Mar-05			460.2	46020	1510.6	15.11	3.28%
29-Mar-05			460.2	46020	1510.6	15.11	3.28%
30-Mar-05			460.2	46020	1510.6	15.11	3.28%
31-Mar-05			460.2	46020	1510.6	15.11	3.28%
1-Apr-05			460.2	46020	1510.6	15.11	3.28%
2-Apr-05			460.2	46020	1510.6	15.11	3.28%
3-Apr-05			460.2	46020	1510.6	15.11	3.28%
4-Apr-05			460.2	46020	1510.6	15.11	3.28%
5-Apr-05			460.2	46020	1510.6	15.11	3.28%
6-Apr-05			460.2	46020	1510.6	15.11	3.28%
7-Apr-05			460.2	46020	1510.6	15.11	3.28%
8-Apr-05		8.0	468.2	46820	1510.6	15.11	3.23%
9-Apr-05			468.2	46820	1510.6	15.11	3.23%
10-Apr-05			468.2	46820	1510.6	15.11	3.23%
11-Apr-05			468.2	46820	1510.6	15.11	3.23%
12-Apr-05			468.2	46820	1510.6	15.11	3.23%
13-Apr-05			468.2	46820	1510.6	15.11	3.23%
14-Apr-05			468.2	46820	1510.6	15.11	3.23%
15-Apr-05			468.2	46820	1510.6	15.11	3.23%
16-Apr-05			468.2	46820	1510.6	15.11	3.23%
17-Apr-05			468.2	46820	1510.6	15.11	3.23%
18-Apr-05			468.2	46820	1510.6	15.11	3.23%
19-Apr-05			468.2	46820	1510.6	15.11	3.23%
20-Apr-05			468.2	46820	1510.6	15.11	3.23%
21-Apr-05			468.2	46820	1510.6	15.11	3.23%
22-Apr-05		18.0	486.2	48620	1510.6	15.11	3.11%
23-Apr-05			486.2	48620	1510.6	15.11	3.11%
24-Apr-05			486.2	48620	1510.6	15.11	3.11%
25-Apr-05			486.2	48620	1510.6	15.11	3.11%
26-Apr-05			486.2	48620	1510.6	15.11	3.11%
27-Apr-05			486.2	48620	1700.6	17.01	3.50%
28-Apr-05			486.2	48620	1700.6	17.01	3.50%
29-Apr-05			486.2	48620	1700.6	17.01	3.50%
30-Apr-05			486.2	48620	1700.6	17.01	3.50%
1-May-05			486.2	48620	1700.6	17.01	3.50%
2-May-05			486.2	48620	1700.6	17.01	3.50%
3-May-05			486.2	48620	1726.8	17.27	3.55%
4-May-05			486.2	48620	1726.8	17.27	3.55%
5-May-05		4.0	490.2	49020	1726.8	17.27	3.52%
6-May-05			490.2	49020	1962.2	19.62	4.00%
7-May-05			490.2	49020	2005.8	20.06	4.09%
8-May-05			490.2	49020	2049.4	20.49	4.18%
9-May-05			490.2	49020	2093.0	20.93	4.27%
10-May-05			490.2	49020	2171.5	21.72	4.43%
11-May-05			490.2	49020	2250.0	22.50	4.59%
12-May-05			490.2	49020	2315.4	23.15	4.72%
13-May-05			490.2	49020	2387.4	23.87	4.87%
14-May-05			490.2	49020	2424.8	24.25	4.95%
15-May-05			490.2	49020	2462.2	24.62	5.02%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O Equivalent mm	Precip mm	Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
16-May-05		3.0	493.2	49320	2499.6	25.00	5.07%
17-May-05		8.0	501.2	50120	2537.8	25.38	5.06%
18-May-05		6.0	507.2	50720	2550.9	25.51	5.03%
19-May-05			507.2	50720	2570.5	25.70	5.07%
20-May-05			507.2	50720	2583.6	25.84	5.09%
21-May-05			507.2	50720	2595.0	25.95	5.12%
22-May-05			507.2	50720	2606.5	26.06	5.14%
23-May-05			507.2	50720	2617.9	26.18	5.16%
24-May-05		12.5	519.7	51970	2629.4	26.29	5.06%
25-May-05			519.7	51970	2631.6	26.32	5.06%
26-May-05		2.0	521.7	52170	2633.8	26.34	5.05%
27-May-05			521.7	52170	2636.0	26.36	5.05%
28-May-05			521.7	52170	2642.0	26.42	5.06%
29-May-05			521.7	52170	2648.0	26.48	5.08%
30-May-05		2.4	524.1	52410	2654.0	26.54	5.06%
31-May-05			524.1	52410	2673.5	26.73	5.10%
1-Jun-05			524.1	52410	2692.9	26.93	5.14%
2-Jun-05		1.4	525.5	52550	2712.4	27.12	5.16%
3-Jun-05		7.9	533.4	53340	2731.8	27.32	5.12%
4-Jun-05			533.4	53340	2737.0	27.37	5.13%
5-Jun-05			533.4	53340	2742.1	27.42	5.14%
6-Jun-05		0.8	534.2	53420	2747.3	27.47	5.14%
7-Jun-05		3.0	537.2	53720	2752.4	27.52	5.12%
8-Jun-05		3.0	540.2	54020	2757.6	27.58	5.10%
9-Jun-05			540.2	54020	2762.7	27.63	5.11%
10-Jun-05			540.2	54020	2767.9	27.68	5.12%
11-Jun-05			540.2	54020	2773.0	27.73	5.13%
12-Jun-05		12.5	552.7	55270	2778.2	27.78	5.03%
13-Jun-05		3.5	556.2	55620	2783.3	27.83	5.00%
14-Jun-05			556.2	55620	2788.5	27.88	5.01%
15-Jun-05			556.2	55620	2793.6	27.94	5.02%
16-Jun-05			556.2	55620	2798.8	27.99	5.03%
17-Jun-05			556.2	55620	2803.9	28.04	5.04%
18-Jun-05			556.2	55620	2809.1	28.09	5.05%
19-Jun-05			556.2	55620	2814.2	28.14	5.06%
20-Jun-05		1.0	557.2	55720	2819.4	28.19	5.06%
21-Jun-05		4.5	561.7	56170	2822.3	28.22	5.02%
22-Jun-05			561.7	56170	2825.2	28.25	5.03%
23-Jun-05			561.7	56170	2828.2	28.28	5.04%
24-Jun-05			561.7	56170	2831.1	28.31	5.04%
25-Jun-05			561.7	56170	2834.1	28.34	5.05%
26-Jun-05			561.7	56170	2837.0	28.37	5.05%
27-Jun-05			561.7	56170	2840.0	28.40	5.06%
28-Jun-05			561.7	56170	2851.5	28.52	5.08%
29-Jun-05			561.7	56170	2863.1	28.63	5.10%
30-Jun-05			561.7	56170	2874.7	28.75	5.12%
1-Jul-05			561.7	56170	2886.3	28.86	5.14%
2-Jul-05		6.0	567.7	56770	2889.7	28.90	5.09%
3-Jul-05		6.5	574.2	57420	2893.2	28.93	5.04%
4-Jul-05		6.5	580.7	58070	2896.6	28.97	4.99%
5-Jul-05		2.0	582.7	58270	2900.0	29.00	4.98%
6-Jul-05			582.7	58270	2903.5	29.03	4.98%
7-Jul-05			582.7	58270	2906.9	29.07	4.99%
8-Jul-05		2.0	584.7	58470	2910.3	29.10	4.98%
9-Jul-05			584.7	58470	2913.8	29.14	4.98%
10-Jul-05			584.7	58470	2917.2	29.17	4.99%
11-Jul-05			584.7	58470	2920.6	29.21	5.00%
12-Jul-05			584.7	58470	2924.1	29.24	5.00%
13-Jul-05		2.0	586.7	58670	2927.5	29.28	4.99%
14-Jul-05			586.7	58670	2930.9	29.31	5.00%
15-Jul-05		2.6	589.3	58930	2927.5	29.28	4.97%
16-Jul-05			589.3	58930	2930.6	29.31	4.97%
17-Jul-05			589.3	58930	2933.7	29.34	4.98%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O Equivalent mm	Precip mm	Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
18-Jul-05		1.4	590.7	59070	2936.8	29.37	4.97%
19-Jul-05			590.7	59070	2939.9	29.40	4.98%
20-Jul-05			590.7	59070	2943.0	29.43	4.98%
21-Jul-05			590.7	59070	2946.0	29.46	4.99%
22-Jul-05			590.7	59070	2949.1	29.49	4.99%
23-Jul-05			590.7	59070	2952.2	29.52	5.00%
24-Jul-05			590.7	59070	2955.3	29.55	5.00%
25-Jul-05		0.7	591.4	59140	2958.4	29.58	5.00%
26-Jul-05		0.3	591.7	59170	2961.3	29.61	5.00%
27-Jul-05		3.9	595.6	59560	2963.9	29.64	4.98%
28-Jul-05			595.6	59560	2966.0	29.66	4.98%
29-Jul-05		5.0	600.6	60060	2967.9	29.68	4.94%
30-Jul-05			600.6	60060	2969.5	29.69	4.94%
31-Jul-05			600.6	60060	2970.8	29.71	4.95%
1-Aug-05		28.0	628.6	62860	2979.0	29.79	4.74%
2-Aug-05			628.6	62860	2983.4	29.83	4.75%
3-Aug-05		4.0	632.6	63260	2987.8	29.88	4.72%
4-Aug-05		3.8	636.4	63640	2992.2	29.92	4.70%
5-Aug-05			636.4	63640	2996.7	29.97	4.71%
6-Aug-05			636.4	63640	3001.1	30.01	4.72%
7-Aug-05			636.4	63640	3005.5	30.05	4.72%
8-Aug-05		0.5	636.9	63690	3009.9	30.10	4.73%
9-Aug-05			636.9	63690	3011.4	30.11	4.73%
10-Aug-05			636.9	63690	3012.8	30.13	4.73%
11-Aug-05			636.9	63690	3014.3	30.14	4.73%
12-Aug-05			636.9	63690	3015.8	30.16	4.74%
13-Aug-05			636.9	63690	3017.3	30.17	4.74%
14-Aug-05			636.9	63690	3018.7	30.19	4.74%
15-Aug-05			636.9	63690	3020.2	30.20	4.74%
16-Aug-05			636.9	63690	3023.1	30.23	4.75%
17-Aug-05			636.9	63690	3026.1	30.26	4.75%
18-Aug-05		1.0	637.9	63790	3029.0	30.29	4.75%
19-Aug-05			637.9	63790	3032.0	30.32	4.75%
20-Aug-05			637.9	63790	3034.9	30.35	4.76%
21-Aug-05			637.9	63790	3037.9	30.38	4.76%
22-Aug-05			637.9	63790	3040.8	30.41	4.77%
23-Aug-05			637.9	63790	3041.9	30.42	4.77%
24-Aug-05		1.0	638.9	63890	3043.1	30.43	4.76%
25-Aug-05		7.0	645.9	64590	3044.2	30.44	4.71%
26-Aug-05		10.2	656.1	65610	3045.4	30.45	4.64%
27-Aug-05			656.1	65610	3046.5	30.47	4.64%
28-Aug-05			656.1	65610	3047.7	30.48	4.65%
29-Aug-05			656.1	65610	3048.8	30.49	4.65%
30-Aug-05			656.1	65610	3050.0	30.50	4.65%
31-Aug-05		8.2	664.3	66430	3051.1	30.51	4.59%
1-Sep-05		10.4	674.7	67470	3054.4	30.54	4.53%
2-Sep-05		5.0	679.7	67970	3057.8	30.58	4.50%
3-Sep-05			679.7	67970	3061.1	30.61	4.50%
4-Sep-05			679.7	67970	3064.4	30.64	4.51%
5-Sep-05			679.7	67970	3067.8	30.68	4.51%
6-Sep-05			679.7	67970	3071.1	30.71	4.52%
7-Sep-05		0.5	680.2	68020	3074.4	30.74	4.52%
8-Sep-05			680.2	68020	3077.8	30.78	4.52%
9-Sep-05		0.5	680.7	68070	3081.1	30.81	4.53%
10-Sep-05			680.7	68070	3082.7	30.83	4.53%
11-Sep-05			680.7	68070	3084.2	30.84	4.53%
12-Sep-05		4.5	685.2	68520	3085.8	30.86	4.50%
13-Sep-05		4.0	689.2	68920	3087.3	30.87	4.48%
14-Sep-05			689.2	68920	3088.9	30.89	4.48%
15-Sep-05			689.2	68920	3090.5	30.90	4.48%
16-Sep-05		0.2	689.4	68940	3092.0	30.92	4.49%
17-Sep-05			689.4	68940	3093.6	30.94	4.49%
18-Sep-05			689.4	68940	3095.1	30.95	4.49%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O		Cum Precip mm	Cumulative Liters	Cumulative	Cumulative	Overall % Infiltrate
	Equivalent mm	Precip mm		Precip	Tank liters	Infiltration mm	
19-Sep-05		4.0	693.4	69340	3096.7	30.97	4.47%
20-Sep-05		3.0	696.4	69640	3098.3	30.98	4.45%
21-Sep-05		0.5	696.9	69690	3099.8	31.00	4.45%
22-Sep-05			696.9	69690	3101.4	31.01	4.45%
23-Sep-05		10.0	706.9	70690	3102.9	31.03	4.39%
24-Sep-05			706.9	70690	3104.5	31.05	4.39%
25-Sep-05			706.9	70690	3106.1	31.06	4.39%
26-Sep-05		3.0	709.9	70990	3107.6	31.08	4.38%
27-Sep-05			709.9	70990	3109.2	31.09	4.38%
28-Sep-05		2.2	712.1	71210	3110.8	31.11	4.37%
29-Sep-05		1.6	713.7	71370	3112.3	31.12	4.36%
30-Sep-05		0.5	714.2	71420	3113.9	31.14	4.36%
1-Oct-05			714.2	71420	3115.4	31.15	4.36%
2-Oct-05			714.2	71420	3117.0	31.17	4.36%
3-Oct-05		6.0	720.2	72020	3118.6	31.19	4.33%
4-Oct-05		1.5	721.7	72170	3120.1	31.20	4.32%
5-Oct-05			721.7	72170	3121.7	31.22	4.33%
6-Oct-05			721.7	72170	3123.2	31.23	4.33%
7-Oct-05		4.4	726.1	72610	3124.8	31.25	4.30%
8-Oct-05			726.1	72610	3126.4	31.26	4.31%
9-Oct-05			726.1	72610	3127.9	31.28	4.31%
10-Oct-05			726.1	72610	3129.5	31.29	4.31%
11-Oct-05			726.1	72610	3131.0	31.31	4.31%
12-Oct-05			726.1	72610	3132.6	31.33	4.31%
13-Oct-05			726.1	72610	3132.6	31.33	4.31%
14-Oct-05			726.1	72610	3132.6	31.33	4.31%
15-Oct-05			726.1	72610	3132.6	31.33	4.31%
16-Oct-05			726.1	72610	3132.6	31.33	4.31%
17-Oct-05		2.0	728.1	72810	3132.6	31.33	4.30%
18-Oct-05			728.1	72810	3132.6	31.33	4.30%
19-Oct-05			728.1	72810	3132.6	31.33	4.30%
20-Oct-05			728.1	72810	3132.6	31.33	4.30%
21-Oct-05			728.1	72810	3132.6	31.33	4.30%
22-Oct-05			728.1	72810	3132.6	31.33	4.30%
23-Oct-05			728.1	72810	3132.6	31.33	4.30%
24-Oct-05			728.1	72810	3132.6	31.33	4.30%
25-Oct-05			728.1	72810	3132.6	31.33	4.30%
26-Oct-05			728.1	72810	3132.6	31.33	4.30%
27-Oct-05			728.1	72810	3132.6	31.33	4.30%
28-Oct-05			728.1	72810	3132.6	31.33	4.30%
29-Oct-05			728.1	72810	3132.6	31.33	4.30%
30-Oct-05			728.1	72810	3132.6	31.33	4.30%
31-Oct-05			728.1	72810	3132.6	31.33	4.30%
1-Nov-05			728.1	72810	3132.6	31.33	4.30%
2-Nov-05		11.2	739.3	73931	3132.6	31.33	4.24%
3-Nov-05		4.0	743.3	74331	3132.6	31.33	4.21%
4-Nov-05		3.0	746.3	74631	3132.6	31.33	4.20%
5-Nov-05			746.3	74631	3132.6	31.33	4.20%
6-Nov-05			746.3	74631	3132.6	31.33	4.20%
7-Nov-05			746.3	74631	3132.6	31.33	4.20%
8-Nov-05		7.3	753.6	75361	3132.6	31.33	4.16%
9-Nov-05			753.6	75361	3132.6	31.33	4.16%
10-Nov-05		3.8	757.4	75741	3132.6	31.33	4.14%
11-Nov-05		2.0	759.4	75941	3132.6	31.33	4.13%
12-Nov-05			759.4	75941	3132.6	31.33	4.13%
13-Nov-05			759.4	75941	3132.6	31.33	4.13%
14-Nov-05			759.4	75941	3132.6	31.33	4.13%
15-Nov-05			759.4	75941	3132.6	31.33	4.13%
16-Nov-05			759.4	75941	3132.6	31.33	4.13%
17-Nov-05			759.4	75941	3132.6	31.33	4.13%
18-Nov-05			759.4	75941	3132.6	31.33	4.13%
19-Nov-05			759.4	75941	3132.6	31.33	4.13%
20-Nov-05			759.4	75941	3132.6	31.33	4.13%

Table 7.3

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O		Cum Precip mm	Cumulative Liters	Cumulative	Cumulative	Overall % Infiltrate
	Equivalent mm	Precip mm		Precip	Tank liters	Infiltration mm	
21-Nov-05		3.1	762.5	76251	3132.6	31.33	4.11%
22-Nov-05			762.5	76251	3132.6	31.33	4.11%
23-Nov-05			762.5	76251	3132.6	31.33	4.11%
24-Nov-05			762.5	76251	3132.6	31.33	4.11%
25-Nov-05		3.8	766.3	76631	3132.6	31.33	4.09%
26-Nov-05			766.3	76631	3132.6	31.33	4.09%
27-Nov-05			766.3	76631	3132.6	31.33	4.09%
28-Nov-05			766.3	76631	3132.6	31.33	4.09%
29-Nov-05			766.3	76631	3132.6	31.33	4.09%
30-Nov-05		6.3	772.6	77256	3132.6	31.33	4.05%
1-Dec-05			772.6	77256	3132.6	31.33	4.05%
2-Dec-05			772.6	77256	3132.6	31.33	4.05%
3-Dec-05			772.6	77256	3132.6	31.33	4.05%
4-Dec-05			772.6	77256	3132.6	31.33	4.05%
5-Dec-05			772.6	77256	3132.6	31.33	4.05%
6-Dec-05			772.6	77256	3132.6	31.33	4.05%
7-Dec-05			772.6	77256	3132.6	31.33	4.05%
8-Dec-05			772.6	77256	3132.6	31.33	4.05%
9-Dec-05		9.3	781.9	78186	3132.6	31.33	4.01%
10-Dec-05			781.9	78186	3132.6	31.33	4.01%
11-Dec-05			781.9	78186	3132.6	31.33	4.01%
12-Dec-05			781.9	78186	3132.6	31.33	4.01%
13-Dec-05			781.9	78186	3132.6	31.33	4.01%
14-Dec-05			781.9	78186	3132.6	31.33	4.01%
15-Dec-05			781.9	78186	3132.6	31.33	4.01%
16-Dec-05		11.8	793.7	79366	3132.6	31.33	3.95%
17-Dec-05			793.7	79366	3132.6	31.33	3.95%
18-Dec-05			793.7	79366	3132.6	31.33	3.95%
19-Dec-05			793.7	79366	3132.6	31.33	3.95%
20-Dec-05			793.7	79366	3132.6	31.33	3.95%
21-Dec-05			793.7	79366	3132.6	31.33	3.95%
22-Dec-05			793.7	79366	3132.6	31.33	3.95%
23-Dec-05			793.7	79366	3132.6	31.33	3.95%
24-Dec-05			793.7	79366	3132.6	31.33	3.95%
25-Dec-05			793.7	79366	3132.6	31.33	3.95%
26-Dec-05			793.7	79366	3132.6	31.33	3.95%
27-Dec-05			793.7	79366	3132.6	31.33	3.95%
28-Dec-05			793.7	79366	3132.6	31.33	3.95%
29-Dec-05			793.7	79366	3132.6	31.33	3.95%
30-Dec-05			793.7	79366	3132.6	31.33	3.95%
31-Dec-05			793.7	79366	3132.6	31.33	3.95%
1-Jan-06			793.7	79366	3132.6	31.33	3.95%
2-Jan-06			793.7	79366	3132.6	31.33	3.95%
3-Jan-06			793.7	79366	3132.6	31.33	3.95%
4-Jan-06		0.2	793.9	79386	3132.6	31.33	3.95%
5-Jan-06			793.9	79386	3132.6	31.33	3.95%
6-Jan-06			793.9	79386	3132.6	31.33	3.95%
7-Jan-06			793.9	79386	3132.6	31.33	3.95%
8-Jan-06			793.9	79386	3132.6	31.33	3.95%
9-Jan-06			793.9	79386	3132.6	31.33	3.95%
10-Jan-06			793.9	79386	3132.6	31.33	3.95%
11-Jan-06		3.7	797.6	79756	3132.6	31.33	3.93%
12-Jan-06			797.6	79756	3132.6	31.33	3.93%
13-Jan-06			797.6	79756	3132.6	31.33	3.93%
14-Jan-06			797.6	79756	3132.6	31.33	3.93%
15-Jan-06			797.6	79756	3132.6	31.33	3.93%
16-Jan-06			797.6	79756	3132.6	31.33	3.93%
17-Jan-06			797.6	79756	3132.6	31.33	3.93%
18-Jan-06			797.6	79756	3132.6	31.33	3.93%
19-Jan-06			797.6	79756	3132.6	31.33	3.93%
20-Jan-06			797.6	79756	3132.6	31.33	3.93%
21-Jan-06			797.6	79756	3132.6	31.33	3.93%
22-Jan-06			797.6	79756	3132.6	31.33	3.93%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O		Cumulative Liters		Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
	Equivalent mm	Precip mm	Cum Precip mm	Precip			
23-Jan-06			797.6	79756	3132.6	31.33	3.93%
24-Jan-06			797.6	79756	3132.6	31.33	3.93%
25-Jan-06			797.6	79756	3132.6	31.33	3.93%
26-Jan-06			797.6	79756	3132.6	31.33	3.93%
27-Jan-06			797.6	79756	3132.6	31.33	3.93%
28-Jan-06			797.6	79756	3132.6	31.33	3.93%
29-Jan-06			797.6	79756	3132.6	31.33	3.93%
30-Jan-06		2.5	800.1	80006	3132.6	31.33	3.92%
31-Jan-06			800.1	80006	3132.6	31.33	3.92%
1-Feb-06			800.1	80006	3132.6	31.33	3.92%
2-Feb-06		2.6	802.7	80266	3132.6	31.33	3.90%
3-Feb-06			802.7	80266	3132.6	31.33	3.90%
4-Feb-06			802.7	80266	3132.6	31.33	3.90%
5-Feb-06			802.7	80266	3132.6	31.33	3.90%
6-Feb-06			802.7	80266	3132.6	31.33	3.90%
7-Feb-06			802.7	80266	3132.6	31.33	3.90%
8-Feb-06		6.4	809.1	80906	3132.6	31.33	3.87%
9-Feb-06			809.1	80906	3132.6	31.33	3.87%
10-Feb-06			809.1	80906	3132.6	31.33	3.87%
11-Feb-06			809.1	80906	3132.6	31.33	3.87%
12-Feb-06			809.1	80906	3132.6	31.33	3.87%
13-Feb-06			809.1	80906	3132.6	31.33	3.87%
14-Feb-06			809.1	80906	3132.6	31.33	3.87%
15-Feb-06			809.1	80906	3132.6	31.33	3.87%
16-Feb-06			809.1	80906	3132.6	31.33	3.87%
17-Feb-06			809.1	80906	3132.6	31.33	3.87%
18-Feb-06			809.1	80906	3132.6	31.33	3.87%
19-Feb-06			809.1	80906	3132.6	31.33	3.87%
20-Feb-06		3.4	812.5	81246	3132.6	31.33	3.86%
21-Feb-06		4.0	816.5	81646	3132.6	31.33	3.84%
22-Feb-06			816.5	81646	3132.6	31.33	3.84%
23-Feb-06			816.5	81646	3132.6	31.33	3.84%
24-Feb-06			816.5	81646	3132.6	31.33	3.84%
25-Feb-06			816.5	81646	3132.6	31.33	3.84%
26-Feb-06			816.5	81646	3132.6	31.33	3.84%
27-Feb-06		4.0	820.5	82046	3132.6	31.33	3.82%
28-Feb-06			820.5	82046	3132.6	31.33	3.82%
1-Mar-06			820.5	82046	3132.6	31.33	3.82%
2-Mar-06			820.5	82046	3132.6	31.33	3.82%
3-Mar-06			820.5	82046	3132.6	31.33	3.82%
4-Mar-06			820.5	82046	3132.6	31.33	3.82%
5-Mar-06			820.5	82046	3132.6	31.33	3.82%
6-Mar-06			820.5	82046	3132.6	31.33	3.82%
7-Mar-06			820.5	82046	3132.6	31.33	3.82%
8-Mar-06		2.3	822.8	82276	3132.6	31.33	3.81%
9-Mar-06			822.8	82276	3132.6	31.33	3.81%
10-Mar-06			822.8	82276	3132.6	31.33	3.81%
11-Mar-06			822.8	82276	3132.6	31.33	3.81%
12-Mar-06			822.8	82276	3132.6	31.33	3.81%
13-Mar-06			822.8	82276	3132.6	31.33	3.81%
14-Mar-06			822.8	82276	3132.6	31.33	3.81%
15-Mar-06			822.8	82276	3132.6	31.33	3.81%
16-Mar-06			822.8	82276	3132.6	31.33	3.81%
17-Mar-06			822.8	82276	3132.6	31.33	3.81%
18-Mar-06			822.8	82276	3132.6	31.33	3.81%
19-Mar-06			822.8	82276	3132.6	31.33	3.81%
20-Mar-06			822.8	82276	3132.6	31.33	3.81%
21-Mar-06		2.0	824.8	82476	3132.6	31.33	3.80%
22-Mar-06			824.8	82476	3132.6	31.33	3.80%
23-Mar-06			824.8	82476	3132.6	31.33	3.80%
24-Mar-06			824.8	82476	3132.6	31.33	3.80%
25-Mar-06		11.0	835.8	83576	3132.6	31.33	3.75%
26-Mar-06			835.8	83576	3132.6	31.33	3.75%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O Equivalent mm	Precip mm	Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
27-Mar-06			835.8	83576	3132.6	31.33	3.75%
28-Mar-06		5.0	840.8	84076	3132.6	31.33	3.73%
29-Mar-06			840.8	84076	3132.6	31.33	3.73%
30-Mar-06			840.8	84076	3132.6	31.33	3.73%
31-Mar-06			840.8	84076	3132.6	31.33	3.73%
1-Apr-06			840.8	84076	3132.6	31.33	3.73%
2-Apr-06			840.8	84076	3132.6	31.33	3.73%
3-Apr-06			840.8	84076	3132.6	31.33	3.73%
4-Apr-06		6.0	846.8	84676	3132.6	31.33	3.70%
5-Apr-06		4.6	851.4	85136	3132.6	31.33	3.68%
6-Apr-06		3.6	855.0	85496	3132.6	31.33	3.66%
7-Apr-06			855.0	85496	3132.6	31.33	3.66%
8-Apr-06			855.0	85496	3132.6	31.33	3.66%
9-Apr-06			855.0	85496	3132.6	31.33	3.66%
10-Apr-06			855.0	85496	3132.6	31.33	3.66%
11-Apr-06		1.2	856.2	85616	3132.6	31.33	3.66%
12-Apr-06		1.0	857.2	85716	3132.6	31.33	3.65%
13-Apr-06			857.2	85716	3132.6	31.33	3.65%
14-Apr-06			857.2	85716	3132.6	31.33	3.65%
15-Apr-06			857.2	85716	3132.6	31.33	3.65%
16-Apr-06			857.2	85716	3132.6	31.33	3.65%
17-Apr-06			857.2	85716	3132.6	31.33	3.65%
18-Apr-06		1.7	858.9	85886	3132.6	31.33	3.65%
19-Apr-06		2.6	861.5	86146	3132.6	31.33	3.64%
20-Apr-06			861.5	86146	3132.6	31.33	3.64%
21-Apr-06			861.5	86146	3132.6	31.33	3.64%
22-Apr-06			861.5	86146	3132.6	31.33	3.64%
23-Apr-06			861.5	86146	3132.6	31.33	3.64%
24-Apr-06			861.5	86146	3132.6	31.33	3.64%
25-Apr-06			861.5	86146	3132.6	31.33	3.64%
26-Apr-06		3.2	864.7	86466	3132.6	31.33	3.62%
27-Apr-06		1.4	866.1	86606	3132.6	31.33	3.62%
28-Apr-06		7.7	873.8	87376	3132.6	31.33	3.59%
29-Apr-06			873.8	87376	3132.6	31.33	3.59%
30-Apr-06			873.8	87376	3132.6	31.33	3.59%
1-May-06			873.8	87376	3132.6	31.33	3.59%
2-May-06		4.0	877.8	87776	3132.6	31.33	3.57%
3-May-06			877.8	87776	3132.6	31.33	3.57%
4-May-06		2.0	879.8	87976	3132.6	31.33	3.56%
5-May-06		17.0	896.8	89676	3132.6	31.33	3.49%
6-May-06			896.8	89676	3132.6	31.33	3.49%
7-May-06			896.8	89676	3132.6	31.33	3.49%
8-May-06			896.8	89676	3173.8	31.74	3.54%
9-May-06			896.8	89676	3173.8	31.74	3.54%
10-May-06			896.8	89676	3173.8	31.74	3.54%
11-May-06			896.8	89676	3173.8	31.74	3.54%
12-May-06		0.8	897.6	89756	3173.8	31.74	3.54%
13-May-06			897.6	89756	3173.8	31.74	3.54%
14-May-06			897.6	89756	3173.8	31.74	3.54%
15-May-06			897.6	89756	3187.6	31.88	3.55%
16-May-06		0.5	898.1	89806	3194.5	31.94	3.56%
17-May-06		7.0	905.1	90506	3194.5	31.94	3.53%
18-May-06		1.4	906.5	90646	3194.5	31.94	3.52%
19-May-06			906.5	90646	3194.5	31.94	3.52%
20-May-06			906.5	90646	3194.5	31.94	3.52%
21-May-06			906.5	90646	3194.5	31.94	3.52%
22-May-06			906.5	90646	3194.5	31.94	3.52%
23-May-06			906.5	90646	3400.7	34.01	3.75%
24-May-06			906.5	90646	3496.9	34.97	3.86%
25-May-06			906.5	90646	3634.4	36.34	4.01%
26-May-06			906.5	90646	3785.6	37.86	4.18%
27-May-06			906.5	90646	3785.6	37.86	4.18%
28-May-06			906.5	90646	3785.6	37.86	4.18%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O Equivalent mm	Precip mm	Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
29-May-06		2.0	908.5	90846	3785.6	37.86	4.17%
30-May-06			908.5	90846	4438.6	44.39	4.89%
31-May-06			908.5	90846	4562.3	45.62	5.02%
1-Jun-06		3.0	911.5	91146	5366.5	53.66	5.89%
2-Jun-06		4.6	916.1	91606	5448.9	54.49	5.95%
3-Jun-06			916.1	91606	5448.9	54.49	5.95%
4-Jun-06			916.1	91606	5448.9	54.49	5.95%
5-Jun-06		2.0	918.1	91806	5510.8	55.11	6.00%
6-Jun-06			918.1	91806	5545.2	55.45	6.04%
7-Jun-06			918.1	91806	5565.8	55.66	6.06%
8-Jun-06			918.1	91806	5586.4	55.86	6.09%
9-Jun-06			918.1	91806	5627.7	56.28	6.13%
10-Jun-06			918.1	91806	5648.3	56.48	6.15%
11-Jun-06			918.1	91806	5662.0	56.62	6.17%
12-Jun-06			918.1	91806	5682.6	56.83	6.19%
13-Jun-06			918.1	91806	5717.0	57.17	6.23%
14-Jun-06			918.1	91806	5730.8	57.31	6.24%
15-Jun-06			918.1	91806	5751.4	57.51	6.26%
16-Jun-06		8.1	926.2	92616	5772.0	57.72	6.23%
17-Jun-06		17.0	943.2	94316	5888.8	58.89	6.24%
18-Jun-06		0.3	943.5	94346	5957.6	59.58	6.31%
19-Jun-06			943.5	94346	6005.7	60.06	6.37%
20-Jun-06			943.5	94346	6046.9	60.47	6.41%
21-Jun-06			943.5	94346	6060.7	60.61	6.42%
22-Jun-06			943.5	94346	6088.2	60.88	6.45%
23-Jun-06			943.5	94346	6115.7	61.16	6.48%
24-Jun-06			943.5	94346	6115.7	61.16	6.48%
25-Jun-06			943.5	94346	6136.3	61.36	6.50%
26-Jun-06		4.0	947.5	94746	6136.3	61.36	6.48%
27-Jun-06		12.0	959.5	95946	6211.9	62.12	6.47%
28-Jun-06		0.3	959.8	95976	6211.9	62.12	6.47%
29-Jun-06		1.4	961.2	96116	6211.9	62.12	6.46%
30-Jun-06		0.1	961.2	96124	6211.9	62.12	6.46%
1-Jul-06			961.2	96124	6211.9	62.12	6.46%
2-Jul-06			961.2	96124	6404.3	64.04	6.66%
3-Jul-06			961.2	96124	6404.3	64.04	6.66%
4-Jul-06			961.2	96124	6404.3	64.04	6.66%
5-Jul-06			961.2	96124	6404.3	64.04	6.66%
6-Jul-06			961.2	96124	6452.5	64.52	6.71%
7-Jul-06			961.2	96124	6452.5	64.52	6.71%
8-Jul-06		1.3	962.5	96254	6452.5	64.52	6.70%
9-Jul-06		3.0	965.5	96554	6452.5	64.52	6.68%
10-Jul-06			965.5	96554	6541.8	65.42	6.78%
11-Jul-06			965.5	96554	6541.8	65.42	6.78%
12-Jul-06			965.5	96554	6541.8	65.42	6.78%
13-Jul-06			965.5	96554	6569.3	65.69	6.80%
14-Jul-06			965.5	96554	6569.3	65.69	6.80%
15-Jul-06			965.5	96554	6569.3	65.69	6.80%
16-Jul-06		2.4	967.9	96794	6569.3	65.69	6.79%
17-Jul-06		0.2	968.1	96814	6610.6	66.11	6.83%
18-Jul-06			968.1	96814	6610.6	66.11	6.83%
19-Jul-06			968.1	96814	6610.6	66.11	6.83%
20-Jul-06			968.1	96814	6610.6	66.11	6.83%
21-Jul-06			968.1	96814	6610.6	66.11	6.83%
22-Jul-06			968.1	96814	6610.6	66.11	6.83%
23-Jul-06			968.1	96814	6610.6	66.11	6.83%
24-Jul-06		3.3	971.4	97144	6672.4	66.72	6.87%
25-Jul-06		0.2	971.6	97164	6672.4	66.72	6.87%
26-Jul-06		0.2	971.8	97184	6672.4	66.72	6.87%
27-Jul-06			971.8	97184	6672.4	66.72	6.87%
28-Jul-06		10.0	981.8	98184	6699.9	67.00	6.82%
29-Jul-06			981.8	98184	6699.9	67.00	6.82%
30-Jul-06		0.1	981.9	98194	6699.9	67.00	6.82%

Table 7.3

Lysimeter Area m²

100

Brewery Creek Mine

Blue WRSA Lysimeter Performance

Date	Snowpack H ₂ O		Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate	
	Equivalent mm	Precip mm					
31-Jul-06			981.9	98194	6713.7	67.14	6.84%
1-Aug-06			981.9	98194	6713.7	67.14	6.84%
2-Aug-06		0.6	982.5	98254	6713.7	67.14	6.83%
3-Aug-06			982.5	98254	6713.7	67.14	6.83%
4-Aug-06			982.5	98254	6713.7	67.14	6.83%
5-Aug-06			982.5	98254	6713.7	67.14	6.83%
6-Aug-06			982.5	98254	6713.7	67.14	6.83%
7-Aug-06		0.1	982.6	98264	6737.7	67.38	6.86%
8-Aug-06		7.0	989.6	98964	6737.7	67.38	6.81%
9-Aug-06			989.6	98964	6737.7	67.38	6.81%
10-Aug-06			989.6	98964	6737.7	67.38	6.81%
11-Aug-06		0.2	989.8	98984	6779.0	67.79	6.85%
12-Aug-06		2.0	991.8	99184	6779.0	67.79	6.83%
13-Aug-06			991.8	99184	6779.0	67.79	6.83%
14-Aug-06			991.8	99184	6779.0	67.79	6.83%
15-Aug-06			991.8	99184	6779.0	67.79	6.83%
16-Aug-06		6.8	998.6	99864	6792.7	67.93	6.80%
17-Aug-06		1.5	1000.1	100014	6792.7	67.93	6.79%
18-Aug-06		14.0	1014.1	101414	6806.4	68.06	6.71%
19-Aug-06			1014.1	101414	6806.4	68.06	6.71%
20-Aug-06			1014.1	101414	6806.4	68.06	6.71%
21-Aug-06			1014.1	101414	6806.4	68.06	6.71%
22-Aug-06		12.0	1026.1	102614	6854.6	68.55	6.68%
23-Aug-06		7.5	1033.6	103364	6854.6	68.55	6.63%
24-Aug-06		0.5	1034.1	103414	6854.6	68.55	6.63%
25-Aug-06		0.5	1034.6	103464	6854.6	68.55	6.63%
26-Aug-06		5.5	1040.1	104014	6854.6	68.55	6.59%
27-Aug-06		1.2	1041.3	104134	6854.6	68.55	6.58%
28-Aug-06		5.2	1046.5	104654	6854.6	68.55	6.55%
29-Aug-06			1046.5	104654	6916.4	69.16	6.61%
30-Aug-06			1046.5	104654	6916.4	69.16	6.61%
31-Aug-06			1046.5	104654	6916.4	69.16	6.61%
1-Sep-06			1046.5	104654	6916.4	69.16	6.61%
2-Sep-06			1046.5	104654	6916.4	69.16	6.61%
3-Sep-06			1046.5	104654	6916.4	69.16	6.61%
4-Sep-06			1046.5	104654	6916.4	69.16	6.61%
5-Sep-06		16.0	1062.5	106254	6926.4	69.26	6.52%
6-Sep-06		1.9	1064.4	106444	6926.4	69.26	6.51%
7-Sep-06			1064.4	106444	6926.4	69.26	6.51%
8-Sep-06			1064.4	106444	6926.4	69.26	6.51%
9-Sep-06			1064.4	106444	6926.4	69.26	6.51%
10-Sep-06			1064.4	106444	6926.4	69.26	6.51%
11-Sep-06			1064.4	106444	6926.4	69.26	6.51%
12-Sep-06		0.6	1065.0	106504	6933.4	69.33	6.51%
13-Sep-06			1065.0	106504	6933.4	69.33	6.51%
14-Sep-06			1065.0	106504	6933.4	69.33	6.51%
15-Sep-06			1065.0	106504	6933.4	69.33	6.51%
16-Sep-06			1065.0	106504	6933.4	69.33	6.51%
17-Sep-06			1065.0	106504	6933.4	69.33	6.51%
18-Sep-06		5.0	1070.0	107004	6933.4	69.33	6.48%
19-Sep-06			1070.0	107004	6935.4	69.35	6.48%
20-Sep-06		4.7	1074.7	107474	6935.4	69.35	6.45%
21-Sep-06			1074.7	107474	6935.4	69.35	6.45%
22-Sep-06			1074.7	107474	6935.4	69.35	6.45%
23-Sep-06			1074.7	107474	6935.4	69.35	6.45%
24-Sep-06			1074.7	107474	6935.4	69.35	6.45%
25-Sep-06		3.0	1077.7	107774	6935.4	69.35	6.44%
26-Sep-06			1077.7	107774	6935.4	69.35	6.44%
27-Sep-06		1.0	1078.7	107874	6935.4	69.35	6.43%
28-Sep-06		7.0	1085.7	108574	6935.4	69.35	6.39%
29-Sep-06			1085.7	108574	6935.4	69.35	6.39%
30-Sep-06			1085.7	108574	6935.4	69.35	6.39%
1-Oct-06			1085.7	108574	6935.4	69.35	6.39%

Table 7.3

Lysimeter Area m²

100

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

Date	Snowpack H ₂ O		Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
	Equivalent mm	Precip mm					
2-Oct-06			1085.7	108574	6935.4	69.35	6.39%
3-Oct-06			1085.7	108574	6935.4	69.35	6.39%
4-Oct-06		7.8	1093.5	109354	6935.4	69.35	6.34%
5-Oct-06		7.5	1101.0	110104	6935.4	69.35	6.30%
6-Oct-06			1101.0	110104	6935.4	69.35	6.30%
7-Oct-06			1101.0	110104	6935.4	69.35	6.30%
8-Oct-06			1101.0	110104	6935.4	69.35	6.30%
9-Oct-06			1101.0	110104	6935.4	69.35	6.30%
10-Oct-06			1101.0	110104	6935.4	69.35	6.30%
11-Oct-06			1101.0	110104	6935.4	69.35	6.30%
12-Oct-06			1101.0	110104	6935.4	69.35	6.30%
13-Oct-06			1101.0	110104	6935.4	69.35	6.30%
14-Oct-06			1101.0	110104	6935.4	69.35	6.30%
15-Oct-06			1101.0	110104	6935.4	69.35	6.30%
16-Oct-06		6.0	1107.0	110704	6935.4	69.35	6.26%
17-Oct-06			1107.0	110704	6935.4	69.35	6.26%
18-Oct-06			1107.0	110704	6935.4	69.35	6.26%
19-Oct-06		8.0	1115.0	111504	6935.4	69.35	6.22%
20-Oct-06			1115.0	111504	6935.4	69.35	6.22%
21-Oct-06			1115.0	111504	6935.4	69.35	6.22%
22-Oct-06			1115.0	111504	6935.4	69.35	6.22%
23-Oct-06			1115.0	111504	6935.4	69.35	6.22%
24-Oct-06			1115.0	111504	6935.4	69.35	6.22%
25-Oct-06			1115.0	111504	6935.4	69.35	6.22%
26-Oct-06			1115.0	111504	6935.4	69.35	6.22%
27-Oct-06			1115.0	111504	6935.4	69.35	6.22%
28-Oct-06			1115.0	111504	6935.4	69.35	6.22%
29-Oct-06			1115.0	111504	6935.4	69.35	6.22%
30-Oct-06			1115.0	111504	6935.4	69.35	6.22%
31-Oct-06			1115.0	111504	6935.4	69.35	6.22%
1-Nov-06		6.0	1121.0	112104	6935.4	69.35	6.19%
2-Nov-06			1121.0	112104	6935.4	69.35	6.19%
3-Nov-06			1121.0	112104	6935.4	69.35	6.19%
4-Nov-06			1121.0	112104	6935.4	69.35	6.19%
5-Nov-06			1121.0	112104	6935.4	69.35	6.19%
6-Nov-06			1121.0	112104	6935.4	69.35	6.19%
7-Nov-06			1121.0	112104	6935.4	69.35	6.19%
8-Nov-06			1121.0	112104	6935.4	69.35	6.19%
9-Nov-06			1121.0	112104	6935.4	69.35	6.19%
10-Nov-06			1121.0	112104	6935.4	69.35	6.19%
11-Nov-06			1121.0	112104	6935.4	69.35	6.19%
12-Nov-06			1121.0	112104	6935.4	69.35	6.19%
13-Nov-06			1121.0	112104	6935.4	69.35	6.19%
14-Nov-06		1.5	1122.5	112254	6935.4	69.35	6.18%
15-Nov-06			1122.5	112254	6935.4	69.35	6.18%
16-Nov-06			1122.5	112254	6935.4	69.35	6.18%
17-Nov-06			1122.5	112254	6935.4	69.35	6.18%
18-Nov-06			1122.5	112254	6935.4	69.35	6.18%
19-Nov-06			1122.5	112254	6935.4	69.35	6.18%
20-Nov-06			1122.5	112254	6935.4	69.35	6.18%
21-Nov-06		4.8	1127.3	112734	6935.4	69.35	6.15%
22-Nov-06			1127.3	112734	6935.4	69.35	6.15%
23-Nov-06			1127.3	112734	6935.4	69.35	6.15%
24-Nov-06			1127.3	112734	6935.4	69.35	6.15%
25-Nov-06			1127.3	112734	6935.4	69.35	6.15%
26-Nov-06			1127.3	112734	6935.4	69.35	6.15%
27-Nov-06			1127.3	112734	6935.4	69.35	6.15%
28-Nov-06			1127.3	112734	6935.4	69.35	6.15%
29-Nov-06			1127.3	112734	6935.4	69.35	6.15%
30-Nov-06			1127.3	112734	6935.4	69.35	6.15%
1-Dec-06			1127.3	112734	6935.4	69.35	6.15%
2-Dec-06			1127.3	112734	6935.4	69.35	6.15%
3-Dec-06			1127.3	112734	6935.4	69.35	6.15%

Table 7.3

**Brewery Creek Mine
Blue WRSA Lysimeter Performance**

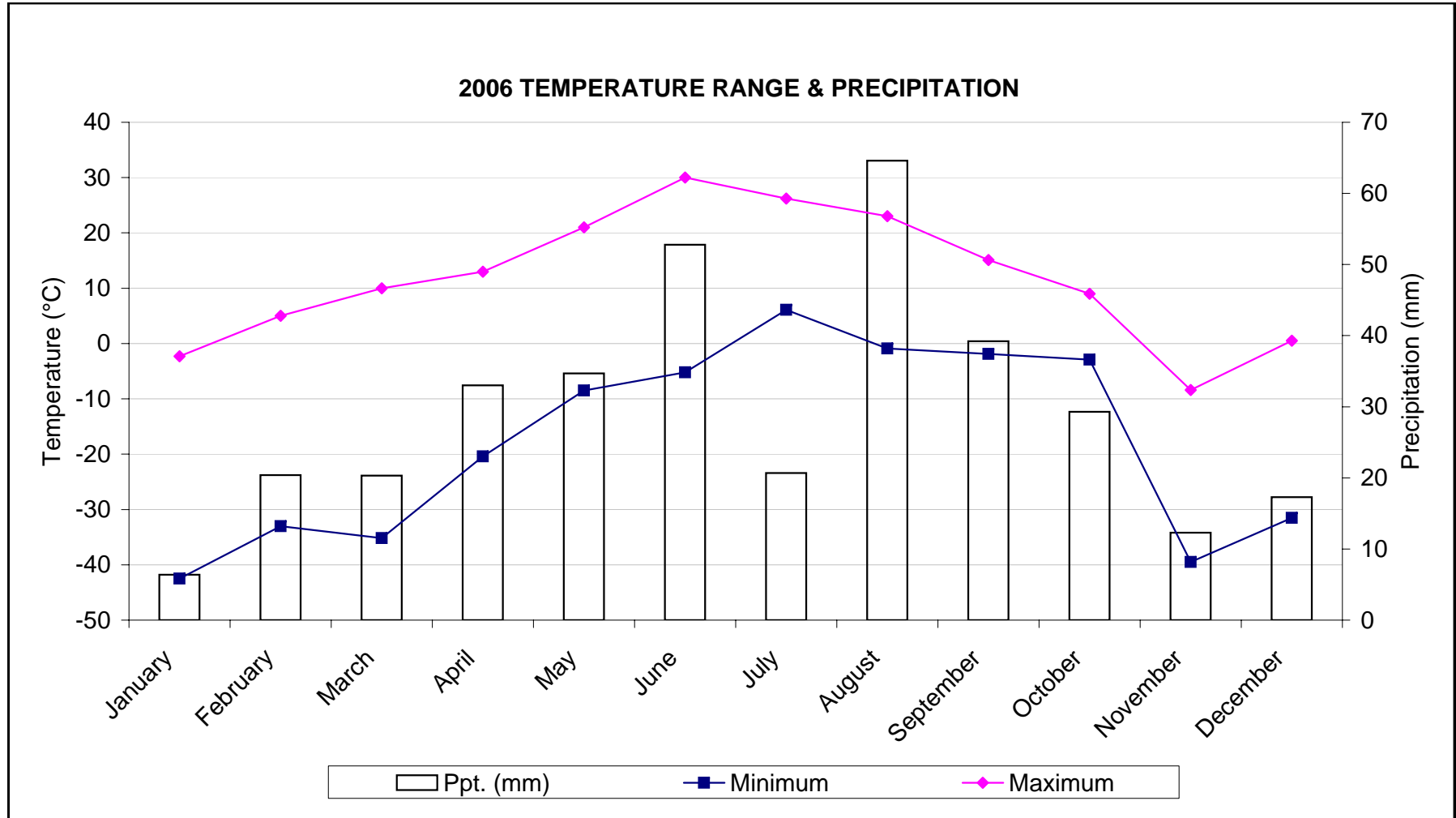
Date	Snowpack H ₂ O Equivalent mm	Precip mm	Cum Precip mm	Cumulative Liters Precip	Cumulative Tank liters	Cumulative Infiltration mm	Overall % Infiltrate
4-Dec-06			1127.3	112734	6935.4	69.35	6.15%
5-Dec-06			1127.3	112734	6935.4	69.35	6.15%
6-Dec-06		5.5	1132.8	113284	6935.4	69.35	6.12%
7-Dec-06			1132.8	113284	6935.4	69.35	6.12%
8-Dec-06			1132.8	113284	6935.4	69.35	6.12%
9-Dec-06			1132.8	113284	6935.4	69.35	6.12%
10-Dec-06			1132.8	113284	6935.4	69.35	6.12%
11-Dec-06			1132.8	113284	6935.4	69.35	6.12%
12-Dec-06		3.2	1136.0	113604	6935.4	69.35	6.10%
13-Dec-06			1136.0	113604	6935.4	69.35	6.10%
14-Dec-06			1136.0	113604	6935.4	69.35	6.10%
15-Dec-06			1136.0	113604	6935.4	69.35	6.10%
16-Dec-06			1136.0	113604	6935.4	69.35	6.10%
17-Dec-06			1136.0	113604	6935.4	69.35	6.10%
18-Dec-06			1136.0	113604	6935.4	69.35	6.10%
19-Dec-06		4.3	1140.3	114034	6935.4	69.35	6.08%
20-Dec-06			1140.3	114034	6935.4	69.35	6.08%
21-Dec-06			1140.3	114034	6935.4	69.35	6.08%
22-Dec-06			1140.3	114034	6935.4	69.35	6.08%
23-Dec-06			1140.3	114034	6935.4	69.35	6.08%
24-Dec-06			1140.3	114034	6935.4	69.35	6.08%
25-Dec-06			1140.3	114034	6935.4	69.35	6.08%
26-Dec-06			1140.3	114034	6935.4	69.35	6.08%
27-Dec-06			1140.3	114034	6935.4	69.35	6.08%
28-Dec-06		4.3	1144.6	114464	6935.4	69.35	6.06%
29-Dec-06			1144.6	114464	6935.4	69.35	6.06%
30-Dec-06			1144.6	114464	6935.4	69.35	6.06%
31-Dec-06			1144.6	114464	6935.4	69.35	6.06%

Appendix A

CLIMATE

Climate Data - Summary 2006

Date	Temperature °C			Precipitation (mm)	Evaporation (mm)
	Max.	Min.	Avg.		
January	-2.3	-42.5	-21.5	6.4	n/a
February	5.0	-33.0	-16.7	20.4	n/a
March	10.0	-35.2	-12.4	20.3	n/a
April	13.0	-20.4	-1.4	33.0	n/a
May	21.0	-8.5	6.6	34.7	75.8
June	30.0	-5.2	14.2	52.8	138.8
July	26.2	6.1	15.8	20.7	135.7
August	23.0	-0.9	10.4	64.6	86.6
September	15.1	-1.9	6.6	39.2	48.1
October	9.0	-2.9	1.7	29.3	n/a
November	-8.4	-39.5	-23.0	12.3	n/a
December	0.5	-31.5	-6.8	17.3	n/a
Summary	30	-42.5	-2.2	351	507.3



**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - January 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Jan-06				
2-Jan-06				
3-Jan-06				
4-Jan-06	-2.3	-15.7	-9.0	0.2
5-Jan-06				
6-Jan-06				
7-Jan-06				
8-Jan-06				
9-Jan-06				
10-Jan-06				
11-Jan-06	-7.1	-26.2	-16.7	3.7
12-Jan-06				
13-Jan-06				
14-Jan-06				
15-Jan-06	-13.2	-26.4	-19.8	
16-Jan-06	-18.5	-28.2	-23.4	
17-Jan-06	-18.2	-32.1	-25.2	
18-Jan-06				
19-Jan-06				
20-Jan-06				
21-Jan-06				
22-Jan-06				
23-Jan-06				
24-Jan-06				
25-Jan-06				
26-Jan-06				
27-Jan-06	-4.8	-42.5	-23.7	
28-Jan-06	-23.6	-30.9	-27.3	
29-Jan-06				
30-Jan-06	-23.1	-31.6	-27.4	2.5
31-Jan-06				

Monthly Min. Temp.	-42.5	°C
Monthly Max. Temp.	-2.3	°C
Average Temperature	-21.5	°C
Total AWS Precipitation	6.4	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - February 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Feb-06	-14.6	-25.9	-20.3	
2-Feb-06	-7.3	-17.5	-12.4	2.6
3-Feb-06				
4-Feb-06				
5-Feb-06				
6-Feb-06				
7-Feb-06				
8-Feb-06	-0.4	-31.6	-16.0	6.4
9-Feb-06				
10-Feb-06				
11-Feb-06				
12-Feb-06				
13-Feb-06				
14-Feb-06				
15-Feb-06	5.0	-10.3	-2.7	
16-Feb-06	-2.3	-12.3	-7.3	
17-Feb-06				
18-Feb-06				
19-Feb-06				
20-Feb-06	-7.0	-14.3	-10.7	3.4
21-Feb-06	-8.1	-14.1	-11.1	4.0
22-Feb-06	-11.1	-19.4	-15.3	
23-Feb-06	-16.5	-27.2	-21.9	
24-Feb-06	-17.4	-27.7	-22.6	
25-Feb-06	-22.3	-28.1	-25.2	
26-Feb-06				
27-Feb-06	-22.0	-30.0	-26.0	4.0
28-Feb-06	-19.6	-33.0	-26.3	

Monthly Min. Temp.	-33.0	°C
Monthly Max. Temp.	5.0	°C
Average Temperature	-16.7	°C
Total AWS Precipitation	20.4	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - March 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Mar-06	-23.0	-32.0	-27.5	
2-Mar-06	-18.2	-35.2	-26.7	
3-Mar-06	-12.3	-32.3	-22.3	
4-Mar-06				
5-Mar-06	1.1	-17.2	-8.1	
6-Mar-06	-2.2	-17.8	-10.0	
7-Mar-06	2.2	-17.3	-7.6	
8-Mar-06	-3.4	-8.9	-6.2	2.3
9-Mar-06	-2.1	-20.9	-11.5	
10-Mar-06	-7.0	-28.9	-18.0	
11-Mar-06	-3.6	-30.3	-17.0	
12-Mar-06	-4.1	-32.9	-18.5	
13-Mar-06	-2.6	-32.8	-17.7	
14-Mar-06	-1.4	-28.9	-15.2	
15-Mar-06	-3.0	-28.9	-16.0	
16-Mar-06	-1.9	-31.8	-16.9	
17-Mar-06	-1.1	-33.7	-17.4	
18-Mar-06	-0.9	-29.9	-15.4	
19-Mar-06	-14.0	-25.6	-19.8	
20-Mar-06	-5.0	19.9	7.5	
21-Mar-06	3.8	-6.9	-1.6	2.0
22-Mar-06	10.0	-8.6	0.7	
23-Mar-06	9.0	-8.9	0.0	
24-Mar-06	-2.6	-4.7	-3.7	
25-Mar-06	-5.2	-9.2	-7.2	11.0
26-Mar-06	-5.7	-19.6	-12.7	
27-Mar-06	-1.1	-19.9	-10.5	
28-Mar-06	3.0	-18.9	-8.0	5.0
29-Mar-06	-10.2	-26.1	-18.2	
30-Mar-06	-5.0	-24.8	-14.9	
31-Mar-06	-1.2	-23.6	-12.4	

Monthly Min. Temp.	-35.2	°C
Monthly Max. Temp.	10.0	°C
Average Temperature	-12.4	°C
Total AWS Precipitation	20.3	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - April 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Apr-06				
2-Apr-06	5.6	-8.9	-1.7	
3-Apr-06	8.9	-7.8	0.6	
4-Apr-06	5.9	-3.8	1.1	6.0
5-Apr-06	5.7	-2.9	1.4	4.6
6-Apr-06	0.0	-9.8	-4.9	3.6
7-Apr-06	8.8	-7.9	0.5	
8-Apr-06	5.4	-8.5	-1.6	
9-Apr-06	6.2	-13.0	-3.4	
10-Apr-06	13.0	-6.9	3.1	
11-Apr-06	7.7	-5.9	0.9	1.2
12-Apr-06	5.0	-6.2	-0.6	1.0
13-Apr-06	6.1	-12.8	-3.4	
14-Apr-06	-2.0	-18.9	-10.5	
15-Apr-06	-4.0	-20.4	-12.2	
16-Apr-06		-11.4		
17-Apr-06	5.0	-8.9	-2.0	
18-Apr-06	5.6	-4.9	0.4	1.7
19-Apr-06	1.0	-6.8	-2.9	2.6
20-Apr-06	10.1	-6.9	1.6	
21-Apr-06	7.3	-7.1	0.1	
22-Apr-06	7.0	-2.9	2.1	
23-Apr-06	8.9	-0.8	4.1	
24-Apr-06	9.0	-2.9	3.1	
25-Apr-06	10.7	-6.9	1.9	
26-Apr-06	7.9	-7.8	0.1	3.2
27-Apr-06	9.0	-7.9	0.6	1.4
28-Apr-06	1.9	-13.8	-6.0	7.7
29-Apr-06	4.1	-13.6	-4.8	
30-Apr-06	8.9	-10.9	-1.0	

Monthly Min. Temp.	-20.4	°C
Monthly Max. Temp.	13.0	°C
Average Temperature	-1.2	°C
Total AWS Precipitation	33.0	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - May 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-May-06				
2-May-06	8.0	-5.9	1.1	4.0
3-May-06	9.1	-2.8	3.2	
4-May-06	12.9	-1.9	5.5	2.0
5-May-06	10.0	-2.0	4.0	17.0
6-May-06				
7-May-06				
8-May-06	14.7	-1.9	6.4	
9-May-06	12.0	-1.9	5.1	
10-May-06	13.6	-0.8	6.4	
11-May-06	8.6	0.1	4.4	
12-May-06	7.0	0.1	3.6	0.8
13-May-06				
14-May-06				
15-May-06	15.6	-0.1	7.8	
16-May-06	14.2	3.6	8.9	0.5
17-May-06	11.9	0.1	6.0	7.0
18-May-06	10.2	1.1	5.7	1.4
19-May-06	14.9	3.1	9.0	
20-May-06	16.0	3.2	9.6	
21-May-06				
22-May-06				
23-May-06				
24-May-06				
25-May-06				
26-May-06	18.5	8.0	13.3	
27-May-06				
28-May-06				
29-May-06	21.0	-8.5	6.3	2.0
30-May-06		9.0		
31-May-06	20.0	7.0	13.5	

Monthly Min. Temp.	-8.5	°C
Monthly Max. Temp.	21.0	°C
Average Temperature	6.6	°C
Total AWS Precipitation	34.7	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - June 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Jun-06	17.5	6.5	12.0	3.0
2-Jun-06	16.2	4.1	10.2	4.6
3-Jun-06				
4-Jun-06				
5-Jun-06	16.0	-5.2	5.4	2.0
6-Jun-06	14.0	-1.1	6.5	
7-Jun-06	18.0	3.3	10.7	
8-Jun-06	19.1	7.1	13.1	
9-Jun-06	28.3	8.9	18.6	
10-Jun-06	24.0	8.5	16.3	
11-Jun-06	26.9	12.1	19.5	
12-Jun-06	29.0	8.6	18.8	
13-Jun-06	25.8	11.1	18.5	
14-Jun-06	26.0	14.1	20.1	
15-Jun-06	30.0	14.1	22.1	
16-Jun-06	27.9	8.6	18.3	8.1
17-Jun-06	19.0	9.1	14.1	17.0
18-Jun-06	21.9	11.1	16.5	0.3
19-Jun-06	24.0	10.1	17.1	
20-Jun-06	22.0	8.7	15.4	
21-Jun-06	23.8	8.9	16.4	
22-Jun-06	19.9	5.1	12.5	
23-Jun-06	19.0	7.1	13.1	
24-Jun-06	20.0	3.1	11.6	
25-Jun-06	24.0	8.5	16.3	
26-Jun-06	20.0	6.5	13.3	4.0
27-Jun-06	11.0	3.5	7.3	12.0
28-Jun-06	16.0	3.8	9.9	0.3
29-Jun-06	17.0	7.1	12.1	1.4
30-Jun-06	19.0	7.1	13.1	0.1

Monthly Min. Temp.	-5.2	°C
Monthly Max. Temp.	30.0	°C
Average Temperature	14.2	°C
Total AWS Precipitation	52.8	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - July 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Jul-06	24.0	9.1	16.6	
2-Jul-06	20.0	8.1	14.1	
3-Jul-06	20.0	7.0	13.5	
4-Jul-06	21.8	7.1	14.5	
5-Jul-06	23.0	11.1	17.1	
6-Jul-06	23.3	9.1	16.2	
7-Jul-06	23.8	10.1	17.0	
8-Jul-06	22.7	10.1	16.4	1.3
9-Jul-06	21.8	8.7	15.3	3.0
10-Jul-06	20.0	8.1	14.1	
11-Jul-06	24.0	11.1	17.6	
12-Jul-06	25.8	11.1	18.5	
13-Jul-06	25.8	8.2	17.0	
14-Jul-06	23.8	8.5	16.2	
15-Jul-06				
16-Jul-06	23.0	6.1	14.6	2.4
17-Jul-06	17.0	9.1	13.1	0.2
18-Jul-06	19.9	7.1	13.5	
19-Jul-06	21.0	8.2	14.6	
20-Jul-06	24.0	8.6	16.3	
21-Jul-06	21.9	9.1	15.5	
22-Jul-06				
23-Jul-06				
24-Jul-06	25.0	8.6	16.8	3.3
25-Jul-06	24.8	10.1	17.5	0.2
26-Jul-06	20.0	9.1	14.6	0.2
27-Jul-06				
28-Jul-06	24.0	8.7	16.4	10.0
29-Jul-06				
30-Jul-06	26.2	8.6	17.4	0.1
31-Jul-06	25.9	6.1	16.0	

Monthly Min. Temp.	6.1	°C
Monthly Max. Temp.	26.2	°C
Average Temperature	15.8	°C
Total AWS Precipitation	20.7	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - August 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Aug-06	22.3	7.1	14.7	
2-Aug-06	18.0	8.6	13.3	0.6
3-Aug-06				
4-Aug-06				
5-Aug-06				
6-Aug-06				
7-Aug-06	23.0	3.1	13.1	0.1
8-Aug-06	20.6	7.1	13.9	7.0
9-Aug-06	18.9	5.3	12.1	
10-Aug-06	19.0	7.1	13.1	
11-Aug-06	21.0	8.2	14.6	0.2
12-Aug-06	14.9	4.8	9.9	2.0
13-Aug-06				
14-Aug-06				
15-Aug-06				
16-Aug-06	20.0	4.6	12.3	6.8
17-Aug-06	16.1	6.3	11.2	1.5
18-Aug-06	17.0	4.1	10.6	14.0
19-Aug-06				
20-Aug-06				
21-Aug-06				
22-Aug-06	16.0	0.1	8.1	12.0
23-Aug-06	15.0	0.1	7.6	7.5
24-Aug-06	12.0	3.1	7.6	0.5
25-Aug-06	15.0	3.1	9.1	0.5
26-Aug-06	10.0	3.4	6.7	5.5
27-Aug-06	12.0	3.1	7.6	1.2
28-Aug-06	14.0	4.1	9.1	5.2
29-Aug-06	14.1	-0.9	6.6	
30-Aug-06	11.0	2.1	6.6	
31-Aug-06				

Monthly Min. Temp.	-0.9	°C
Monthly Max. Temp.	23.0	°C
Average Temperature	10.4	°C
Total AWS Precipitation	64.6	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - September 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Sep-06				
2-Sep-06				
3-Sep-06				
4-Sep-06				
5-Sep-06	15.0	3.1	9.1	16.0
6-Sep-06	14.0	3.1	8.6	1.9
7-Sep-06	11.1	3.3	7.2	
8-Sep-06				
9-Sep-06				
10-Sep-06				
11-Sep-06	15.1	3.0	9.1	
12-Sep-06	11.0	1.1	6.1	0.6
13-Sep-06	12.2	1.2	6.7	
14-Sep-06	12.0	3.1	7.6	
15-Sep-06	13.1	2.1	7.6	
16-Sep-06				
17-Sep-06				
18-Sep-06	13.0	0.1	6.6	5.0
19-Sep-06	12.0	0.1	6.1	0.0
20-Sep-06	8.1	4.1	6.1	4.7
21-Sep-06	11.0	0.1	5.6	
22-Sep-06				
23-Sep-06				
24-Sep-06				
25-Sep-06	11.1	-1.9	4.6	3.0
26-Sep-06	8.0	0.1	4.1	
27-Sep-06	7.0	1.1	4.1	1.0
28-Sep-06	11.0	3.1	7.1	7.0
29-Sep-06				
30-Sep-06				

Monthly Min. Temp.	-1.9	°C
Monthly Max. Temp.	15.1	°C
Average Temperature	6.6	°C
Total AWS Precipitation	39.2	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - October 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Oct-06				
2-Oct-06	9.0	-2.9	3.1	
3-Oct-06	5.0	-0.9	2.1	
4-Oct-06	6.0	1.1	3.6	7.8
5-Oct-06	3.7	-2.9	0.4	7.5
6-Oct-06	4.0	-2.9	0.6	
7-Oct-06	3.6	-1.9	0.9	
8-Oct-06				
9-Oct-06	*Weather station failure			
10-Oct-06				
11-Oct-06				
12-Oct-06				
13-Oct-06				
14-Oct-06				
15-Oct-06				
16-Oct-06				6.0
17-Oct-06				
18-Oct-06				
19-Oct-06				8.0
20-Oct-06				
21-Oct-06				
22-Oct-06				
23-Oct-06				
24-Oct-06				
25-Oct-06				
26-Oct-06				
27-Oct-06				
28-Oct-06				
29-Oct-06				
30-Oct-06				
31-Oct-06				

Monthly Min. Temp.	-2.9	°C
Monthly Max. Temp.	9.0	°C
Average Temperature	1.7	°C
Total AWS Precipitation	29.3	mm

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - November 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Nov-06	-8.4	-14.2	-11.3	6.0
2-Nov-06				
3-Nov-06				
4-Nov-06				
5-Nov-06				
6-Nov-06				
7-Nov-06	-9.3	-31.6	-20.5	
8-Nov-06				
9-Nov-06				
10-Nov-06				
11-Nov-06				
12-Nov-06				
13-Nov-06				
14-Nov-06	-16.1	-32.2	-24.2	1.5
15-Nov-06				
16-Nov-06				
17-Nov-06				
18-Nov-06				
19-Nov-06				
20-Nov-06				
21-Nov-06	-17.9	-33.4	-25.7	4.8
22-Nov-06				
23-Nov-06				
24-Nov-06				
25-Nov-06				
26-Nov-06				
27-Nov-06				
28-Nov-06	-27.4	-39.5	-33.5	
29-Nov-06				
30-Nov-06				

Monthly Min. Temp.	-39.5	°C
Monthly Max. Temp.	-8.4	°C
Average Temperature	-23.0	°C
Total AWS Precipitation	12.3	mm

Brewery Creek Mine

Pan Evaporation Data - May 2006

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
					<<< Carry forward	
1-May-06						
2-May-06			4.0			
3-May-06						
4-May-06			2.0			
5-May-06			17.0			
6-May-06						
7-May-06						
8-May-06				163.0	0.0	
9-May-06				159.0	4.0	
10-May-06				154.0	5.0	
11-May-06				153.0	1.0	
12-May-06			0.8	152.0	1.8	
13-May-06				149.0	3.0	
14-May-06				146.0	3.0	
15-May-06				144.0	2.0	
16-May-06			0.5	141.0	3.5	
17-May-06			7.0	149.0	-1.0	
18-May-06			1.4	149.0	1.4	
19-May-06				146.0	3.0	
20-May-06				142.0	4.0	
21-May-06				136.0	6.0	
22-May-06				132.0	4.0	
23-May-06				129.0	3.0	
24-May-06				125.0	4.0	
25-May-06				123.0	2.0	
26-May-06				115.0	8.0	
27-May-06				111.0	4.0	
28-May-06				109.0	2.0	
29-May-06			2.0	106.0	5.0	
30-May-06				100.0	6.0	
31-May-06				94.0	6.0	
Totals			34.7	94.0	80.7	

Pan Evaporation Data - June 2006

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
				94.0	<<< Carry forward	
1-Jun-06			3.0	96.0	1.0	
2-Jun-06			4.6	101.0	-0.4	
3-Jun-06				97.0	4.0	
4-Jun-06				95.0	2.0	
5-Jun-06			2.0	91.0	6.0	
6-Jun-06				86.0	5.0	
7-Jun-06				80.0	6.0	
8-Jun-06				75.0	5.0	
9-Jun-06				68.0	7.0	
10-Jun-06				59.0	9.0	
11-Jun-06				52.0	7.0	
12-Jun-06				45.0	7.0	
13-Jun-06				38.0	7.0	
14-Jun-06		60.0		93.0	5.0	
15-Jun-06				84.0	9.0	
16-Jun-06			8.1	87.0	5.1	
17-Jun-06			17.0	108.0	-4.0	
18-Jun-06			0.3	105.0	3.3	
19-Jun-06				98.0	7.0	
20-Jun-06				90.0	8.0	
21-Jun-06				82.0	8.0	
22-Jun-06				79.0	3.0	
23-Jun-06				75.0	4.0	
24-Jun-06				71.0	4.0	
25-Jun-06				64.0	7.0	
26-Jun-06			4.0	65.0	3.0	
27-Jun-06			12.0	74.0	3.0	
28-Jun-06			0.3	71.0	3.3	
29-Jun-06			1.4	69.0	3.4	
30-Jun-06			0.1	68.0	1.1	
Totals			52.8	0.0	138.8	

**Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007**

Climate Data - December 2006

Date	Temperature °C			Ppt. (mm)
	Max.	Min.	Avg.	
1-Dec-06				
2-Dec-06				
3-Dec-06				
4-Dec-06				
5-Dec-06				
6-Dec-06	-8.0	-31.5	-19.8	5.5
7-Dec-06				
8-Dec-06				
9-Dec-06				
10-Dec-06				
11-Dec-06				
12-Dec-06	-1.2	-15.1	-8.2	3.2
13-Dec-06				
14-Dec-06				
15-Dec-06				
16-Dec-06				
17-Dec-06				
18-Dec-06				
19-Dec-06	-4.1	24.0	10.0	4.3
20-Dec-06	0.5	-7.1	-3.3	
21-Dec-06				
22-Dec-06				
23-Dec-06				
24-Dec-06				
25-Dec-06				
26-Dec-06				
27-Dec-06				
28-Dec-06	-1.8	-23.4	-12.6	4.3
29-Dec-06				
30-Dec-06				
31-Dec-06				

Monthly Min. Temp.	-31.5	°C
Monthly Max. Temp.	0.5	°C
Average Temperature	-6.8	°C
Total AWS Precipitation	17.3	mm

Pan Evaporation Data - July 2006

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
				68.0	<<< Carry forward	
1-Jul-06				62.0	6.0	
2-Jul-06				57.0	5.0	
3-Jul-06				52.0	5.0	
4-Jul-06				47.0	5.0	
5-Jul-06				42.0	5.0	
6-Jul-06				37.0	5.0	
7-Jul-06		88.0		120.0	5.0	
8-Jul-06			1.3	125.0	-3.7	
9-Jul-06			3.0	130.0	-2.0	
10-Jul-06				128.0	2.0	
11-Jul-06				122.0	6.0	
12-Jul-06				115.0	7.0	
13-Jul-06				112.0	3.0	
14-Jul-06				107.0	5.0	
15-Jul-06				105.0	2.0	
16-Jul-06			2.4	102.0	5.4	
17-Jul-06			0.2	97.0	5.2	
18-Jul-06				93.0	4.0	
19-Jul-06				89.0	4.0	
20-Jul-06				84.0	5.0	
21-Jul-06				77.0	7.0	
22-Jul-06				71.0	6.0	
23-Jul-06				69.0	2.0	
24-Jul-06			3.3	67.0	5.3	
25-Jul-06			0.2	60.0	7.2	
26-Jul-06			0.2	55.0	5.2	
27-Jul-06				55.0	0.0	
28-Jul-06			10.0	56.0	9.0	
29-Jul-06				52.0	4.0	
30-Jul-06			0.1	47.0	5.1	
31-Jul-06				41.0	6.0	
Totals			20.7	41.0	135.7	

Pan Evaporation Data - August 2006

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
				41.0	<<< Carry forward	
1-Aug-06				36.0	5.0	
2-Aug-06		80.0	0.6	110.0	6.6	
3-Aug-06				105.0	5.0	
4-Aug-06				101.0	4.0	
5-Aug-06				97.0	4.0	
6-Aug-06				94.0	3.0	
7-Aug-06			0.1	91.0	3.1	
8-Aug-06			7.0	95.0	3.0	
9-Aug-06				92.0	3.0	
10-Aug-06				88.0	4.0	
11-Aug-06			0.2	84.0	4.2	
12-Aug-06			2.0	82.0	4.0	
13-Aug-06				80.0	2.0	
14-Aug-06				77.0	3.0	
15-Aug-06				76.0	1.0	
16-Aug-06			6.8	82.0	0.8	
17-Aug-06			1.5	82.0	1.5	
18-Aug-06			14.0	93.0	3.0	
19-Aug-06				90.0	3.0	
20-Aug-06				87.0	3.0	
21-Aug-06				85.0	2.0	
22-Aug-06			12.0	93.0	4.0	
23-Aug-06			7.5	97.0	3.5	
24-Aug-06			0.5	96.0	1.5	
25-Aug-06			0.5	94.0	2.5	
26-Aug-06			5.5	100.0	-0.5	
27-Aug-06			1.2	100.0	1.2	
28-Aug-06			5.2	105.0	0.2	
29-Aug-06				100.0	5.0	
30-Aug-06				99.0	1.0	
31-Aug-06						
Totals			64.6	0.0	86.6	

Pan Evaporation Data - September 2006

DATE	TIME	WATER ADDED (mm)	PPT. GAUGE (mm)	PAN WATER LEVEL (mm)	NET EVAP. (mm)	COMMENTS/ INITIALS
				99.0	<<< Carry forward	
1-Sep-06				97.0	2.0	
2-Sep-06				96.0	1.0	
3-Sep-06				94.0	2.0	
4-Sep-06				91.0	3.0	
5-Sep-06			16.0	112.0	-5.0	
6-Sep-06			1.9	110.0	3.9	
7-Sep-06				109.0	1.0	
8-Sep-06				107.0	2.0	
9-Sep-06				106.0	1.0	
10-Sep-06				103.0	3.0	
11-Sep-06				101.0	2.0	
12-Sep-06			0.6	100.0	1.6	
13-Sep-06				99.0	1.0	
14-Sep-06				98.0	1.0	
15-Sep-06				95.0	3.0	
16-Sep-06				95.0	0.0	
17-Sep-06				94.5	0.5	
18-Sep-06			5.0	94.0	5.5	
19-Sep-06			0.0	92.0	2.0	
20-Sep-06			4.7	96.0	0.7	
21-Sep-06				94.0	2.0	
22-Sep-06				94.0	0.0	
23-Sep-06				93.5	0.5	
24-Sep-06				93.5	0.0	
25-Sep-06			3.0	93.0	3.5	
26-Sep-06				91.0	2.0	
27-Sep-06			1.0	92.0	0.0	
28-Sep-06			7.0	98.0	1.0	
29-Sep-06						
30-Sep-06						
Totals			39.2	0.0	40.2	

Brewery Creek Mine

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	
2005	87.9	128.6	119.9	77.7	49.9	
2006	80.7	138.8	135.7	86.6	40.2	
AVERAGE	75.8	142.9	134.5	93.5	48.1	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	
2005	61.5	90.0	83.9	54.4	34.9	
2006	56.5	97.1	95.0	60.6	28.1	
AVERAGE	53.1	100.1	94.2	65.5	33.6	15.6

Appendix B

WATER QUALITY

QZ96-007 - Amendment 7 (Application QZ03-062)

**SCHEDULE A
MONITORING STATIONS**

Station	Description	UTM Coordinates (Zone 7)	
		Northing (m)	Easting (m)
BC-01, H5, W5, B3	Laura Ck., 50 m u/s from Ditch Road	7,099,630	634,420
BC-02, H15, W15	Carolyn Ck. u/s from Laura Ck.	7,101,970	633,250
BC-03, 2, W4B	Laura Ck. above Carolyn Ck.	7,102,570	632,345
BC-04, H13, W13, B7	Lucky Ck. d/s from Lucky Pit	7,107,640	639,180
BC-05	Pacific Ck. u/s from confl. with Lee Ck.	7,103,130	627,610
BC-06, K1, W9, B5	South Klondike d/s from confl. with Lee Ck.	7,097,460	627,400
BC-09	Fosters Pit and Dump (Upper)		
BC-10	Kokanee Pit and Dump	7,105,760	635,620
BC-11	Blue Waste Dump	7,105,050	633,740
BC-12	Blue Pit	7,105,420	634,090
BC-13	Moosehead West Waste Dump	7,106,120	634,150
BC-14	Moosehead East Waste Dump		
BC-15	Moosehead Pit discharge	7,106,430	634,420
BC-16	Pacific Gulch - 300m above Laura	7,105,140	633,350
BC-17	Golden Pit and Dump	7,106,510	637,560
BC-18S	Lucky Pit and Dump - south end	7,107,220	638,180
BC-18N	Lucky Pit and Dump - north end	7,107,410	638,160
BC-19	Piezometer RC94-843	7,103,750	632,290
BC-20	Piezometer RC94-844	7,104,710	632,070
BC-21	Piezometer RC95-1354	7,105,070	632,740
BC-22	Piezometer RC95-1357	7,104,000	632,066
BC-23	Piezometer RC95-1370	7,103,410	632,500
BC-24	Piezometer RC95-1400	7,104,630	631,920
BC-25	Piezometer RC96-1608	7,104,000	632,215
BC-26	Piezometer RC97-2024	7,107,120	638,320
BC-27	Piezometer RC97-2026	7,106,550	637,380
BC-28	Overflow pond decant	7,103,800	632,540
BC28a	Discharge from heap		
BC-39	Laura Creek in the side channel of the South Klondike River	7,098,230	631,340
BC-51W	Pacific Pit - west side	7,105,240	633,130
BC-65	Land Application Piezometer	7,102,140	633,990
BC-66	Land Application Piezometer	7,100,660	634,710
BC-67	Blue WRSA Piezometer	7,105,280	633,710
BC-68	Blue WRSA Piezometer	7,105,310	633,920
BC-69	Blue WRSA Piezometer	7,105,150	633,820
H2, W2, B2, BC-31	Golden Creek above confluence with S. Klondike	7,104,030	642,340
H3, W3, BC-32	Laura Creek below exploration camp	7,105,100	634,170
H6, W6A, B6, BC-33	Lee Creek above Pacific Creek	7,103,240	627,420
H7, W7, B1, BC-34	Lee Creek at Ditch Road	7,100,380	627,710
He, W14, BC-35	Pacific Creek below heap leach pad	7,106,010	630,650
H16, W16, BC-36	Golden Creek above confluence with Lucky Creek	7,109,860	640,500
H17, W5A, BC-37	Laura Creek at Ditch Road	7,099,700	633,960
K4, W8, B4, BC-38	S. Klondike upstream from confluence with Golden Creek	7,102,670	642,250

QZ96-007 - Amendment 7 (Application QZ03-062)

**SCHEDULE B-1
MONITORING SCHEDULE (2005 to 2009)**

Monitoring Station																																				
Parameter	BC 1	BC 2	BC 3	BC 4	BC 5	BC 6	BC 9	BC 10	BC 11	BC 12	BC 13	BC 14	BC 15	BC 16	BC 17	BC 18	BC 19	BC 20	BC 21	BC 22	BC 23	BC 24	BC 25	BC 26	BC 27	BC 28	BC 28a	BC 31	BC 34	BC 39	BC 51W	BC 65	BC 66	BC 67	BC 68	BC 69
Flow	M/Q	M/Q	C	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	C		Q	Q	Q	Q	(2)	(2)	(2)	(2)	(2)
pH (field)	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	MWA	MWA	Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q
pH (laboratory)	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q			Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q
Conductivity (field)	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	MWA	MWA	Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q
Conductivity (lab)	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q			Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q	
Temperature (field)	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q
Hardness	M/Q	M/Q	M/Q	Q	Q	Q																														
Alkalinity	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q			Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q	
Dissolved solids	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q			Q	Q	Q	Q			Q	Q	Q	
Suspended solids	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q										MWA	MWA	Q	Q	Q	Q	MA/Q	MA/Q			
Chloride	M/Q	M/Q	M/Q	Q	Q	Q										Q	Q	Q	Q	Q	Q	Q	Q	Q										Q	Q	Q
Sulphate	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q			Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q	
Ammonia	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	MWA	MWA	Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q	
Nitrate	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q			Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q	
Total cyanide	M/Q	M/Q			Q											Q	Q	Q	Q	Q	Q	Q	Q	Q	MWA	MWA					MA/Q	MA/Q	Q	Q	Q	
WAD cyanide	M/Q	M/Q			Q											Q	Q	Q	Q	Q	Q	Q	Q	Q	MWA	MWA					MA/Q	MA/Q	Q	Q	Q	
ICP metals	M/Q	M/Q	M/Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	MWA	MWA	Q	Q	Q	Q	MA/Q	MA/Q	Q	Q	Q	
Bio-assay																										MWA	MWA									

LEGEND

Q = Quarterly
M/Q = Monthly in years 2005, 2006 and 2007, and quarterly in years 2008 and 2009
C = Continuous
MWA=Monthly when active
MA/Q=Monthly when active and quarterly when not active

ICP metals to include Ca, Mg, Na, K, Cu, As, Sb, Hg, Zn, Se, Pb, Al Bi, Cd, Cr, Fe, Mn, Mo, Ni, Ag and S.

BC-18 includes BC-18S and BC-18N
(2) denotes static water elevation

QZ96-007 - Amendment 7 (Application QZ03-062)

**SCHEDULE B-2
MONITORING SCHEDULE (2010 to 2014)**

Monitoring Station																																						
Parameter	BC 1	BC 2	BC 3	BC 4	BC 5	BC 6	BC 9	BC 10	BC 11	BC 12	BC 13	BC 14	BC 15	BC 16	BC 17	BC 18	BC 19	BC 20	BC 21	BC 22	BC 23	BC 24	BC 25	BC 26	BC 27	BC 28	BC 28a	BC 31	BC 34	BC 39	BC 51W	BC 65	BC 66	BC 67	BC 68	BC 69		
Flow	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	C		SA	SA	SA	SA	(2)	(2)	(2)	(2)	(2)	
pH (field)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	MWA	MWA	SA	SA	SA	SA	SA	MA/Q	MA/Q	A	A	A
pH (laboratory)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA			SA	SA	SA	SA	MA/Q	MA/Q	A	A	A	
Conductivity (field)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	MWA	MWA	SA	SA	SA	SA	MA/Q	MA/Q	A	A	A	
Conductivity (lab)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA			SA	SA	SA	SA	MA/Q	MA/Q	A	A	A		
Temperature (field)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA													SA	SA	SA	SA	MA/Q	MA/Q	A	A	A	
Hardness	SA	SA	SA	SA	SA	SA																																
Alkalinity	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA			SA	SA	SA	SA	MA/Q	MA/Q	A	A	A		
Dissolved solids	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA			SA	SA	SA	SA			A	A	A		
Suspended solids	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA											MWA	MWA	SA	SA	SA	SA	MA/Q	MA/Q				
Chloride	SA	SA	SA	SA	SA	SA											SA	SA	SA	SA	SA	SA	SA	SA	SA										A	A	A	
Sulphate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA			SA	SA	SA	SA	MA/Q	MA/Q	A	A	A		
Ammonia	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	MWA	MWA	SA	SA	SA	SA	MA/Q	MA/Q	A	A	A		
Nitrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA			SA	SA	SA	SA	MA/Q	MA/Q	A	A	A		
Total cyanide	SA	SA				SA											SA	SA	SA	SA	SA	SA	SA	SA	SA	MWA	MWA					MA/Q	MA/Q	A	A	A		
WAD cyanide	SA	SA				SA											SA	SA	SA	SA	SA	SA	SA	SA	SA	MWA	MWA					MA/Q	MA/Q	A	A	A		
ICP metals	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	MWA	MWA	SA	SA	SA	SA	MA/Q	MA/Q	A	A	A		
Bio-assay																											MWA	MWA										

LEGEND

A=Annually
 SA=Semi-Annually
 MWA=Monthly when active
 MA/Q=Monthly when active and quarterly when not active
 C = Continuous

ICP metals to include Ca, Mg, Na, K, Cu, As, Sb, Hg, Zn, Se, Pb, Al Bi, Cd, Cr, Fe, Mn, Mo, Ni, Ag and S.

BC-18 includes BC-18S and BC-18N
 (2) denotes static water elevation

QZ96-007 - Amendment 7 (Application QZ03-062)

**SCHEDULE B-3
MONITORING SCHEDULE (2015 to expiry)**

Monitoring Station																																					
Parameter	BC 1	BC 2	BC 3	BC 4	BC 5	BC 6	BC 9	BC 10	BC 11	BC 12	BC 13	BC 14	BC 15	BC 16	BC 17	BC 18	BC 19	BC 20	BC 21	BC 22	BC 23	BC 24	BC 25	BC 26	BC 27	BC 28	BC 28a	BC 31	BC 34	BC 39	BC 51W	BC 65	BC 66	BC 67	BC 68	BC 69	
Flow	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	C		A	A	A	A	(2)	(2)	(2)	(2)	(2)
pH (field)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	MWA	MWA	A	A	A	A	MA/Q	MA/Q	A	A	A
pH (laboratory)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	MA/Q	MA/Q	A	A	A	
Conductivity (field)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	MWA	MWA	A	A	A	A	MA/Q	MA/Q	A	A	A	
Conductivity (lab)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	MA/Q	MA/Q	A	A	A		
Temperature (field)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A													A	A	A	A	MA/Q	MA/Q	A	A	A	
Hardness	A	A	A	A	A																																
Alkalinity	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	MA/Q	MA/Q	A	A	A		
Dissolved solids	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A			A	A	A		
Suspended solids	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A											MWA	MWA	A	A	A	A	MA/Q	MA/Q				
Chloride	A	A	A	A	A											A	A	A	A	A	A	A	A	A										A	A	A	
Sulphate	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	MA/Q	MA/Q	A	A	A		
Ammonia	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	MWA	MWA	A	A	A	A	MA/Q	MA/Q	A	A	A		
Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	MA/Q	MA/Q	A	A	A		
Total cyanide	A	A				A											A	A	A	A	A	A	A	A	MWA	MWA					MA/Q	MA/Q	A	A	A		
WAD cyanide	A	A				A											A	A	A	A	A	A	A	A	MWA	MWA					MA/Q	MA/Q	A	A	A		
ICP metals	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	MWA	MWA	A	A	A	A	MA/Q	MA/Q	A	A	A		
Bio-assay																										MWA	MWA										

LEGEND

A=Annually
MWA=Monthly when active
MA/Q=Monthly when active and quarterly when not active
C = Continuous

ICP metals to include Ca, Mg, Na, K, Cu, As, Sb, Hg, Zn, Se, Pb, Al Bi, Cd, Cr, Fe, Mn, Mo, Ni, Ag and S.

BC-18 includes BC-18S and BC-18N
(2) denotes static water elevation

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-1	BC-1	BC-1	BC-1	BC-1	BC-1
Units	Date	30-Jan-06	25-Feb-06	28-Mar-06	27-Apr-06	25-May-06	28-Jun-06
m3/sec, m	Water Level or Flow	frozen	frozen, nm	frozen, nm	frozen, nm	0.499	0.092
pH units	pH (field)	5.47	meter broke	7.92	7.55	7.75	6.85
pH units	pH (lab)	7.84	7.95	8.11	7.67	7.94	8.06
uS/cm	Conductivity (field)	512	412	576	211	256	299
uS/cm	Conductivity (lab)	548	563	675	249	295	1660
°C	Temperature (field)	-0.5	1	-1.1	-0.9	-1	3.2
mg CaCO ₃ /L	Hardness	323	320	417	125	167	172
mg CaCO ₃ /L	Alkalinity	155	173	207	61.3	83.2	92.8
mg/L	Total Dissolved Solids	374	385	469	214	205	225
mg/L	Total Suspended Solids	3.2	11.4	<3.0	<3.0	158	182
mg/L	Chloride	0.88	1.84	0.59	1.44	0.98	0.93
mg/L	Sulfate	144	136	180	56.6	65.3	68.7
mg /L	Ammonia	0.022	0.036	0.028	<0.020	0.031	0.062
mg /L	Nitrate	0.272	0.255	0.138	0.221	0.391	0.743
mg/L	Total Cyanide	0.0075	<0.0050	<0.0050	<0.0050	<0.0050	0.224
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0921
	Total Metals	TM	TM	TM	TM	TM	TM
mg/L	Aluminum	0.069	0.093	0.0168	0.606	2.32	2.44
mg/L	Antimony	0.00234	0.00236	0.00282	0.0039	0.00591	0.00414
mg/L	Arsenic	0.0125	0.0118	0.0115	0.0128	0.0151	0.00967
mg/L	Barium	0.0792	0.0796	0.106	0.0713	0.168	0.152
mg/L	Beryllium	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050
mg/L	Bismuth	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050
mg/L	Boron	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010
mg/L	Cadmium	0.000119	0.000069	<0.00010	0.000088	0.000294	0.000204
mg/L	Calcium	79.6	80	104	30.2	40.5	41.8
mg/L	Chromium	<0.00050	<0.00050	<0.0010	0.001	0.00444	0.00426
mg/L	Cobalt	0.00035	0.00032	<0.00020	0.00119	0.00267	0.00355
mg/L	Copper	0.00089	0.00077	0.00059	0.0024	0.00716	0.00746
mg/L	Iron	0.159	0.222	0.08	0.536	3.81	3.22
mg/L	Lead	0.000153	0.000159	<0.00010	0.000377	0.00226	0.002
mg/L	Lithium	0.0133	0.0135	0.016	<0.0050	0.0094	0.0091
mg/L	Magnesium	30.3	29.2	38.2	12.1	16	16.4
mg/L	Manganese	0.0655	0.0552	0.0469	0.0496	0.187	0.125
mg/L	Mercury	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
mg/L	Molybdenum	0.00442	0.00409	0.00498	0.00161	0.00243	0.00273
mg/L	Nickel	0.00174	0.00135	<0.0010	0.00238	0.00858	0.00744
mg/L	Phosphorus	<0.30	<0.30	<0.30	0.49	<0.30	<0.30
mg/L	Potassium	<2.0	<2.0	3	3.9	<2.0	<2.0
mg/L	Selenium	0.0023	0.0021	0.0026	0.0012	0.001	0.002
mg/L	Silicon	6.73	6.26	7.91	4.27	7.26	7.44
mg/L	Silver	<0.000010	<0.000010	<0.000020	0.000042	0.000065	0.000045
mg/L	Sodium	5.1	4.6	6.7	2.7	2.5	3.5
mg/L	Strontium	0.387	0.404	0.502	0.135	0.194	0.222
mg/L	Sulphur	48.8	50.9	69.4	19.4	21.1	23.4
mg/L	Thallium	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010
mg/L	Tin	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010
mg/L	Titanium	<0.010	<0.010	<0.010	0.025	0.085	0.077
mg/L	Uranium	0.00364	0.00369	0.00419	0.000992	0.00191	0.00195
mg/L	Vanadium	0.0025	0.0025	<0.0020	0.0048	0.0111	0.0099
mg/L	Zinc	0.004	<0.0060	0.0031	0.0062	0.0244	0.0203

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-1	BC-1	BC1	BC1	BC1
Units	Date	31-Jul-06	29-Aug-06	18-Sep-06	23-Oct-06	27-Nov-06
m3/sec, m	Water Level or Flow	0.052	0.181	0.14	frozen, nm	frozen, nm
pH units	pH (field)	8.41	8.17	8.25	8.26	nm
pH units	pH (lab)	8.18	8.16	7.7	7.95	7.35
uS/cm	Conductivity (field)	511	310	338	341	nm
uS/cm	Conductivity (lab)	470	377	415	472	623
°C	Temperature (field)	4.6	3.1	1.7	0.3	nm
mg CaCO ₃ /L	Hardness	261	207	223	234	343
mg CaCO ₃ /L	Alkalinity	138	112	121	130	184
mg/L	Total Dissolved Solids	310	252	322	334	452
mg/L	Total Suspended Solids	42.2	60.2	16	10	99
mg/L	Chloride	0.93	1.05	0.62	0.7	0.93
mg/L	Sulfate	115	88.8	92	106	166
mg /L	Ammonia	<0.020	0.026	<0.05	<0.05	<0.05
mg /L	Nitrate	0.357	0.302	0.3	0.41	0.2
mg/L	Total Cyanide	<0.0050	<0.0050	0.001	<0.001	0.003
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.002	<0.002	0.004
	Total Metals	TM	TM	TM	TM	TM
mg/L	Aluminum	0.799	1.04	0.107	0.258	2.55
mg/L	Antimony	0.0033	0.00343	0.0008	0.003	0.0048
mg/L	Arsenic	0.0081	0.00767	0.0013	0.0054	0.0142
mg/L	Barium	0.0979	0.109	0.02	0.074	0.191
mg/L	Beryllium	<0.00050	<0.00050	<0.0001	<0.0001	0.0001
mg/L	Bismuth	<0.00050	<0.00050	<0.0005	<0.0005	<0.0005
mg/L	Boron	<0.010	<0.010	0.003	0.009	0.019
mg/L	Cadmium	0.000075	0.000097	<0.00001	0.00003	0.00011
mg/L	Calcium	63.2	51.1	54.3	58.1	85.4
mg/L	Chromium	0.00184	0.0023	<0.0005	0.0007	0.0044
mg/L	Cobalt	0.00151	0.00166	0.0003	0.0009	0.0015
mg/L	Copper	0.00319	0.00441	<0.001	0.001	0.005
mg/L	Iron	1.48	1.47	0.6	0.4	3.6
mg/L	Lead	0.000609	0.000893	<0.0001	0.0002	0.002
mg/L	Lithium	0.0114	0.0106	0.003	0.014	0.017
mg/L	Magnesium	25.1	19.4	21.2	21.6	31.5
mg/L	Manganese	0.0836	0.108	0.075	0.055	0.126
mg/L	Mercury	<0.000050	<0.000050	<0.0001	<0.0001	<0.0001
mg/L	Molybdenum	0.00355	0.00272	<0.001	0.003	0.004
mg/L	Nickel	0.00354	0.00556	0.0009	0.0025	0.0069
mg/L	Phosphorus	<0.30	<0.30	0.08	<0.05	0.07
mg/L	Potassium	<2.0	<2.0	0.9	1.2	1.8
mg/L	Selenium	0.0017	0.0019	0.0005	0.0018	0.0022
mg/L	Silicon	6.54	7.31	6.08	5.43	11.9
mg/L	Silver	0.000021	0.000022	<0.0001	<0.0001	<0.0001
mg/L	Sodium	4.3	3.5	3.6	4.7	5.2
mg/L	Strontium	0.317	0.274	0.062	0.28	0.457
mg/L	Sulphur	39.2	30.6	31.5	33.5	54.5
mg/L	Thallium	<0.00010	<0.00010	<0.00005	<0.00005	0.00006
mg/L	Tin	<0.00010	<0.00010	<0.001	<0.001	<0.001
mg/L	Titanium	0.034	0.039	0.0046	0.0131	0.11
mg/L	Uranium	0.00215	0.00197	<0.0005	0.0023	0.0042
mg/L	Vanadium	0.0051	0.0055	0.0007	0.0022	0.0133
mg/L	Zinc	0.0075	0.0103	0.002	0.004	0.02

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC1
Units	Date	19-Dec-06
m ³ /sec, m	Water Level or Flow	frozen, no water
pH units	pH (field)	
pH units	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	Total Suspended Solids	
mg/L	Chloride	
mg/L	Sulfate	
mg /L	Ammonia	
mg /L	Nitrate	
mg/L	Total Cyanide	
mg/L	WAD Cyanide	
	Total Metals	TM
mg/L	Aluminum	
mg/L	Antimony	
mg/L	Arsenic	
mg/L	Barium	
mg/L	Beryllium	
mg/L	Bismuth	
mg/L	Boron	
mg/L	Cadmium	
mg/L	Calcium	
mg/L	Chromium	
mg/L	Cobalt	
mg/L	Copper	
mg/L	Iron	
mg/L	Lead	
mg/L	Lithium	
mg/L	Magnesium	
mg/L	Manganese	
mg/L	Mercury	
mg/L	Molybdenum	
mg/L	Nickel	
mg/L	Phosphorus	
mg/L	Potassium	
mg/L	Selenium	
mg/L	Silicon	
mg/L	Silver	
mg/L	Sodium	
mg/L	Strontium	
mg/L	Sulphur	
mg/L	Thallium	
mg/L	Tin	
mg/L	Titanium	
mg/L	Uranium	
mg/L	Vanadium	
mg/L	Zinc	

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-2	BC-2	BC-2	BC-2	BC-2	BC-2
Units	Date	30-Jan-06	25-Feb-06	28-Mar-06	27-Apr-06	25-May-06	27-Jun-06
m3/sec, m	Water Level or Flow	frozen, nm	frozen, nm	frozen, nm	frozen, nm	0.039	0.01
pH units	pH (field)	6.48			7.32	7.53	7.53
pH units	pH (lab)	7.75	7.69		7.59	7.69	7.68
uS/cm	Conductivity (field)	455	468		217	214	293
uS/cm	Conductivity (lab)	796	749		240	284	327
°C	Temperature (field)	-0.5	0		-1.3	-0.4	4.8
mg CaCO ₃ /L	Hardness	444	451		118	133	160
mg CaCO ₃ /L	Alkalinity	173	161		51.4	47.1	45.7
mg/L	Total Dissolved Solids	590	508		215	211	247
mg/L	Total Suspended Solids	77.2	2060		<3.0	39.1	798
mg/L	Chloride	1.67	2.21		2.58	1.69	2.03
mg/L	Sulfate	270	234		69	79.3	75.5
mg /L	Ammonia	0.1	0.197		<0.020	0.064	0.044
mg /L	Nitrate	0.177	0.28		0.569	1.5	6.66
mg/L	Total Cyanide	<0.0050	<0.0050		<0.0050	<0.0050	<0.0050
mg/L	WAD Cyanide	<0.0050	<0.0050		<0.0050	<0.0050	<0.0050
	Total Metals	TM	TM	TM	TM	TM	TM
mg/L	Aluminum	0.532	9.74		1.5	0.486	12.3
mg/L	Antimony	0.00276	0.0108		0.00281	0.0011	0.0034
mg/L	Arsenic	0.00254	0.0405		0.00253	0.00173	0.0112
mg/L	Barium	0.185	0.613		0.1	0.102	0.52
mg/L	Beryllium	<0.0010	<0.0010		<0.00050	<0.00050	0.00068
mg/L	Bismuth	<0.0010	<0.0010		<0.00050	<0.00050	<0.00050
mg/L	Boron	<0.020	<0.020		0.011	<0.010	0.011
mg/L	Cadmium	0.00032	0.00186		0.000167	<0.000050	0.000412
mg/L	Calcium	103	107		29.9	31.3	37.8
mg/L	Chromium	0.0014	0.0205		0.0017	0.00102	0.0194
mg/L	Cobalt	0.00623	0.0144		0.00374	0.00623	0.029
mg/L	Copper	0.00307	0.0613		0.0037	0.00268	0.0256
mg/L	Iron	3.78	44.5		0.814	1.26	17.4
mg/L	Lead	0.00088	0.0269		0.000796	0.000564	0.0118
mg/L	Lithium	0.018	0.024		<0.0050	0.0062	0.0149
mg/L	Magnesium	45.2	44.4		10.6	13.2	16.1
mg/L	Manganese	0.851	2.1		0.191	0.402	0.485
mg/L	Mercury	<0.000050	0.0103		<0.000050	<0.000050	<0.000050
mg/L	Molybdenum	0.00176	0.00349		0.000327	0.00038	0.00126
mg/L	Nickel	0.0048	0.0499		0.00321	0.00293	0.0221
mg/L	Phosphorus	<0.30	0.62		0.45	<0.30	0.5
mg/L	Potassium	<2.0	2.8		4.6	<2.0	<2.0
mg/L	Selenium	0.0024	0.0069		0.0018	0.0012	0.0038
mg/L	Silicon	6.58	20.5		4.87	4.93	21.3
mg/L	Silver	0.000047	0.00692		0.000049	0.000025	0.000176
mg/L	Sodium	13	12.2		5.7	7.9	18.8
mg/L	Strontium	0.485	0.501		0.0883	0.1	0.155
mg/L	Sulphur	92.6	89.8		20.5	26.3	28.7
mg/L	Thallium	<0.00020	<0.00020		<0.00010	<0.00010	0.00012
mg/L	Tin	<0.00020	0.0005		<0.00010	<0.00010	0.0001
mg/L	Titanium	0.019	0.261		0.042	0.016	0.325
mg/L	Uranium	0.00191	0.00441		0.00022	0.000317	0.00149
mg/L	Vanadium	0.0026	0.0396		0.0036	0.0026	0.0376
mg/L	Zinc	0.0245	0.28		0.0114	0.0055	0.0676

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-2	BC-2	BC2	BC2	BC2	BC2
Units	Date	31-Jul-06	29-Aug-06	18-Sep-06	23-Oct-06	27-Nov-06	19-Dec-06
m3/sec, m	Water Level or Flow	0.01	0.1	0.02	frozen, nm	frozen, nm	frozen, nm
pH units	pH (field)	7.81	8.75	7.7	7.48		7.39
pH units	pH (lab)	8.02	8.02	7.34	7.46		7.46
uS/cm	Conductivity (field)	635	345	370	511		705
uS/cm	Conductivity (lab)	587	425	473	633		1060
°C	Temperature (field)	4.3	2.5	1.3	0.3		0.4
mg CaCO ₃ /L	Hardness	282	217	236	309		605
mg CaCO ₃ /L	Alkalinity	111	87.2	99	122		176
mg/L	Total Dissolved Solids	386	301	414	482		924
mg/L	Total Suspended Solids	52.2	59.7	37	16		<2
mg/L	Chloride	2.2	1.87	1.52	1.9		2.6
mg/L	Sulfate	188	129	136	187		410
mg /L	Ammonia	0.11	0.078	0.08000	<0.05		0.025
mg /L	Nitrate	5.12	2.08	2.68	4.36		0.7
mg/L	Total Cyanide	0.0087	<0.0050	0.007	0.012		0.003
mg/L	WAD Cyanide	<0.0050	0.0166	0.002	0.004		<0.002
	Total Metals	TM	TM	TM	TM	TM	TM
mg/L	Aluminum	0.855	1.28	0.251	0.531		0.03
mg/L	Antimony	0.00142	0.00128	0.0002	0.0009		0.001
mg/L	Arsenic	0.00173	0.00264	0.0003	0.0011		0.001
mg/L	Barium	0.131	0.159	0.03	0.1		0.11
mg/L	Beryllium	<0.00050	<0.00050	<0.0001	<0.0001		<0.0002
mg/L	Bismuth	<0.00050	<0.00050	<0.0005	<0.0005		<0.001
mg/L	Boron	<0.010	<0.010	0.003	0.009		0.005
mg/L	Cadmium	<0.000050	0.000076	0.00001	0.00002		0.00007
mg/L	Calcium	66.3	51.6	55.5	73.9		133
mg/L	Chromium	0.00174	0.00265	0.0005	0.0013		<0.001
mg/L	Cobalt	0.015	0.0102	0.0023	0.0115		0.004
mg/L	Copper	0.00322	0.0048	<0.001	0.002		0.003
mg/L	Iron	1.98	2.57	1.9	1		<0.2
mg/L	Lead	0.000816	0.00136	0.0002	0.0004		0.0003
mg/L	Lithium	0.0087	0.0086	0.002	0.013		0.021
mg/L	Magnesium	28.2	21.3	23.6	30.3		66.4
mg/L	Manganese	0.333	0.379	0.298	0.266		0.11
mg/L	Mercury	<0.000050	<0.000050	<0.0001	<0.0001		
mg/L	Molybdenum	0.000686	0.000622	<0.001	<0.001		<0.002
mg/L	Nickel	0.00336	0.00539	0.0011	0.0023		0.0025
mg/L	Phosphorus	<0.30	<0.30	0.11	<0.05		
mg/L	Potassium	<2.0	<2.0	0.9	1.4		2.9
mg/L	Selenium	0.0049	0.003	0.0009	0.005		0.01
mg/L	Silicon	6.48	8.17	7.5	6.43		7.56
mg/L	Silver	0.000023	0.000028	<0.0001	<0.0001		<0.0002
mg/L	Sodium	20.2	13.3	12	16.7		20.8
mg/L	Strontium	0.202	0.181	0.042	0.204		0.422
mg/L	Sulphur	61	44.3	46	59.8		150
mg/L	Thallium	<0.00010	<0.00010	<0.00005	<0.00005		<0.0001
mg/L	Tin	<0.00010	<0.00010	<0.001	<0.001		<0.002
mg/L	Titanium	0.033	0.04	0.0097	0.0238		0.0075
mg/L	Uranium	0.000665	0.00079	<0.0005	0.001		<0.001
mg/L	Vanadium	0.0041	0.0055	0.001	0.0021		0.0002
mg/L	Zinc	0.0077	0.0093	0.002	0.005		0.023

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-3	BC-3	BC-3	BC-3	BC-3	BC-3
Units	Date	30-Jan-06	25-Feb-06	28-Mar-06	frozen, nm	25-May-06	27-Jun-06
m ³ /sec, m	Water Level or Flow	frozen, nm	frozen, nm	frozen, nm	frozen, nm	0.251	0.092
pH units	pH (field)	6.22		7.52	7.99	7.94	7.92
pH units	pH (lab)	7.94	7.98	8.19	8.05	8.02	8.04
uS/cm	Conductivity (field)	458	426	615	355	283	267
uS/cm	Conductivity (lab)	659	662	740	413	324	323
°C	Temperature (field)	-0.3	-0.5	-1.2	-1.4	-0.3	3.6
mg CaCO ₃ /L	Hardness	395	385	452	218	184	167
mg CaCO ₃ /L	Alkalinity	188	188	221	99.8	97.1	92.2
mg/L	Total Dissolved Solids	449	455	509	318	229	260
mg/L	Total Suspended Solids	<3.0	4.4	<3.0	14.3	81.6	362
mg/L	Chloride	0.7	1.77	0.57	2.12	0.91	0.88
mg/L	Sulfate	187	181	203	109	73.5	60.4
mg /L	Ammonia	0.059	0.0348	0.023	<0.020	0.028	0.042
mg /L	Nitrate	0.268	0.248	0.11	0.187	0.428	0.254
mg/L	Total Cyanide	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.011
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Total Metals	TM	TM	TM	TM	TM	TM
mg/L	Aluminum	0.0229	0.639	0.0066	2.6	1.6	3.27
mg/L	Antimony	0.00337	0.00311	0.00376	0.0196	0.00549	0.00465
mg/L	Arsenic	0.00202	0.00252	0.00207	0.0291	0.00925	0.00856
mg/L	Barium	0.079	0.0821	0.0955	0.145	0.125	0.161
mg/L	Beryllium	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050
mg/L	Bismuth	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050
mg/L	Boron	<0.010	0.088	<0.020	0.011	<0.010	<0.010
mg/L	Cadmium	0.000089	0.000085	<0.00010	0.000154	0.000215	0.000245
mg/L	Calcium	95.2	94.7	113	51.1	44.4	40.5
mg/L	Chromium	<0.00050	0.0007	<0.0010	0.00385	0.00295	0.00521
mg/L	Cobalt	0.00075	0.00078	0.00031	0.00157	0.00215	0.00304
mg/L	Copper	0.00076	0.0027	<0.00020	0.00456	0.00524	0.0113
mg/L	Iron	0.148	0.226	0.062	2.12	2.71	4.9
mg/L	Lead	<0.000050	0.00262	<0.00010	0.00214	0.0015	0.00302
mg/L	Lithium	0.0182	0.0169	0.018	0.01	0.0097	0.009
mg/L	Magnesium	38.2	36.1	41.5	21.9	17.8	16.1
mg/L	Manganese	0.166	0.144	0.113	0.124	0.171	0.16
mg/L	Mercury	<0.000050	<0.000050	<0.000050	0.000202	<0.000050	<0.000050
mg/L	Molybdenum	0.00257	0.00243	0.00341	0.00231	0.00194	0.00189
mg/L	Nickel	0.00312	0.0028	0.002	0.00536	0.00708	0.0102
mg/L	Phosphorus	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
mg/L	Potassium	<2.0	<2.0	2.7	3.1	<2.0	<2.0
mg/L	Selenium	0.002	0.0016	0.0029	0.001	0.0012	0.002
mg/L	Silicon	5.12	4.91	5.69	7.09	5.86	8.14
mg/L	Silver	<0.000010	0.000012	<0.000020	0.000111	0.000044	0.000053
mg/L	Sodium	4.8	4.3	5.2	3	2.2	<2.0
mg/L	Strontium	0.513	0.502	0.599	0.274	0.21	0.2
mg/L	Sulphur	63.3	65.4	76	30.9	24.5	20.7
mg/L	Thallium	<0.00010	<0.00010	<0.00020	0.00011	<0.00010	<0.00010
mg/L	Tin	<0.00010	<0.00010	<0.00020	0.00011	0.00015	<0.00010
mg/L	Titanium	<0.010	<0.010	<0.010	0.078	0.061	0.117
mg/L	Uranium	0.00283	0.00294	0.00353	0.00193	0.00152	0.00148
mg/L	Vanadium	<0.0010	<0.0010	<0.0020	0.0126	0.0067	0.0116
mg/L	Zinc	0.0062	0.0093	0.0041	0.0171	0.0188	0.0285

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-3	BC-3	BC3	BC3	BC3	BC3
Units	Date	31-Jul-06	29-Aug-06	18-Sep-06	23-Oct-06	27-Nov-06	19-Dec-06
m3/sec, m	Water Level or Flow	0.045	0.076	0.11	frozen, nm	frozen, nm	frozen, nm
pH units	pH (field)	8.21	8.55	7.8	8.5	nm	7.88
pH units	pH (lab)	8.16	8.18	7.71	7.82	7.3	8.1
uS/cm	Conductivity (field)	561	337	358	415	nm	725
uS/cm	Conductivity (lab)	512	410	450	517	817	1000
°C	Temperature (field)	3.7	1.7	1	0.3	nm	0.4
mg CaCO ₃ /L	Hardness	285	234	245	261	464	589
mg CaCO ₃ /L	Alkalinity	150	125	134	138	188	262
mg/L	Total Dissolved Solids	340	274	368	368	634	828
mg/L	Total Suspended Solids	10.8	16.7	12	<2	<2	<2
mg/L	Chloride	0.93	0.94	0.6	0.69	1.14	1.4
mg/L	Sulfate	133	98.4	106	124	278	300
mg /L	Ammonia	<0.020	0.021	<0.05	<0.05	<0.05	0.006
mg /L	Nitrate	0.144	0.213	0.23	0.22	0.32	<0.1
mg/L	Total Cyanide	<0.0050	<0.0050	<0.001	<0.001	0.005	0.001
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.002	<0.002	0.004	<0.002
	Total Metals	TM	TM	TM	TM	TM	TM
mg/L	Aluminum	0.16	0.15	0.074	0.079	0.028	0.024
mg/L	Antimony	0.00402	0.00387	0.0009	0.0039	0.0029	0.0036
mg/L	Arsenic	0.00292	0.00332	0.0006	0.0021	0.0012	0.002
mg/L	Barium	0.0674	0.0689	0.017	0.067	0.103	0.2
mg/L	Beryllium	<0.00050	<0.00050	<0.0001	<0.0001	<0.0001	<0.0002
mg/L	Bismuth	<0.00050	<0.00050	<0.0005	<0.0005	<0.0005	<0.001
mg/L	Boron	<0.010	<0.010	0.003	0.008	0.028	0.009
mg/L	Cadmium	0.000058	0.000082	<0.00001	0.00004	0.00005	0.00012
mg/L	Calcium	68.4	57.6	59.2	63.8	107	141
mg/L	Chromium	0.0005	<0.00050	<0.0005	<0.0005	<0.0005	<0.001
mg/L	Cobalt	0.00058	0.00089	0.0002	0.0007	0.001	<0.0002
mg/L	Copper	0.00147	0.00194	<0.001	0.001	0.004	<0.002
mg/L	Iron	0.393	0.368	0.5	0.1	<0.1	<0.2
mg/L	Lead	0.000161	0.000224	<0.0001	<0.0001	0.0002	0.0002
mg/L	Lithium	0.0122	0.0104	0.003	0.016	0.02	0.026
mg/L	Magnesium	27.7	22	23.6	24.8	47.8	57.7
mg/L	Manganese	0.0627	0.0784	0.078	0.068	0.16	0.082
mg/L	Mercury	<0.000050	<0.000050	<0.0001	<0.0001	<0.0001	
mg/L	Molybdenum	0.00239	0.00211	<0.001	0.002	0.001	<0.002
mg/L	Nickel	0.00322	0.00425	0.001	0.0042	0.0036	0.0022
mg/L	Phosphorus	<0.30	<0.30	0.08	<0.05	<0.05	
mg/L	Potassium	<2.0	<2.0	1	1.3	1.8	3.5
mg/L	Selenium	0.0015	0.0014	0.0004	0.0012	0.0011	0.001
mg/L	Silicon	4.54	5.24	5.13	4.4	5.59	6.9
mg/L	Silver	0.000012	<0.000010	<0.0001	<0.0001	<0.0001	<0.0002
mg/L	Sodium	3	2.7	2.8	3.2	6.2	8.1
mg/L	Strontium	0.341	0.268	0.069	0.306	0.631	0.697
mg/L	Sulphur	43.6	34.8	35.5	39	89.6	108
mg/L	Thallium	<0.00010	<0.00010	<0.00005	<0.00005	<0.00005	<0.0001
mg/L	Tin	<0.00010	<0.00010	<0.001	<0.001	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.0036	0.0049	0.0048	0.0059
mg/L	Uranium	0.00166	0.00155	<0.0005	0.0018	0.0026	0.0034
mg/L	Vanadium	0.0011	0.0011	0.0004	0.0006	0.0003	0.0002
mg/L	Zinc	0.0058	0.0069	0.002	0.006	0.041	0.027

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-4	BC-4	BC4	BC4
Units	Date	30-Mar-06	27-Jun-06	20-Sep-06	20-Dec-06
m3/sec, m	Water Level or Flow	frozen, nm	0.085	0.03	frozen, nm
pH units	pH (field)	7.6	7.97	nm	7.86
pH units	pH (lab)	8.14	7.99	7.92	7.33
uS/cm	Conductivity (field)	612	389	nm	660
uS/cm	Conductivity (lab)	787	297	628	880
°C	Temperature (field)	-1.1	2	nm	0.5
mg CaCO ₃ /L	Hardness	441	235	349	568
mg CaCO ₃ /L	Alkalinity	223	104	162	248
mg/L	Total Dissolved Solids	538	283	478	700
mg/L	Total Suspended Solids	8.8	98.2	24	6
mg/L	Chloride	<0.50	0.62	0.49	0.6
mg/L	Sulfate	224	110	188	260
mg /L	Ammonia	0.03	0.021	<0.05	0.014
mg /L	Nitrate	0.213	0.285	0.3	0.4
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0749	1.23	0.178	0.19
mg/L	Antimony	0.00483	0.00492	0.0012	0.0033
mg/L	Arsenic	0.00331	0.00668	0.001	0.0024
mg/L	Barium	0.102	0.121	0.025	0.1
mg/L	Beryllium	<0.0010	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.020	<0.010	0.002	0.009
mg/L	Cadmium	0.00046	0.000225	0.00002	0.00006
mg/L	Calcium	107	55.1	83.6	143
mg/L	Chromium	<0.0010	0.00192	<0.0005	<0.001
mg/L	Cobalt	0.00166	0.0012	0.0002	0.0004
mg/L	Copper	0.0004	0.00387	<0.001	<0.002
mg/L	Iron	0.321	2.14	1	0.4
mg/L	Lead	0.00011	0.00165	0.0002	0.0004
mg/L	Lithium	<0.010	0.0063	0.002	0.008
mg/L	Magnesium	42.1	23.5	34	51.6
mg/L	Manganese	0.304	0.102	0.12	0.12
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.00544	0.00172	<0.001	0.002
mg/L	Nickel	0.0082	0.00633	0.001	0.0042
mg/L	Phosphorus	<0.30	<0.30	0.11	
mg/L	Potassium	2.1	<2.0	1.2	1
mg/L	Selenium	0.0051	0.0026	0.0007	0.0038
mg/L	Silicon	4.1	4.48	4.85	4.15
mg/L	Silver	<0.000020	0.000027	<0.0001	<0.0002
mg/L	Sodium	<2.0	<2.0	2	2
mg/L	Strontium	0.598	0.305	0.105	0.664
mg/L	Sulphur	81.6	38	60.2	98.7
mg/L	Thallium	<0.00020	<0.00010	<0.00005	<0.0001
mg/L	Tin	<0.00020	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	0.04	0.0087	0.012
mg/L	Uranium	0.00628	0.00206	0.0008	0.0063
mg/L	Vanadium	<0.0020	0.0057	0.0009	0.001
mg/L	Zinc	0.0304	0.0211	0.004	0.02

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-5	BC-5	BC5	BC5
Units	Date	27-Mar-06	27-Jun-06	20-Sep-06	20-Dec-06
m3/sec, m	Water Level or Flow	frozen, nm	0.214	0.14	frozen, nm
pH units	pH (field)	7.65	7.9	8.16	7.96
pH units	pH (lab)	8.17	8.10	7.93	7.46
uS/cm	Conductivity (field)	734	401	374	320
uS/cm	Conductivity (lab)	869	407	470	568
°C	Temperature (field)	-1.2	3	2.4	0.4
mg CaCO ₃ /L	Hardness	512	253	260	342
mg CaCO ₃ /L	Alkalinity	272	134	145	170
mg/L	Total Dissolved Solids	626	303	390	414
mg/L	Total Suspended Solids	9.3	39.2	<2	<2
mg/L	Chloride	<0.50	0.67	0.51	0.4
mg/L	Sulfate	247	101	107	154
mg /L	Ammonia	0.02	0.027	<0.05	0.004
mg /L	Nitrate	0.171	0.125	0.09	0.4
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0548	0.695	0.011	<0.01
mg/L	Antimony	0.00133	0.0008	<0.0002	<0.0004
mg/L	Arsenic	0.00333	0.00148	<0.0002	<0.0004
mg/L	Barium	0.101	0.105	0.017	0.052
mg/L	Beryllium	<0.0025	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0025	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.050	<0.010	0.002	0.006
mg/L	Cadmium	0.00279	0.000269	<0.00001	0.00007
mg/L	Calcium	126	62.4	64.3	85.9
mg/L	Chromium	<0.0025	0.00138	<0.0005	<0.001
mg/L	Cobalt	<0.00050	0.00065	<0.0001	<0.0002
mg/L	Copper	0.00219	0.00384	<0.001	<0.002
mg/L	Iron	0.266	1.21	<0.2	<0.2
mg/L	Lead	0.00114	0.000517	<0.0001	0.0002
mg/L	Lithium	<0.025	<0.0050	0.001	0.003
mg/L	Magnesium	48.1	23.5	24.2	30.9
mg/L	Manganese	0.0123	0.0991	0.02	<0.01
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.00254	0.00316	<0.001	<0.002
mg/L	Nickel	0.003	0.00712	0.001	0.002
mg/L	Phosphorus	<0.30	<0.30	0.08	
mg/L	Potassium	<2.0	<2.0	<0.8	<0.8
mg/L	Selenium	<0.0050	0.0015	0.0006	0.0022
mg/L	Silicon	4.09	4.52	4.09	3.5
mg/L	Silver	0.000073	0.000026	<0.0001	<0.0002
mg/L	Sodium	2.8	<2.0	2	2
mg/L	Strontium	0.48	0.233	0.059	0.325
mg/L	Sulphur	86.1	35	36.2	51.5
mg/L	Thallium	<0.00050	<0.00010	<0.00005	<0.0001
mg/L	Tin	0.00544	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	0.021	0.0007	0.0027
mg/L	Uranium	0.00509	0.00229	<0.0005	0.0024
mg/L	Vanadium	<0.0050	0.0054	0.0003	0.0008
mg/L	Zinc	0.0215	0.0348	0.004	0.01

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-6	BC-6	BC6	BC6
Units	Date	27-Mar-06	27-Jun-06	20-Sep-06	20-Dec-06
m3/sec, m	Water Level or Flow	frozen, nm	nm	nm	frozen, nm
pH units	pH (field)	7.12	7.7	nm	7.7
pH units	pH (lab)	7.87	8.07	7.71	7.66
uS/cm	Conductivity (field)	299	319	nm	272
uS/cm	Conductivity (lab)	376	439	429	327
°C	Temperature (field)	-0.8	4.7	nm	0.6
mg CaCO ₃ /L	Hardness	185	191	228	176
mg CaCO ₃ /L	Alkalinity	121	103	124	102
mg/L	Total Dissolved Solids	226	226	302	212
mg/L	Total Suspended Solids	<3.0	<3.0	<2	<2
mg/L	Chloride	1.31	<0.50	0.42	0.4
mg/L	Sulfate	71.7	73	97	68
mg /L	Ammonia	<0.020	<0.020	<0.05	0.004
mg /L	Nitrate	0.173	0.144	0.11	0.3
mg/L	Total Cyanide	<0.0050	<0.0050	<0.001	0.002
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.002	0.002
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0022	0.0358	<0.005	0.029
mg/L	Antimony	<0.00020	0.0002	<0.0002	<0.0004
mg/L	Arsenic	0.0003	0.00036	<0.0002	0.0004
mg/L	Barium	0.0846	0.0452	0.012	0.066
mg/L	Beryllium	<0.0010	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.020	<0.010	0.002	0.006
mg/L	Cadmium	<0.00010	0.000053	<0.00001	<0.00002
mg/L	Calcium	48.2	47.9	57.4	47.4
mg/L	Chromium	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Cobalt	<0.00020	<0.00010	<0.0001	<0.0002
mg/L	Copper	0.00039	0.00105	<0.001	<0.002
mg/L	Iron	<0.030	0.069	<0.2	<0.2
mg/L	Lead	<0.00010	0.000056	<0.0001	<0.0002
mg/L	Lithium	<0.010	<0.0050	<0.001	0.003
mg/L	Magnesium	15.7	17.2	20.7	14
mg/L	Manganese	0.00033	0.00729	<0.01	0.19
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.00065	0.000978	<0.001	<0.002
mg/L	Nickel	<0.0010	0.00127	<0.0005	<0.001
mg/L	Phosphorus	<0.30	<0.30	0.09	
mg/L	Potassium	<2.0	<2.0	<0.8	<0.8
mg/L	Selenium	<0.0020	0.0017	0.0005	0.0006
mg/L	Silicon	3.11	2.86	3.13	2.98
mg/L	Silver	<0.000020	<0.000010	<0.0001	<0.0002
mg/L	Sodium	7.8	<2.0	2	2.6
mg/L	Strontium	0.252	0.203	0.059	0.249
mg/L	Sulphur	25.2	26	31.9	24
mg/L	Thallium	<0.00020	<0.00010	<0.00005	<0.0001
mg/L	Tin	<0.00020	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	<0.0005	0.002
mg/L	Uranium	0.000884	0.000996	<0.0005	0.001
mg/L	Vanadium	<0.0020	<0.0010	0.0002	0.0004
mg/L	Zinc	<0.0020	0.0047	0.002	0.003

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-16	BC-16	BC16	BC16
Units	Date	29-Mar-06	27-Jun-06	19-Sep-06	19-Dec-06
m ³ /sec, m	Water Level or Flow	no flow	not measurable	no flow	no flow
pH units	pH (field)		8.33		
pH units	pH (lab)		8.04		
uS/cm	Conductivity (field)		590		
uS/cm	Conductivity (lab)		638		
°C	Temperature (field)		2.9		
mg CaCO ₃ /L	Hardness		361		
mg CaCO ₃ /L	Alkalinity		152		
mg/L	Total Dissolved Solids		459		
mg/L	Total Suspended Solids		<3.0		
mg/L	Chloride		1.37		
mg/L	Sulfate		191		
mg /L	Ammonia		0.021		
mg /L	Nitrate		0.12		
mg/L	Total Cyanide		-		
mg/L	WAD Cyanide		-		
	Total Metals		TM		
mg/L	Aluminum		0.019		
mg/L	Antimony		0.0456		
mg/L	Arsenic		0.0074		
mg/L	Barium		0.0483		
mg/L	Beryllium		<0.00050		
mg/L	Bismuth		<0.00050		
mg/L	Boron		<0.010		
mg/L	Cadmium		0.000066		
mg/L	Calcium		103		
mg/L	Chromium		<0.00050		
mg/L	Cobalt		<0.00010		
mg/L	Copper		0.00086		
mg/L	Iron		<0.030		
mg/L	Lead		<0.000050		
mg/L	Lithium		<0.0050		
mg/L	Magnesium		25.2		
mg/L	Manganese		0.00159		
mg/L	Mercury		<0.000050		
mg/L	Molybdenum		0.000916		
mg/L	Nickel		0.00135		
mg/L	Phosphorus		<0.30		
mg/L	Potassium		<2.0		
mg/L	Selenium		0.0038		
mg/L	Silicon		4.3		
mg/L	Silver		<0.000010		
mg/L	Sodium		<2.0		
mg/L	Strontium		0.276		
mg/L	Sulphur		65.7		
mg/L	Thallium		<0.00010		
mg/L	Tin		<0.00010		
mg/L	Titanium		<0.010		
mg/L	Uranium		0.00359		
mg/L	Vanadium		<0.0010		
mg/L	Zinc		0.0043		

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-31	BC-31	BC31	BC31
Units	Date	27-Mar-06	27-Jun-06	20-Sep-06	20-Dec-06
m3/sec, m	Water Level or Flow	frozen, nm	1.367	0.43	frozen, nm
pH units	pH (field)	7.99	8.03	8.39	7.78
pH units	pH (lab)	8.18	8.07	8.09	7.46
uS/cm	Conductivity (field)	793	277	400	774
uS/cm	Conductivity (lab)	957	300	502	987
°C	Temperature (field)	-1.2	2.6	2.9	0.4
mg CaCO ₃ /L	Hardness	457	169	280	618
mg CaCO ₃ /L	Alkalinity	288	91.2	156	323
mg/L	Total Dissolved Solids	688	209	378	798
mg/L	Total Suspended Solids	5.3	180	<2	<2
mg/L	Chloride	<0.50	0.79	0.4	0.8
mg/L	Sulfate	276	60.8	116	270
mg /L	Ammonia	0.048	0.031	<0.05	0.007
mg /L	Nitrate	0.28	0.168	0.21	0.3
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0351	2.43	0.01	0.026
mg/L	Antimony	0.00152	0.00115	0.0002	0.001
mg/L	Arsenic	0.00254	0.00345	<0.0002	0.001
mg/L	Barium	0.122	0.154	0.015	0.14
mg/L	Beryllium	<0.0025	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0025	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.050	<0.010	0.003	0.01
mg/L	Cadmium	0.00108	0.000409	<0.00001	0.00032
mg/L	Calcium	113	39.4	65.7	149
mg/L	Chromium	<0.0025	0.0054	0.0083	<0.001
mg/L	Cobalt	<0.00050	0.0021	0.0001	<0.0002
mg/L	Copper	0.00312	0.011	<0.001	0.005
mg/L	Iron	0.076	3.93	0.2	<0.2
mg/L	Lead	0.00062	0.00216	<0.0001	0.0003
mg/L	Lithium	<0.025	0.0055	0.002	0.01
mg/L	Magnesium	42.4	17.1	28.1	60
mg/L	Manganese	0.0264	0.145	0.02	0.11
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.00251	0.00165	<0.001	<0.002
mg/L	Nickel	0.0035	0.0102	0.0051	0.0028
mg/L	Phosphorus	<0.30	<0.30	0.08	
mg/L	Potassium	2.1	<2.0	<0.8	2.6
mg/L	Selenium	<0.0050	0.0019	0.0005	0.0028
mg/L	Silicon	4.56	6.12	3.84	5.98
mg/L	Silver	<0.000050	0.000122	<0.0001	<0.0002
mg/L	Sodium	2.7	<2.0	2	4.4
mg/L	Strontium	0.7	0.198	0.077	0.698
mg/L	Sulphur	84.2	20.6	39.7	99.6
mg/L	Thallium	<0.00050	<0.00010	<0.00005	<0.0001
mg/L	Tin	0.00191	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	0.066	0.0009	0.0056
mg/L	Uranium	0.0076	0.0018	0.0006	0.0067
mg/L	Vanadium	<0.0050	0.0164	<0.0001	0.0005
mg/L	Zinc	0.0252	0.0438	0.004	0.032

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-34	BC34	BC-34	BC34
Units	Date	28-Mar-06	20-Sep-06	28-Jun-06	20-Dec-06
m3/sec, m	Water Level or Flow	frozen, nm	1.72	1.932	frozen, nm
pH units	pH (field)	7.34	8.32	6.86	7.29
pH units	pH (lab)	8.08	7.87	8.17	7.53
uS/cm	Conductivity (field)	670	373	338	448
uS/cm	Conductivity (lab)	668	469	373	546
°C	Temperature (field)	0.2	5	4.8	0.4
mg CaCO ₃ /L	Hardness	359	256	205	322
mg CaCO ₃ /L	Alkalinity	195	141	118	161
mg/L	Total Dissolved Solids	439	376	245	380
mg/L	Total Suspended Solids	<3.0	<2	7.7	<2
mg/L	Chloride	<0.50	0.24	0.58	0.4
mg/L	Sulfate	189	116	78.6	14.4
mg /L	Ammonia	0.022	<0.05	0.022	0.006
mg /L	Nitrate	0.352	0.14	0.153	0.4
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0104	0.008	0.138	0.033
mg/L	Antimony	0.00027	<0.0002	0.0003	<0.0004
mg/L	Arsenic	0.00029	<0.0002	0.00032	0.0004
mg/L	Barium	0.0603	0.012	0.0487	0.051
mg/L	Beryllium	<0.0010	<0.0001	<0.00050	<0.0002
mg/L	Bismuth	<0.0010	<0.0005	<0.00050	<0.001
mg/L	Boron	<0.020	<0.002	<0.010	0.006
mg/L	Cadmium	0.0002	<0.00001	0.000093	0.00007
mg/L	Calcium	90.1	63.4	50.8	81.1
mg/L	Chromium	<0.0010	<0.0005	<0.00050	<0.001
mg/L	Cobalt	<0.00020	<0.0001	0.00012	<0.0002
mg/L	Copper	0.00153	<0.001	0.0021	0.002
mg/L	Iron	<0.030	<0.2	0.224	<0.2
mg/L	Lead	0.00013	<0.0001	0.00013	0.0003
mg/L	Lithium	<0.010	<0.001	<0.0050	0.003
mg/L	Magnesium	32.5	23.8	19	29
mg/L	Manganese	0.0246	<0.01	0.0146	0.01
mg/L	Mercury	<0.000050	<0.0001	<0.000050	
mg/L	Molybdenum	0.00139	<0.001	0.0014	<0.002
mg/L	Nickel	0.0025	0.0006	0.00254	0.0023
mg/L	Phosphorus	<0.30	0.08	<0.30	
mg/L	Potassium	<2.0	<0.8	<2.0	<0.8
mg/L	Selenium	0.0022	0.0005	0.0019	0.002
mg/L	Silicon	3.58	3.26	3.13	3.34
mg/L	Silver	<0.000020	<0.0001	<0.000010	<0.0002
mg/L	Sodium	<2.0	1	<2.0	2
mg/L	Strontium	0.388	0.06	0.208	0.31
mg/L	Sulphur	63	37.3	27.9	48.8
mg/L	Thallium	<0.00020	<0.00005	<0.00010	<0.0001
mg/L	Tin	<0.00020	<0.001	<0.00010	<0.002
mg/L	Titanium	<0.010	0.0007	<0.010	0.0038
mg/L	Uranium	0.00285	<0.0005	0.00114	0.0023
mg/L	Vanadium	<0.0020	0.0002	0.0019	0.0009
mg/L	Zinc	0.0134	0.003	0.0112	0.01

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-39	BC-39	BC-39	BC-39	BC-39	BC-39
Units	Date	25-Feb-06	28-Mar-06	27-Apr-06	25-May-06	28-Jun-06	31-Jul-06
m3/sec, m	Water Level or Flow	no flow	no flow	no flow	nm	0.035	no flow
pH units	pH (field)				8.11	6.87	
pH units	pH (lab)				8.03	8.08	
uS/cm	Conductivity (field)				240	277	
uS/cm	Conductivity (lab)				279	300	
°C	Temperature (field)				0.4	6.1	
mg CaCO ₃ /L	Hardness				148	161	
mg CaCO ₃ /L	Alkalinity				88.9	83.9	
mg/L	Total Dissolved Solids				193	207	
mg/L	Total Suspended Solids				3.6	15.7	
mg/L	Chloride				0.95	1	
mg/L	Sulfate				58	60.6	
mg /L	Ammonia				0.027	0.021	
mg /L	Nitrate				0.342	0.644	
mg/L	Total Cyanide				<0.0050	0.0123	
mg/L	WAD Cyanide				<0.0050	<0.0050	
Total Metals					TM	TM	
mg/L	Aluminum				0.246	0.573	
mg/L	Antimony				0.00372	0.00407	
mg/L	Arsenic				0.0053	0.00567	
mg/L	Barium				0.0698	0.08	
mg/L	Beryllium				<0.00050	<0.00050	
mg/L	Bismuth				<0.00050	<0.00050	
mg/L	Boron				<0.010	<0.010	
mg/L	Cadmium				0.000063	0.000056	
mg/L	Calcium				36.2	39.4	
mg/L	Chromium				0.00054	0.00107	
mg/L	Cobalt				0.00061	0.00184	
mg/L	Copper				0.0019	0.00328	
mg/L	Iron				0.403	1.04	
mg/L	Lead				0.000239	0.000582	
mg/L	Lithium				0.0065	0.0071	
mg/L	Magnesium				14.1	15.2	
mg/L	Manganese				0.0239	0.0312	
mg/L	Mercury				<0.000050	<0.000050	
mg/L	Molybdenum				0.00191	0.00224	
mg/L	Nickel				0.0023	0.00302	
mg/L	Phosphorus				<0.30	<0.30	
mg/L	Potassium				<2.0	<2.0	
mg/L	Selenium				<0.0010	0.0017	
mg/L	Silicon				3.81	5.18	
mg/L	Silver				0.000013	0.000017	
mg/L	Sodium				2.3	3.4	
mg/L	Strontium				0.164	0.191	
mg/L	Sulphur				19	22.1	
mg/L	Thallium				<0.00010	<0.00010	
mg/L	Tin				<0.00010	<0.00010	
mg/L	Titanium				<0.010	0.019	
mg/L	Uranium				0.0015	0.0014	
mg/L	Vanadium				0.0024	0.0036	
mg/L	Zinc				0.0028	0.0092	

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-39	BC39	BC39	BC39	BC39
Units	Date	29-Aug-06	18-Sep-06	23-Oct-06	30-Nov-06	19-Dec-06
m3/sec, m	Water Level or Flow	0.017	0.07	frozen, nm	no flow	no flow
pH units	pH (field)	8.29	8.34	8.08		
pH units	pH (lab)	8.23	7.82	7.77		
uS/cm	Conductivity (field)	219	343	320		
uS/cm	Conductivity (lab)	361	414	490		
°C	Temperature (field)	7	3	0.3		
mg CaCO ₃ /L	Hardness	205	223	248		
mg CaCO ₃ /L	Alkalinity	108	124	136		
mg/L	Total Dissolved Solids	255	276	352		
mg/L	Total Suspended Solids	<3.0	4	<2		
mg/L	Chloride	1.13	0.68	0.7		
mg/L	Sulfate	83.8	93	114		
mg /L	Ammonia	<0.020	<0.05	<0.05		
mg /L	Nitrate	0.128	0.08	0.3		
mg/L	Total Cyanide	<0.0050	<0.001	<0.001		
mg/L	WAD Cyanide	<0.0050	<0.002	<0.002		
	Total Metals	TM	TM	TM		
mg/L	Aluminum	0.111	0.029	0.025		
mg/L	Antimony	0.00443	0.0007	0.0032		
mg/L	Arsenic	0.00517	0.0008	0.003		
mg/L	Barium	0.0682	0.018	0.08		
mg/L	Beryllium	<0.00050	<0.0001	<0.0001		
mg/L	Bismuth	<0.00050	<0.0005	<0.0005		
mg/L	Boron	0.028	0.002	0.009		
mg/L	Cadmium	<0.000050	<0.00001	0.00003		
mg/L	Calcium	50.4	54.2	61.5		
mg/L	Chromium	<0.00050	<0.0005	<0.0005		
mg/L	Cobalt	0.00119	0.0001	0.0008		
mg/L	Copper	0.00177	<0.001	0.001		
mg/L	Iron	0.238	0.2	<0.1		
mg/L	Lead	0.000111	<0.0001	<0.0001		
mg/L	Lithium	0.0086	0.002	0.014		
mg/L	Magnesium	19.1	21.2	23		
mg/L	Manganese	0.011	0.01	0.007		
mg/L	Mercury	<0.000050	<0.0001	<0.0001		
mg/L	Molybdenum	0.00255	<0.001	0.003		
mg/L	Nickel	0.00227	0.0006	0.0019		
mg/L	Phosphorus	<0.30	0.07	<0.05		
mg/L	Potassium	<2.0	1	1.4		
mg/L	Selenium	0.0014	0.0004	0.0016		
mg/L	Silicon	5.42	4.69	4.51		
mg/L	Silver	<0.000010	<0.0001	<0.0001		
mg/L	Sodium	3.7	3.5	4.3		
mg/L	Strontium	0.236	0.062	0.288		
mg/L	Sulphur	30.5	31.3	36.4		
mg/L	Thallium	<0.00010	<0.00005	<0.00005		
mg/L	Tin	<0.00010	<0.001	<0.001		
mg/L	Titanium	<0.010	0.0014	0.0032		
mg/L	Uranium	0.00175	<0.0005	0.0024		
mg/L	Vanadium	0.0016	0.0003	0.0008		
mg/L	Zinc	0.0023	0.002	0.003		

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BC-53	BC-53	BC53	BC53	BC53	BC53
Units	Date	31-Jul-06	29-Aug-06	18-Sep-06	23-Oct-06	27-Nov-06	19-Dec-06
m ³ /sec, m	Water Level or Flow	nm	0.148	0.135	frozen, nm	frozen , nm	frozen , nm
pH units	pH (field)	8.28	8.21	8.24	8.25		
pH units	pH (lab)	8.22	8.20	7.80	7.99		
uS/cm	Conductivity (field)	504	311	334	322		
uS/cm	Conductivity (lab)	463	377	411	464		
°C	Temperature (field)	5.6	3.4	2	0.3		
mg CaCO ₃ /L	Hardness	257	208	218	236		
mg CaCO ₃ /L	Alkalinity	142	116	122	130		
mg/L	Total Dissolved Solids	308	245	304	276		
mg/L	Total Suspended Solids	20.8	44.7	12	14		
mg/L	Chloride	0.95	0.94	0.57	0.7		
mg/L	Sulfate	117	86.4	89	105		
mg /L	Ammonia	<0.020	<0.020	<0.05	<0.05		
mg /L	Nitrate	0.348	0.3	0.31	0.41		
mg/L	Total Cyanide	<0.0050	<0.0050	0.001	<0.001		
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.002	<0.002		
	Total Metals	DM	TM	TM	TM		
mg/L	Aluminum	0.519	1.01	0.083	0.396		
mg/L	Antimony	0.00357	0.00352	0.0007	0.0031		
mg/L	Arsenic	0.00721	0.0073	0.0012	0.0053		
mg/L	Barium	0.0888	0.106	0.018	0.079		
mg/L	Beryllium	<0.0010	<0.00050	<0.0001	<0.0001		
mg/L	Bismuth	<0.0010	<0.00050	<0.0005	<0.0005		
mg/L	Boron	<0.020	<0.010	0.002	0.009		
mg/L	Cadmium	<0.00010	0.0001	<0.00001	0.00004		
mg/L	Calcium	62.1	51.3	53.1	58.2		
mg/L	Chromium	0.0013	0.00215	<0.0005	0.001		
mg/L	Cobalt	0.00137	0.00159	0.0002	0.0009		
mg/L	Copper	0.00212	0.00398	<0.001	0.002		
mg/L	Iron	0.958	1.39	0.5	0.5		
mg/L	Lead	0.00053	0.000829	<0.0001	0.0002		
mg/L	Lithium	0.011	0.0105	0.003	0.014		
mg/L	Magnesium	24.8	19.5	20.7	21.9		
mg/L	Manganese	0.0686	0.102	0.066	0.044		
mg/L	Mercury	<0.000050	<0.000050	<0.0001	<0.0001		
mg/L	Molybdenum	0.00331	0.00286	<0.001	0.003		
mg/L	Nickel	0.0031	0.00622	0.0008	0.0026		
mg/L	Phosphorus	<0.30	<0.30	0.08	<0.05		
mg/L	Potassium	<2.0	<2.0	0.8	1.2		
mg/L	Selenium	0.002	0.0019	0.0005	0.0018		
mg/L	Silicon	5.95	7.27	5.81	5.48		
mg/L	Silver	<0.000020	0.000021	<0.0001	<0.0001		
mg/L	Sodium	4.2	3.5	3.4	4.1		
mg/L	Strontium	0.311	0.271	0.061	0.269		
mg/L	Sulphur	38.4	30.4	30.5	33.9		
mg/L	Thallium	<0.00020	<0.00010	<0.00005	<0.00005		
mg/L	Tin	<0.00020	<0.00010	<0.001	<0.001		
mg/L	Titanium	0.019	0.034	0.0126	0.019		
mg/L	Uranium	0.0022	0.00201	<0.0005	0.0023		
mg/L	Vanadium	0.0038	0.0052	0.0006	0.0026		
mg/L	Zinc	<0.0060	0.0096	0.001	0.005		

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	BTC	BTC	BTC	BTC
Units	Date	25-May-06	23-Jun-05	7-Aug-06	29-Aug-06
m3/sec, m	Water Level or Flow				
pH units	pH (field)	7.45	7.04		
pH units	pH (lab)	7.94	8.22	8.11	8.18
uS/cm	Conductivity (field)	633	1354		
uS/cm	Conductivity (lab)	654	1660	1870	1950
°C	Temperature (field)	10.7	16.2		
mg CaCO ₃ /L	Hardness	162	419	452	481
mg CaCO ₃ /L	Alkalinity	59.8	166	156	169
mg/L	Total Dissolved Solids	461	1220	1400	1480
mg/L	Total Suspended Solids	<3.0	6.2	<3.0	<3.0
mg/L	Chloride	6.72		20.7	<50
mg/L	Sulfate	84.6		276	264
mg /L	Ammonia	0.107	0.074	0.14	0.15
mg /L	Nitrate	40.9	0.0111	140	139
mg/L	Total Cyanide	0.0934	0.224	0.264	0.193
mg/L	WAD Cyanide	0.0379	0.0921	0.0486	0.0558
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0887	0.0057	0.016	<0.0050
mg/L	Antimony	0.199	0.603	0.711	0.758
mg/L	Arsenic	0.0513	0.125	0.145	0.158
mg/L	Barium	0.0677	0.118	0.112	0.117
mg/L	Beryllium	<0.00050	<0.0025	<0.0025	<0.0025
mg/L	Bismuth	<0.00050	<0.0025	<0.0025	<0.0025
mg/L	Boron	0.028	0.078	0.093	0.089
mg/L	Cadmium	0.000083	<0.00025	<0.00025	<0.00025
mg/L	Calcium	49.3	125	129	142
mg/L	Chromium	<0.00050	<0.0025	<0.0025	<0.0025
mg/L	Cobalt	0.119	0.361	0.441	0.467
mg/L	Copper	0.00084	0.00111	0.00191	0.0015
mg/L	Iron	0.085	<0.030	<0.030	<0.030
mg/L	Lead	0.000146	<0.00025	<0.00025	<0.00025
mg/L	Lithium	<0.0050	<0.025	<0.025	<0.025
mg/L	Magnesium	9.47	25.8	31.4	30.6
mg/L	Manganese	0.147	0.183	0.107	0.253
mg/L	Mercury	<0.000050	<0.000050	<0.000050	<0.000050
mg/L	Molybdenum	0.00744	0.0221	0.0276	0.0284
mg/L	Nickel	0.00285	0.0073	0.0086	0.0099
mg/L	Phosphorus	<0.30	<0.30	<0.30	<0.30
mg/L	Potassium	<2.0	5	6.1	7.8
mg/L	Selenium	0.0059	0.0597	0.0698	0.084
mg/L	Silicon	1.14	2.08	2.05	2.22
mg/L	Silver	0.000021	<0.000050	<0.000050	<0.000050
mg/L	Sodium	69.2	189	235	234
mg/L	Strontium	0.216	0.605	0.7	0.77
mg/L	Sulphur	28	78.5	95.8	103
mg/L	Thallium	<0.00010	<0.00050	<0.00050	<0.00050
mg/L	Tin	<0.00010	<0.00050	<0.00050	<0.00050
mg/L	Titanium	<0.010	<0.010	<0.010	<0.010
mg/L	Uranium	0.00271	0.00839	0.00996	0.0101
mg/L	Vanadium	<0.0010	<0.0050	<0.0050	<0.0050
mg/L	Zinc	0.0025	<0.0050	<0.0050	<0.0050

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Surface Stations

	Station	Blue Tank	Blue Tank	Blue Tank	Blue Tank
Units	Date	24-Jun-05	7-Aug-06	29-Aug-06	19-Sep-06
m3/sec, m	Water Level or Flow				
pH units	pH (field)	6.54			6.67
pH units	pH (lab)		7.68	7.88	6.63
uS/cm	Conductivity (field)	894			619
uS/cm	Conductivity (lab)	1020	970	883	836
°C	Temperature (field)	11.2			7.5
mg CaCO ₃ /L	Hardness	316	574	432	472
mg CaCO ₃ /L	Alkalinity	265	408	373	375
mg/L	Total Dissolved Solids	335	671	500	586
mg/L	Total Suspended Solids	32.9	<3.0	3.7	7
mg/L	Chloride		15.6	12.1	10.3
mg/L	Sulfate		118	116	88
mg /L	Ammonia	0.047	0.029	<0.020	<0.05
mg /L	Nitrate	7.77	1.57	0.672	1.18
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Dissolved Metals	DM	DM	DM	DM
mg/L	Aluminum	0.0023	0.0045	0.0056	<0.005
mg/L	Antimony	0.0648	0.0719	0.0709	0.0138
mg/L	Arsenic	0.091	0.101	0.0782	0.0138
mg/L	Barium	0.15	0.153	0.132	0.033
mg/L	Beryllium	<0.0010	<0.0010	<0.0010	<0.0001
mg/L	Bismuth	<0.0010	<0.0010	<0.0010	<0.0005
mg/L	Boron	<0.020	0.022	0.022	0.006
mg/L	Cadmium	0.00045	0.0004	0.00056	0.00006
mg/L	Calcium	178	173	133	150
mg/L	Chromium	0.0017	0.0012	<0.0010	<0.0005
mg/L	Cobalt	<0.00020	0.00022	0.00022	<0.0001
mg/L	Copper	0.00091	0.00084	0.00169	<0.001
mg/L	Iron	<0.030	<0.030	<0.030	<0.2
mg/L	Lead	<0.00010	<0.00010	<0.00010	<0.0001
mg/L	Lithium	<0.010	<0.010	<0.010	<0.001
mg/L	Magnesium	37.2	34.7	24	23.6
mg/L	Manganese	0.0294	0.0364	0.0569	0.056
mg/L	Mercury	<0.000050	<0.000050	<0.000050	<0.0001
mg/L	Molybdenum	0.00262	0.00269	0.00221	<0.001
mg/L	Nickel	0.0093	0.0063	0.0067	0.002
mg/L	Phosphorus	<0.30	<0.30	<0.30	0.09
mg/L	Potassium	2.1	2.3	2.8	2.4
mg/L	Selenium	0.0119	0.0051	0.0041	0.0009
mg/L	Silicon	5.92	5.76	7.1	6.16
mg/L	Silver	<0.000020	<0.000020	<0.000020	<0.0001
mg/L	Sodium	3.2	3.1	2.7	2.4
mg/L	Strontium	0.836	0.844	0.634	0.152
mg/L	Sulphur	46.3	42.6	31.7	29.8
mg/L	Thallium	<0.00020	<0.00020	<0.00020	<0.00005
mg/L	Tin	<0.00020	<0.00020	<0.00020	<0.001
mg/L	Titanium	<0.010	<0.010	<0.010	<0.0005
mg/L	Uranium	0.00827	0.00707	0.00239	0.0009
mg/L	Vanadium	<0.0020	<0.0020	<0.0020	<0.0001
mg/L	Zinc	0.0248	0.0245	0.0196	0.006

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC28

	Water License Discharge Standards	Station	BC-28
Units		Date	25-May-06
m ³ /sec, m		Water Level or Flow	nm
pH units		pH (field)	7.78
pH units	6.0-9.5	pH (lab)	7.63
uS/cm		Conductivity (field)	119
uS/cm		Conductivity (lab)	265
°C		Temperature (field)	11.4
mg CaCO ₃ /L		Hardness	65.8
mg CaCO ₃ /L		Alkalinity	6.9
mg/L		Total Dissolved Solids	208
mg/L	50	Total Suspended Solids	13.6
mg/L		Chloride	3.72
mg/L		Sulfate	39.3
mg /L	15	Ammonia	<0.020
mg /L		Nitrate	14.9
mg/L	2	Total Cyanide	0.0242
mg/L	0.25	WAD Cyanide	0.0059
Total Metals			TM
mg/L		Aluminum	2.33
mg/L	1.00	Antimony	0.165
mg/L	0.50	Arsenic	0.0582
mg/L		Barium	0.149
mg/L		Beryllium	<0.00050
mg/L	0.50	Bismuth	<0.00050
mg/L		Boron	0.04
mg/L	0.10	Cadmium	0.00013
mg/L		Calcium	20
mg/L	0.50	Chromium	0.00338
mg/L		Cobalt	0.0433
mg/L	0.20	Copper	0.00456
mg/L	1.00	Iron	1.84
mg/L	0.20	Lead	0.00243
mg/L		Lithium	<0.0050
mg/L		Magnesium	3.83
mg/L	2.00	Manganese	0.0942
mg/L	0.005	Mercury	<0.000050
mg/L	0.50	Molybdenum	0.00342
mg/L	0.80	Nickel	0.00369
mg/L		Phosphorus	<0.30
mg/L		Potassium	<2.0
mg/L	0.25	Selenium	0.0034
mg/L		Silicon	3.87
mg/L	0.10	Silver	0.000117
mg/L		Sodium	25.3
mg/L		Strontium	0.0932
mg/L		Sulphur	12.7
mg/L		Thallium	0.00012
mg/L		Tin	0.00014
mg/L		Titanium	0.052
mg/L		Uranium	0.000984
mg/L		Vanadium	0.0091
mg/L	0.50	Zinc	0.0172

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC28a Heap Effluent

Units	Water License Discharge Standards	Station	BC-28a	BC-28a	BC-28a	BC-28a
		Date	30-Jan-06	25-Feb-06	28-Mar-06	27-Apr-06
m ³ /sec, m		Water Level or Flow	0.001	0.00085	0.0009	0.0035
pH units		pH (field)	5.93	meter broke	8.1	7.77
pH units	6.0-9.5	pH (lab)	7.95	7.96	7.85	7.85
uS/cm		Conductivity (field)	2550	2720	420	1076
uS/cm		Conductivity (lab)	3840	3890	1210	1210
°C		Temperature (field)	2.5	1.8	2.8	2.2
mg CaCO ₃ /L		Hardness	982	973	296	296
mg CaCO ₃ /L		Alkalinity	115	114	66.6	66.6
mg/L		Total Dissolved Solids	3170	3200	933	933
mg/L	50	Total Suspended Solids	<3.0	<3.0	13.1	13.1
mg/L		Chloride	35.3	36.5	13.8	13.8
mg/L		Sulfate	514	52	165	165
mg /L	15	Ammonia	0.022	0.0203	0.13	0.13
mg /L		Nitrate	379	375	97.5	97.5
mg/L	2	Total Cyanide	0.959	0.382	0.356	0.356
mg/L	0.25	WAD Cyanide	0.091	0.0945	0.0503	0.0503
Total Metals			TM	TM	TM	TM
mg/L		Aluminum	0.0122	0.12	0.358	0.358
mg/L	1.00	Antimony	1.47	1.49	0.871	0.871
mg/L	0.50	Arsenic	0.401	0.373	0.411	0.411
mg/L		Barium	0.0786	0.0751	0.0629	0.0629
mg/L		Beryllium	<0.0025	<0.0025	<0.0010	<0.0010
mg/L	0.50	Bismuth	<0.0025	<0.0025	<0.0010	<0.0010
mg/L		Boron	<0.050	<0.050	<0.020	<0.020
mg/L	0.10	Cadmium	<0.00025	<0.00025	0.00013	0.00013
mg/L		Calcium	308	306	89.8	89.8
mg/L	0.50	Chromium	<0.0025	<0.0025	<0.0010	<0.0010
mg/L		Cobalt	1.05	1.05	0.244	0.244
mg/L	0.20	Copper	0.00118	0.00094	0.00422	0.00422
mg/L	1.00	Iron	0.238	0.24	0.401	0.401
mg/L	0.20	Lead	<0.00025	0.0005	0.0006	0.0006
mg/L		Lithium	<0.025	<0.025	<0.010	<0.010
mg/L		Magnesium	52.1	50.7	17.4	17.4
mg/L	2.00	Manganese	0.0214	0.0201	0.0323	0.0323
mg/L	0.005	Mercury	0.000055	<0.000050	0.000808	0.000808
mg/L	0.50	Molybdenum	0.0353	0.0328	0.017	0.017
mg/L	0.80	Nickel	0.0085	0.0057	0.0038	0.0038
mg/L		Phosphorus	<0.30	<0.30	<0.30	<0.30
mg/L		Potassium	5.8	5.5	4.7	4.7
mg/L	0.25	Selenium	0.193	0.175	0.0463	0.0463
mg/L		Silicon	3.53	3.53	2.43	2.43
mg/L	0.10	Silver	<0.000050	<0.000050	0.000472	0.000472
mg/L		Sodium	471	476	134	134
mg/L		Strontium	1.5	1.53	0.421	0.421
mg/L		Sulphur	180	183	50.2	50.2
mg/L		Thallium	<0.00050	<0.00050	<0.00020	<0.00020
mg/L		Tin	<0.00050	<0.00050	<0.00020	<0.00020
mg/L		Titanium	<0.010	<0.010	<0.010	<0.010
mg/L		Uranium	0.0195	0.0203	0.00626	0.00626
mg/L		Vanadium	<0.0050	<0.0050	<0.0020	<0.0020
mg/L	0.50	Zinc	0.0067	0.0057	0.0053	0.0053

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC28a Heap Effluent

Units	Water License Discharge Standards	Station	BC-28a	BC-28a	BC-28a	BC-28a
		Date	25-May-06	27-Jun-06	31-Jul-06	29-Aug-06
m ³ /sec, m		Water Level or Flow	0.0022	0.00057	0.00052	0.000857
pH units		pH (field)	7.88	7.35	8.06	8.5
pH units	6.0-9.5	pH (lab)	8.02	7.96	7.91	8.02
uS/cm		Conductivity (field)	1904	3670	3767	1837
uS/cm		Conductivity (lab)	2170	3060	3640	2930
°C		Temperature (field)	4.5	5	5.3	5.1
mg CaCO ₃ /L		Hardness	524	771	928	830
mg CaCO ₃ /L		Alkalinity	105	131	144	149
mg/L		Total Dissolved Solids	1760	2480	3270	2470
mg/L	50	Total Suspended Solids	4.2	3.6	3.2	<3.0
mg/L		Chloride	17.7	28	34.5	<50
mg/L		Sulfate	301	428	489	453
mg /L	15	Ammonia	0.024	0.032	<0.020	<0.020
mg /L		Nitrate	171	0.71	334	257
mg/L	2	Total Cyanide	<0.0050	0.839	0.896	<0.0050
mg/L	0.25	WAD Cyanide	0.12	0.0531	0.0788	0.0859
Total Metals			TM	TM	TM	TM
mg/L		Aluminum	0.485	0.0428	0.0159	0.0163
mg/L	1.00	Antimony	1.42	1.28	1.36	1.24
mg/L	0.50	Arsenic	0.419	0.346	0.329	0.321
mg/L		Barium	0.106	0.0923	0.0846	0.0808
mg/L		Beryllium	<0.0025	<0.0025	<0.0025	<0.0025
mg/L	0.50	Bismuth	<0.0025	<0.0025	<0.0025	<0.0025
mg/L		Boron	<0.050	<0.050	<0.050	<0.050
mg/L	0.10	Cadmium	0.00035	0.00027	0.00032	<0.00025
mg/L		Calcium	164	231	281	252
mg/L	0.50	Chromium	<0.0025	<0.0025	<0.0025	<0.0025
mg/L		Cobalt	0.459	0.671	0.811	0.646
mg/L	0.20	Copper	0.00231	0.00169	0.00211	0.00148
mg/L	1.00	Iron	0.559	0.236	0.256	0.186
mg/L	0.20	Lead	0.00088	<0.00025	0.00053	<0.00025
mg/L		Lithium	<0.025	<0.025	<0.025	<0.025
mg/L		Magnesium	27.6	46.9	54.8	48.5
mg/L	2.00	Manganese	0.0329	0.0377	0.0433	0.0385
mg/L	0.005	Mercury	<0.000050	<0.000050	<0.000050	<0.000050
mg/L	0.50	Molybdenum	0.0387	0.0268	0.0252	0.0246
mg/L	0.80	Nickel	0.0061	0.0094	0.0101	0.0083
mg/L		Phosphorus	<0.30	<0.30	<0.30	<0.30
mg/L		Potassium	3	3.8	4.4	5.1
mg/L	0.25	Selenium	0.0304	0.134	0.16	0.13
mg/L		Silicon	3.63	3.51	3.79	4.46
mg/L	0.10	Silver	<0.000050	<0.000050	<0.000050	<0.000050
mg/L		Sodium	259	337	471	340
mg/L		Strontium	0.773	1.21	1.31	1.21
mg/L		Sulphur	115	150	176	170
mg/L		Thallium	<0.00050	<0.00050	<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	0.0116	0.0184	0.0184	0.02
mg/L		Vanadium	<0.0050	<0.0050	<0.0050	<0.0050
mg/L	0.50	Zinc	0.0138	0.0092	0.0109	0.0105

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
BC28a Heap Effluent

	Water License Discharge Standards	Station	BC28a	BC28a	BC28a	BC28a
Units		Date	18-Sep-06	23-Oct-06	27-Nov-06	19-Dec-06
m ³ /sec, m		Water Level or Flow	0.00063	0.0013	0.0006	0.0005
pH units		pH (field)	7.56	7.8	nm	7.76
pH units	6.0-9.5	pH (lab)	8.09	7.8	8.02	7.97
uS/cm		Conductivity (field)	3560	3470	nm	4280
uS/cm		Conductivity (lab)	502	3000	4000	4000
°C		Temperature (field)	5.6	4.5	nm	3.2
mg CaCO ₃ /L		Hardness	954	948	958	999
mg CaCO ₃ /L		Alkalinity	145	132	121	115
mg/L		Total Dissolved Solids	3160	2830	3270	3340
mg/L	50	Total Suspended Solids	<2	<2	<2	<2
mg/L		Chloride	28.6	0.82	32.9	34
mg/L		Sulfate	520	670	540	540
mg /L	15	Ammonia	<0.05	<0.05	<0.05	0.014
mg /L		Nitrate	287	229	355	360
mg/L	2	Total Cyanide	1.2	0.84	1.6	1.2
mg/L	0.25	WAD Cyanide	0.12	0.11	0.074	0.09
Total Metals			TM	TM	TM	TM
mg/L		Aluminum	<0.005	0.027	0.014	0.02
mg/L	1.00	Antimony	0.364	1.29	1.51	1.55
mg/L	0.50	Arsenic	0.0838	0.31	0.35	0.339
mg/L		Barium	0.021	0.064	0.073	0.073
mg/L		Beryllium	<0.0001	<0.0001	<0.0001	<0.0002
mg/L	0.50	Bismuth	<0.0005	<0.0005	<0.0005	<0.001
mg/L		Boron	0.003	0.011	0.013	0.01
mg/L	0.10	Cadmium	<0.00001	0.00014	<0.00001	<0.00002
mg/L		Calcium	287	278	288	308
mg/L	0.50	Chromium	<0.0005	<0.0005	<0.0005	<0.001
mg/L		Cobalt	0.193	0.597	0.882	0.927
mg/L	0.20	Copper	<0.001	0.003	0.004	0.009
mg/L	1.00	Iron	0.2	0.2	0.3	0.3
mg/L	0.20	Lead	<0.0001	<0.0001	0.0003	0.0004
mg/L		Lithium	0.001	0.006	0.005	0.005
mg/L		Magnesium	57.4	62	57.6	56
mg/L	2.00	Manganese	0.042	0.364	0.021	0.02
mg/L	0.005	Mercury	0.0001	<0.0001	<0.0001	
mg/L	0.50	Molybdenum	0.007	0.031	0.033	0.03
mg/L	0.80	Nickel	0.0031	0.0192	0.0093	0.0093
mg/L		Phosphorus	0.13	0.06	0.1	
mg/L		Potassium	4.7	4.4	5.4	5
mg/L	0.25	Selenium	0.0384	0.149	0.182	0.181
mg/L		Silicon	4.07	3.98	3.61	3.56
mg/L	0.10	Silver	<0.0001	<0.0001	<0.0001	<0.0002
mg/L		Sodium	397	349	423	441
mg/L		Strontium	0.336	1.47	1.52	1.52
mg/L		Sulphur	181	219	186	193
mg/L		Thallium	0.00008	0.00032	0.0003	0.0003
mg/L		Tin	<0.001	<0.001	<0.001	<0.002
mg/L		Titanium	0.0022	0.0148	0.0086	0.01
mg/L		Uranium	0.0057	0.0246	0.022	0.0211
mg/L		Vanadium	0.0001	0.0004	0.0003	0.0004
mg/L	0.50	Zinc	0.003	0.014	0.005	0.008

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

	Station	BC-10	BC-10	BC10	BC10
Units	Date	30-Mar-06	27-Jun-06	19-Sep-06	20-Dec-06
m3/sec, m	Water Level or Flow	-1.04	-0.03	-1	-1.5
pH units	pH (field)	7.66	8.45	8.4	7.83
pH units	pH (lab)	8.10	8.20	8.09	7.87
uS/cm	Conductivity (field)	359	270	305	385
uS/cm	Conductivity (lab)	471	308	395	317
°C	Temperature (field)	-0.7	13.7	6.8	0.7
mg CaCO ₃ /L	Hardness	264	163	210	261
mg CaCO ₃ /L	Alkalinity	150	89.5	124	150
mg/L	Total Dissolved Solids	292	196	350	316
mg/L	Total Suspended Solids	<3.0	<3.0	2	<2
mg/L	Chloride	0.51	<0.50	0.64	0.6
mg/L	Sulfate	104	67.3	86	101
mg /L	Ammonia	0.057	0.021	<0.05	0.068
mg /L	Nitrate	0.325	<0.0050	0.06	0.2
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0022	0.0602	0.039	0.02
mg/L	Antimony	0.136	0.118	0.041	0.176
mg/L	Arsenic	0.00977	0.00759	0.0031	0.013
mg/L	Barium	0.1	0.178	0.038	0.14
mg/L	Beryllium	<0.0010	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.020	<0.010	<0.002	0.005
mg/L	Cadmium	0.00011	<0.000050	<0.00001	<0.00002
mg/L	Calcium	61.5	39.4	50.7	63.9
mg/L	Chromium	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Cobalt	<0.00020	<0.00010	<0.0001	<0.0002
mg/L	Copper	0.00036	0.0004	<0.001	<0.002
mg/L	Iron	<0.030	0.032	<0.2	<0.2
mg/L	Lead	<0.00010	0.000118	<0.0001	<0.0002
mg/L	Lithium	<0.010	<0.0050	<0.001	0.003
mg/L	Magnesium	26.9	15.8	20.3	24.5
mg/L	Manganese	0.00044	0.0042	0.032	<0.01
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.00376	0.00317	0.001	0.004
mg/L	Nickel	<0.0010	0.00076	<0.0005	<0.001
mg/L	Phosphorus	<0.30	<0.30	<0.02	
mg/L	Potassium	<2.0	<2.0	1.2	1
mg/L	Selenium	0.0054	0.0046	0.0012	0.0054
mg/L	Silicon	2.81	1.97	2.76	2.7
mg/L	Silver	<0.000020	<0.000010	<0.0001	<0.0002
mg/L	Sodium	<2.0	<2.0	0.8	1
mg/L	Strontium	0.547	0.314	0.106	0.542
mg/L	Sulphur	38.2	23.8	28	34.9
mg/L	Thallium	<0.00020	<0.00010	<0.00005	0.0001
mg/L	Tin	<0.00020	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.0008	0.0023
mg/L	Uranium	0.00645	0.00468	0.0018	0.008
mg/L	Vanadium	<0.0020	<0.0010	0.0003	<0.0002
mg/L	Zinc	0.0037	0.0011	<0.001	0.002

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

	Station	BC-12	BC-12	BC12	BC12
Units	Date	11-May-06	27-Jun-06	19-Sep-06	20-Dec-06
m3/sec, m	Water Level or Flow	-4.4	-3.65	-3.56	-4
pH units	pH (field)	7.23	4.03	7.14	6.66
pH units	pH (lab)	4.78	4.27	6.72	5.40
uS/cm	Conductivity (field)	245	969	611	967
uS/cm	Conductivity (lab)		1110	827	1200
°C	Temperature (field)	8.5	15.9	6.8	1.3
mg CaCO ₃ /L	Hardness	128	604	460	754
mg CaCO ₃ /L	Alkalinity	<2.0	<2.0	13	10
mg/L	Total Dissolved Solids	318	772	692	1130
mg/L	Total Suspended Solids	27.5	35.6	8	<2
mg/L	Chloride	1.58	4.83	4.29	1.5
mg/L	Sulfate	91.3	543	2130	650
mg /L	Ammonia	0.0404	0.444	<0.05	0.016
mg /L	Nitrate	0.406	0.624	<0.03	0.1
mg/L	Total Cyanide		-	-	-
mg/L	WAD Cyanide		-	-	-
	Total Metals		TM	TM	TM
mg/L	Aluminum	5.8	3.37	0.084	1.21
mg/L	Antimony	0.0756	0.0296	0.0077	0.0075
mg/L	Arsenic	0.195	0.0623	0.005	0.104
mg/L	Barium	0.5	0.152	0.025	0.033
mg/L	Beryllium	<0.00050	0.0049	0.0003	0.003
mg/L	Bismuth	<0.00050	<0.0010	<0.0005	<0.001
mg/L	Boron	0.017	<0.020	0.006	0.022
mg/L	Cadmium	0.00137	0.00649	0.00092	0.00348
mg/L	Calcium	31.6	149	113	186
mg/L	Chromium	0.0122	0.0016	<0.0005	<0.001
mg/L	Cobalt	0.00687	0.0641	0.0102	0.059
mg/L	Copper	0.0214	0.13	0.004	0.047
mg/L	Iron	7.21	4.81	0.5	0.5
mg/L	Lead	0.00866	0.00107	0.0001	<0.0002
mg/L	Lithium	<0.0050	<0.010	0.002	0.007
mg/L	Magnesium	12	56.2	43.1	69.9
mg/L	Manganese	0.374	2.23	1.72	2.21
mg/L	Mercury	0.00238	0.000075	<0.0001	
mg/L	Molybdenum	0.00426	0.00065	<0.001	<0.002
mg/L	Nickel	0.0324	0.182	0.0266	0.158
mg/L	Phosphorus	<0.30	0.47	0.09	
mg/L	Potassium	3.4	3.2	3.8	3.4
mg/L	Selenium	0.0031	0.0019	0.0004	0.0005
mg/L	Silicon	12.1	6.22	4.69	4.54
mg/L	Silver	0.000845	0.000067	<0.0001	<0.0002
mg/L	Sodium	<2.0	<2.0	1	2
mg/L	Strontium	0.222	0.93	0.154	1.02
mg/L	Sulphur	33	201	139	235
mg/L	Thallium	0.00065	0.00021	<0.00005	0.00021
mg/L	Tin	0.00013	<0.00020	<0.001	<0.002
mg/L	Titanium	0.149	0.029	0.0068	0.013
mg/L	Uranium	0.00106	0.00376	<0.0005	0.002
mg/L	Vanadium	0.0569	0.005	0.0002	<0.0002
mg/L	Zinc	0.0971	0.394	0.054	0.325

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

	Station	BC-15	BC-15	BC15	BC15
Units	Date	29-Mar-06	27-Jun-06	19-Sep-06	19-Dec-06
m3/sec, m	Water Level or Flow	-1.15	-0.015	-0.018	-0.5
pH units	pH (field)	7.33	7.96	8.03	7.21
pH units	pH (lab)	7.90	7.94	7.97	7.56
uS/cm	Conductivity (field)	946	576	648	818
uS/cm	Conductivity (lab)	1130	656	886	993
°C	Temperature (field)	-1.2	12.4	5.6	0.4
mg CaCO ₃ /L	Hardness	699	371	501	626
mg CaCO ₃ /L	Alkalinity	124	82.8	94	100
mg/L	Total Dissolved Solids	904	495	750	856
mg/L	Total Suspended Solids	<0.50	<3.0	<2	<2
mg/L	Chloride	<3.0	<0.50	0.3	0.3
mg/L	Sulfate	511	261	1940	430
mg /L	Ammonia	0.026	<0.020	<0.05	0.006
mg /L	Nitrate	4.39	1.8	1.61	2
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0347	0.0227	0.005	0.01
mg/L	Antimony	0.00277	0.00393	0.0008	0.0024
mg/L	Arsenic	0.0156	0.0362	0.0063	0.014
mg/L	Barium	0.0408	0.0525	0.009	0.031
mg/L	Beryllium	<0.0025	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0025	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.050	<0.010	0.002	0.007
mg/L	Cadmium	0.00251	<0.000050	0.00003	0.00003
mg/L	Calcium	155	80	107	137
mg/L	Chromium	<0.0025	<0.00050	<0.0005	<0.001
mg/L	Cobalt	<0.00050	<0.00010	<0.0001	<0.0002
mg/L	Copper	0.00143	0.00035	<0.001	<0.002
mg/L	Iron	0.04	<0.030	<0.2	<0.2
mg/L	Lead	0.0004	0.000092	0.0022	0.0002
mg/L	Lithium	<0.025	<0.0050	<0.001	<0.002
mg/L	Magnesium	75.6	41.5	56.7	68.7
mg/L	Manganese	0.00757	0.00334	0.02	<0.01
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.00063	0.000626	<0.001	<0.002
mg/L	Nickel	<0.0025	0.00073	<0.0005	0.001
mg/L	Phosphorus	<0.30	<0.30	0.07	
mg/L	Potassium	<2.0	<2.0	1.2	<0.8
mg/L	Selenium	0.0502	0.0271	0.0068	0.0357
mg/L	Silicon	1.39	0.678	0.68	0.88
mg/L	Silver	<0.000050	<0.000010	<0.0001	<0.0002
mg/L	Sodium	<2.0	<2.0	<0.8	1
mg/L	Strontium	1.36	0.691	0.231	1.11
mg/L	Sulphur	189	88.6	125	160
mg/L	Thallium	<0.00050	<0.00010	<0.00005	<0.0001
mg/L	Tin	0.00118	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.0016	0.0091
mg/L	Uranium	0.00222	0.0012	0.0005	0.0022
mg/L	Vanadium	<0.0050	<0.0010	<0.0001	<0.0002
mg/L	Zinc	0.0153	0.0039	0.003	0.009

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

	Station	BC-17	BC-17	BC17	BC17
Units	Date	30-Mar-06	27-Jun-06	19-Sep-06	20-Dec-06
m3/sec, m	Water Level or Flow	-1.05	-0.058	-1.5	-0.5
pH units	pH (field)	8.05	8.44	8.27	7.76
pH units	pH (lab)	8.18	8.24	8.05	7.86
uS/cm	Conductivity (field)	601	530	535	648
uS/cm	Conductivity (lab)	722	602	699	795
°C	Temperature (field)	-1	13.3	6.2	0.7
mg CaCO ₃ /L	Hardness	428	343	410	485
mg CaCO ₃ /L	Alkalinity	201	141	181	218
mg/L	Total Dissolved Solids	500	422	592	624
mg/L	Total Suspended Solids	<3.0	4.2	5	<2
mg/L	Chloride	0.69	<0.50	0.8	0.9
mg/L	Sulfate	208	181	223	280
mg /L	Ammonia	0.041	<0.020	<0.05	0.004
mg /L	Nitrate	0.12	0.11	0.06	0.2
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	0.0404	0.0174	0.009	0.01
mg/L	Antimony	0.0473	0.0617	0.0135	0.0378
mg/L	Arsenic	0.0258	0.023	0.008	0.02
mg/L	Barium	0.0331	0.0465	0.012	0.034
mg/L	Beryllium	<0.0010	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.020	<0.010	<0.002	0.007
mg/L	Cadmium	0.00027	<0.000050	<0.00001	<0.00002
mg/L	Calcium	106	82.1	99.8	118
mg/L	Chromium	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Cobalt	<0.00020	<0.00010	<0.0001	<0.0002
mg/L	Copper	0.0015	0.00035	<0.001	<0.002
mg/L	Iron	<0.030	<0.030	<0.2	<0.2
mg/L	Lead	0.00027	0.000147	<0.0001	0.0003
mg/L	Lithium	0.01	0.0076	0.002	0.01
mg/L	Magnesium	39.8	33.5	39	46
mg/L	Manganese	0.0175	0.0167	0.025	0.04
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.00864	0.00612	0.002	0.008
mg/L	Nickel	<0.0010	0.00079	<0.0005	0.001
mg/L	Phosphorus	<0.30	<0.30	0.08	
mg/L	Potassium	<2.0	<2.0	1.4	1
mg/L	Selenium	0.0024	0.0027	0.0007	0.0025
mg/L	Silicon	4.03	2.08	3.65	3.94
mg/L	Silver	<0.000020	<0.000010	<0.0001	<0.0002
mg/L	Sodium	<2.0	<2.0	1	2.4
mg/L	Strontium	0.852	0.573	0.173	0.862
mg/L	Sulphur	70.7	63.2	72	87.5
mg/L	Thallium	<0.00020	0.00012	<0.00005	0.0001
mg/L	Tin	0.00059	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.001	0.005
mg/L	Uranium	0.0126	0.00842	0.003	0.014
mg/L	Vanadium	<0.0020	<0.0010	<0.0001	<0.0002
mg/L	Zinc	0.0143	0.003	0.002	0.008

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

	Station	BC-18	BC-18	BC18	BC18
Units	Date	29-Mar-06	27-Jun-06	19-Sep-06	20-Dec-06
m ³ /sec, m	Water Level or Flow	no water	nm	no water	-0.5
pH units	pH (field)		7		7.94
pH units	pH (lab)		7.70		7.46
uS/cm	Conductivity (field)		1645		1201
uS/cm	Conductivity (lab)		1810		2800
°C	Temperature (field)		2.6		0.4
mg CaCO ₃ /L	Hardness		1130		2260
mg CaCO ₃ /L	Alkalinity		382		441
mg/L	Total Dissolved Solids		1270		3100
mg/L	Total Suspended Solids		3.2		162
mg/L	Chloride		0.65		1
mg/L	Sulfate		744		1690
mg /L	Ammonia		0.207		0.04
mg /L	Nitrate		0.449		0.2
mg/L	Total Cyanide		-		-
mg/L	WAD Cyanide		-		-
	Total Metals		TM		TM
mg/L	Aluminum		0.0197		0.028
mg/L	Antimony		0.0158		0.007
mg/L	Arsenic		0.00839		0.0065
mg/L	Barium		0.0152		0.039
mg/L	Beryllium		<0.0025		<0.0002
mg/L	Bismuth		<0.0025		<0.001
mg/L	Boron		<0.050		0.02
mg/L	Cadmium		0.00038		0.00013
mg/L	Calcium		299		732
mg/L	Chromium		<0.0025		<0.001
mg/L	Cobalt		<0.00050		0.002
mg/L	Copper		0.00109		<0.002
mg/L	Iron		0.054		<0.2
mg/L	Lead		0.00068		0.0003
mg/L	Lithium		<0.025		0.02
mg/L	Magnesium		93.9		104
mg/L	Manganese		0.645		1.18
mg/L	Mercury		<0.000050		
mg/L	Molybdenum		<0.00025		<0.002
mg/L	Nickel		<0.0025		0.011
mg/L	Phosphorus		<0.30		
mg/L	Potassium		4.5		4.9
mg/L	Selenium		0.0014		0.001
mg/L	Silicon		2.86		4.71
mg/L	Silver		<0.000050		<0.0002
mg/L	Sodium		<2.0		2
mg/L	Strontium		2.12		2.54
mg/L	Sulphur		258		580
mg/L	Thallium		0.00186		0.0001
mg/L	Tin		<0.00050		<0.002
mg/L	Titanium		<0.010		0.0308
mg/L	Uranium		0.011		0.0512
mg/L	Vanadium		<0.0050		0.0002
mg/L	Zinc		0.0248		0.01

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
InPit Stations

	Station	BC-51	BC-51	BC51	BC51
Units	Date	29-Mar-06	28-Jun-06	19-Sep-06	19-Dec-06
m3/sec, m	Water Level or Flow	-6.3	-3.5	-4.8	-5
pH units	pH (field)	4.12	3.45	3.31	7.18
pH units	pH (lab)	3.38	4.14	3.54	3.22
uS/cm	Conductivity (field)	1095	430	660	225
uS/cm	Conductivity (lab)	1320	473	841	981
°C	Temperature (field)	-1.3	13.6	6.1	0.4
mg CaCO ₃ /L	Hardness	554	169	310	414
mg CaCO ₃ /L	Alkalinity	<2.0	<2.0	<5	<5
mg/L	Total Dissolved Solids	1020	311	654	766
mg/L	Total Suspended Solids	4.3	8.7	11	<2
mg/L	Chloride	<2.5	1.23	2.71	2.7
mg/L	Sulfate	692	199	2040	440
mg /L	Ammonia	0.114	<0.020	<0.05	0.094
mg /L	Nitrate	0.821	0.222	0.15	0.3
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Total Metals	TM	TM	TM	TM
mg/L	Aluminum	12.3	4.03	1.91	8.78
mg/L	Antimony	0.00632	0.00657	0.0012	0.0034
mg/L	Arsenic	0.0237	0.023	0.0036	0.0096
mg/L	Barium	0.107	0.158	0.034	0.11
mg/L	Beryllium	0.0359	0.01	0.0051	0.0236
mg/L	Bismuth	<0.0025	<0.00050	<0.0005	0.002
mg/L	Boron	<0.050	<0.010	0.003	0.01
mg/L	Cadmium	0.0135	0.00425	0.00167	0.0083
mg/L	Calcium	137	40.1	70.4	95.3
mg/L	Chromium	0.0056	0.00198	0.001	0.004
mg/L	Cobalt	0.18	0.0452	0.0217	0.109
mg/L	Copper	1.18	0.324	0.164	0.817
mg/L	Iron	6.62	2.67	6.8	7.8
mg/L	Lead	0.0004	0.000473	0.0002	0.0004
mg/L	Lithium	0.027	0.0061	0.004	0.02
mg/L	Magnesium	51.3	16.7	32.5	42.8
mg/L	Manganese	8.46	1.85	4.06	5.48
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	<0.00025	0.000099	<0.001	<0.002
mg/L	Nickel	0.455	0.118	0.0546	0.279
mg/L	Phosphorus	<0.30	<0.30	0.1	
mg/L	Potassium	3.8	<2.0	1.7	2
mg/L	Selenium	0.01	0.003	0.0012	0.0056
mg/L	Silicon	14.8	5.31	10	11.9
mg/L	Silver	<0.000050	0.000047	<0.0001	<0.0002
mg/L	Sodium	<2.0	<2.0	1	1
mg/L	Strontium	0.972	0.237	0.101	0.557
mg/L	Sulphur	254	65.1	122	162
mg/L	Thallium	<0.00050	<0.00010	<0.00005	0.0001
mg/L	Tin	0.00168	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.0061	0.0084
mg/L	Uranium	0.0138	0.00416	0.0022	0.01
mg/L	Vanadium	<0.0050	0.0013	0.0003	<0.0002
mg/L	Zinc	1.36	0.34	0.156	0.806

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

	Station	BC-19	BC-19	BC19	BC19
Units	Date	29-Mar-06	28-Jun-06	18-Sep-06	19-Dec-06
m3/sec, m	Water Level or Flow	44.06	41	43.83	43.45
pH units	pH (field)	7.32	6.24	6.8	7.34
pH units	pH (lab)	7.53	7.54	6.66	7.14
uS/cm	Conductivity (field)	550	623	512	775
uS/cm	Conductivity (lab)	671	665	668	657
°C	Temperature (field)	-0.6	2.2	2.6	0.6
mg CaCO ₃ /L	Hardness	345	376	356	371
mg CaCO ₃ /L	Alkalinity	230	220	228	227
mg/L	Total Dissolved Solids	433	446	468	470
mg/L	Total Suspended Solids	22.8	15.2	49	16
mg/L	Chloride	0.59	0.69	0.8	0.8
mg/L	Sulfate	146	145	148	152
mg /L	Ammonia	0.026	0.17	<0.05	0.049
mg /L	Nitrate	0.165	0.186	0.18	0.2
mg/L	Total Cyanide	<0.0050	<0.0050	<0.001	0.001
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.002	<0.002
	Dissolved Metals	DM	DM	DM	TM
mg/L	Aluminum	0.0048	0.0023	0.02	0.232
mg/L	Antimony	0.00076	0.00055	0.0006	0.001
mg/L	Arsenic	0.00097	0.00076	0.0014	0.0023
mg/L	Barium	0.00875	0.0071	0.016	0.054
mg/L	Beryllium	<0.0010	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Boron	0.022	0.02	0.017	0.024
mg/L	Cadmium	0.00058	0.000346	0.0003	0.00029
mg/L	Calcium	78.5	83.1	80.2	85
mg/L	Chromium	<0.0010	<0.00050	0.0008	0.001
mg/L	Cobalt	<0.00020	<0.00010	0.0001	<0.0002
mg/L	Copper	0.0108	0.0035	0.003	0.007
mg/L	Iron	<0.030	<0.030	0.15	0.5
mg/L	Lead	0.00015	0.000073	0.0007	0.002
mg/L	Lithium	0.036	0.0296	0.024	0.034
mg/L	Magnesium	36.2	40.8	38	38.6
mg/L	Manganese	0.0134	0.0132	0.021	0.02
mg/L	Mercury	<0.000050	<0.000050	0.0001	
mg/L	Molybdenum	0.00021	<0.000050	<0.001	<0.002
mg/L	Nickel	0.0048	0.00269	0.0046	0.0042
mg/L	Phosphorus	<0.30	<0.30	<0.02	
mg/L	Potassium	2.6	<2.0	2.2	2
mg/L	Selenium	0.003	0.003	0.0024	0.002
mg/L	Silicon	7.86	7.93	7.99	8.15
mg/L	Silver	<0.000020	<0.000010	<0.0001	0.0002
mg/L	Sodium	10.4	10	9.3	11
mg/L	Strontium	0.354	0.285	0.288	0.306
mg/L	Sulphur	46.7	51.4	49.4	50.9
mg/L	Thallium	<0.00020	<0.00010	<0.00005	<0.0001
mg/L	Tin	<0.00020	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.003	0.011
mg/L	Uranium	0.000354	0.000313	<0.0005	<0.001
mg/L	Vanadium	<0.0020	<0.0010	0.0014	0.0008
mg/L	Zinc	0.0479	0.0385	0.026	0.027

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

	Station	BC-21	BC-21	BC21	BC21
Units	Date	28-Mar-06	28-Jun-06	19-Sep-06	19-Dec-06
m3/sec, m	Water Level or Flow	32.2	32.18	32.3	32.32
pH units	pH (field)	7.41	6.08	5.75	7.33
pH units	pH (lab)	7.22	7.28	5.89	6.89
uS/cm	Conductivity (field)	332	312	277	167
uS/cm	Conductivity (lab)	368	352	355	322
°C	Temperature (field)	1.1	2.6	3.2	0.4
mg CaCO ₃ /L	Hardness	155	155	133	140
mg CaCO ₃ /L	Alkalinity	48.3	64.6	11	43
mg/L	Total Dissolved Solids	220	200	342	220
mg/L	Total Suspended Solids	13.3	12.2	15	30
mg/L	Chloride	53.9	48.9	0.62	58
mg/L	Sulfate	40.3	34.7	30	25
mg /L	Ammonia	0.021	0.031	<0.05	0.016
mg /L	Nitrate	0.5	0.65	0.48	0.6
mg/L	Total Cyanide	<0.0050	0.0059	0.001	0.002
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.002	0.002
	Dissolved Metals	DM	DM	DM	TM
mg/L	Aluminum	0.0056	0.0529	0.009	0.632
mg/L	Antimony	0.0009	0.00114	0.0008	0.0062
mg/L	Arsenic	0.00365	0.00473	0.0015	0.017
mg/L	Barium	0.0538	0.0604	0.049	0.12
mg/L	Beryllium	<0.0010	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.020	0.017	0.01	0.02
mg/L	Cadmium	0.00048	0.0004	0.00048	0.00072
mg/L	Calcium	30.1	28.7	29.5	30.4
mg/L	Chromium	<0.0010	0.00076	0.0006	0.0057
mg/L	Cobalt	<0.00020	0.00036	0.0016	0.002
mg/L	Copper	0.0052	0.00802	0.005	0.02
mg/L	Iron	<0.030	0.197	0.03	2
mg/L	Lead	<0.00010	0.00141	0.0002	0.0076
mg/L	Lithium	0.023	0.0207	0.017	0.023
mg/L	Magnesium	19.3	20.4	14.3	15
mg/L	Manganese	0.0514	0.0546	0.116	0.16
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.00013	0.000101	<0.001	<0.002
mg/L	Nickel	0.0124	0.0117	0.0238	0.0342
mg/L	Phosphorus	<0.30	<0.30	<0.02	
mg/L	Potassium	3	2.3	2.4	2.8
mg/L	Selenium	0.0089	0.0111	0.001	0.0051
mg/L	Silicon	7.9	7.17	9.06	9.97
mg/L	Silver	<0.000020	0.000114	<0.0001	0.002
mg/L	Sodium	8.3	7.9	5	6.3
mg/L	Strontium	0.168	0.141	0.153	0.16
mg/L	Sulphur	13.3	12.3	9.5	9.2
mg/L	Thallium	<0.00020	<0.00010	0.00006	<0.0001
mg/L	Tin	<0.00020	0.0002	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.0005	0.0252
mg/L	Uranium	<0.000020	0.000047	<0.0005	<0.001
mg/L	Vanadium	<0.0020	<0.0010	0.0001	0.0027
mg/L	Zinc	0.0279	0.0377	0.022	0.04

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

	Station	BC-22	BC-22	BC22	BC22
Units	Date	29-Mar-06	28-Jun-06	18-Sep-06	19-Dec-06
m3/sec, m	Water Level or Flow	49.5	49.6	49.39	49.03
pH units	pH (field)	6.04	6.94	5.65	7.31
pH units	pH (lab)	6.39	6.34	5.68	5.86
uS/cm	Conductivity (field)	1205	1285	1027	588
uS/cm	Conductivity (lab)	1470	1440	1430	1380
°C	Temperature (field)	-0.9	1.8	2.8	0.4
mg CaCO ₃ /L	Hardness	833	869	834	870
mg CaCO ₃ /L	Alkalinity	94	85.5	86	83
mg/L	Total Dissolved Solids	285	991	1380	1300
mg/L	Total Suspended Solids	<3.0	10.2	8	6
mg/L	Chloride	<2.5	1.01	1.96	1.6
mg/L	Sulfate	789	737	740	710
mg /L	Ammonia	0.022	0.028	0.07	0.025
mg /L	Nitrate	2.53	3.07	2.76	3.1
mg/L	Total Cyanide	<0.0050	0.0067	<0.001	0.001
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.002	0.002
	Dissolved Metals	DM	DM	DM	TM
mg/L	Aluminum	0.6	0.575	0.365	0.735
mg/L	Antimony	<0.00050	<0.00050	<0.0002	0.001
mg/L	Arsenic	<0.00050	<0.00050	0.0028	0.0034
mg/L	Barium	0.00929	0.00908	0.015	0.036
mg/L	Beryllium	<0.0025	<0.0025	0.0002	0.0002
mg/L	Bismuth	<0.0025	<0.0025	<0.0005	<0.001
mg/L	Boron	<0.050	<0.050	0.028	0.042
mg/L	Cadmium	0.0184	0.0152	0.0133	0.0132
mg/L	Calcium	220	220	216	227
mg/L	Chromium	<0.0025	<0.0025	0.0007	0.0025
mg/L	Cobalt	0.0112	0.0105	0.011	0.01
mg/L	Copper	0.00447	0.00434	0.004	0.01
mg/L	Iron	<0.030	<0.030	0.12	0.7
mg/L	Lead	0.00041	0.00029	0.0006	0.0033
mg/L	Lithium	0.094	0.079	0.063	0.09
mg/L	Magnesium	68.8	77.8	71.5	73.8
mg/L	Manganese	0.993	0.882	0.881	0.945
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	<0.00025	<0.00025	<0.001	<0.002
mg/L	Nickel	0.178	0.165	0.159	0.156
mg/L	Phosphorus	<0.30	<0.30	<0.02	
mg/L	Potassium	4.9	4.1	4.6	5
mg/L	Selenium	0.0947	0.087	0.112	0.0844
mg/L	Silicon	14	14.6	14.4	15
mg/L	Silver	<0.000050	<0.000050	<0.0001	0.0006
mg/L	Sodium	17.6	19.1	16.6	20.4
mg/L	Strontium	0.445	0.374	0.39	0.375
mg/L	Sulphur	253	261	251	251
mg/L	Thallium	<0.00050	<0.00050	0.00008	<0.0001
mg/L	Tin	<0.00050	<0.00050	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.0098	0.019
mg/L	Uranium	<0.000050	<0.000050	<0.0005	<0.001
mg/L	Vanadium	<0.0050	<0.0050	0.0016	0.0007
mg/L	Zinc	0.392	0.36	0.336	0.363

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

	Station	BC-27	BC-27	BC27	BC27
Units	Date	30-Mar-06	28-Jun-06	19-Sep-06	20-Dec-06
m3/sec, m	Water Level or Flow	8.87	8.43	8.65	8.83
pH units	pH (field)	7.66	7.44	7.42	7.65
pH units	pH (lab)	7.94	7.90	7.30	7.71
uS/cm	Conductivity (field)	512	543	473	515
uS/cm	Conductivity (lab)	596	602	623	620
°C	Temperature (field)	1.2	4.4	4.6	3.5
mg CaCO ₃ /L	Hardness	286	339	349	359
mg CaCO ₃ /L	Alkalinity	158	154	158	156
mg/L	Total Dissolved Solids	399	425	512	486
mg/L	Total Suspended Solids	9.3	15.2	14	<2
mg/L	Chloride	<0.50	0.63	0.78	0.6
mg/L	Sulfate	169	171	192	203
mg /L	Ammonia	0.127	0.074	0.17	0.068
mg /L	Nitrate	0.0075	0.0166	<0.03	<0.1
mg/L	Total Cyanide	<0.0050	0.0074	<0.001	0.002
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.002	0.002
	Dissolved Metals	DM	DM	DM	TM
mg/L	Aluminum	0.0028	0.0113	<0.005	0.028
mg/L	Antimony	0.00146	0.00298	0.0011	0.002
mg/L	Arsenic	0.18	0.0301	0.225	0.167
mg/L	Barium	0.0198	0.0156	0.019	0.02
mg/L	Beryllium	<0.0010	<0.00050	<0.0001	<0.0002
mg/L	Bismuth	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Boron	<0.020	<0.010	0.007	0.008
mg/L	Cadmium	<0.00010	<0.000050	0.0001	<0.00002
mg/L	Calcium	72.1	81.3	84.7	88.5
mg/L	Chromium	<0.0010	<0.00050	<0.0005	<0.001
mg/L	Cobalt	<0.00020	<0.00010	0.0002	<0.0002
mg/L	Copper	0.00029	0.0005	0.004	<0.002
mg/L	Iron	1.3	0.108	2.18	2.2
mg/L	Lead	0.00011	<0.000050	0.0002	0.0005
mg/L	Lithium	0.011	0.0089	0.009	0.01
mg/L	Magnesium	25.7	33.1	33.3	33.4
mg/L	Manganese	0.184	0.165	0.178	0.19
mg/L	Mercury	<0.000050	<0.000050	<0.0001	
mg/L	Molybdenum	0.0153	0.0129	0.014	0.01
mg/L	Nickel	0.0027	0.00214	0.0041	0.003
mg/L	Phosphorus	<0.30	<0.30	<0.02	
mg/L	Potassium	<2.0	<2.0	1.5	1
mg/L	Selenium	<0.0020	<0.0010	<0.0002	<0.0004
mg/L	Silicon	3.14	3.45	3.55	3.54
mg/L	Silver	<0.000020	<0.000010	<0.0001	<0.0002
mg/L	Sodium	<2.0	<2.0	1.7	2
mg/L	Strontium	0.72	0.589	0.643	0.642
mg/L	Sulphur	52.3	58	63.9	65.4
mg/L	Thallium	<0.00020	<0.00010	<0.00005	<0.0001
mg/L	Tin	<0.00020	<0.00010	<0.001	<0.002
mg/L	Titanium	<0.010	<0.010	0.0035	0.0044
mg/L	Uranium	0.00646	0.00599	0.0068	0.007
mg/L	Vanadium	<0.0020	<0.0010	0.0009	<0.0002
mg/L	Zinc	0.0133	0.0182	0.02	0.009

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Ground Water Stations

	Station	BC-65	BC-65	BC-65	BC65
Units	Date	28-Mar-06	28-Jun-06	29-Aug-06	19-Dec-06
m3/sec, m	Water Level or Flow	84.52	53.38	83.34	equipment
pH units	pH (field)	7.7	7.95	8.87	failure
pH units	pH (lab)	8.01	8.03	8.22	
uS/cm	Conductivity (field)	355	858	291	
uS/cm	Conductivity (lab)	351	353	364	
°C	Temperature (field)	0.5	5.3	5	
mg CaCO ₃ /L	Hardness	143	158	178	
mg CaCO ₃ /L	Alkalinity	144	138	140	
mg/L	Total Dissolved Solids	210	240	249	
mg/L	Total Suspended Solids	15.3	520	867	
mg/L	Chloride	<0.50	<0.50	<0.50	
mg/L	Sulfate	45.5	42.4	55.2	
mg /L	Ammonia	0.02	<0.020	<0.020	
mg /L	Nitrate	0.0439	0.0161	0.049	
mg/L	Total Cyanide	<0.0050	0.0053	<0.0050	
mg/L	WAD Cyanide	<0.0050	<0.0050	<0.0050	
	Dissolved Metals	DM	DM	DM	
mg/L	Aluminum	0.0046	0.0017	0.0016	
mg/L	Antimony	0.00212	0.00217	0.00201	
mg/L	Arsenic	0.00114	0.0013	0.00096	
mg/L	Barium	0.00938	0.00998	0.012	
mg/L	Beryllium	<0.0010	<0.00050	<0.00050	
mg/L	Bismuth	<0.0010	<0.00050	<0.00050	
mg/L	Boron	0.024	0.026	0.023	
mg/L	Cadmium	<0.00010	<0.000050	<0.000050	
mg/L	Calcium	45.2	49.2	56.8	
mg/L	Chromium	<0.0010	<0.00050	<0.00050	
mg/L	Cobalt	<0.00020	<0.00010	<0.00010	
mg/L	Copper	0.00041	0.00038	0.00016	
mg/L	Iron	<0.030	<0.030	<0.030	
mg/L	Lead	<0.00010	<0.000050	<0.000050	
mg/L	Lithium	0.037	0.036	0.0336	
mg/L	Magnesium	7.4	8.64	8.72	
mg/L	Manganese	0.00111	0.000695	0.0154	
mg/L	Mercury	<0.000050	<0.000050	0.000211	
mg/L	Molybdenum	0.00068	0.000669	0.000511	
mg/L	Nickel	<0.0010	<0.00050	<0.00050	
mg/L	Phosphorus	0.65	0.71	0.35	
mg/L	Potassium	<2.0	<2.0	<2.0	
mg/L	Selenium	<0.0020	<0.0010	<0.0010	
mg/L	Silicon	6.69	6.82	7.87	
mg/L	Silver	0.000027	<0.000010	<0.000010	
mg/L	Sodium	12.1	13.2	7	
mg/L	Strontium	0.241	0.238	0.243	
mg/L	Sulphur	15.1	15.2	14.6	
mg/L	Thallium	<0.00020	<0.00010	<0.00010	
mg/L	Tin	0.00083	<0.00010	<0.00010	
mg/L	Titanium	<0.010	<0.010	<0.010	
mg/L	Uranium	0.000545	0.000149	0.000439	
mg/L	Vanadium	<0.0020	<0.0010	<0.0010	
mg/L	Zinc	0.0034	0.0034	<0.0010	

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Ground Water Stations

	Station	BC-66	BC-66	BC-66	BC66
Units	Date	29-Mar-06	28-Jun-06	29-Aug-06	19-Dec-06
m3/sec, m	Water Level or Flow	54.39	84.1	53.52	equipment
pH units	pH (field)	7.3	7.28	7.66	failure
pH units	pH (lab)	8.02	7.99	8.11	
uS/cm	Conductivity (field)	988	1588	602	
uS/cm	Conductivity (lab)	974	879	828	
°C	Temperature (field)	0.8	6.5	4.8	
mg CaCO ₃ /L	Hardness	381	401	410	
mg CaCO ₃ /L	Alkalinity	215	193	208	
mg/L	Total Dissolved Solids	611	515	530	
mg/L	Total Suspended Solids	3.3	<3.0	<3.0	
mg/L	Chloride	10.9	9.74	8.95	
mg/L	Sulfate	19.7	19.6	19.7	
mg /L	Ammonia	<0.020	<0.020	<0.020	
mg /L	Nitrate	70.5	0.622	55.8	
mg/L	Total Cyanide	0.121	0.0833	0.0776	
mg/L	WAD Cyanide	0.0395	0.0374	0.0136	
	Dissolved Metals	DM	DM	DM	
mg/L	Aluminum	2.37	0.057	<0.0010	
mg/L	Antimony	<0.00050	0.00027	0.0002	
mg/L	Arsenic	<0.00050	0.00076	0.00032	
mg/L	Barium	0.0673	0.0589	0.0588	
mg/L	Beryllium	<0.0025	<0.00050	<0.00050	
mg/L	Bismuth	<0.0025	<0.00050	<0.00050	
mg/L	Boron	<0.050	<0.010	<0.010	
mg/L	Cadmium	<0.00025	0.000204	<0.000050	
mg/L	Calcium	82.3	80.3	83.2	
mg/L	Chromium	<0.0025	<0.00050	<0.00050	
mg/L	Cobalt	0.213	0.155	0.166	
mg/L	Copper	0.00237	0.00234	0.0004	
mg/L	Iron	<0.030	0.116	<0.030	
mg/L	Lead	0.00052	0.000901	0.000544	
mg/L	Lithium	<0.025	0.02	0.0219	
mg/L	Magnesium	42.6	48.7	49.1	
mg/L	Manganese	0.00128	0.00594	0.000229	
mg/L	Mercury	<0.000050	<0.000050	<0.000050	
mg/L	Molybdenum	<0.00025	0.000053	0.000127	
mg/L	Nickel	<0.0025	<0.00050	0.00064	
mg/L	Phosphorus	<0.30	<0.30	<0.30	
mg/L	Potassium	2.9	2.1	2.7	
mg/L	Selenium	0.0231	0.0204	0.0207	
mg/L	Silicon	4.16	4.41	5.07	
mg/L	Silver	<0.000050	<0.000010	<0.000010	
mg/L	Sodium	13	13.3	13.8	
mg/L	Strontium	0.471	0.412	0.431	
mg/L	Sulphur	6.84	6.75	6.96	
mg/L	Thallium	<0.00050	<0.00010	<0.00010	
mg/L	Tin	<0.00050	<0.00010	<0.00010	
mg/L	Titanium	<0.010	<0.010	<0.010	
mg/L	Uranium	0.00055	0.000796	0.000737	
mg/L	Vanadium	<0.0050	<0.0010	<0.0010	
mg/L	Zinc	0.0229	0.0114	0.0016	

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

	Station	BC-67	BC-67	BC-67	BC67
Units	Date	29-Mar-06	28-Jun-06	29-Aug-06	20-Dec-06
m3/sec, m	Water Level or Flow	47.29	46.99	48.93	46.56
pH units	pH (field)	7.88	7.87	7.05	7.47
pH units	pH (lab)	7.96	7.85	8.07	7.14
uS/cm	Conductivity (field)	527	507	463	469
uS/cm	Conductivity (lab)	566	562	562	571
°C	Temperature (field)	-0.3	3.6	4.3	1.4
mg CaCO ₃ /L	Hardness	279	316	337	372
mg CaCO ₃ /L	Alkalinity	276	265	290	291
mg/L	Total Dissolved Solids	320	335	354	356
mg/L	Total Suspended Solids	2200	2010	1380	498
mg/L	Chloride	<0.50	0.8	0.9	0.8
mg/L	Sulfate	45.9	44.1	47.7	47
mg /L	Ammonia	0.061	0.083	<0.020	0.012
mg /L	Nitrate	0.0114	0.194	0.0521	0.1
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Dissolved Metals	DM	DM	DM	TM
mg/L	Aluminum	0.0027	0.0061	0.0015	14.5
mg/L	Antimony	0.0118	0.0481	0.0392	0.0799
mg/L	Arsenic	0.073	0.00423	0.00406	0.705
mg/L	Barium	0.0383	0.0839	0.0557	1.2
mg/L	Beryllium	<0.0010	<0.00050	<0.00050	0.001
mg/L	Bismuth	<0.0010	<0.00050	<0.00050	<0.001
mg/L	Boron	<0.020	0.012	0.011	0.037
mg/L	Cadmium	0.0001	0.000249	<0.000050	0.00118
mg/L	Calcium	71.4	77.6	83.1	91.1
mg/L	Chromium	<0.0010	<0.00050	<0.00050	0.018
mg/L	Cobalt	0.00046	0.00193	0.00041	0.021
mg/L	Copper	0.00101	0.00149	0.0012	0.045
mg/L	Iron	0.271	0.033	<0.030	39.4
mg/L	Lead	<0.00010	<0.000050	<0.000050	0.0381
mg/L	Lithium	<0.010	0.007	0.0072	0.01
mg/L	Magnesium	24.5	29.8	31.4	35.1
mg/L	Manganese	0.556	0.505	0.103	4.31
mg/L	Mercury	<0.000050	<0.000050	<0.000050	
mg/L	Molybdenum	0.00046	0.000412	0.000338	0.002
mg/L	Nickel	0.005	0.00754	0.00514	0.043
mg/L	Phosphorus	<0.30	<0.30	<0.30	
mg/L	Potassium	2.1	<2.0	2	7.7
mg/L	Selenium	<0.0020	<0.0010	<0.0010	0.001
mg/L	Silicon	3.26	3.26	3.9	29
mg/L	Silver	<0.000020	0.00001	<0.000010	<0.0002
mg/L	Sodium	2	2.2	2.6	3.2
mg/L	Strontium	0.402	0.391	0.41	0.483
mg/L	Sulphur	14.9	16	17.5	18
mg/L	Thallium	<0.00020	<0.00010	<0.00010	0.00041
mg/L	Tin	<0.00020	<0.00010	<0.00010	<0.002
mg/L	Titanium	<0.010	<0.010	<0.010	0.165
mg/L	Uranium	0.00162	0.00354	0.0016	0.005
mg/L	Vanadium	<0.0020	<0.0010	<0.0010	0.0295
mg/L	Zinc	0.0193	0.0242	0.014	0.247

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
GroundWater Stations

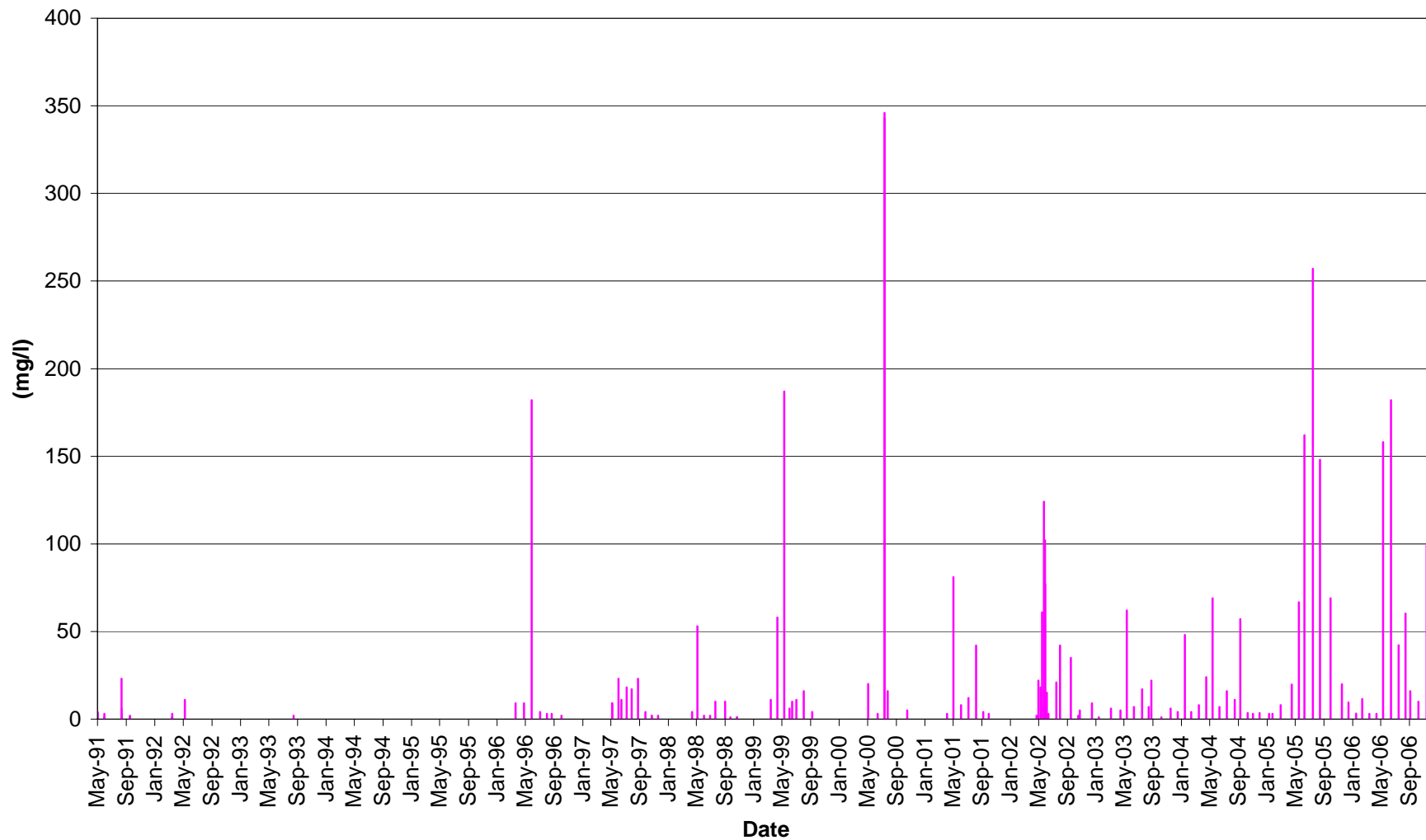
	Station	BC-68	BC-68	BC-68	BC68
Units	Date	29-Mar-06	28-Jun-06	29-Aug-06	20-Dec-06
m3/sec, m	Water Level or Flow	62.8	67.43	69.99	66.16
pH units	pH (field)	8.01	7.96	7.42	7.52
pH units	pH (lab)	7.87	7.80	8.04	7.41
uS/cm	Conductivity (field)	523	565	522	506
uS/cm	Conductivity (lab)	649	636	621	597
°C	Temperature (field)	0.7	3.8	4	2.4
mg CaCO ₃ /L	Hardness	322	360	362	410
mg CaCO ₃ /L	Alkalinity	280	285	288	287
mg/L	Total Dissolved Solids	357	407	392	410
mg/L	Total Suspended Solids	2340	1590	659	84
mg/L	Chloride	<0.50	0.73	0.82	2.1
mg/L	Sulfate	78.1	71.1	74.5	75
mg /L	Ammonia	0.268	0.237	0.197	0.14
mg /L	Nitrate	0.019	0.0299	<0.0050	0.2
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Dissolved Metals	DM	DM	DM	TM
mg/L	Aluminum	<0.0020	0.0015	0.0018	18.5
mg/L	Antimony	0.0116	0.00871	0.00745	0.104
mg/L	Arsenic	0.0795	0.0937	0.139	0.444
mg/L	Barium	0.0295	0.0424	0.0259	1.2
mg/L	Beryllium	<0.0010	<0.00050	<0.00050	0.001
mg/L	Bismuth	<0.0010	<0.00050	<0.00050	<0.001
mg/L	Boron	<0.020	<0.010	<0.010	0.042
mg/L	Cadmium	<0.00010	0.00011	<0.000050	0.00105
mg/L	Calcium	77	80.6	81.8	90.9
mg/L	Chromium	<0.0010	<0.00050	<0.00050	0.0469
mg/L	Cobalt	0.00469	0.00418	0.00268	0.016
mg/L	Copper	0.00031	0.0004	0.00027	0.065
mg/L	Iron	0.646	0.695	1.33	38.9
mg/L	Lead	<0.00010	<0.000050	<0.000050	0.0274
mg/L	Lithium	0.01	0.0111	0.0093	0.022
mg/L	Magnesium	31.4	38.4	38.4	44.4
mg/L	Manganese	0.544	0.529	0.516	0.862
mg/L	Mercury	<0.000050	<0.000050	<0.000050	
mg/L	Molybdenum	0.00175	0.00138	0.00128	0.004
mg/L	Nickel	0.0371	0.0336	0.0249	0.0878
mg/L	Phosphorus	<0.30	<0.30	<0.30	
mg/L	Potassium	5.7	4.7	5.7	12
mg/L	Selenium	<0.0020	<0.0010	<0.0010	0.0009
mg/L	Silicon	2.25	2.41	2.78	29.8
mg/L	Silver	<0.000020	<0.000010	<0.000010	0.0008
mg/L	Sodium	<2.0	<2.0	<2.0	2.1
mg/L	Strontium	0.217	0.232	0.239	0.319
mg/L	Sulphur	25.7	25.3	26.4	27.6
mg/L	Thallium	<0.00020	<0.00010	<0.00010	0.00063
mg/L	Tin	<0.00020	<0.00010	<0.00010	<0.002
mg/L	Titanium	<0.010	<0.010	<0.010	0.352
mg/L	Uranium	0.00695	0.00747	0.00865	0.01
mg/L	Vanadium	<0.0020	<0.0010	<0.0010	0.0613
mg/L	Zinc	0.0213	0.0342	0.0084	0.15

Alexco Resource Corp.
Brewery Creek Mine
Monitoring Pursuant to Water License QZ96-007
Ground Water Stations

	Station	BC-69	BC-69	BC-69	BC69
Units	Date	29-Mar-06	28-Jun-06	29-Aug-06	20-Dec-06
m3/sec, m	Water Level or Flow	40.38	39.66	39.5	39
pH units	pH (field)	8.09	7.91		nm
pH units	pH (lab)	8.00	7.88	8.11	7.52
uS/cm	Conductivity (field)	637	730		nm
uS/cm	Conductivity (lab)	799	771	827	826
°C	Temperature (field)	-1	3.2		nm
mg CaCO ₃ /L	Hardness	474	443	457	475
mg CaCO ₃ /L	Alkalinity	274	290	299	335
mg/L	Total Dissolved Solids	552	521	579	604
mg/L	Total Suspended Solids	3230	1110	1100	118
mg/L	Chloride	<0.50	0.7	1.01	2
mg/L	Sulfate	172	154	182	186
mg /L	Ammonia	0.052	0.036	0.022	0.012
mg /L	Nitrate	0.153	0.173	0.105	0.1
mg/L	Total Cyanide	-	-	-	-
mg/L	WAD Cyanide	-	-	-	-
	Dissolved Metals	DM	DM	DM	TM
mg/L	Aluminum	0.0056	0.0024	0.0022	4.19
mg/L	Antimony	0.00672	0.00646	0.006	0.0218
mg/L	Arsenic	0.0348	0.0341	0.031	0.19
mg/L	Barium	0.0232	0.0285	0.0278	0.844
mg/L	Beryllium	<0.0025	<0.00050	<0.00050	0.0004
mg/L	Bismuth	<0.0025	<0.00050	<0.00050	<0.001
mg/L	Boron	<0.050	<0.010	<0.010	0.02
mg/L	Cadmium	0.00063	0.000861	0.000644	0.00179
mg/L	Calcium	91.5	83.7	87.2	92.4
mg/L	Chromium	<0.0025	<0.00050	<0.00050	0.011
mg/L	Cobalt	<0.00050	<0.00010	<0.00010	0.0039
mg/L	Copper	0.00098	0.0007	0.00234	0.02
mg/L	Iron	<0.030	<0.030	<0.030	11
mg/L	Lead	0.00038	<0.000050	0.000526	0.011
mg/L	Lithium	<0.025	0.0125	0.0114	0.01
mg/L	Magnesium	59.5	56.8	58.2	59.2
mg/L	Manganese	0.0556	0.00609	0.0112	0.29
mg/L	Mercury	<0.000050	<0.000050	<0.000050	
mg/L	Molybdenum	0.00025	0.000211	0.000384	<0.002
mg/L	Nickel	0.0048	0.00431	0.00473	0.019
mg/L	Phosphorus	<0.30	<0.30	<0.30	
mg/L	Potassium	8.8	6.2	7.6	9.2
mg/L	Selenium	<0.0050	0.0031	0.0018	0.0023
mg/L	Silicon	3.35	2.95	3.49	10.2
mg/L	Silver	<0.000050	<0.000010	<0.000010	0.0005
mg/L	Sodium	2.4	<2.0	2.1	2.2
mg/L	Strontium	0.43	0.45	0.496	0.547
mg/L	Sulphur	57.1	48.7	52.9	54.8
mg/L	Thallium	<0.00050	0.00025	0.00025	0.00066
mg/L	Tin	<0.00050	<0.00010	<0.00010	<0.002
mg/L	Titanium	<0.010	<0.010	<0.010	0.0833
mg/L	Uranium	0.00249	0.00145	0.0023	0.0041
mg/L	Vanadium	<0.0050	<0.0010	<0.0010	0.016
mg/L	Zinc	0.0945	0.083	0.0898	0.19

Brewery Creek Mine

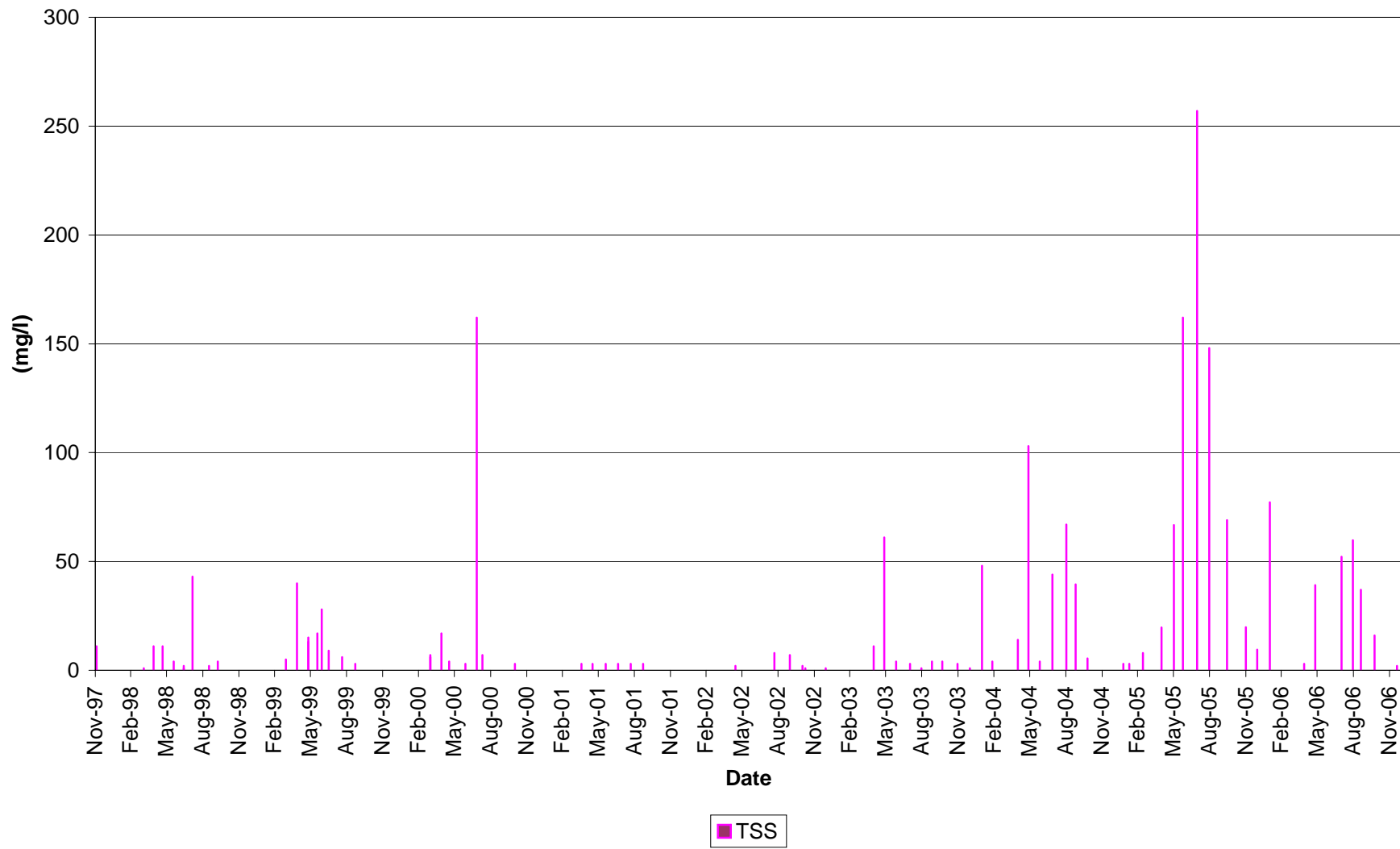
BC-01: Laura Creek 50m above Ditch Road



TSS

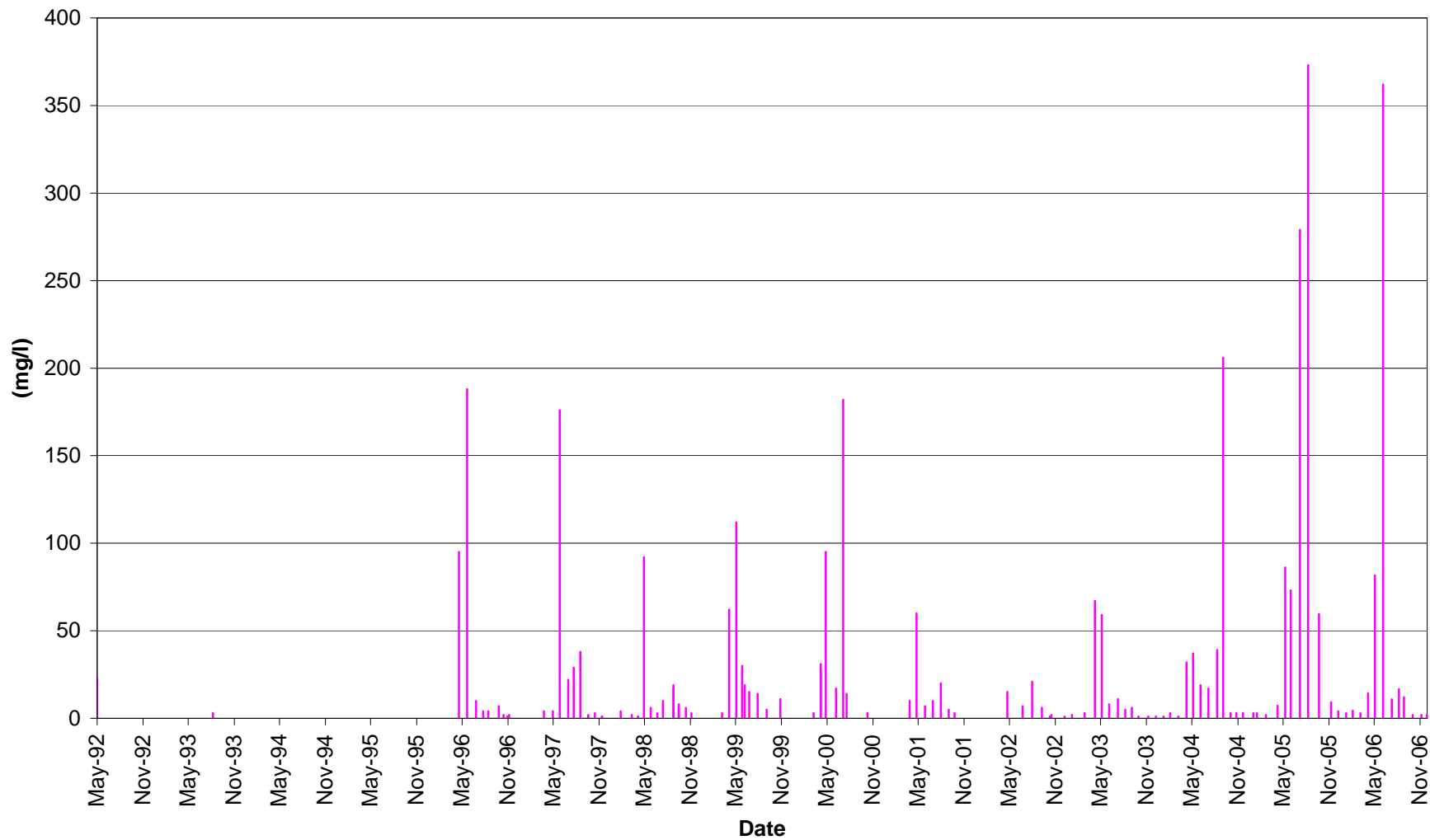
Brewery Creek Mine

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



Brewery Creek Mine

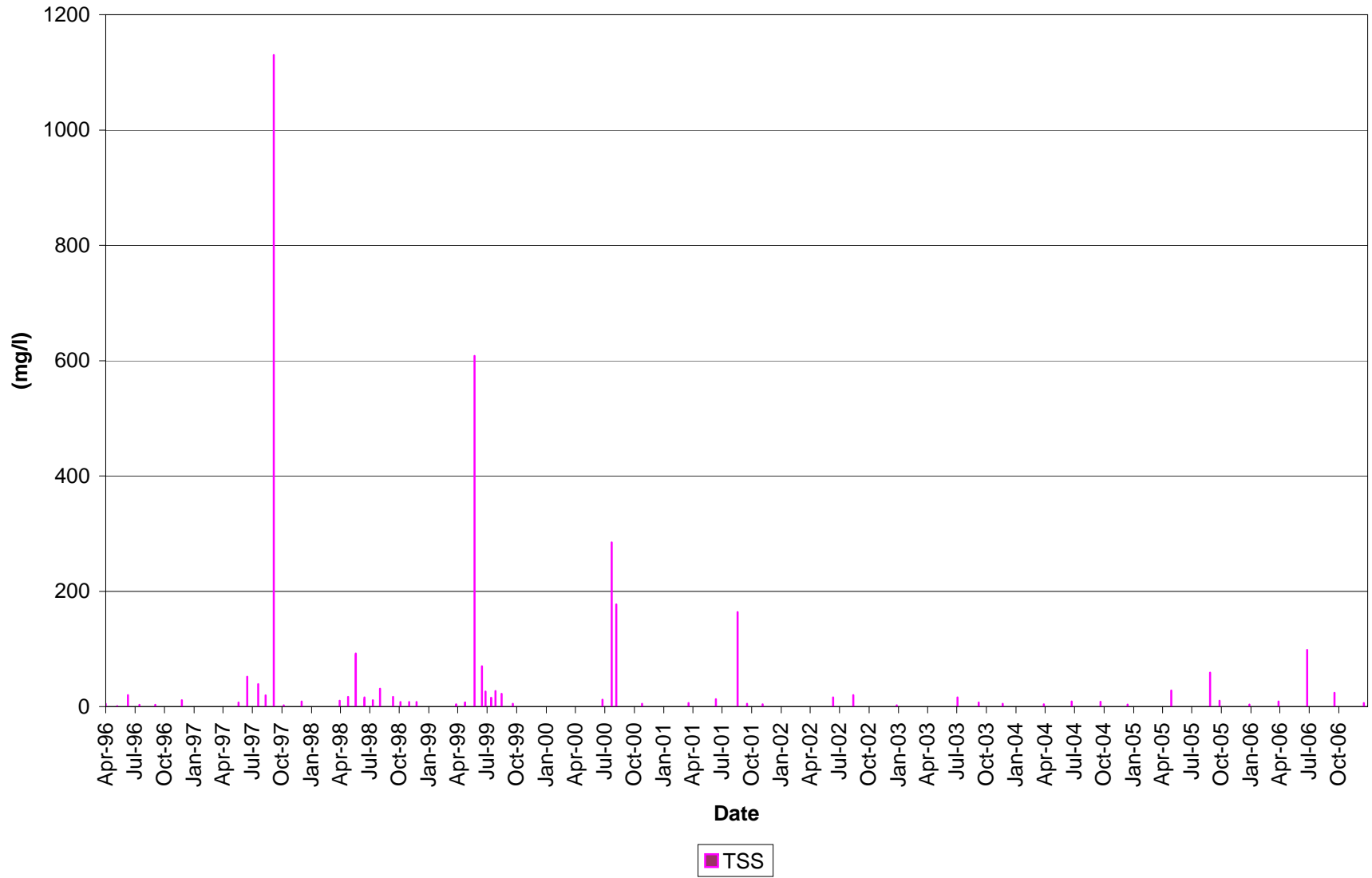
BC-03: Laura Creek Above Carolyn Creek



TSS

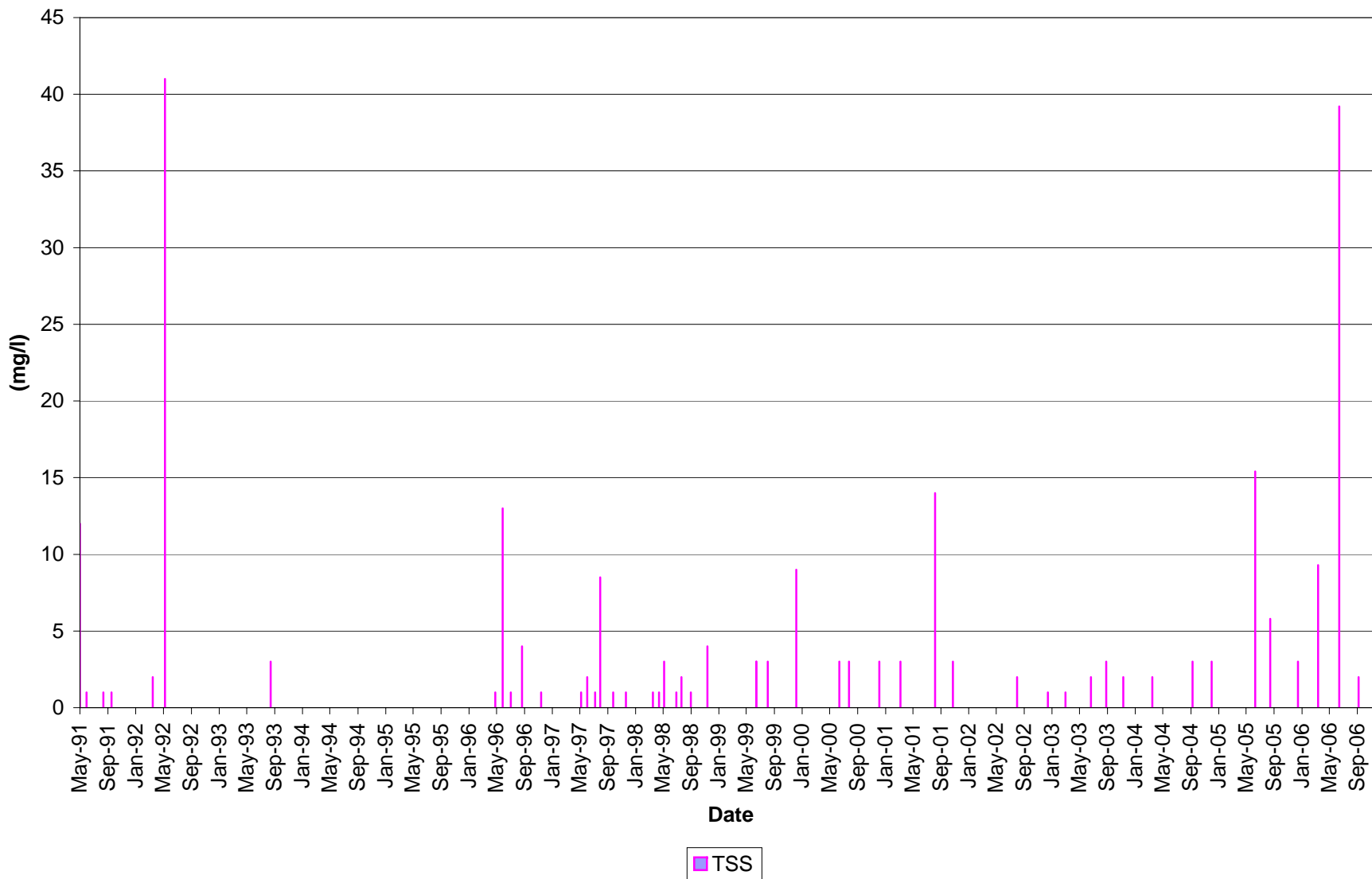
Brewery Creek Mine

BC-04: Lucky Creek



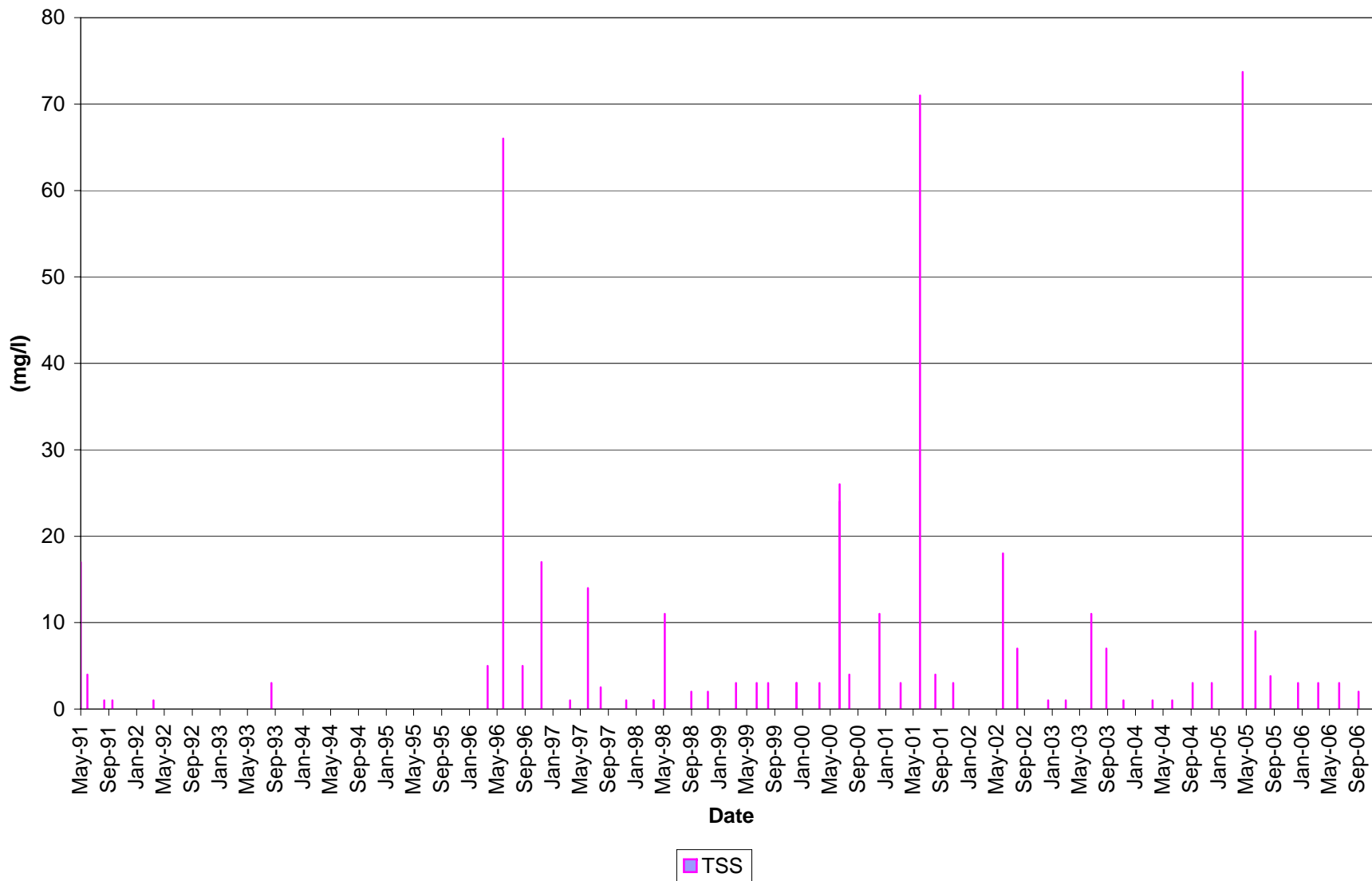
Brewery Creek Mine

BC-05: Pacific Creek above Confluence with Lee Creek



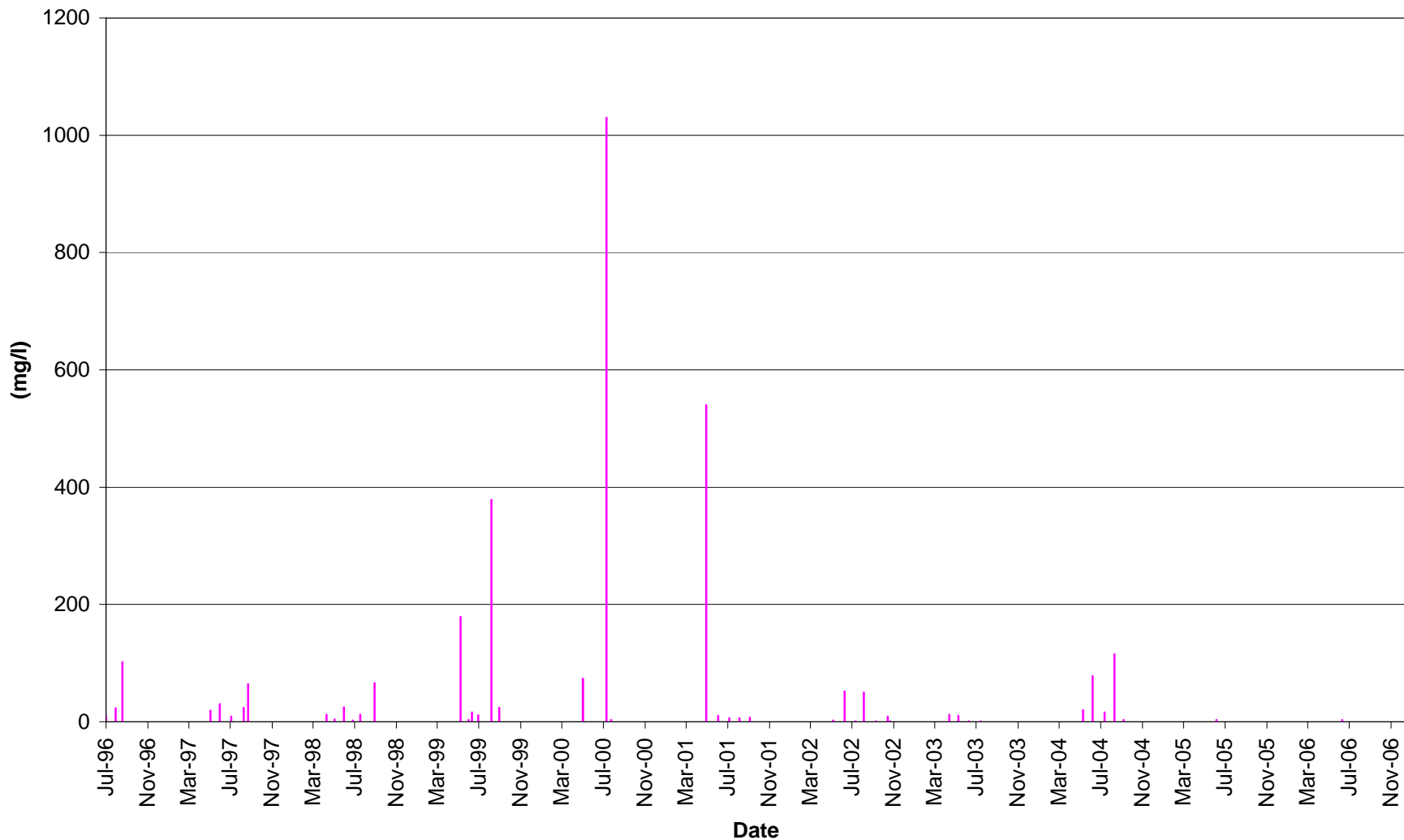
Brewery Creek Mine

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



Brewery Creek Mine

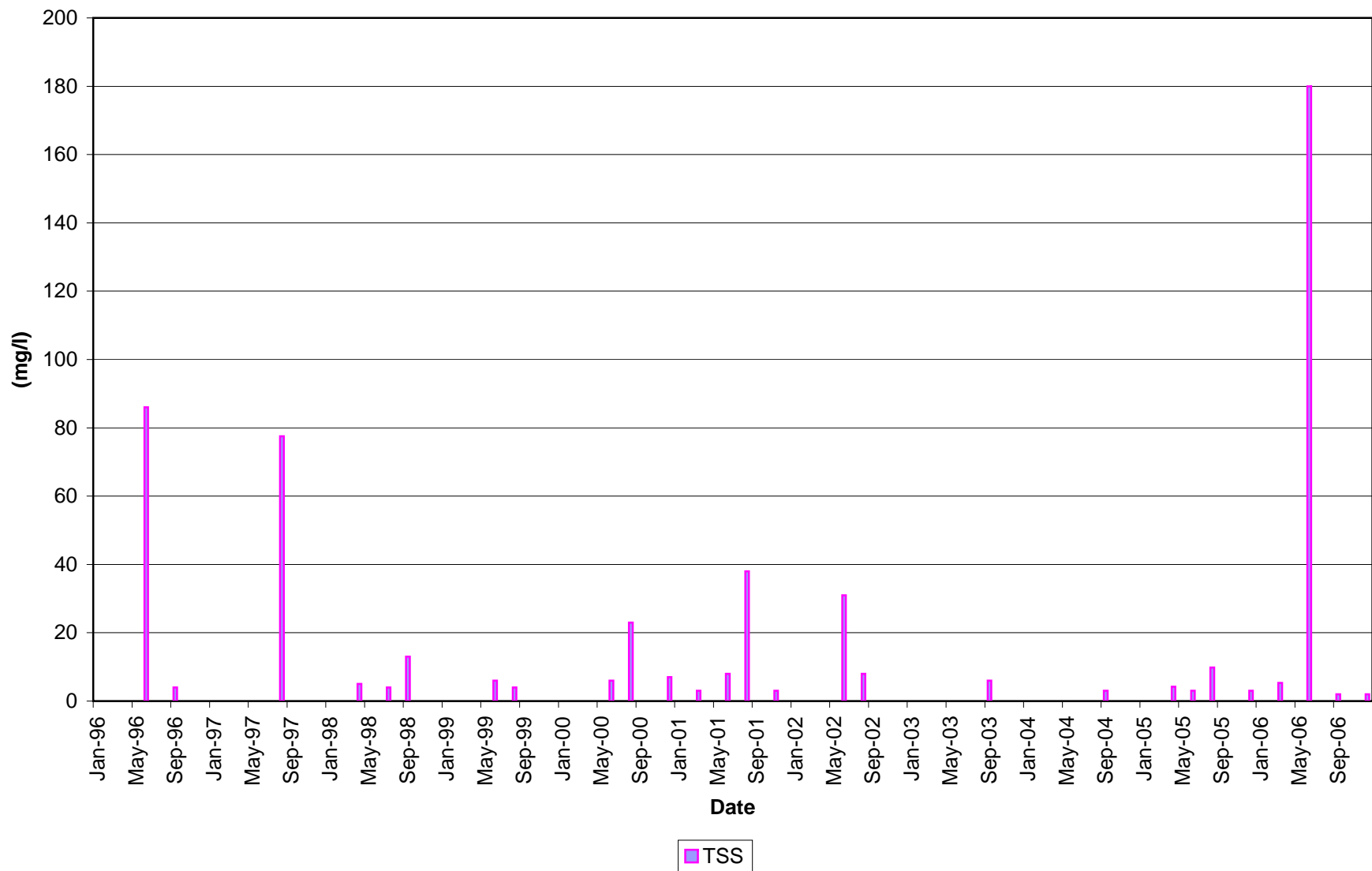
BC-16: Pacific Gulch 300m above Laura Creek



TSS

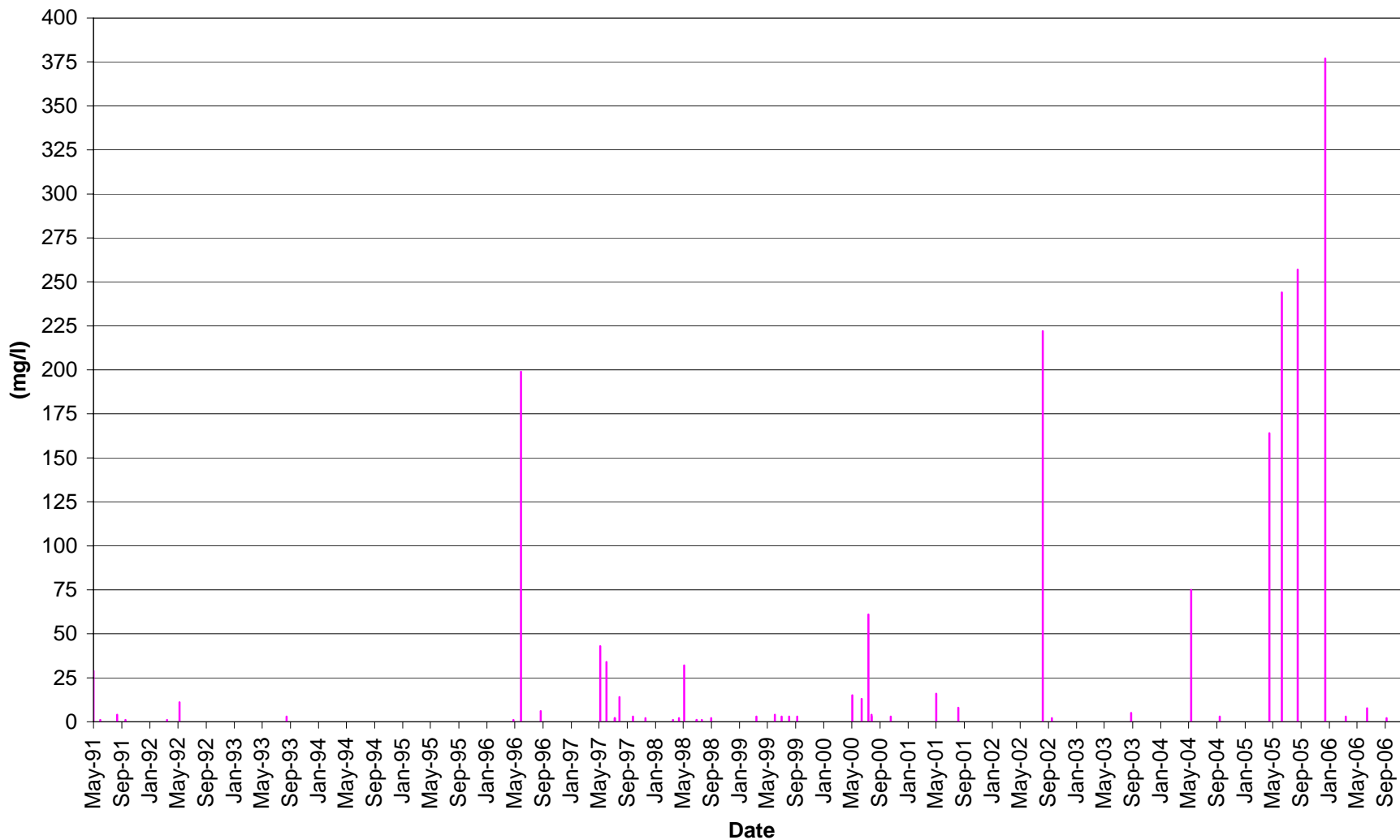
Brewery Creek Mine

BC-31: Golden Cr. Upstream of confluence with S. Klondike



Brewery Creek Mine

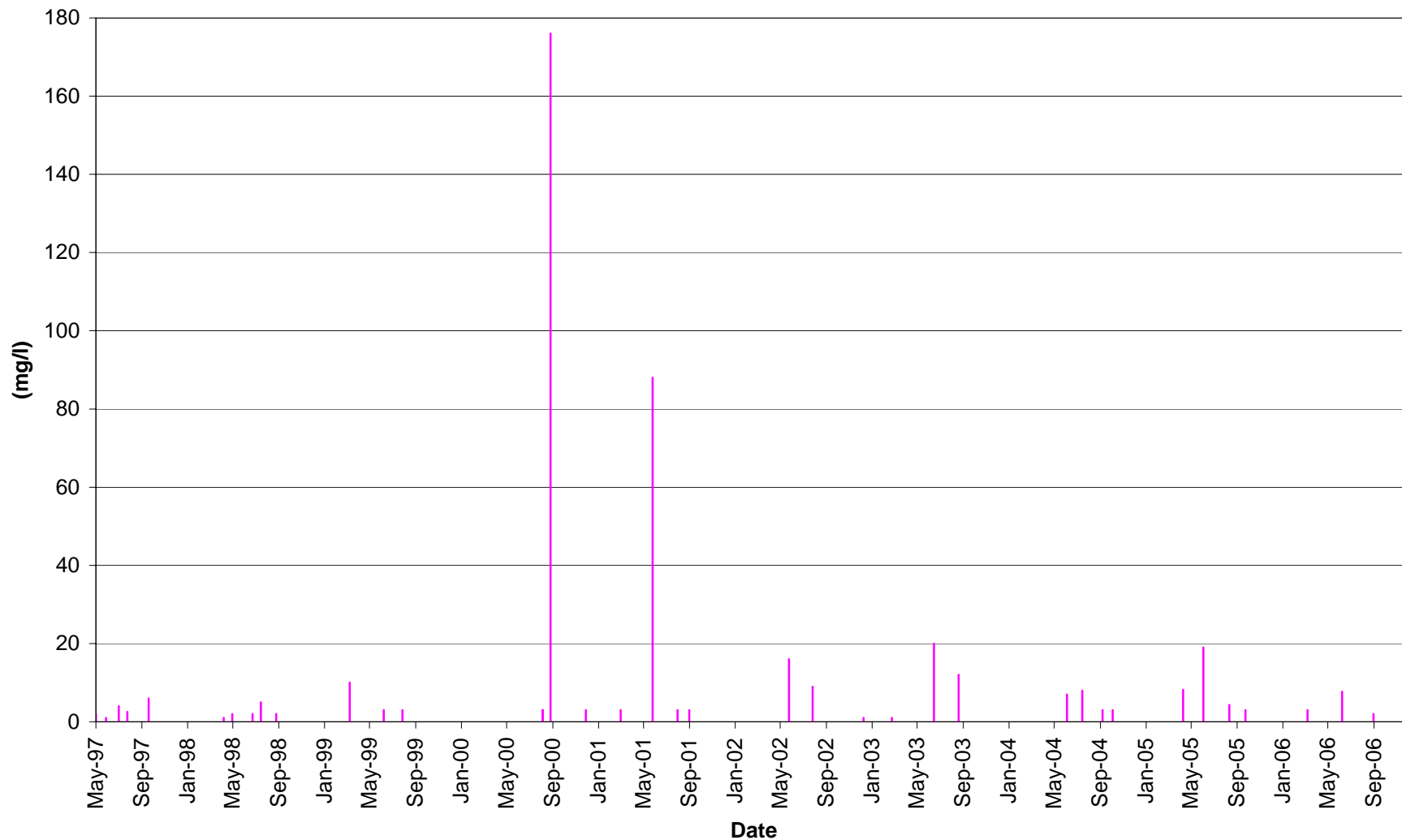
BC-34: Lee Creek At Ditch Road



TSS

Brewery Creek Mine

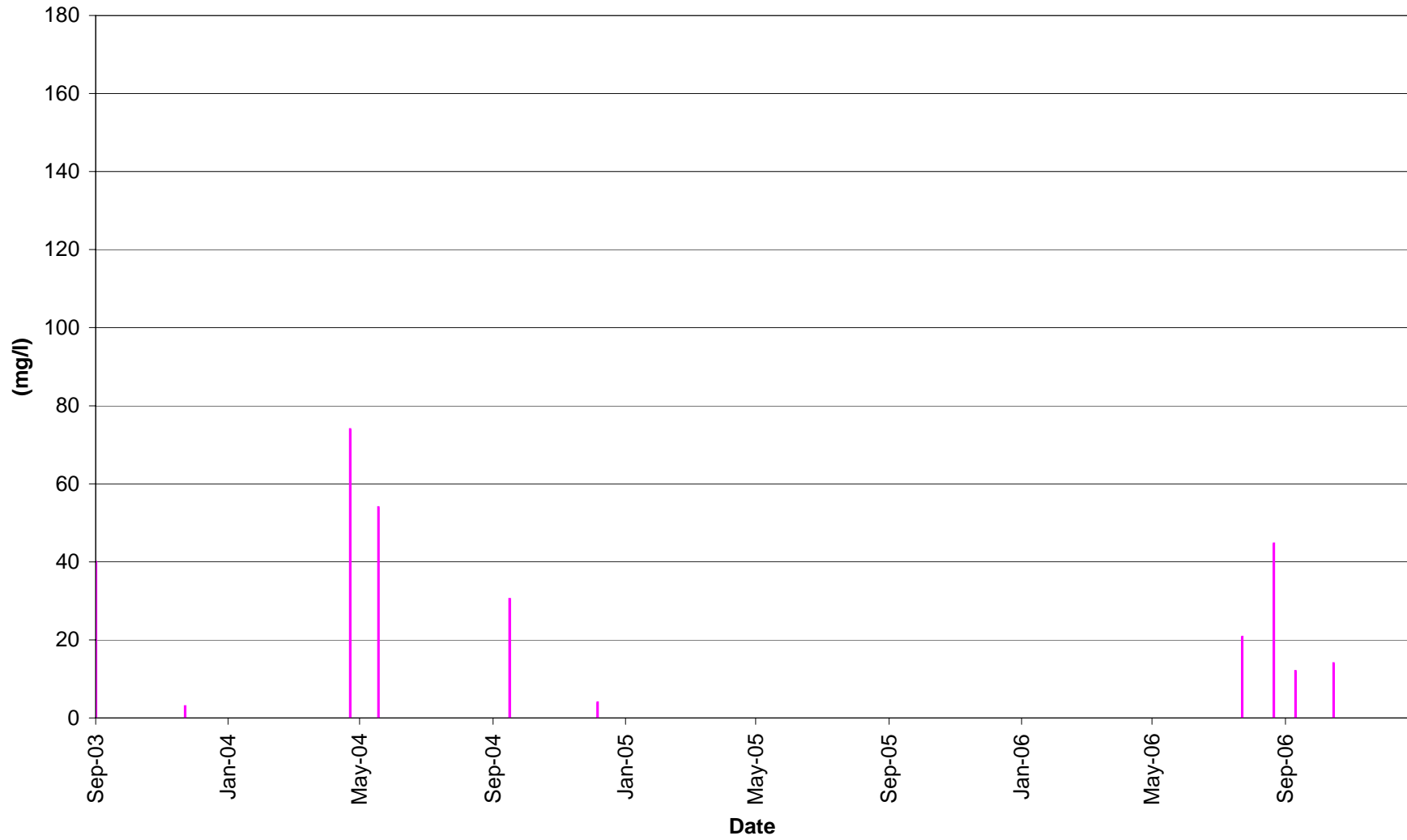
BC-39: Laura Creek at confluence with S. Klondike



TSS

Brewery Creek Mine

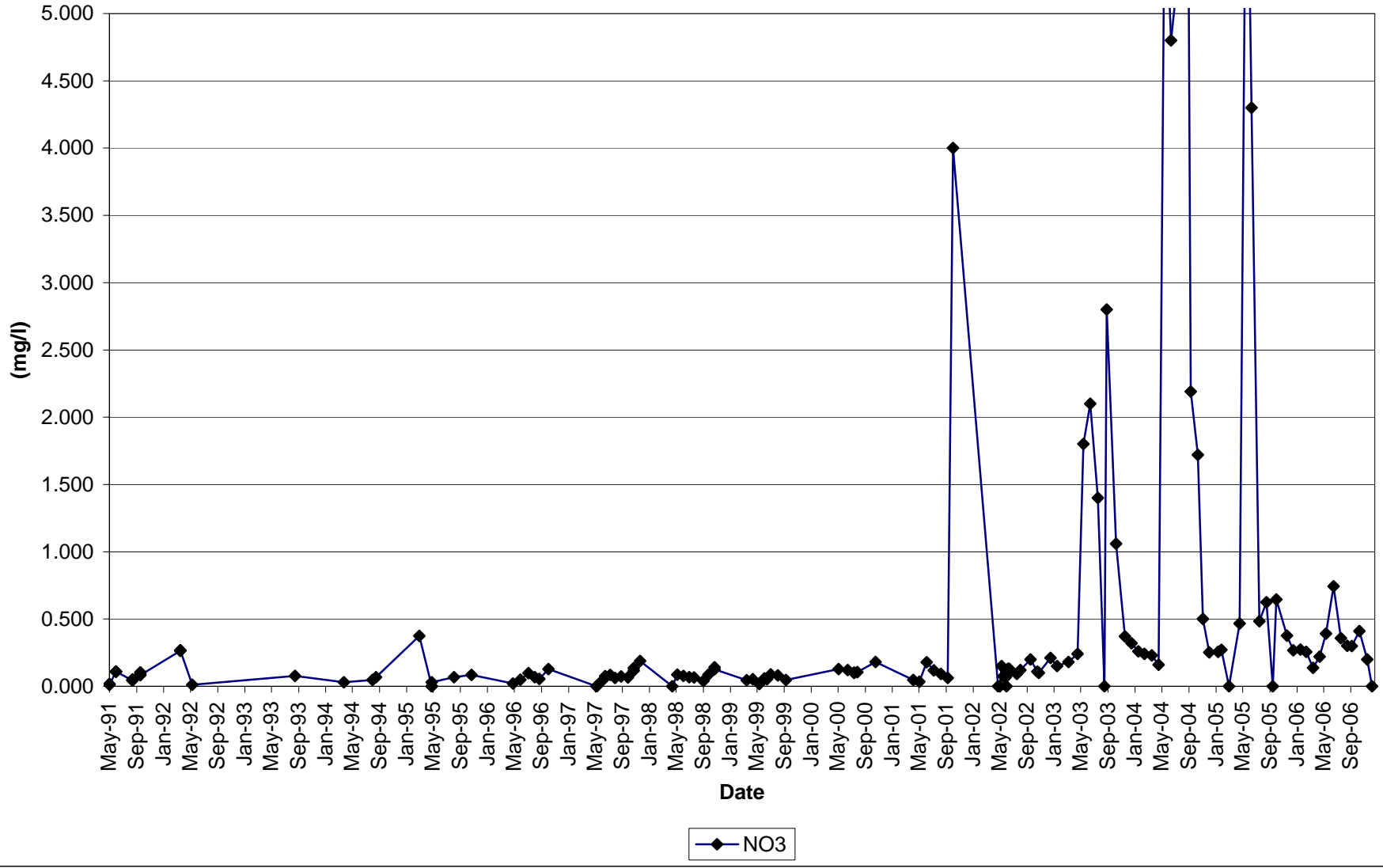
BC-53: Laura Creek 100m downstream of Ditch Road



TSS

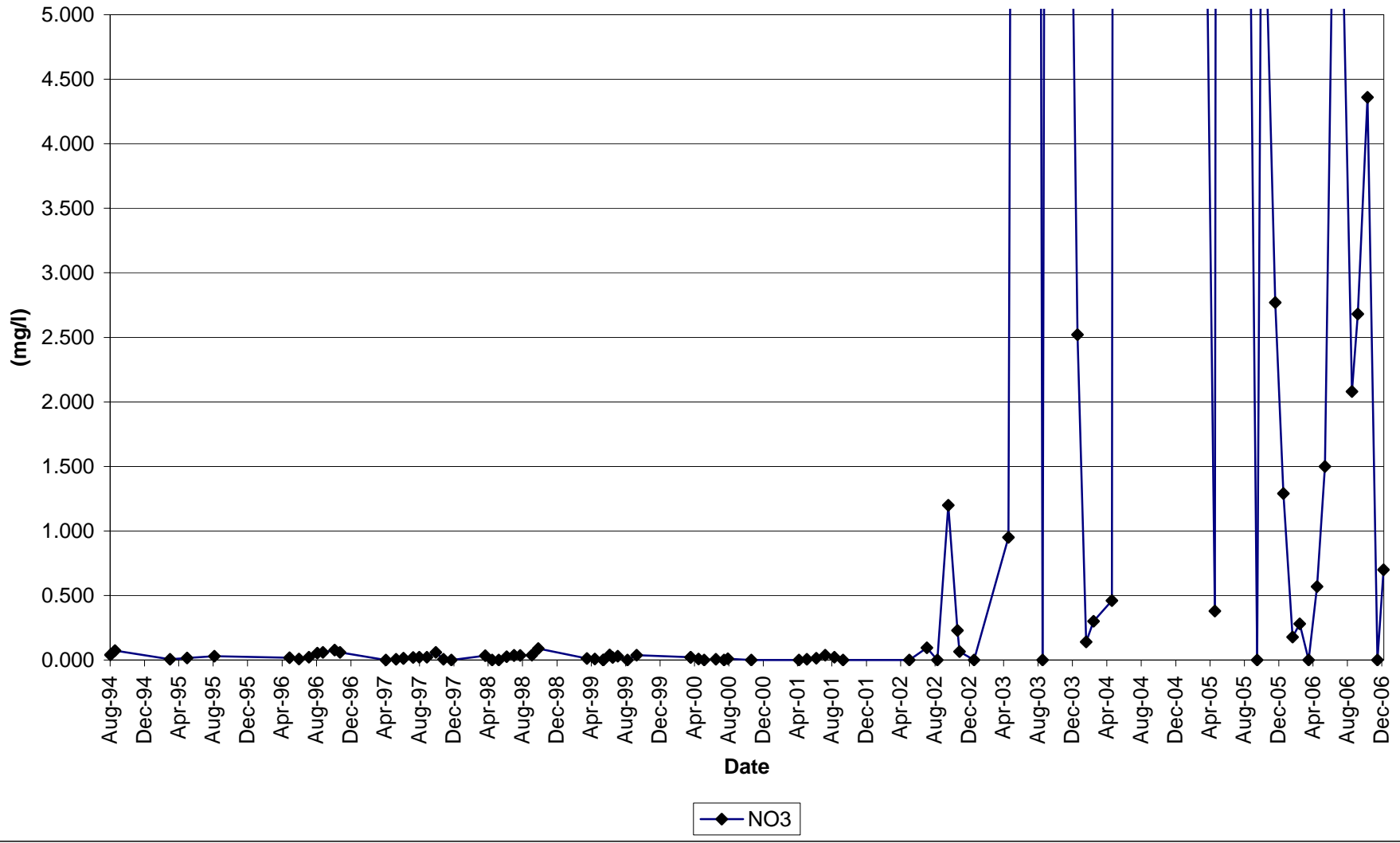
Brewery Creek Mine

BC-01: Laura Creek 50m above Ditch Road



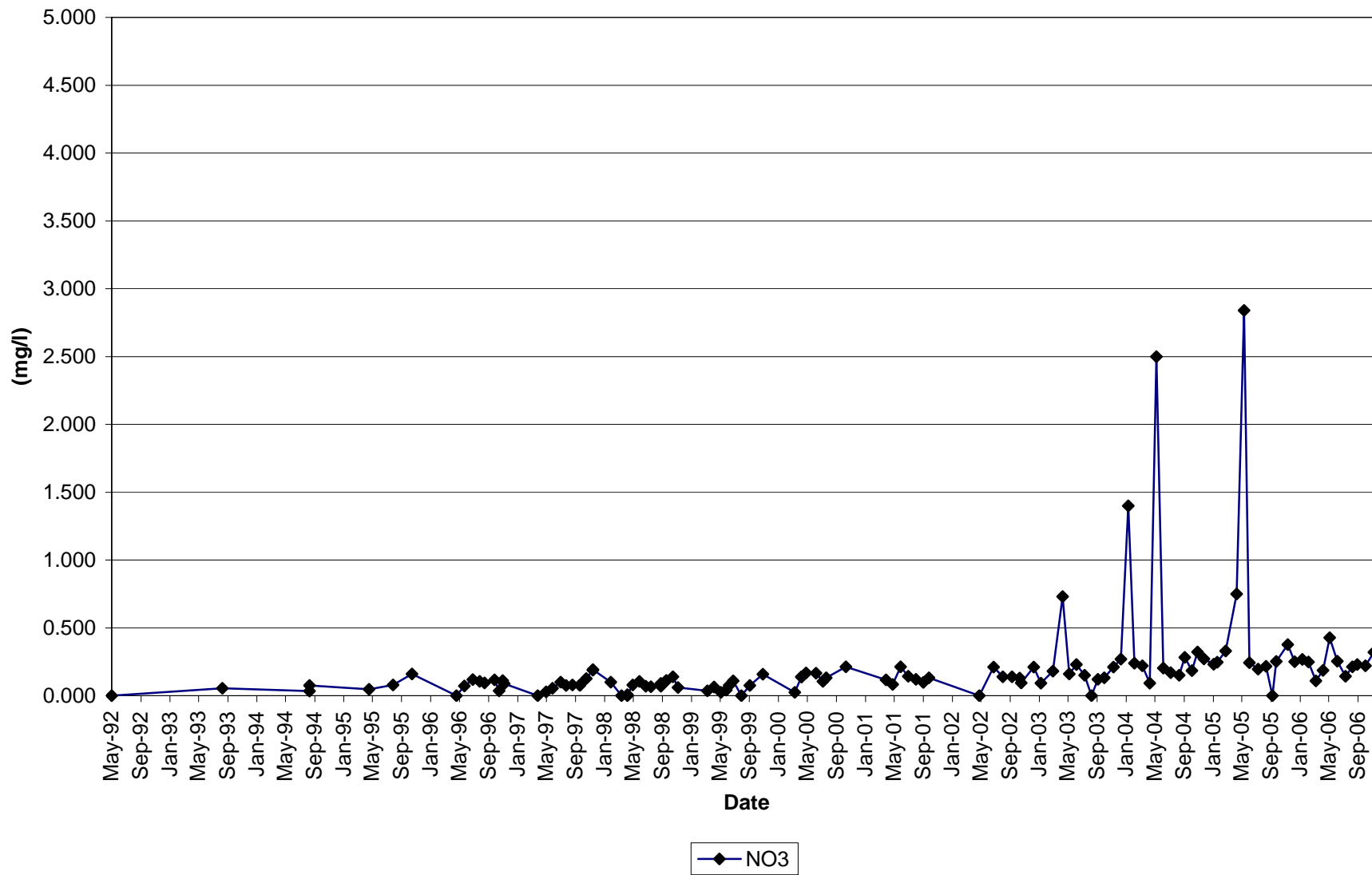
Brewery Creek Mine

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



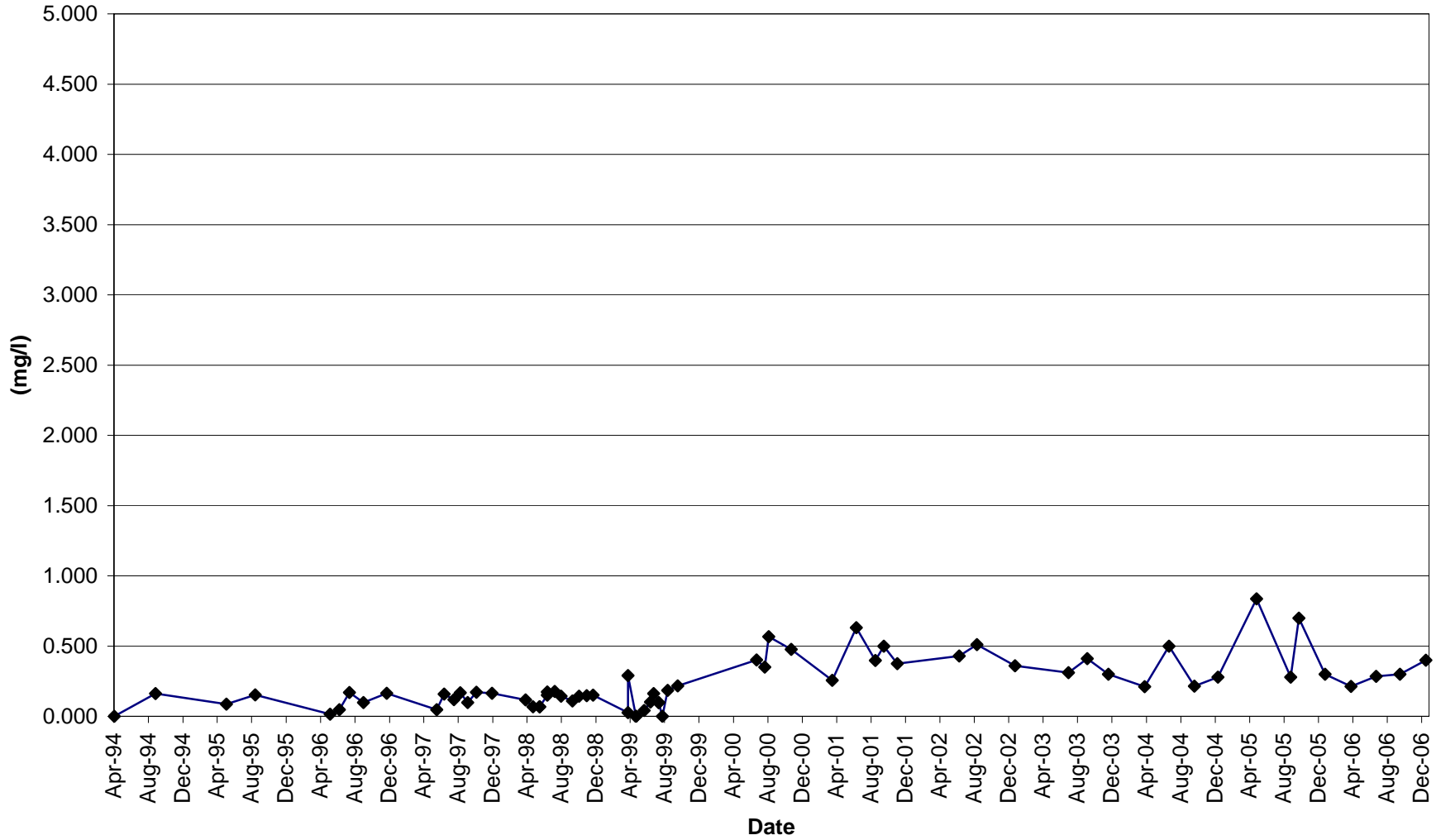
Brewery Creek Mine

BC-03: Laura Creek Above Carolyn Creek



Brewery Creek Mine

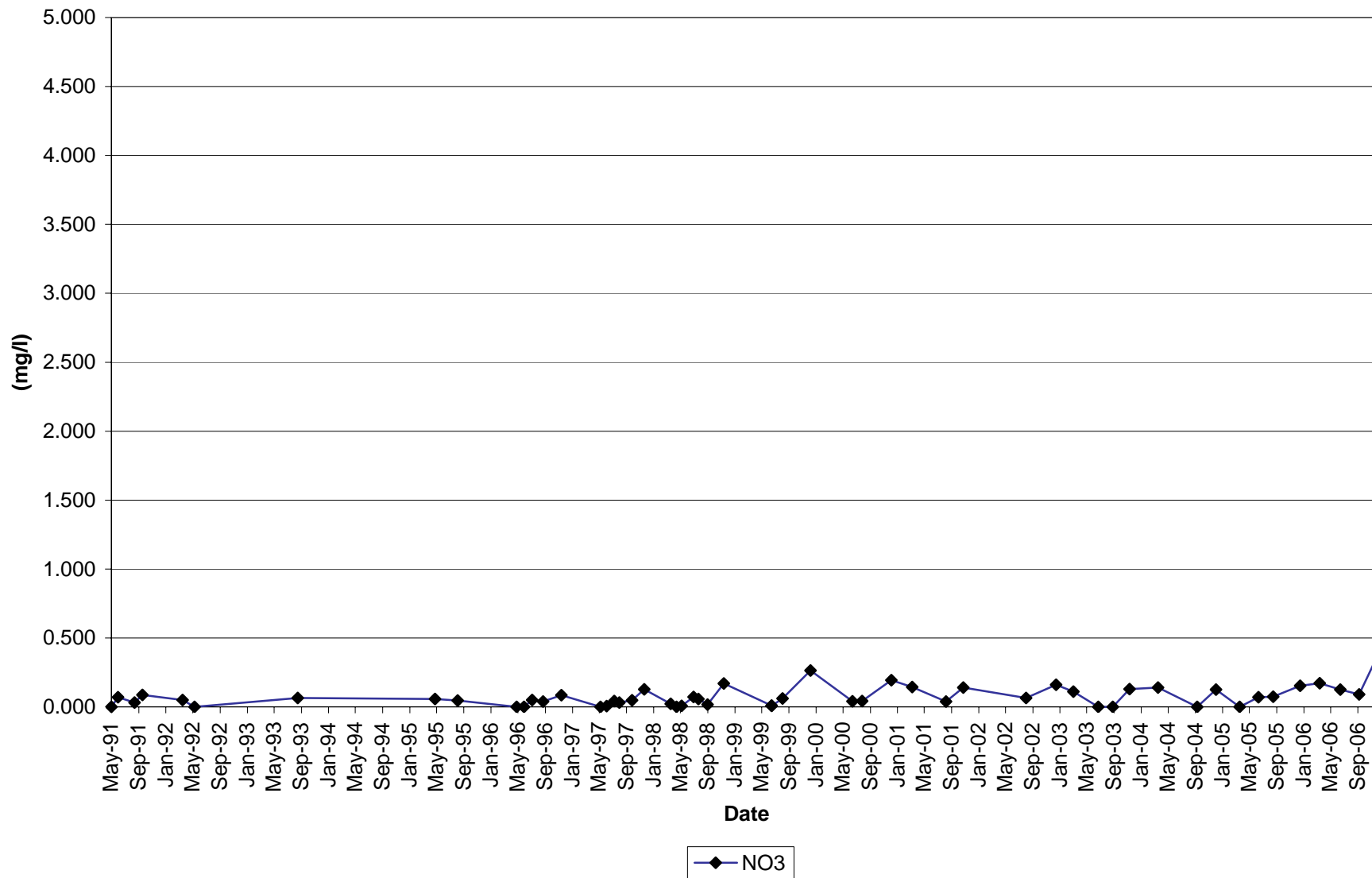
BC-04: Lucky Creek



NO3

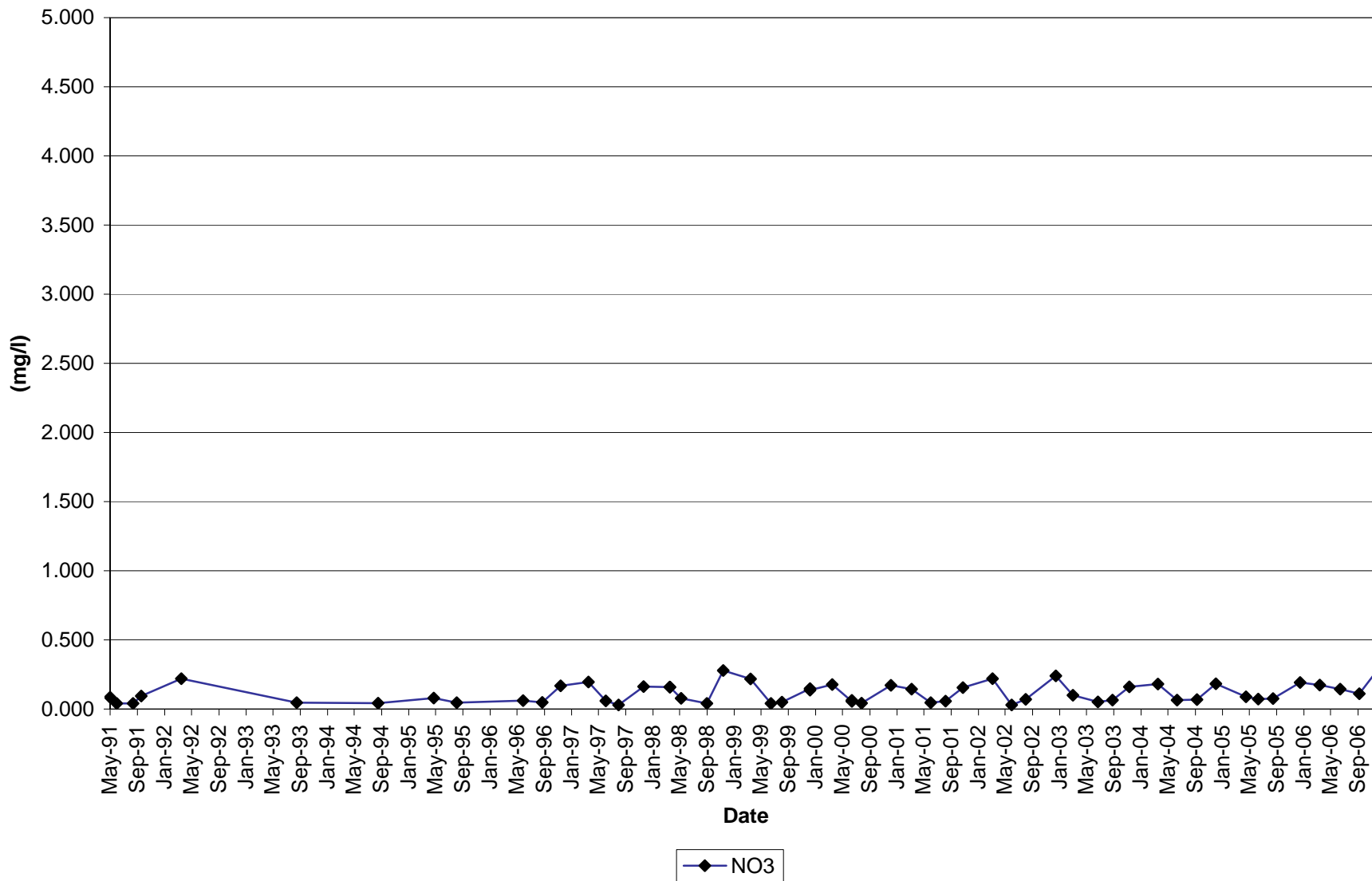
Brewery Creek Mine

BC-05: Pacific Creek above Confluence with Lee Creek



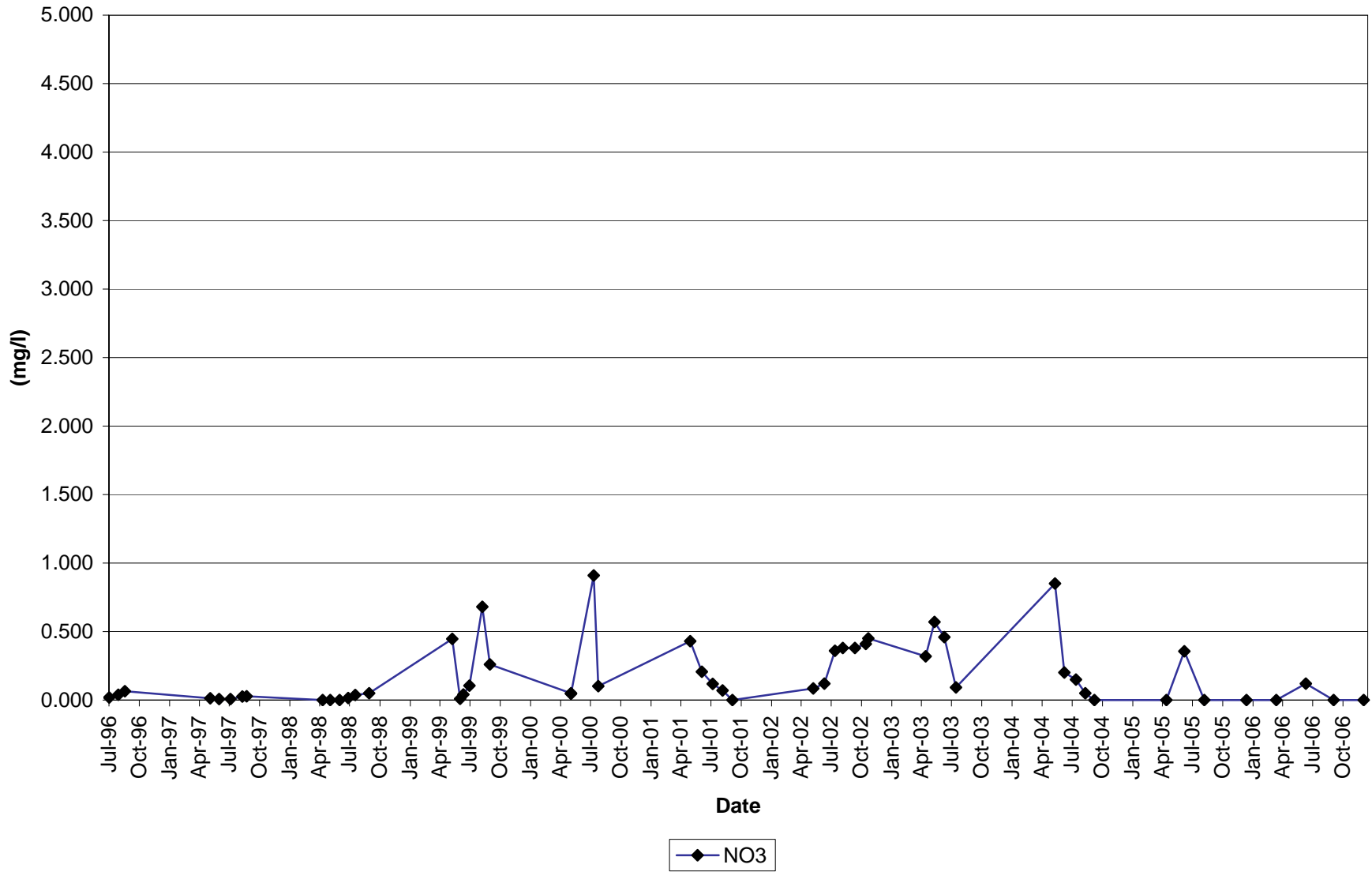
Brewery Creek Mine

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



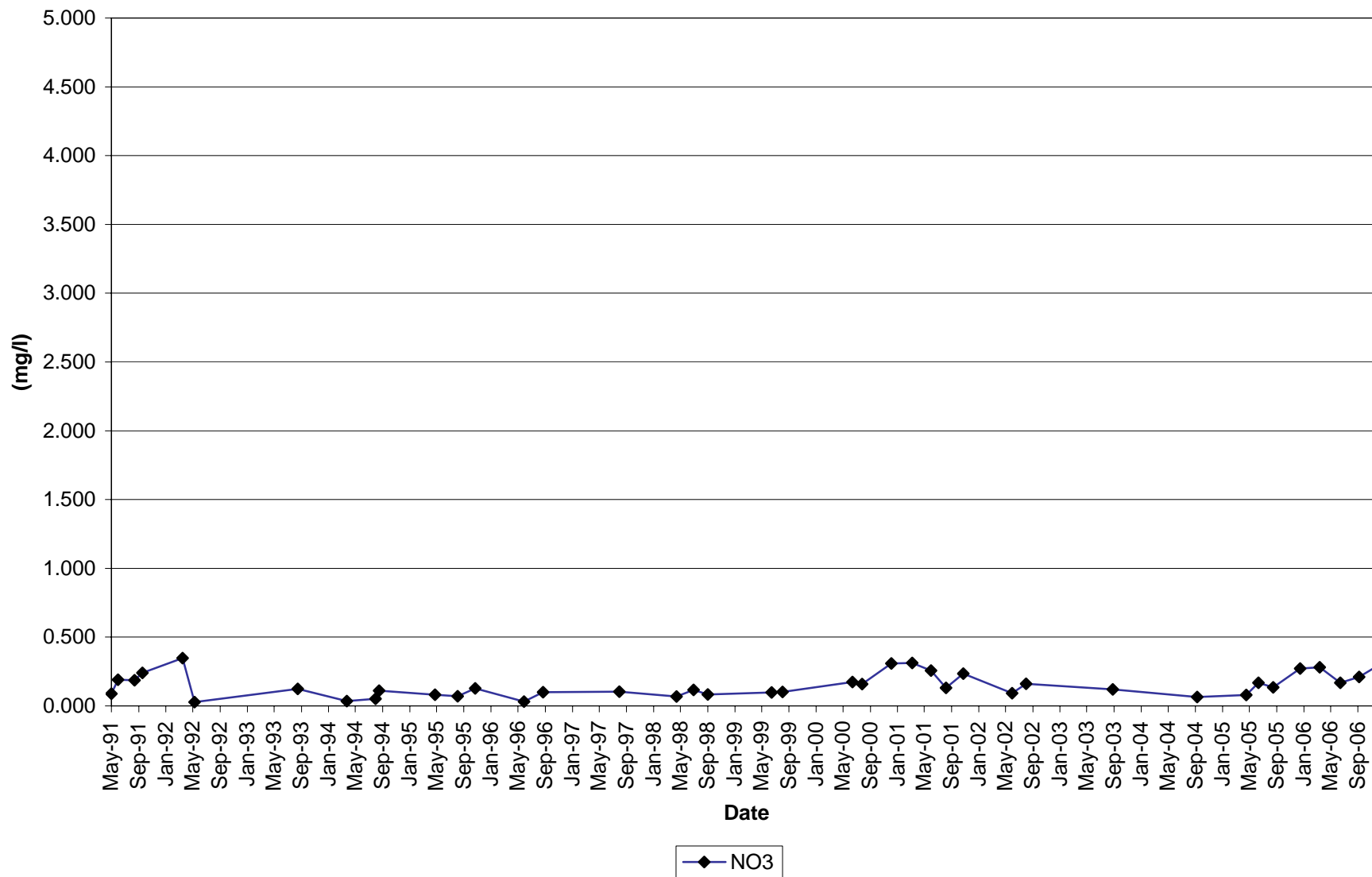
Brewery Creek Mine

BC-16: Pacific Gulch 300m above Laura Creek



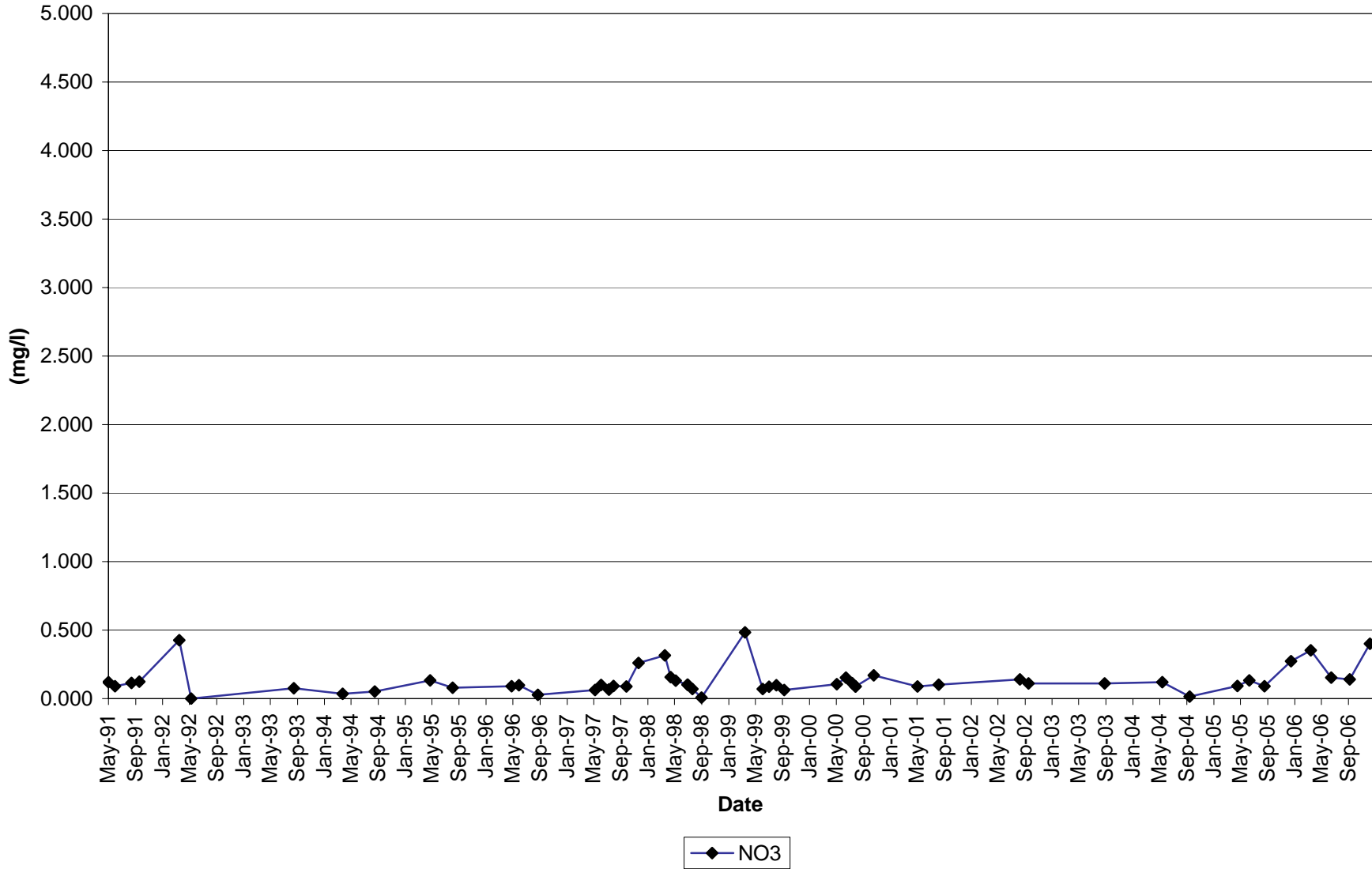
Brewery Creek Mine

BC-31: Golden Cr. Upstream of confluence with S. Klondike



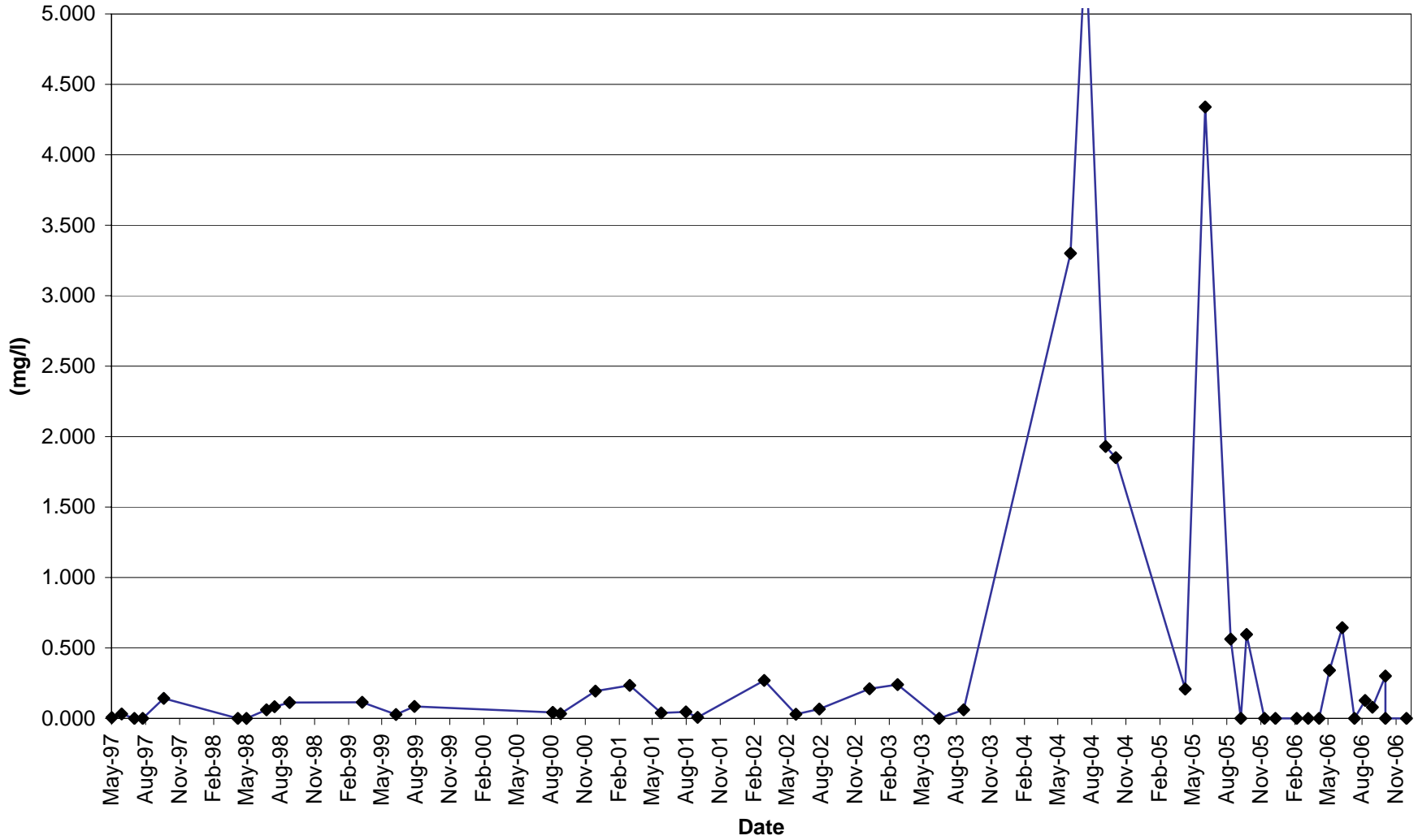
Brewery Creek Mine

BC-34: Lee Creek At Ditch Road



Brewery Creek Mine

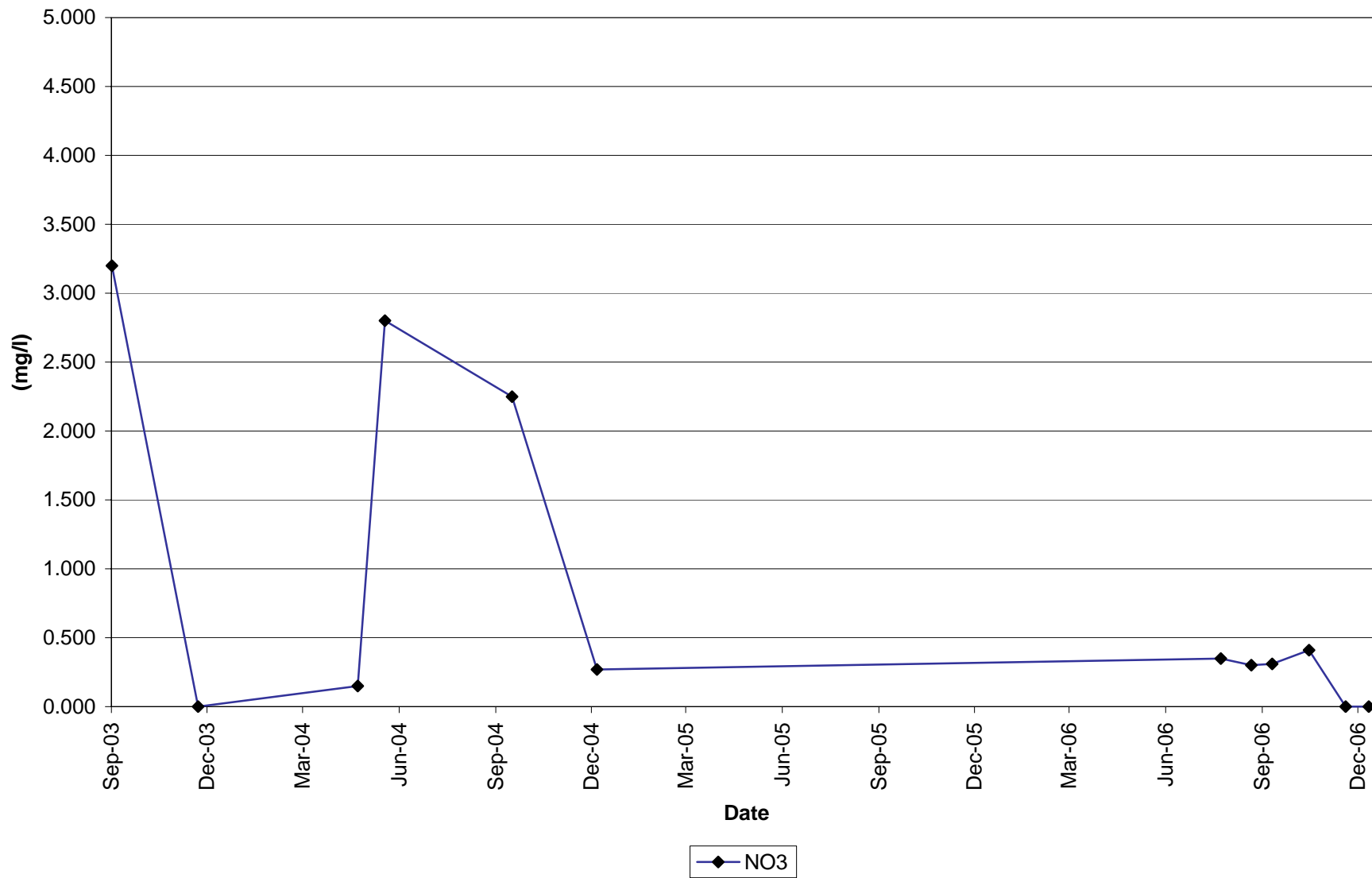
BC-39: Laura Creek at confluence with S. Klondike



◆ NO3

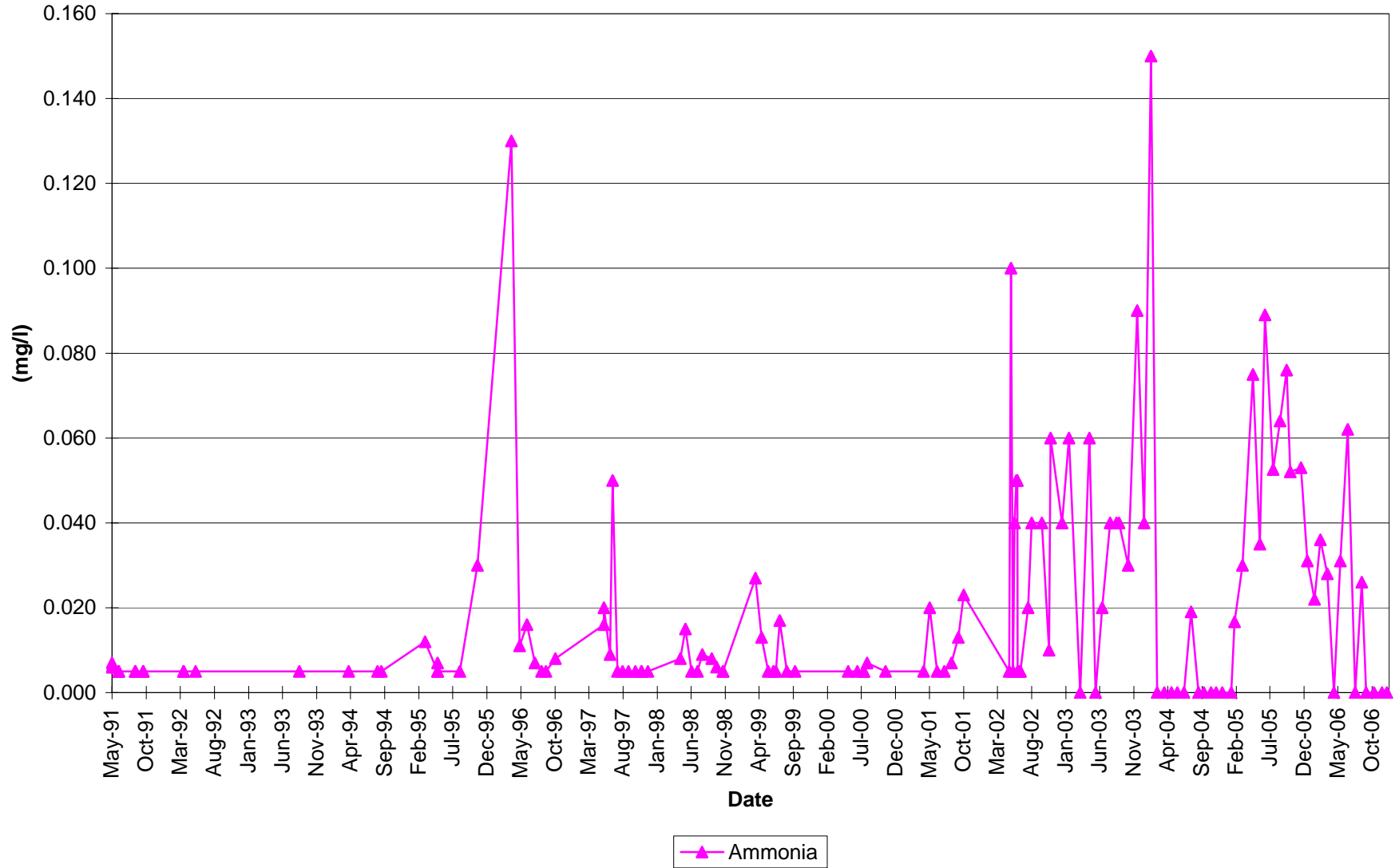
Brewery Creek Mine

BC-53: Laura Creek 100m downstream of Ditch Road



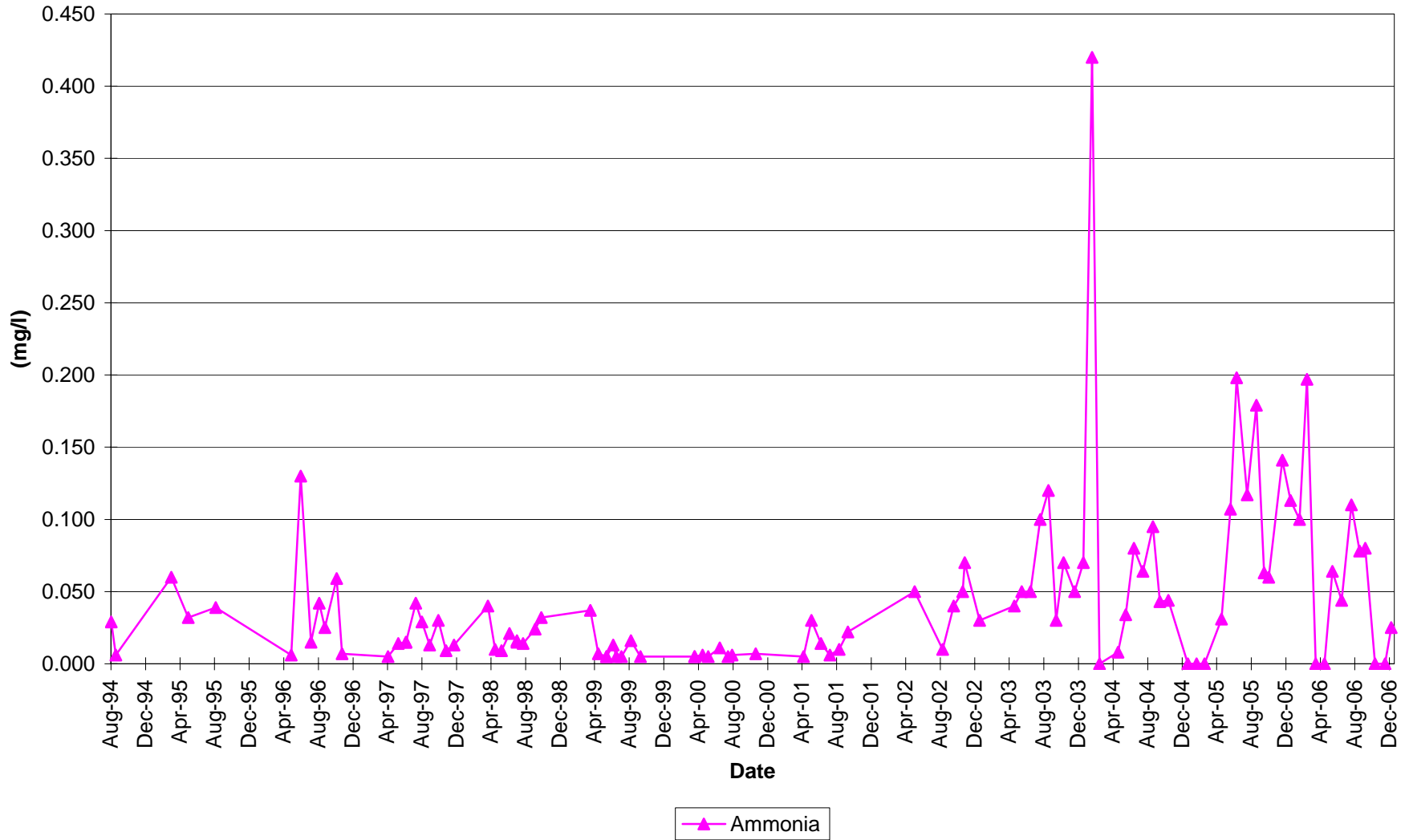
Brewery Creek Mine

BC-01: Laura Creek 50m above Ditch Road



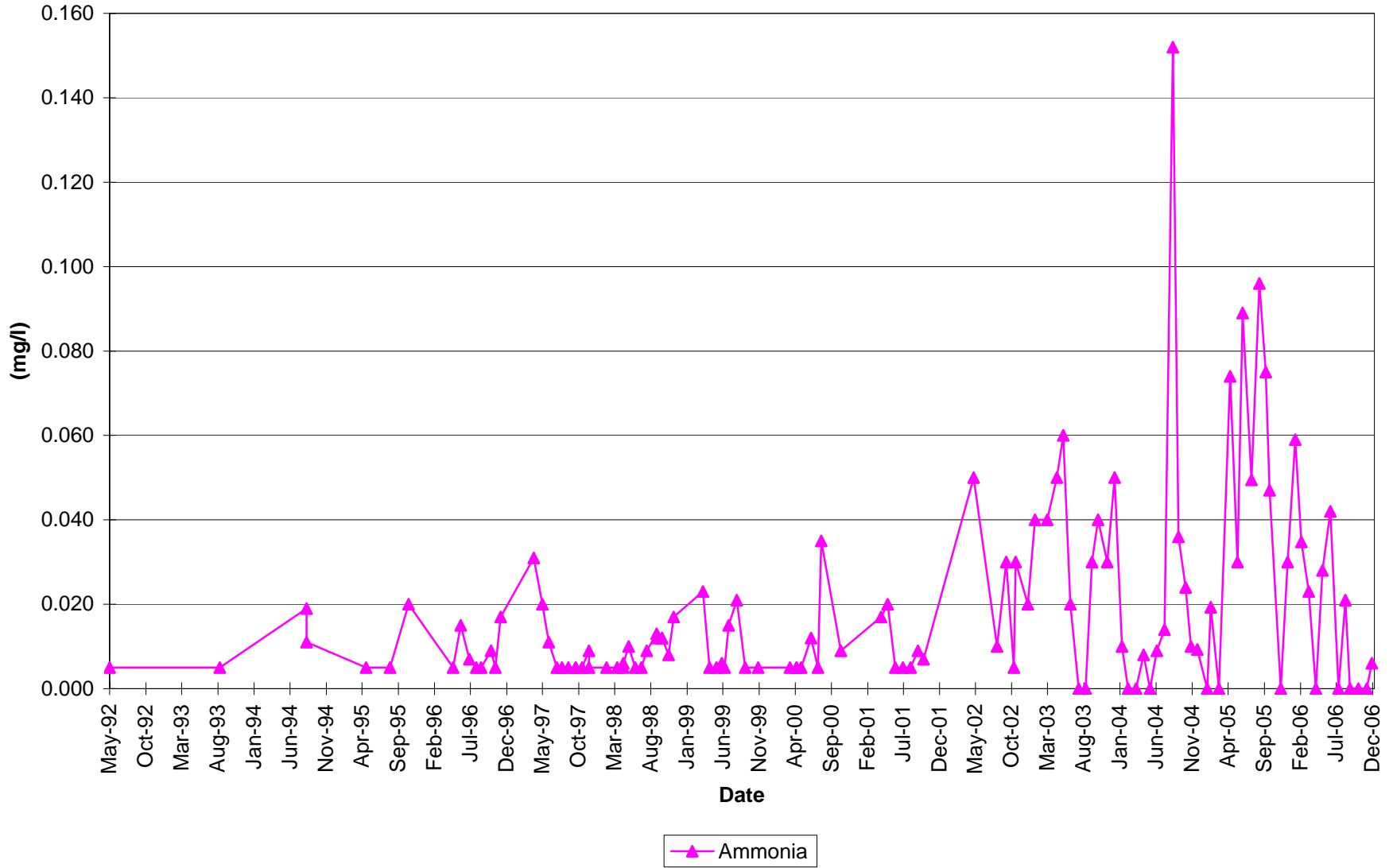
Brewery Creek Mine

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



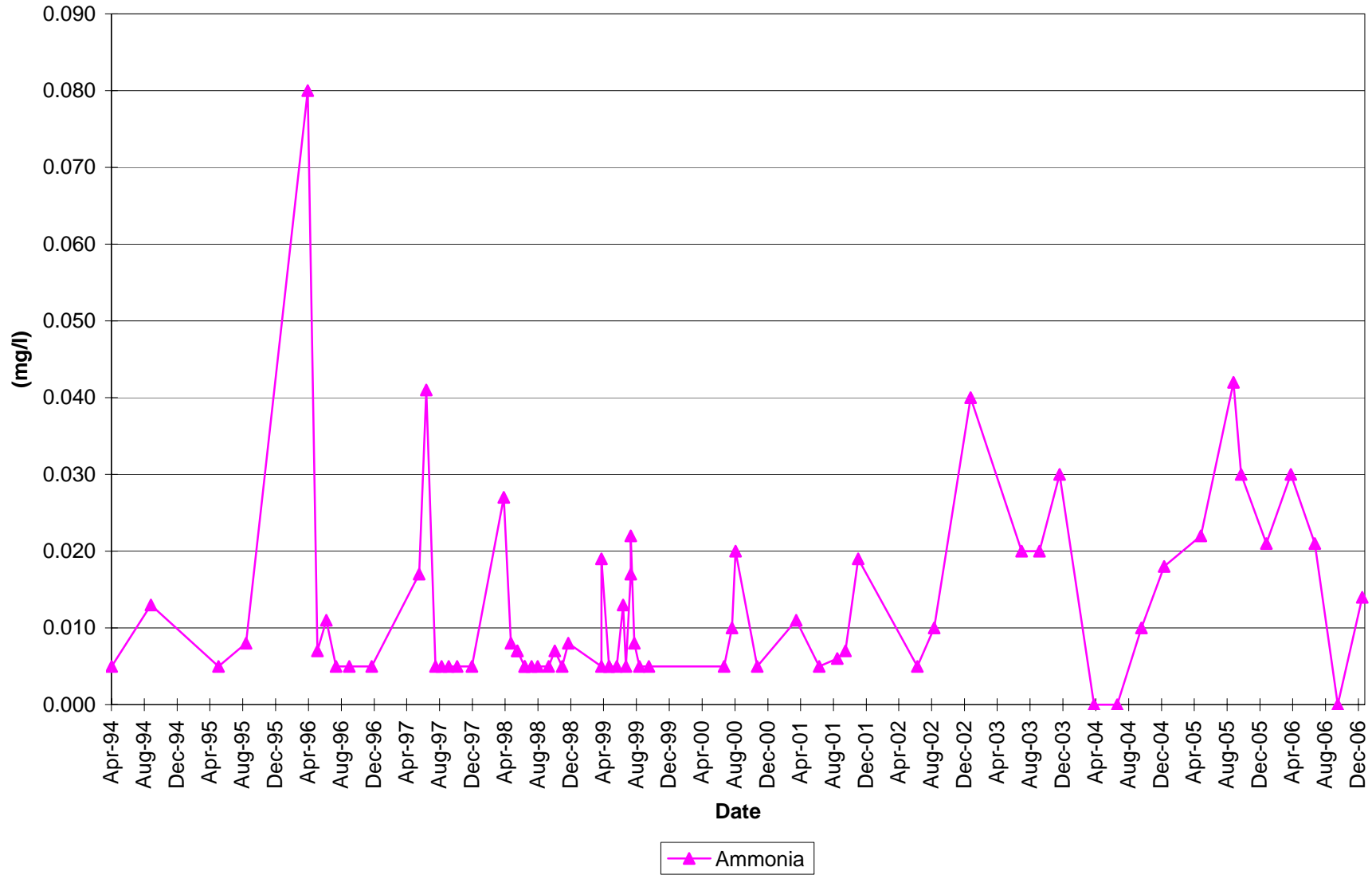
Brewery Creek Mine

BC-03: Laura Creek Above Carolyn Creek



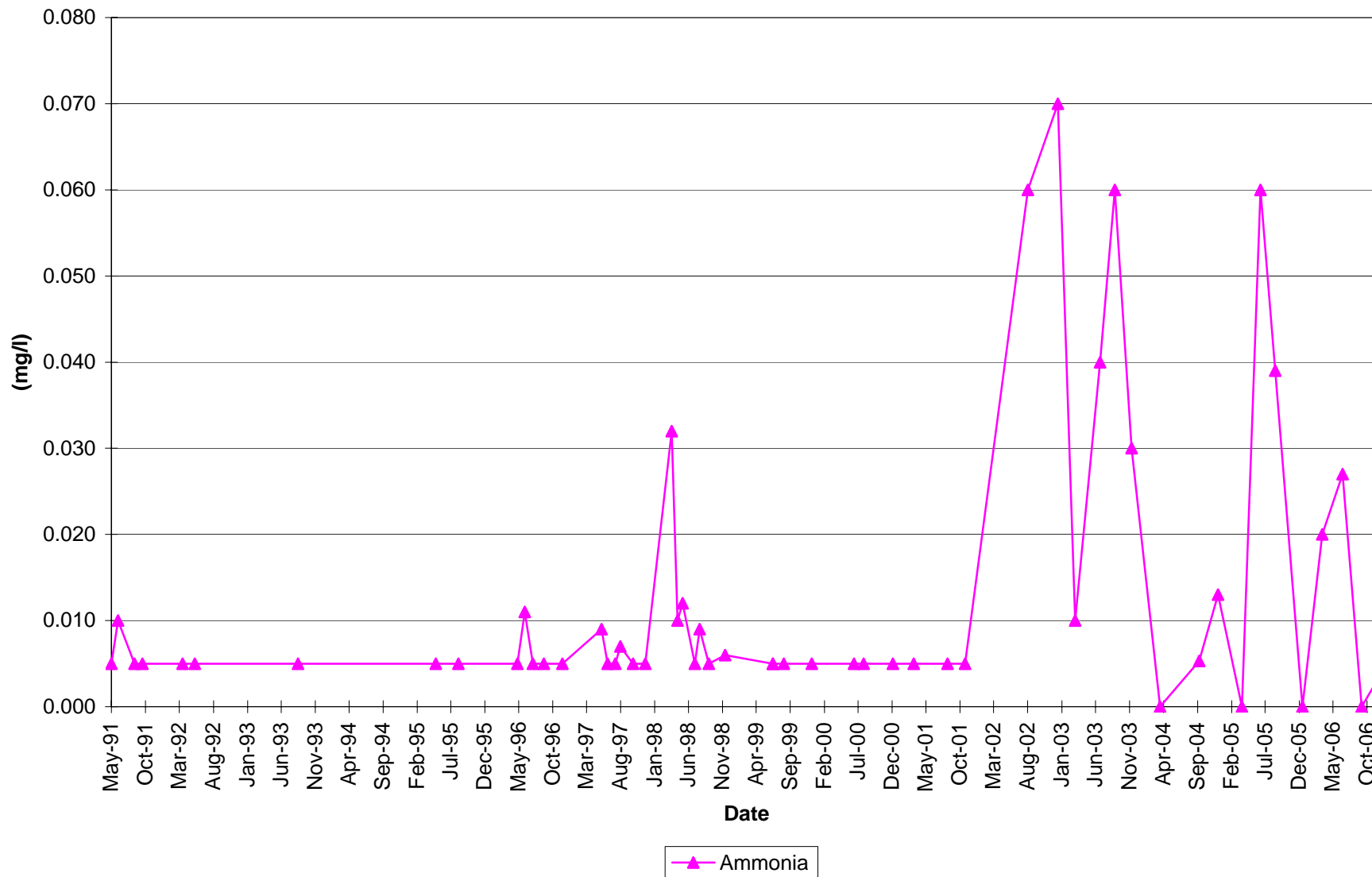
Brewery Creek Mine

BC-04: Lucky Creek



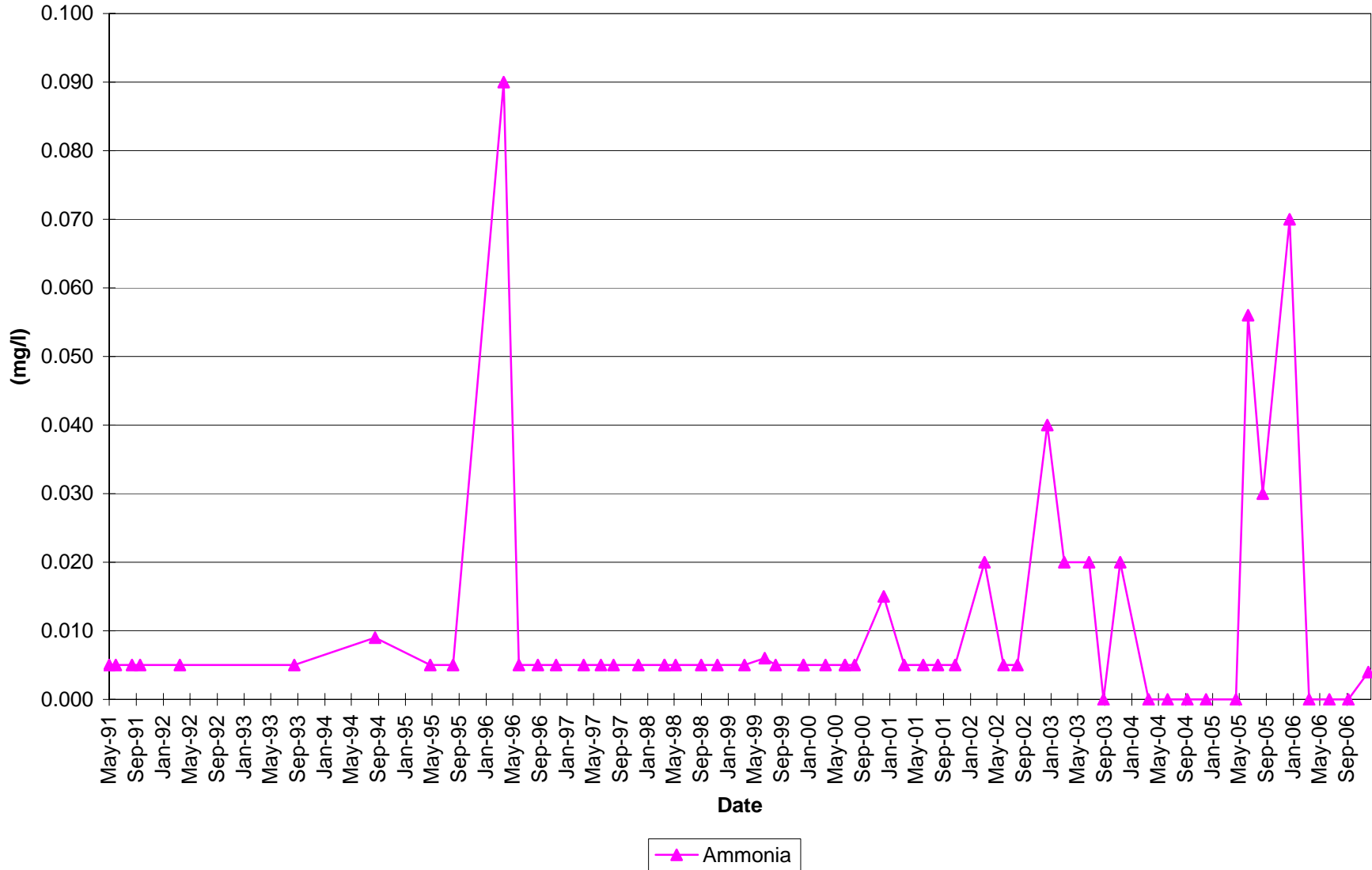
Brewery Creek Mine

BC-05: Pacific Creek above Confluence with Lee Creek



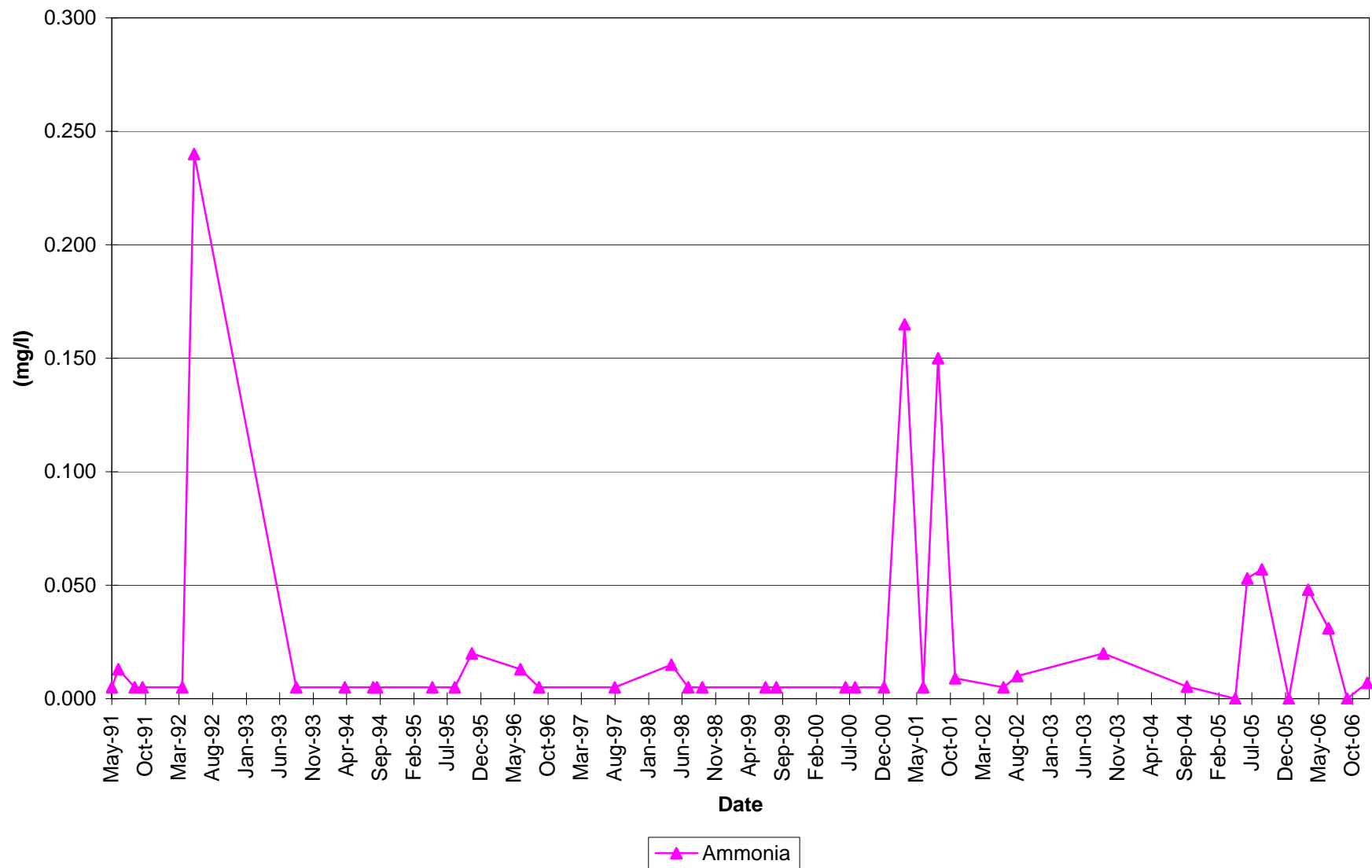
Brewery Creek Mine

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



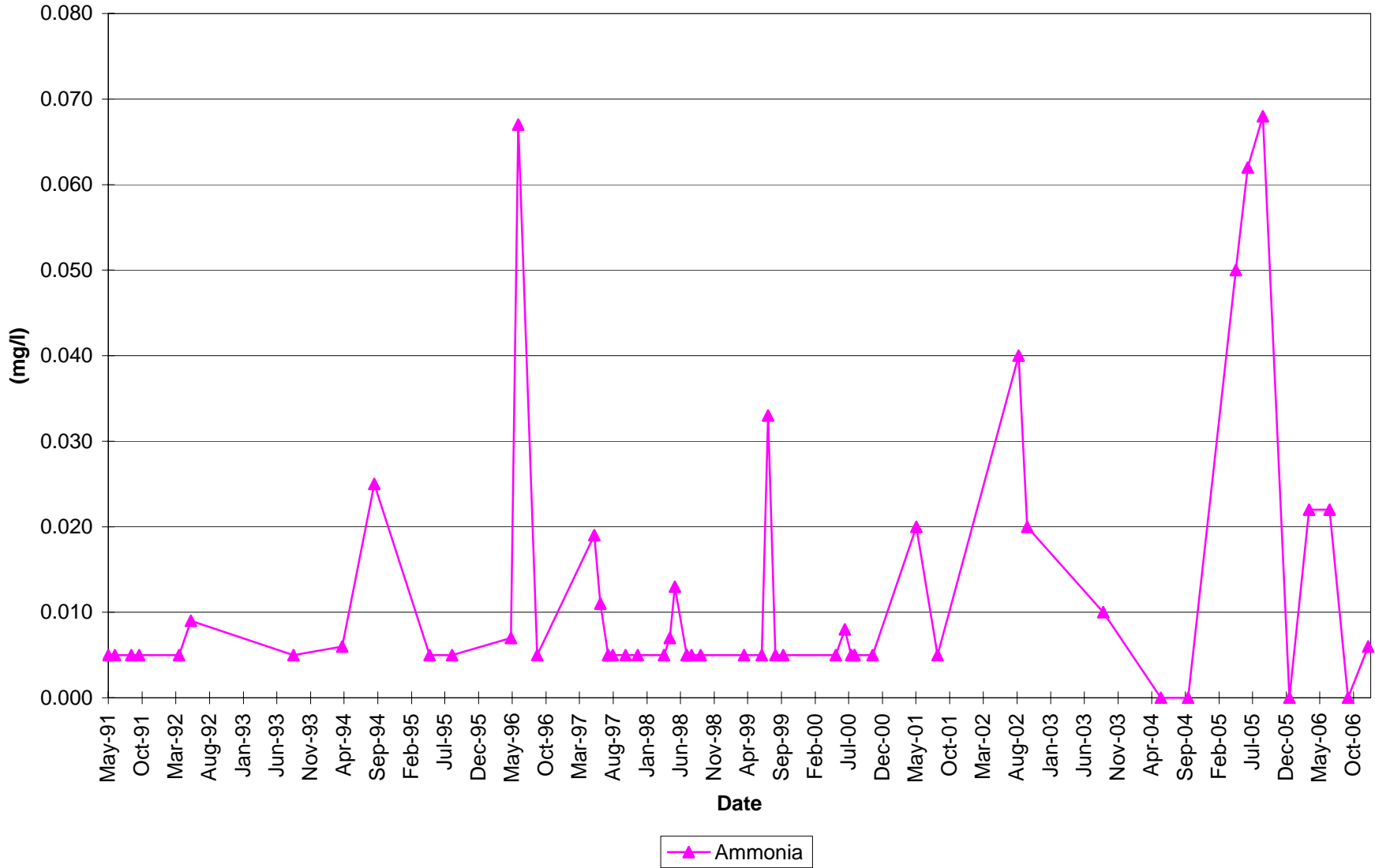
Brewery Creek Mine

BC-31: Golden Cr. Upstream of confluence with S. Klondike



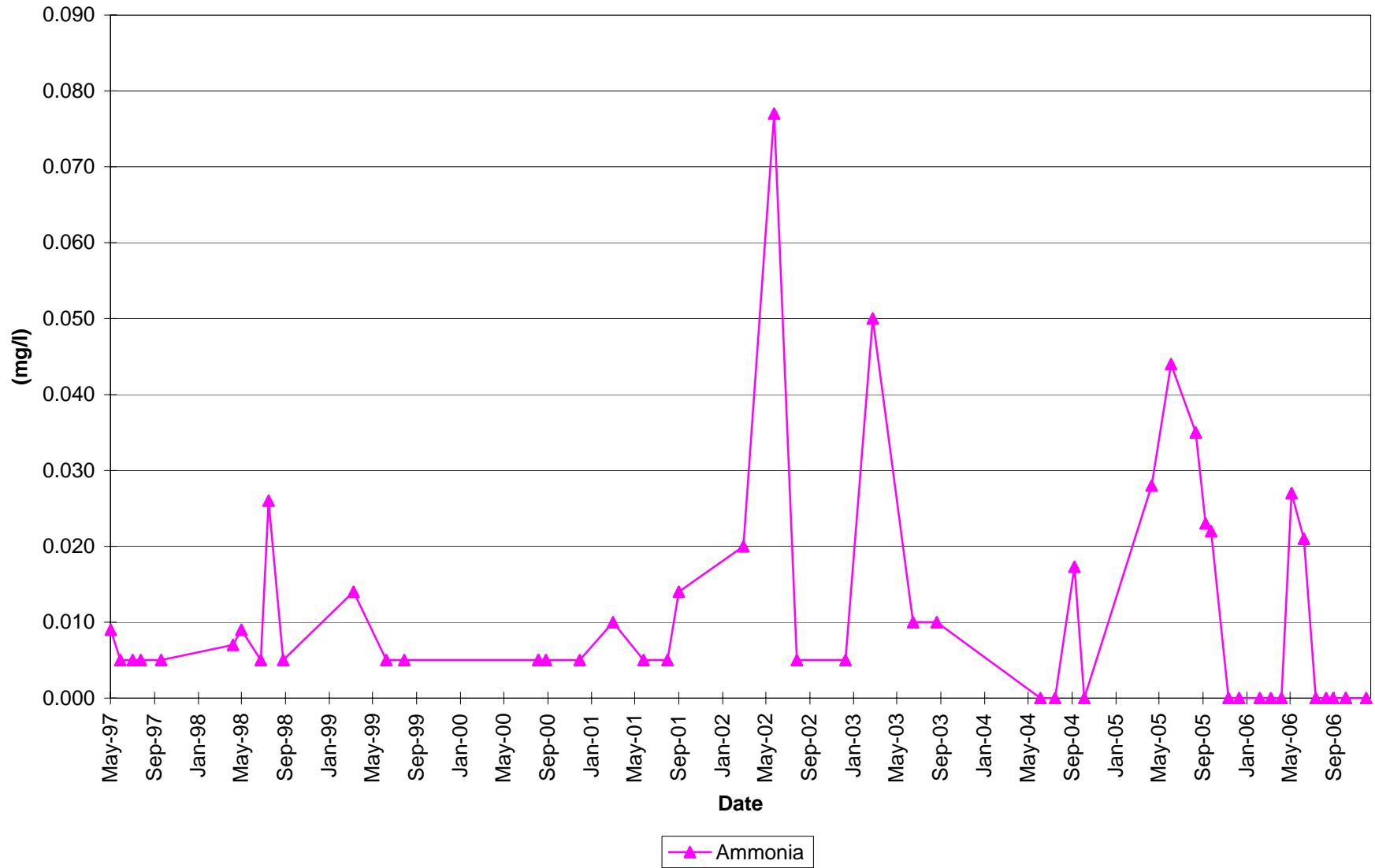
Brewery Creek Mine

BC-34: Lee Creek At Ditch Road



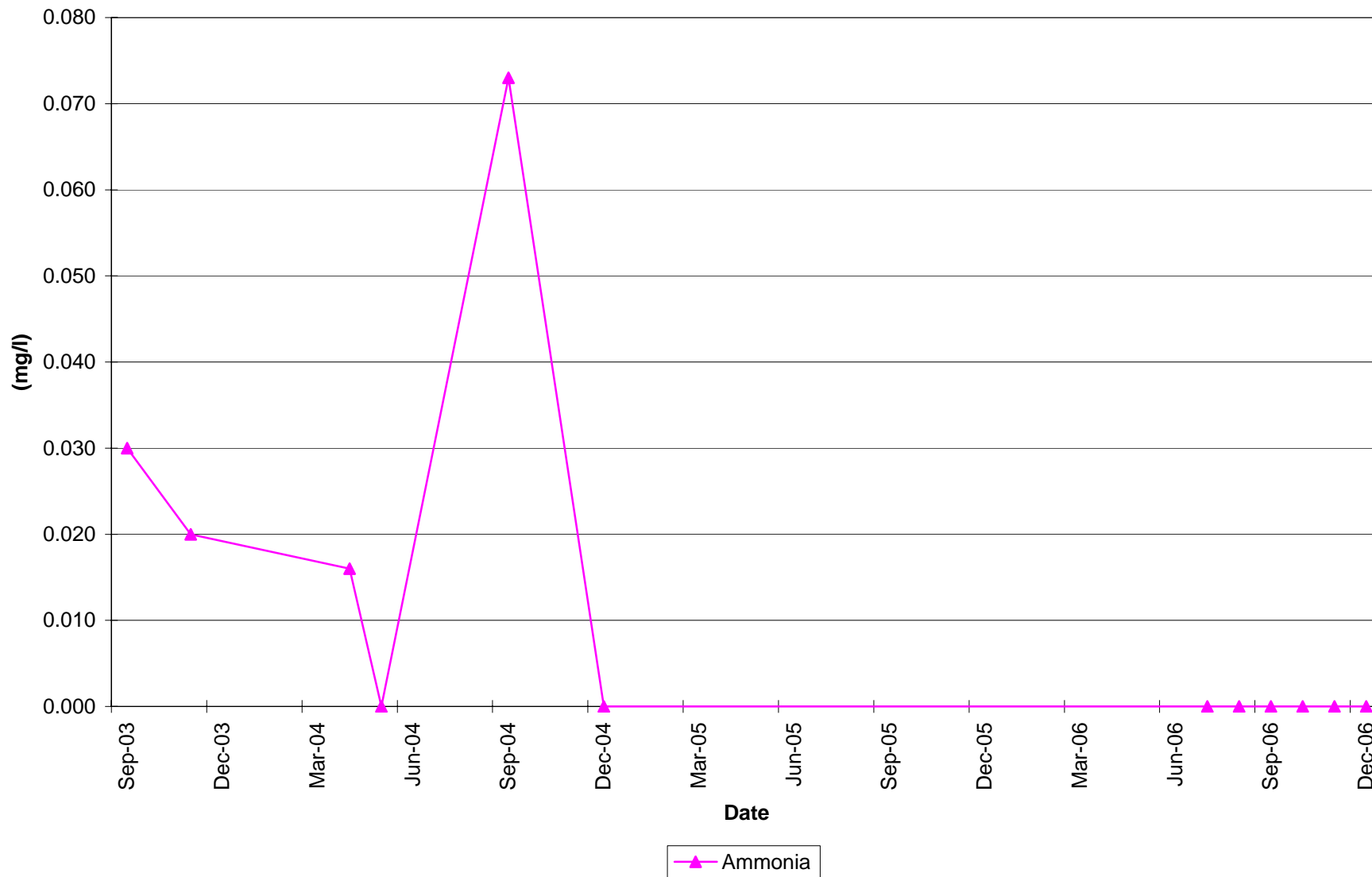
Brewery Creek Mine

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



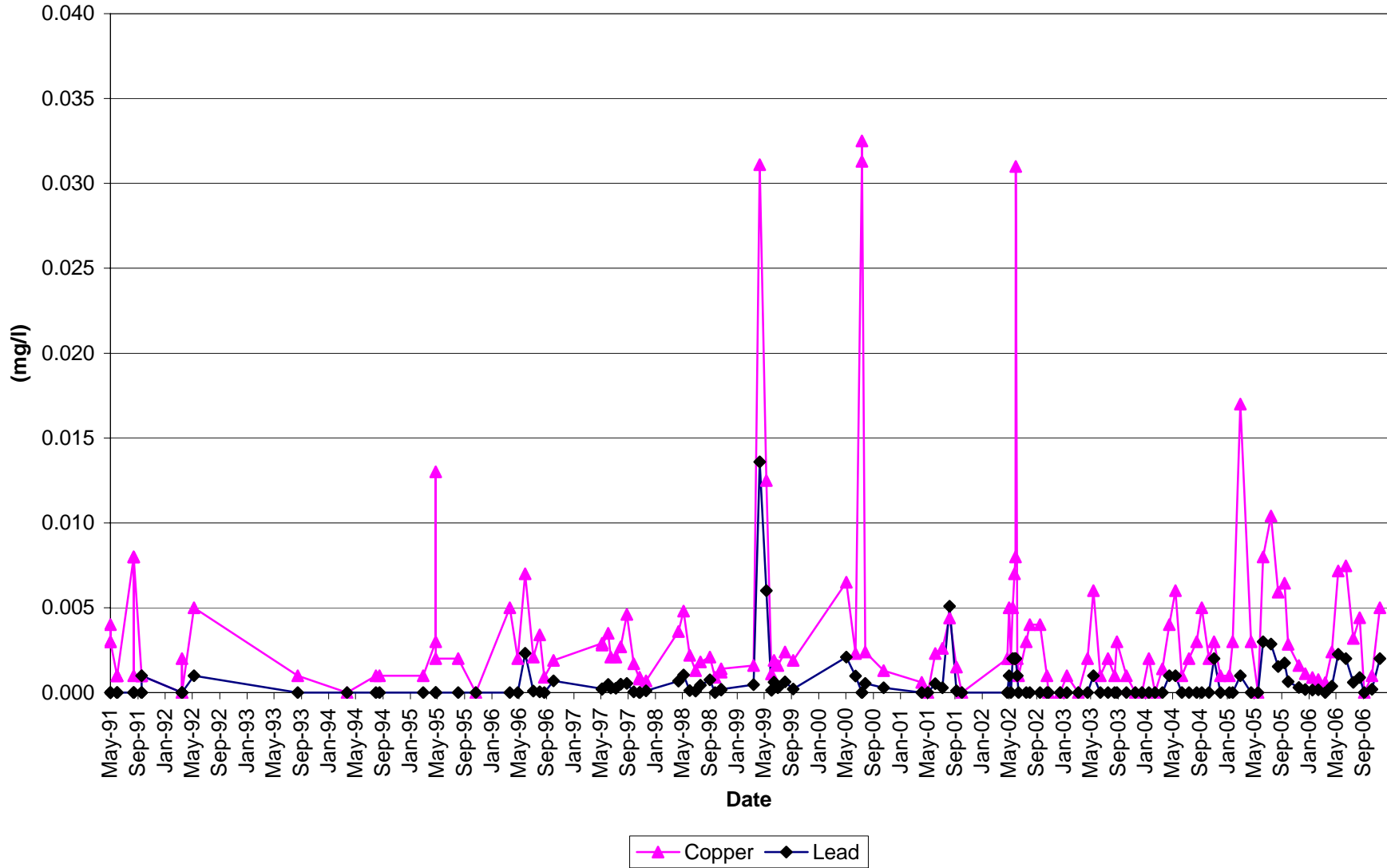
Brewery Creek Mine

BC-53: Laura Creek 100m downstream of the Ditch Road



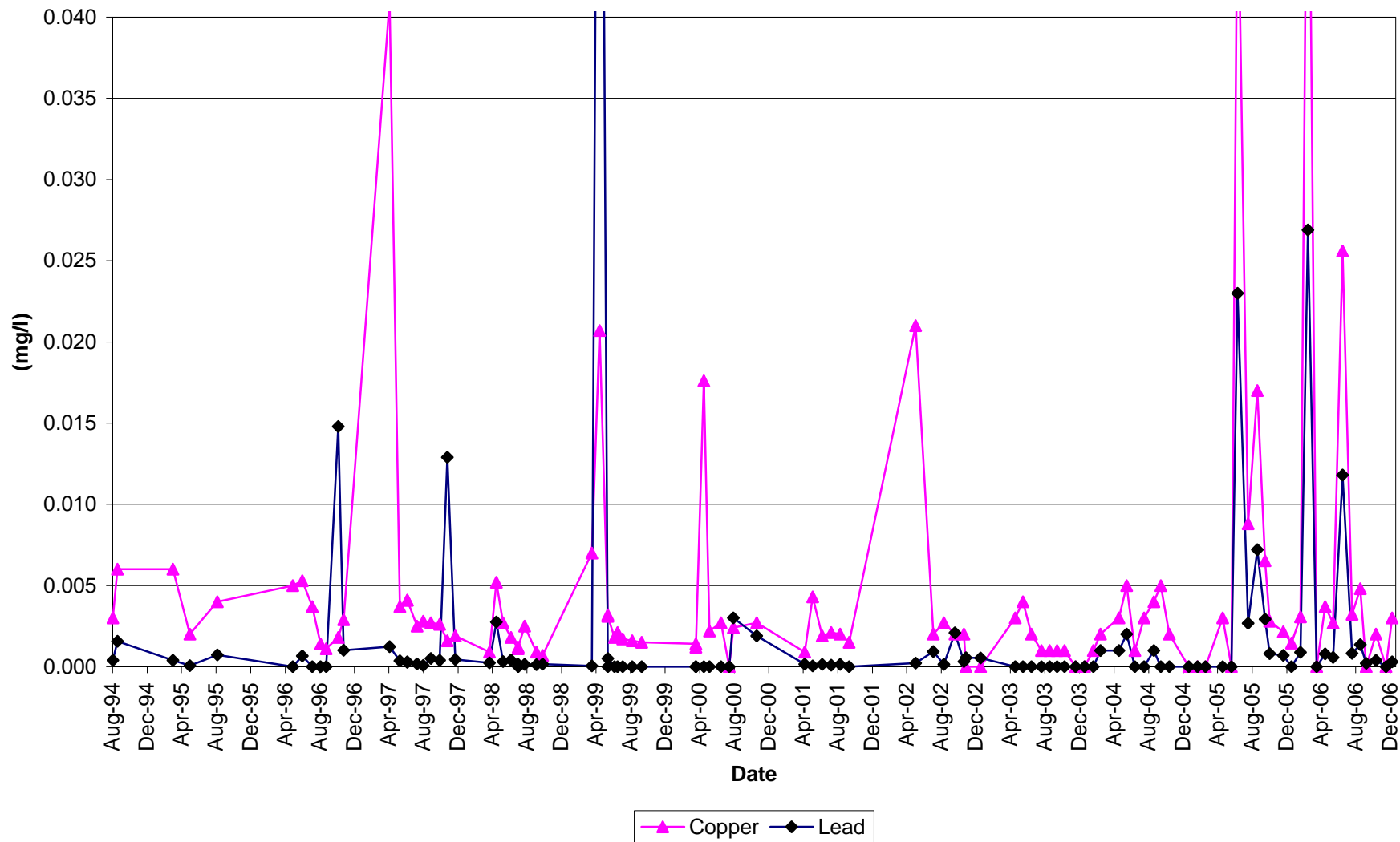
Brewery Creek Mine

BC-01: Laura Creek 50m above Ditch Road



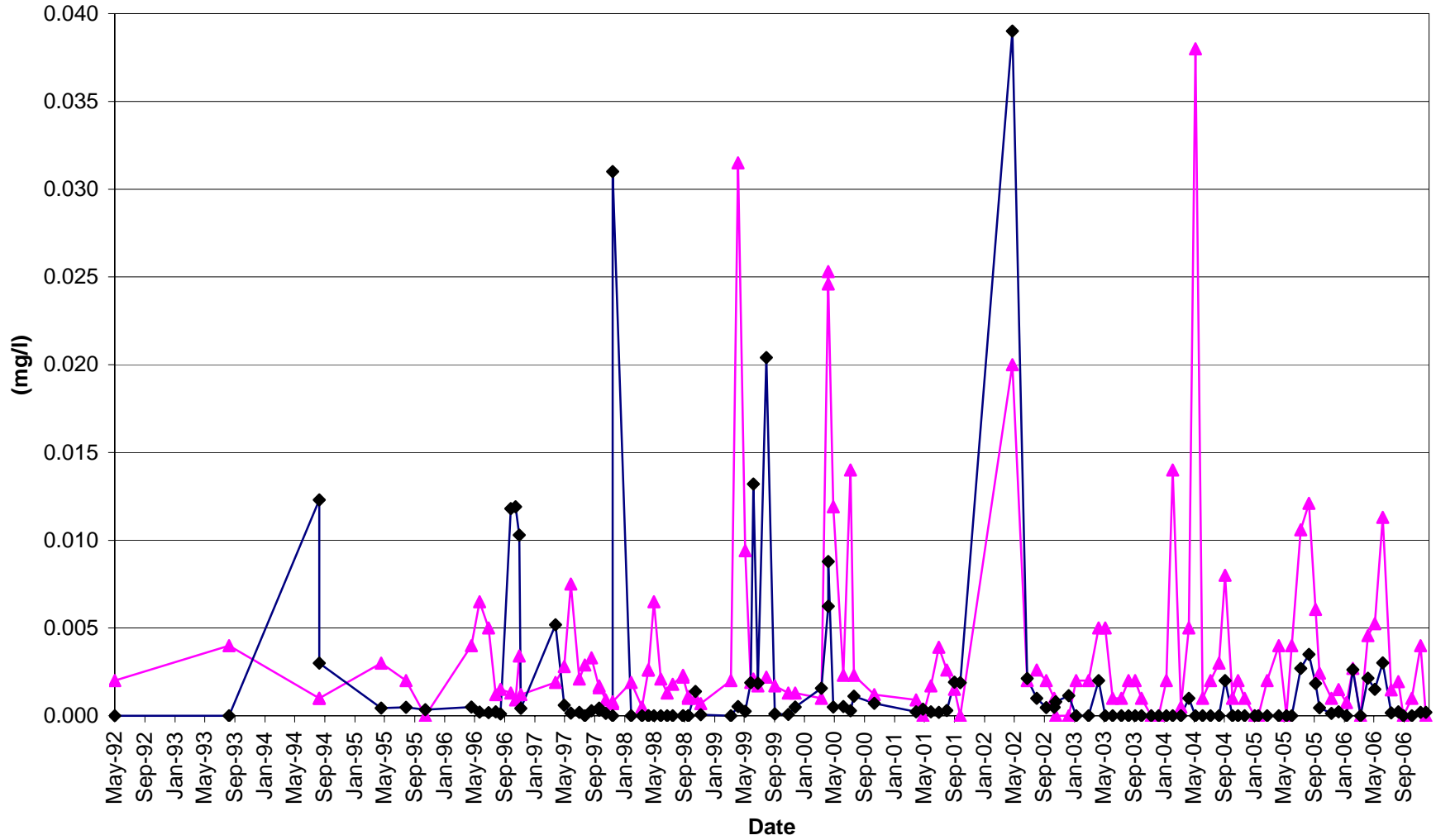
Brewery Creek Mine

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



Brewery Creek Mine

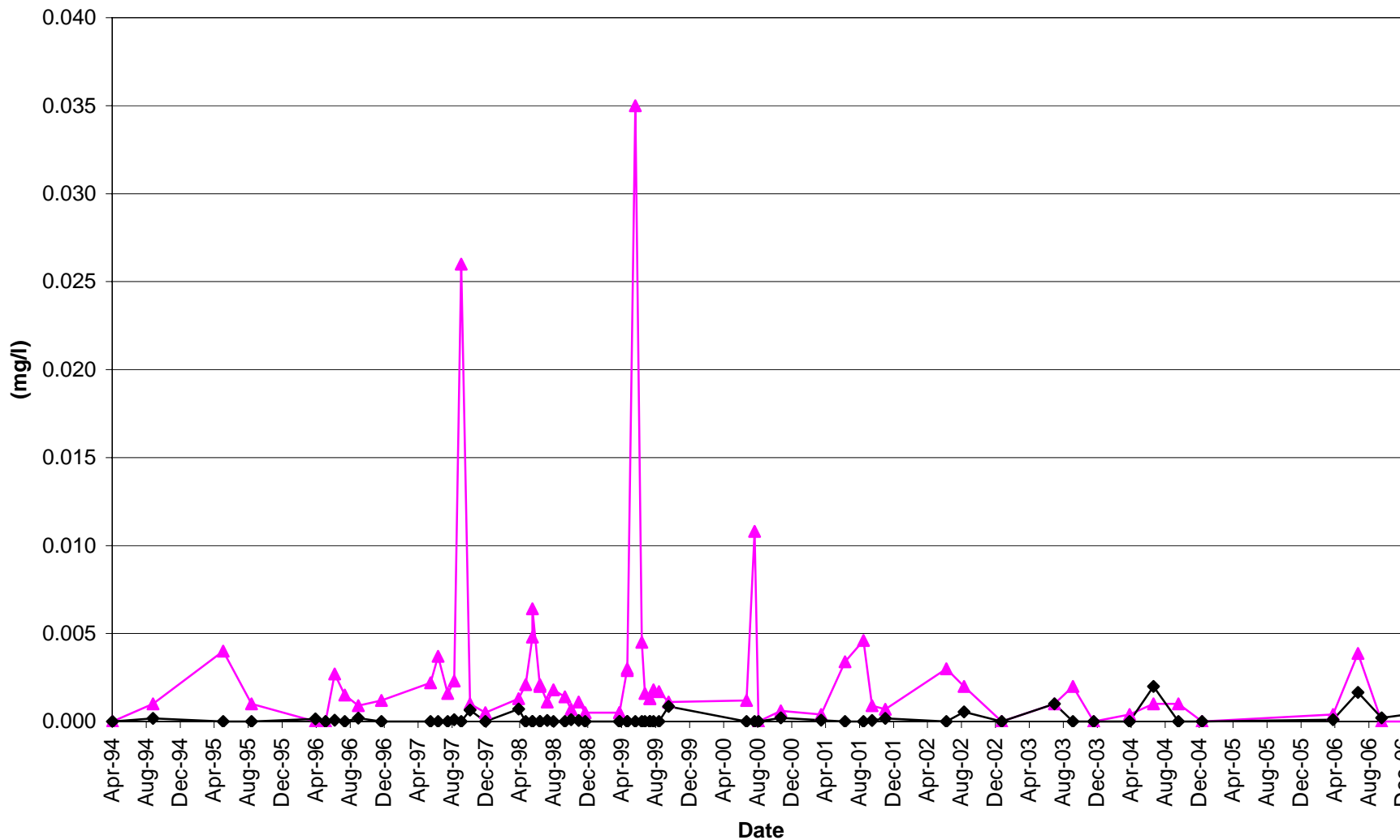
BC-03: Laura Creek Above Carolyn Creek



—▲— Copper —◆— Lead

Brewery Creek Mine

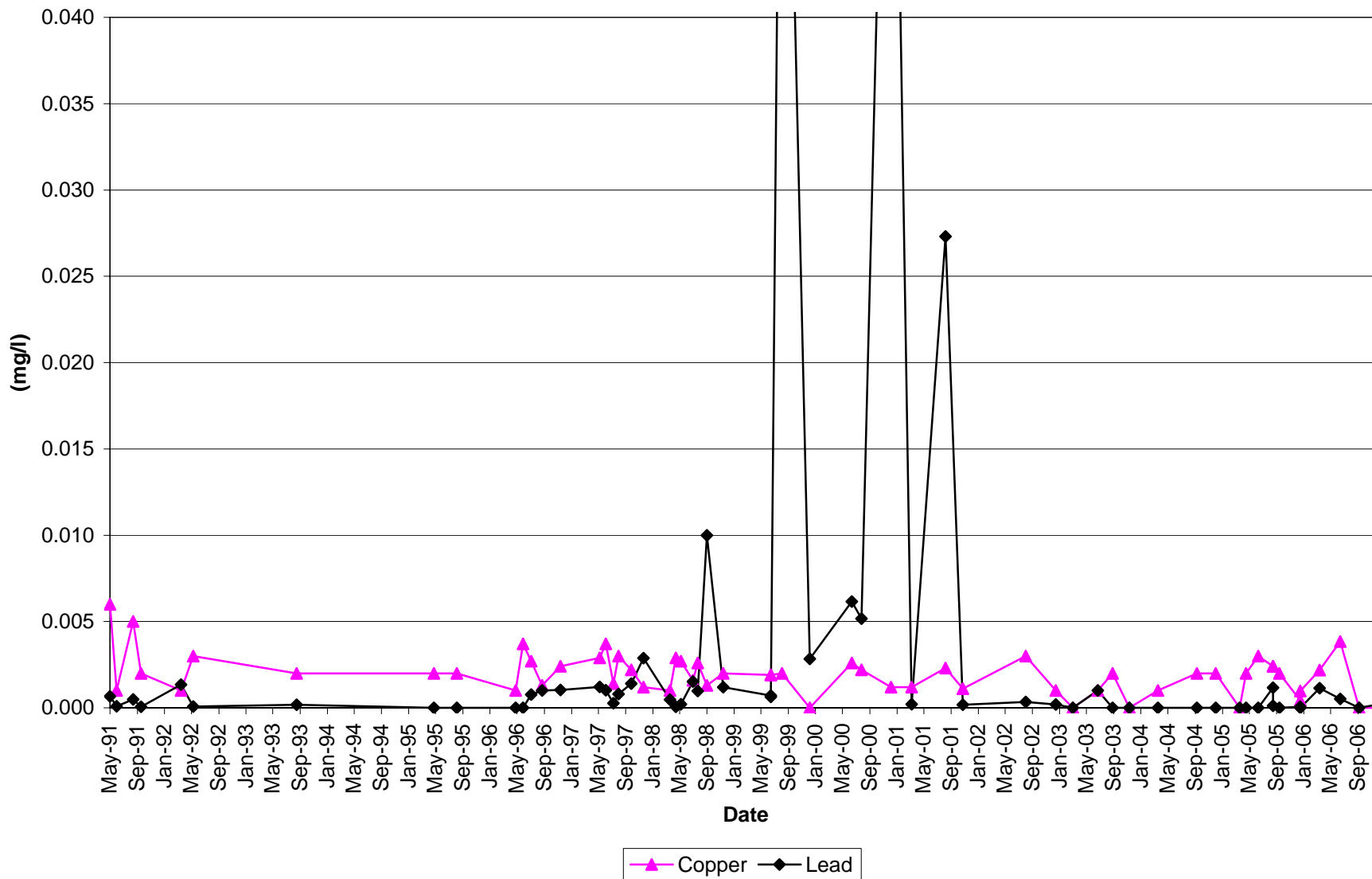
BC-04: Lucky Creek



▲ Copper ◆ Lead

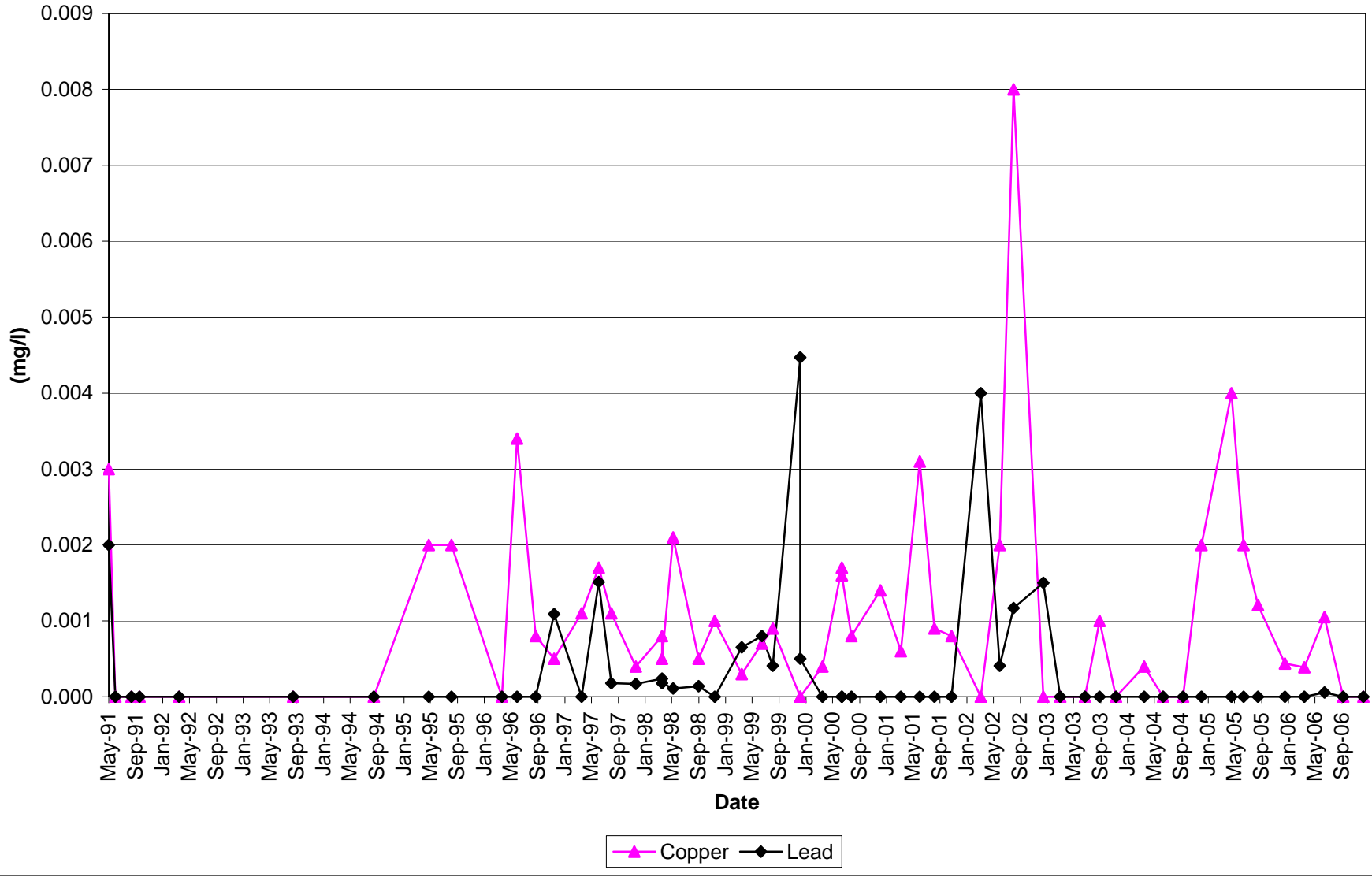
Brewery Creek Mine

BC-05: Pacific Creek above Confluence with Lee Creek



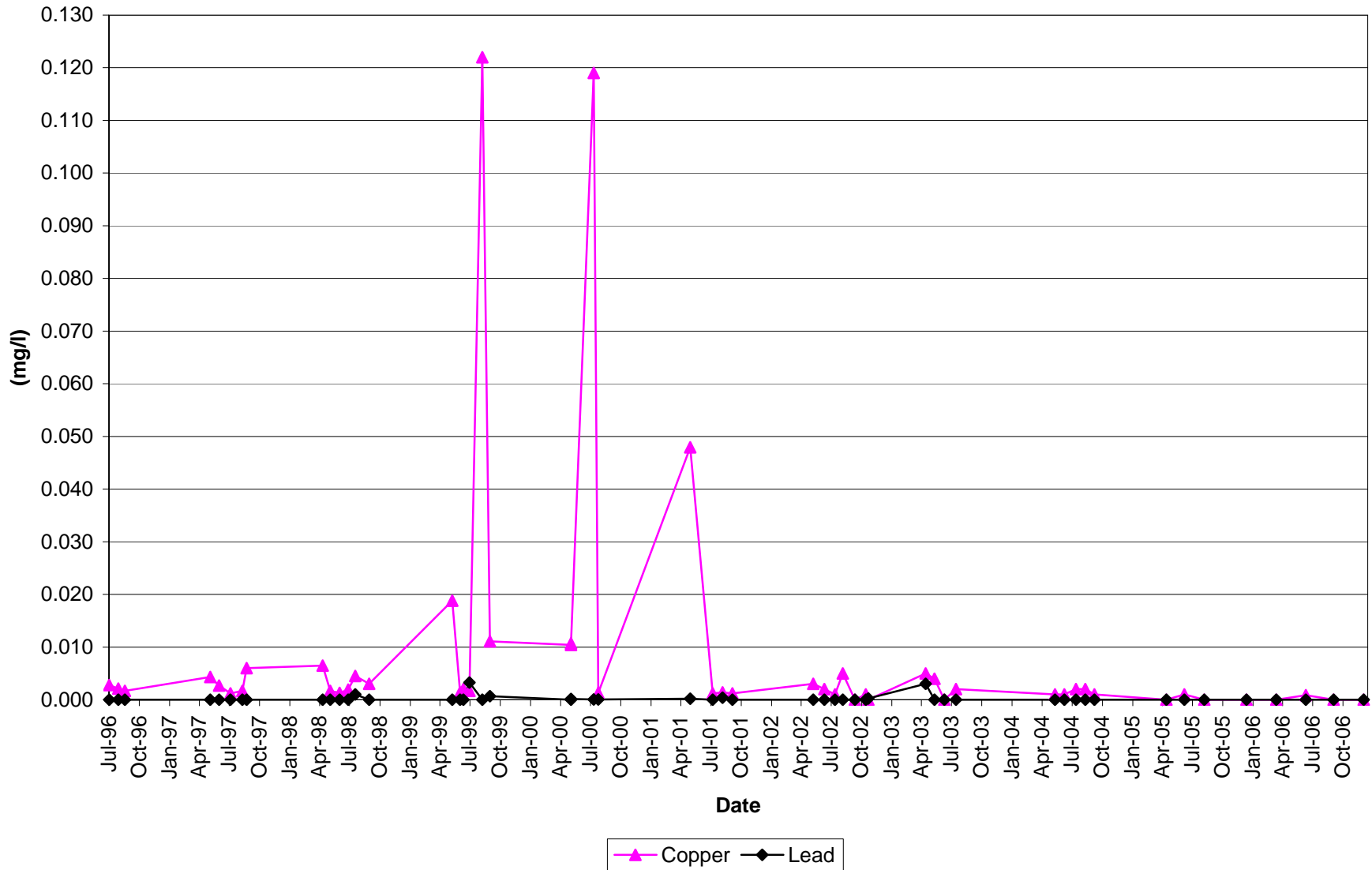
Brewery Creek Mine

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



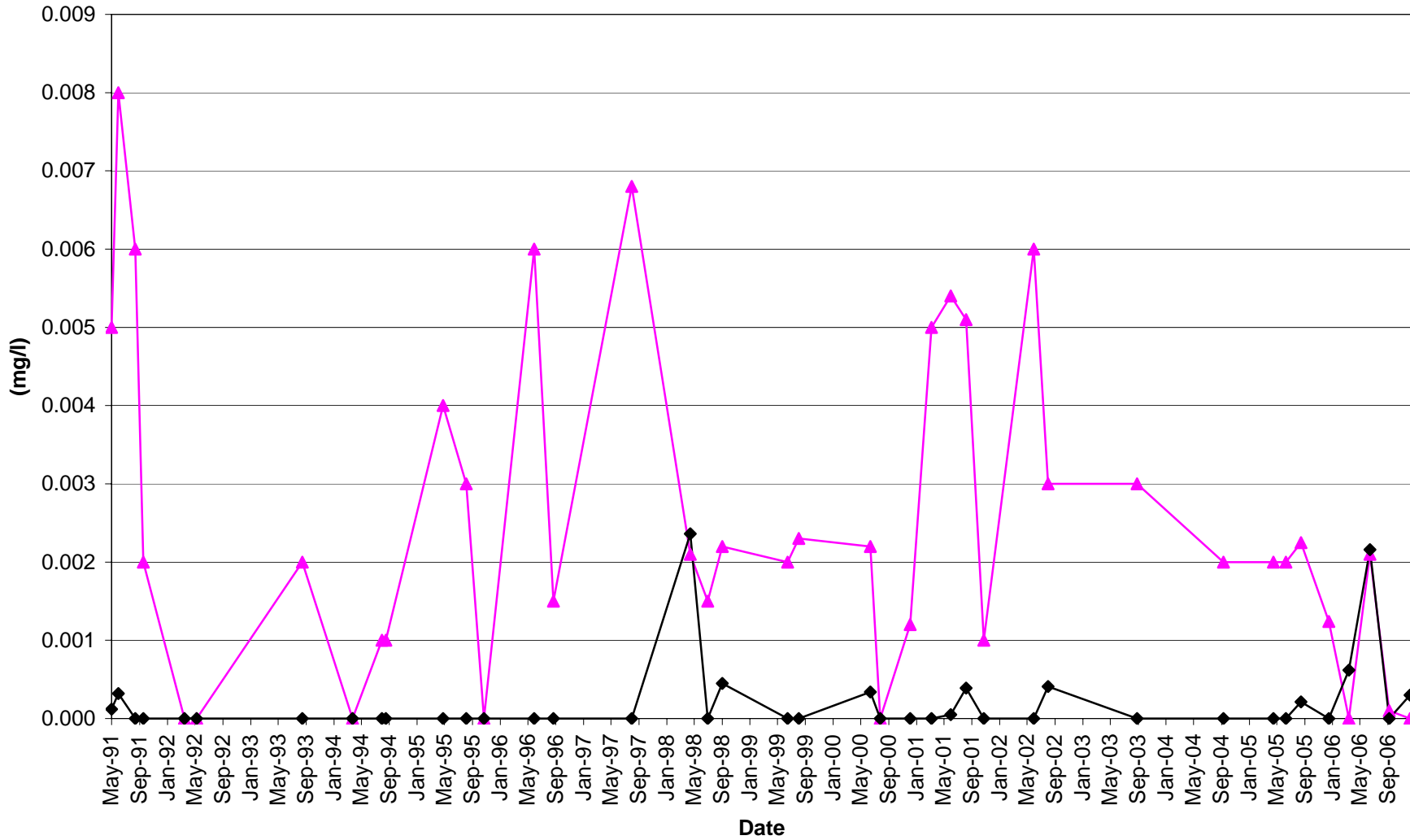
Brewery Creek Mine

BC-16: Pacific Gulch 300m above Laura Creek



Brewery Creek Mine

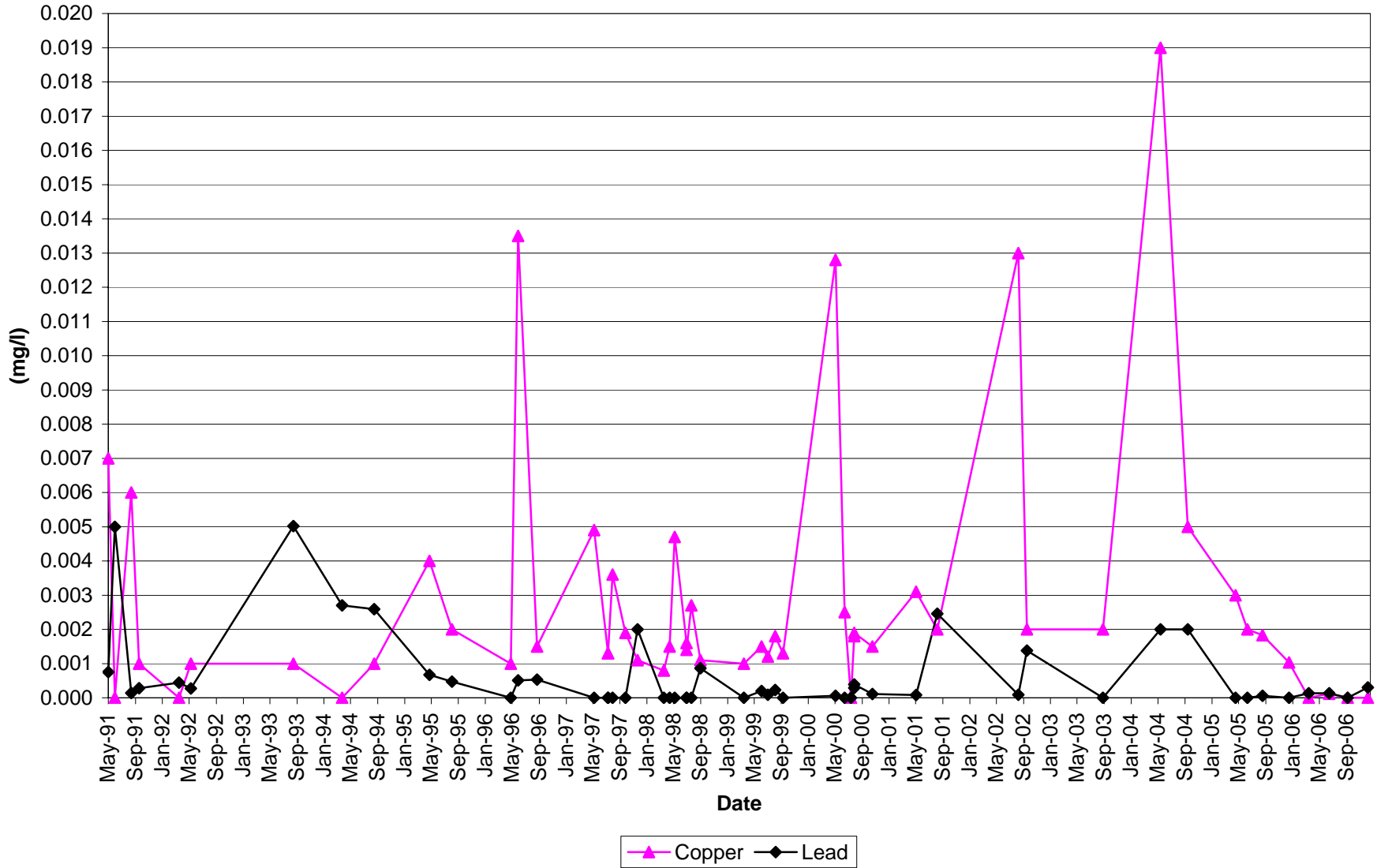
BC-31: Golden Cr. Upstream of confluence with S. Klondike



▲ Copper ◆ Lead

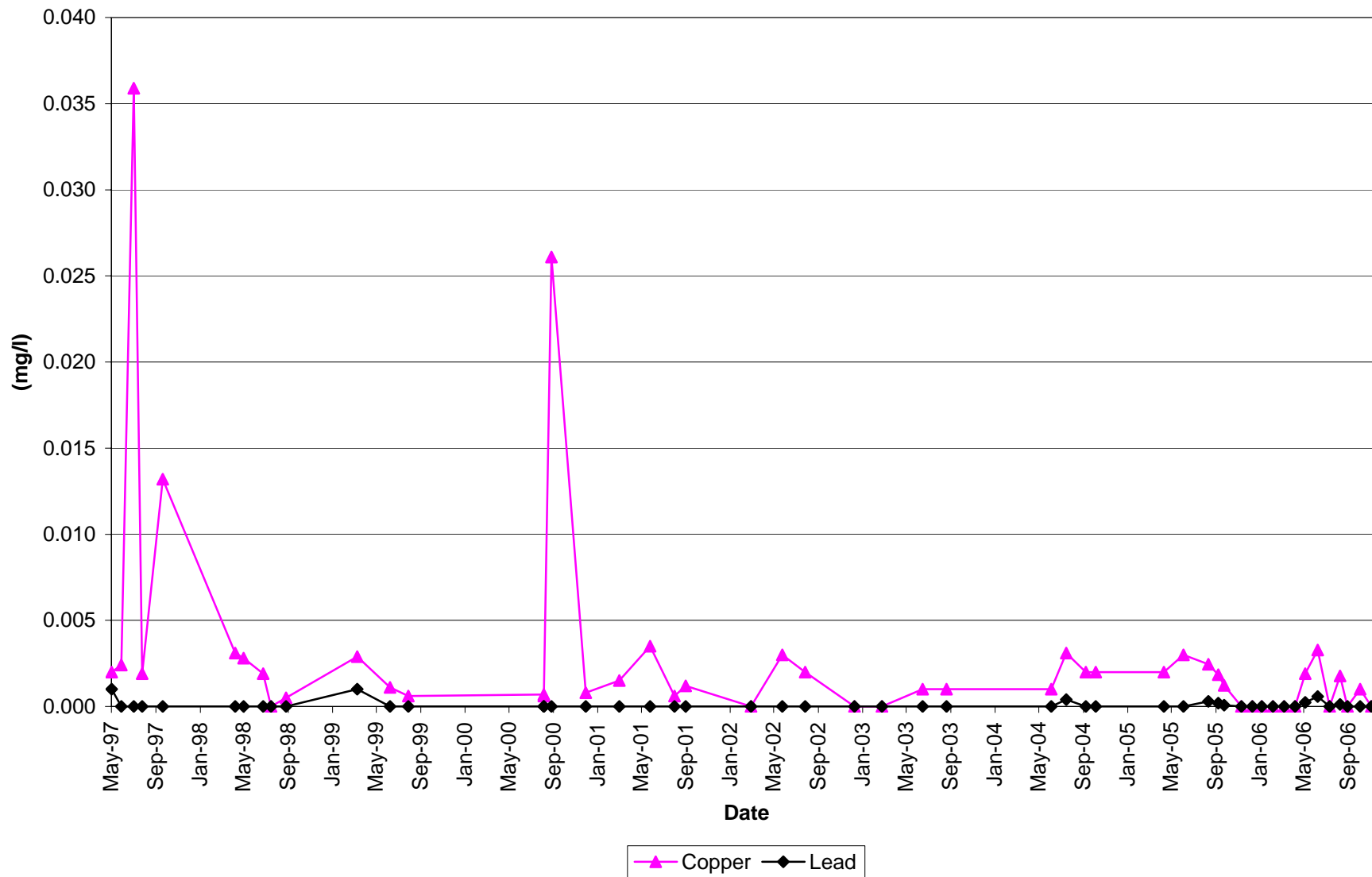
Brewery Creek Mine

BC-34: Lee Creek At Ditch Road



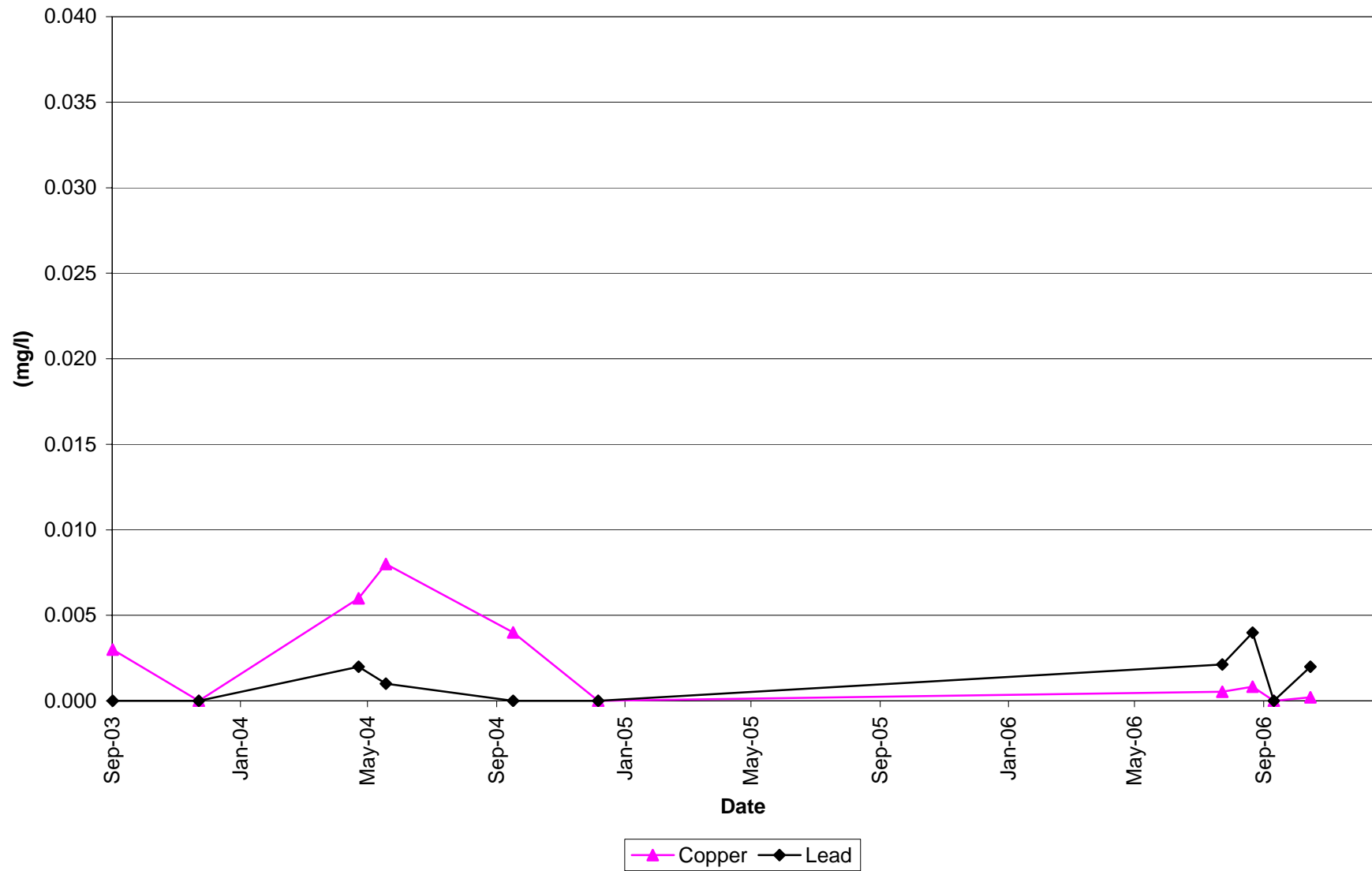
Brewery Creek Mine

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



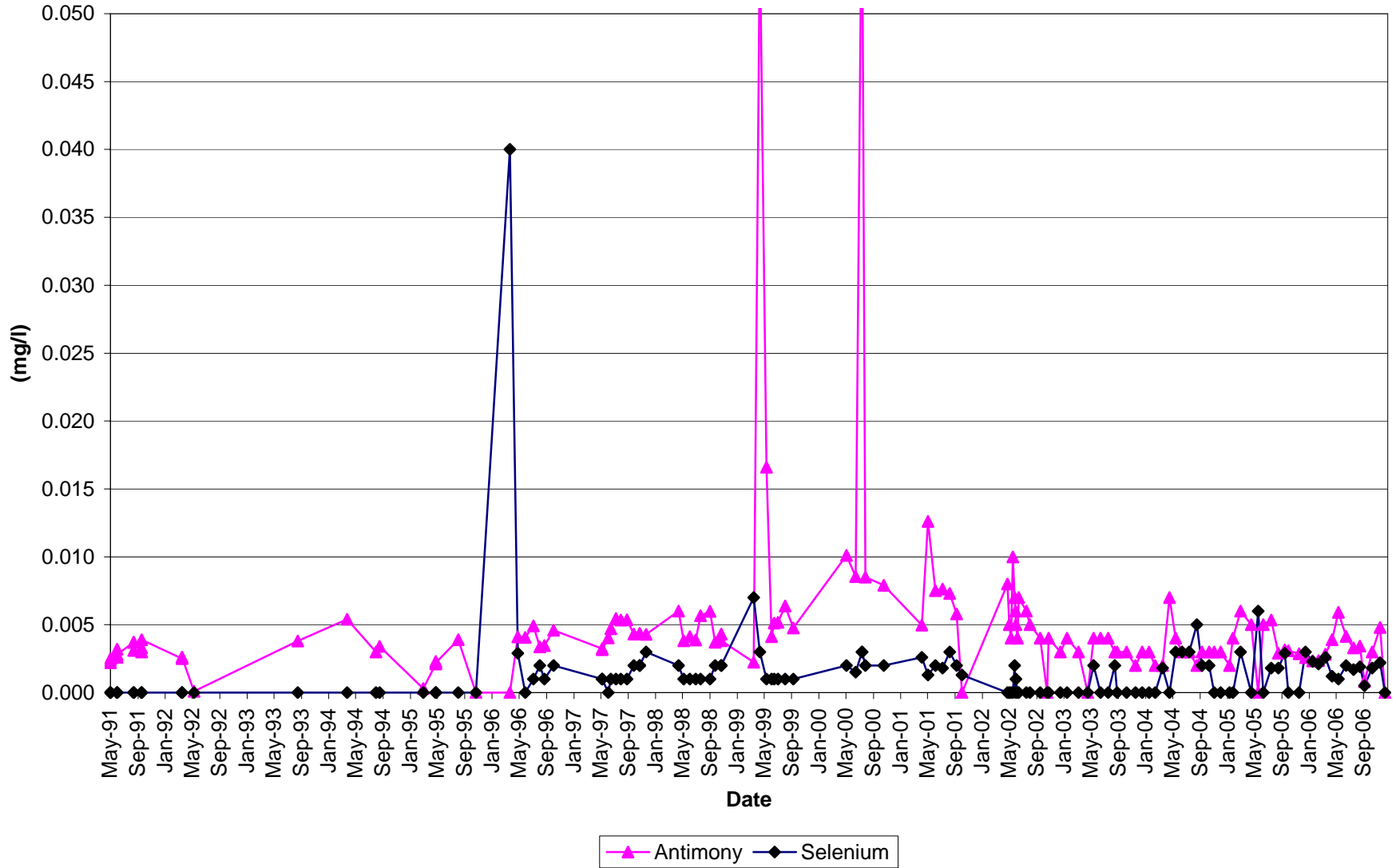
Brewery Creek Mine

BC-53: Laura Creek 100m downstream of Ditch Road



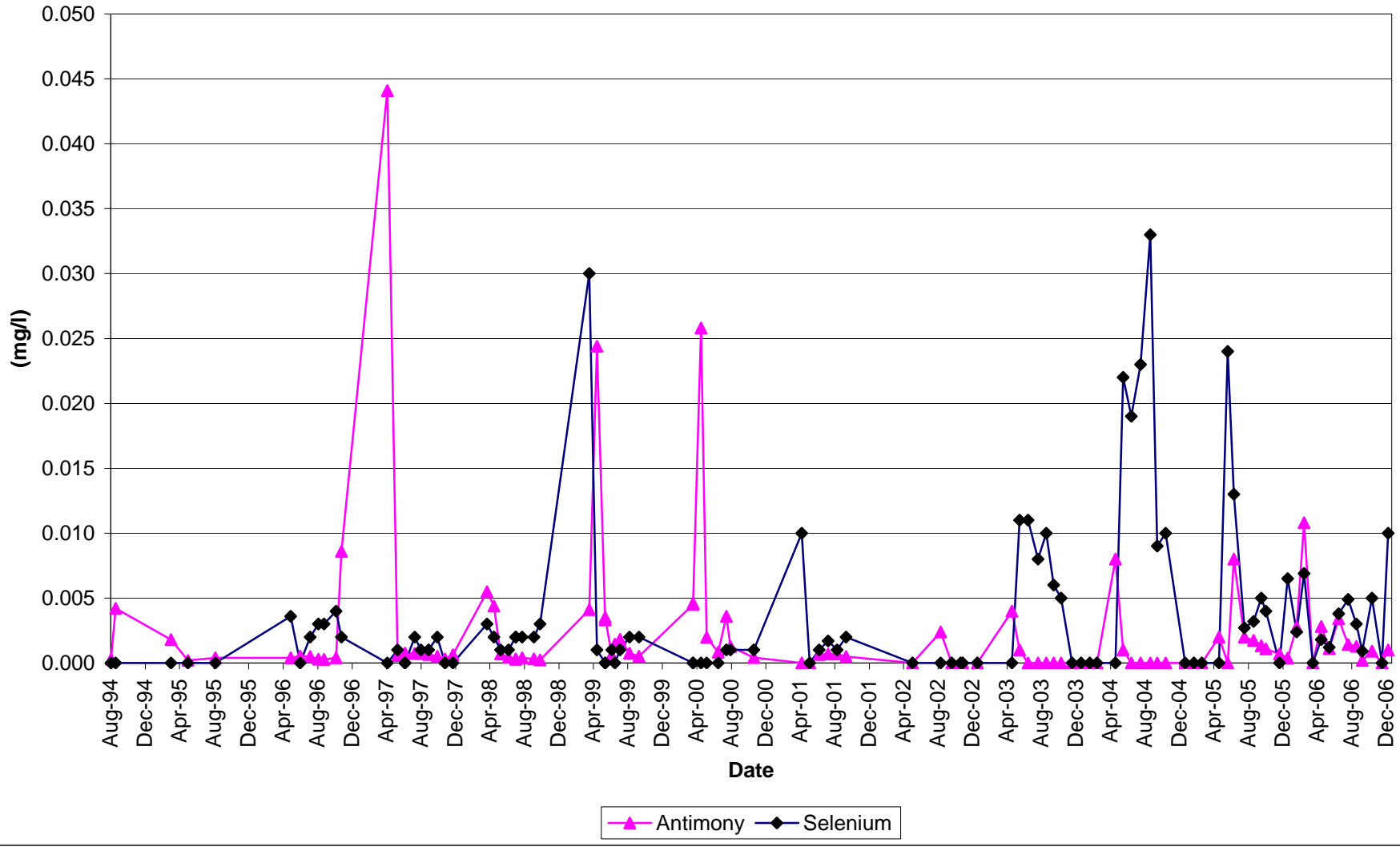
Brewery Creek Mine

BC-01: Laura Creek 50m above Ditch Road



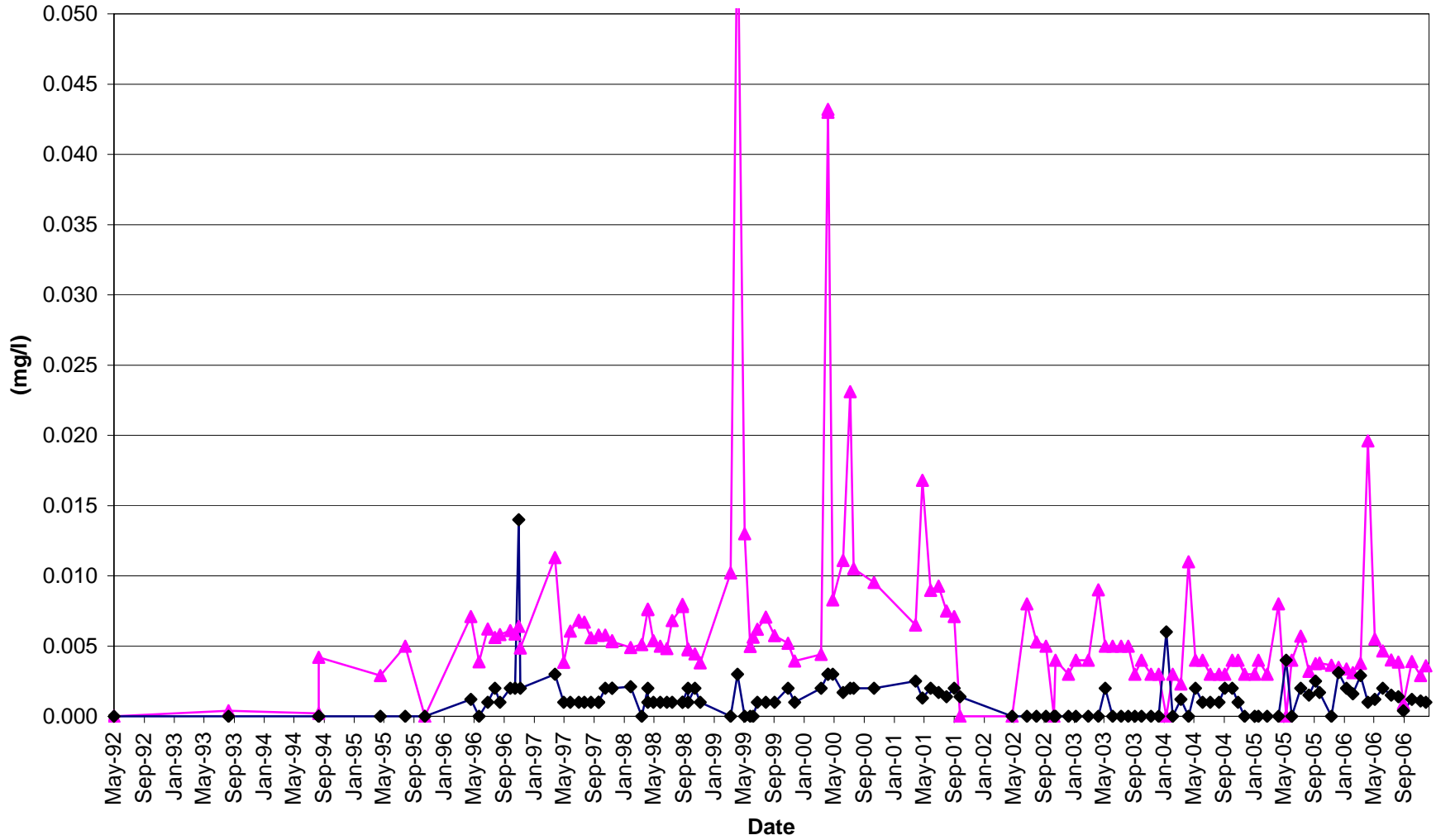
Brewery Creek Mine

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



Brewery Creek Mine

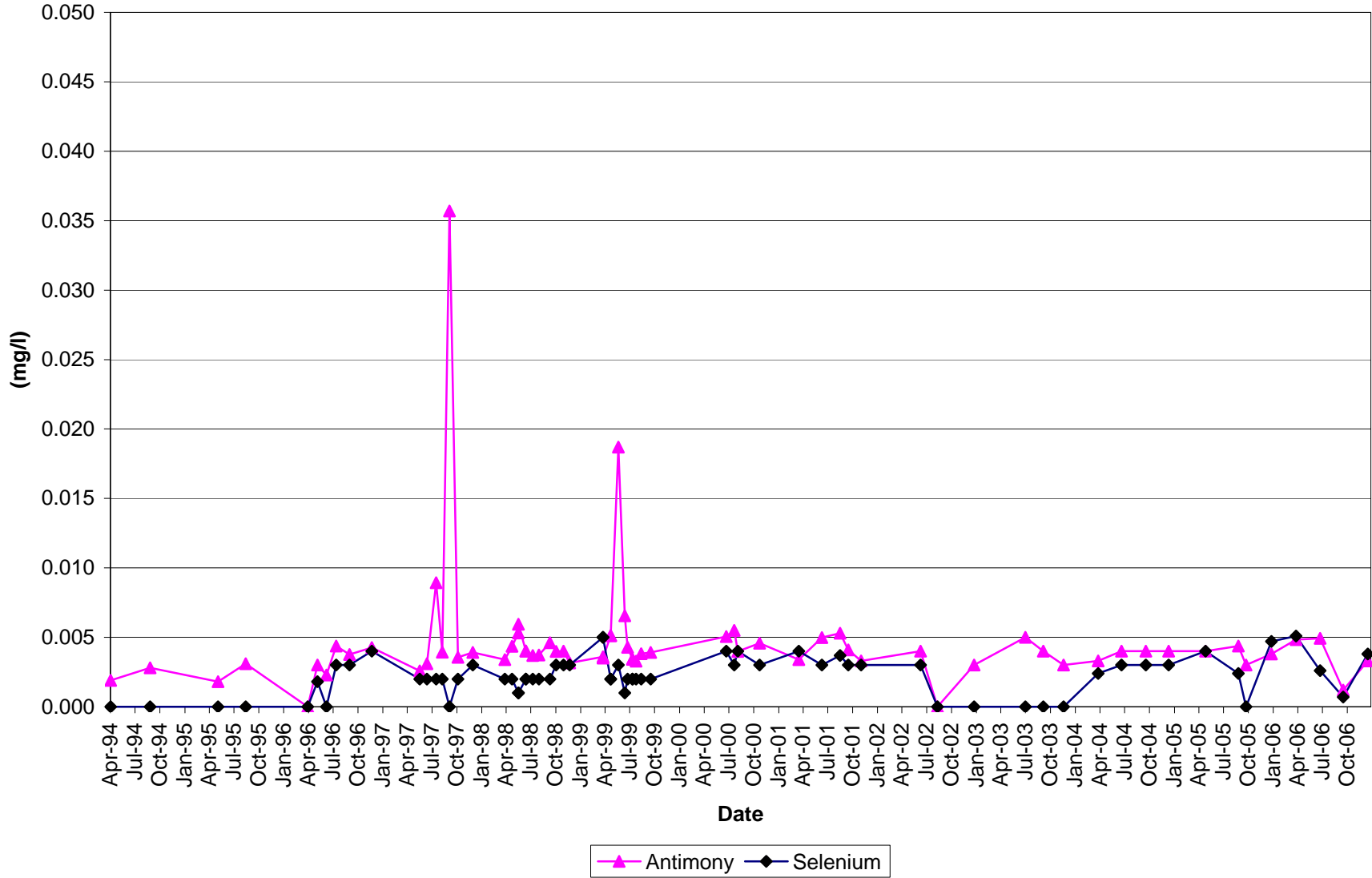
BC-03: Laura Creek Above Carolyn Creek



Antimony Selenium

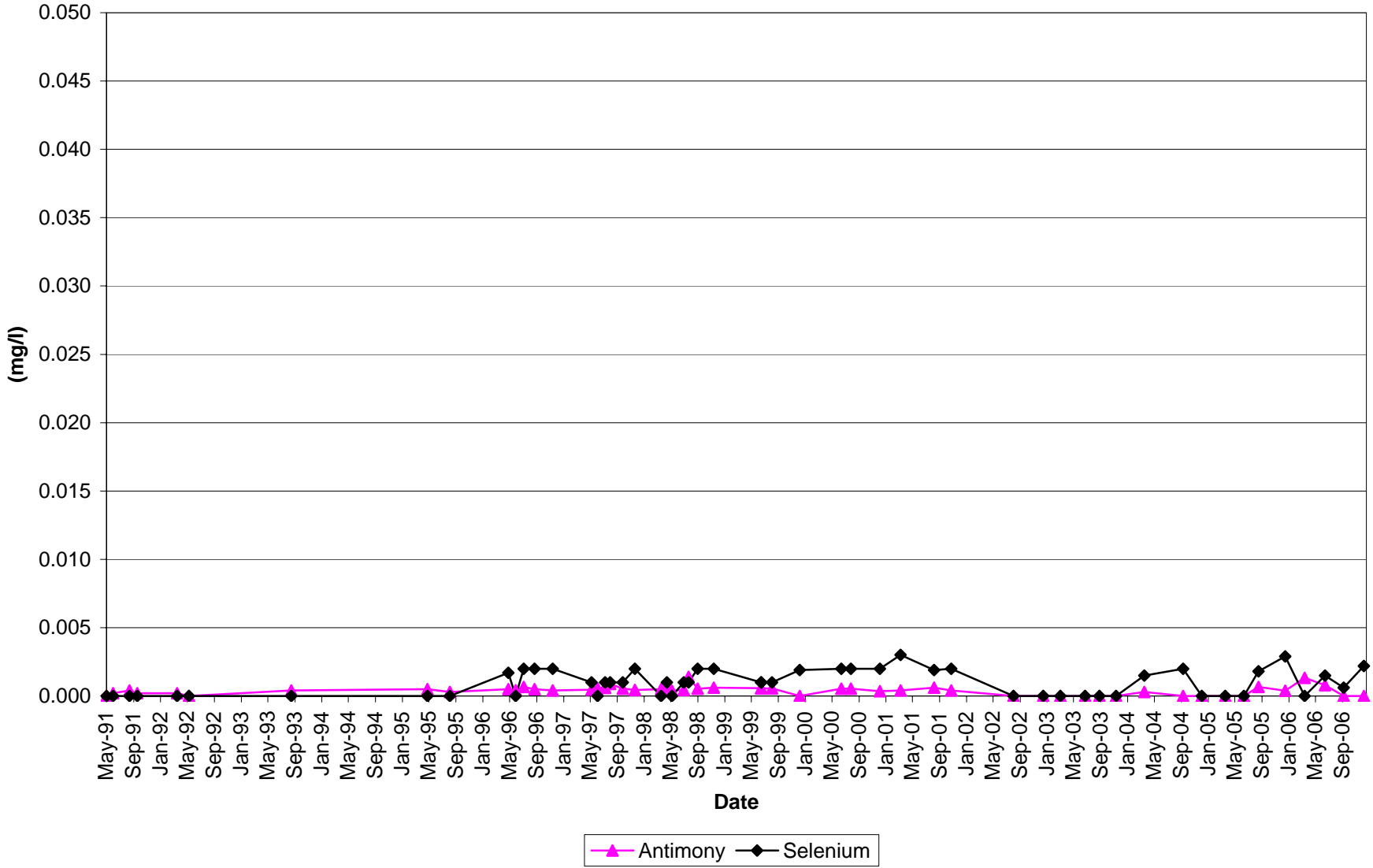
Brewery Creek Mine

BC-04: Lucky Creek



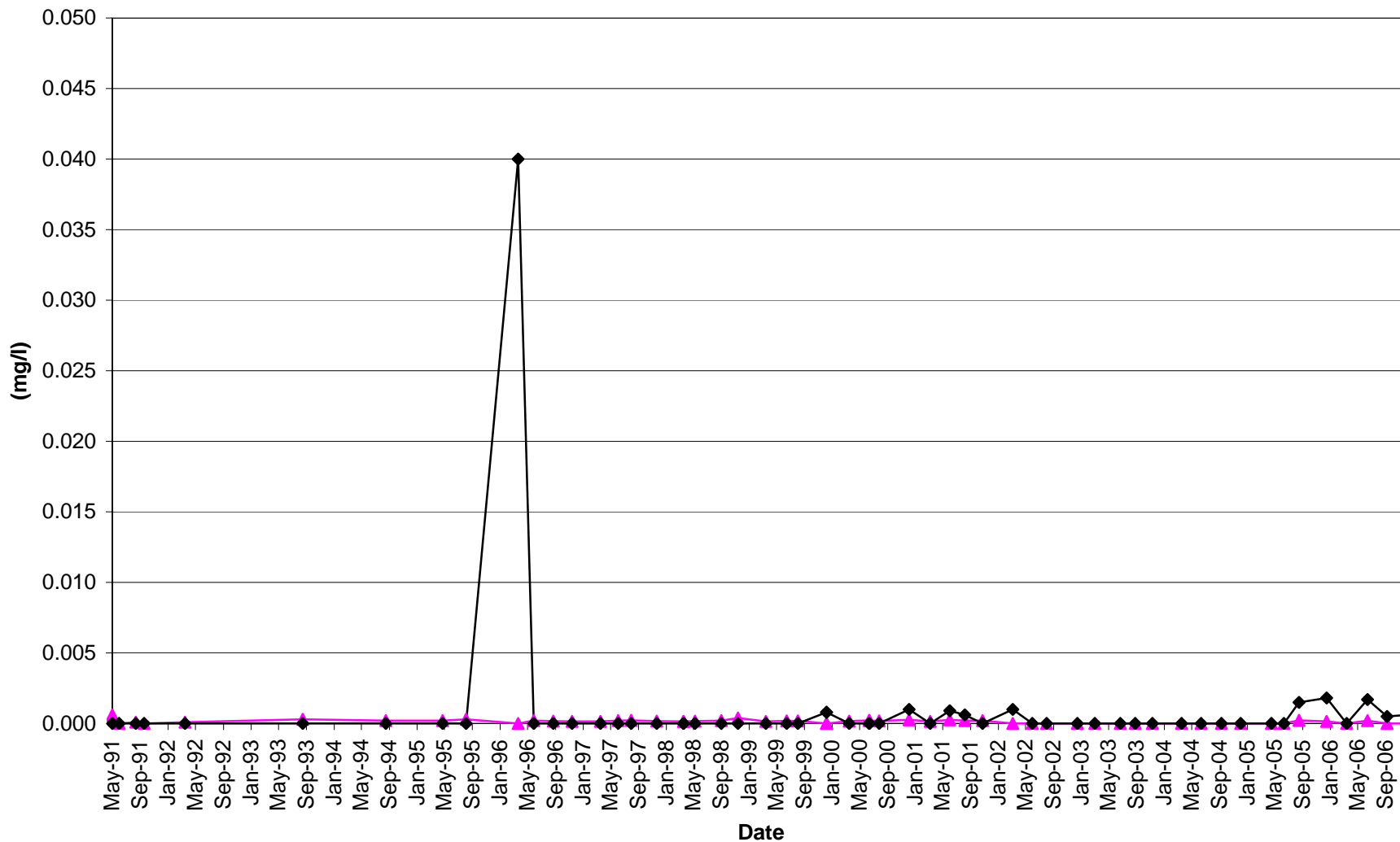
Brewery Creek Mine

BC-05: Pacific Creek above Confluence with Lee Creek



Brewery Creek Mine

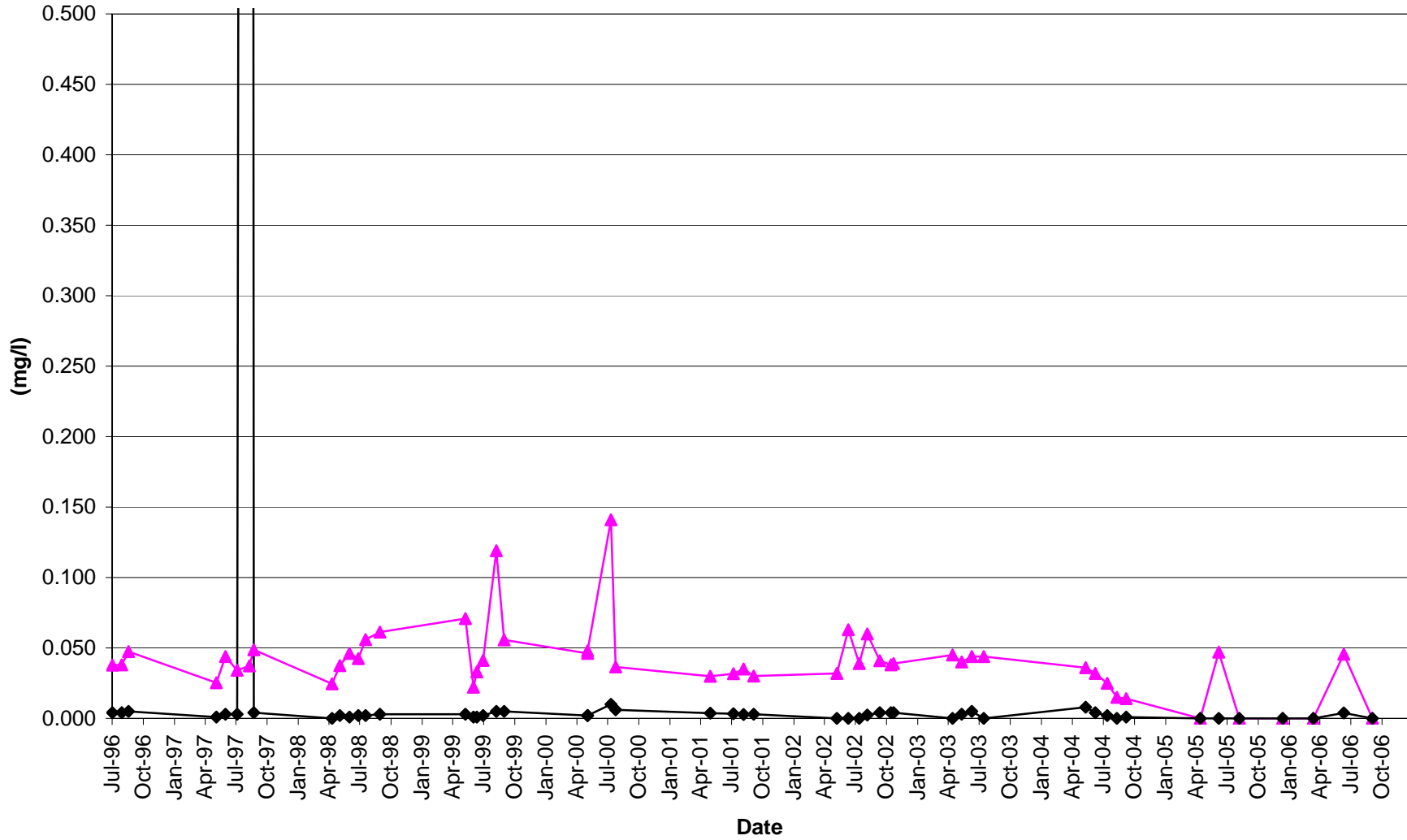
BC-06: S. Klondike d/s from confluence w/Lee Creek



Antimony Selenium

Brewery Creek Mine

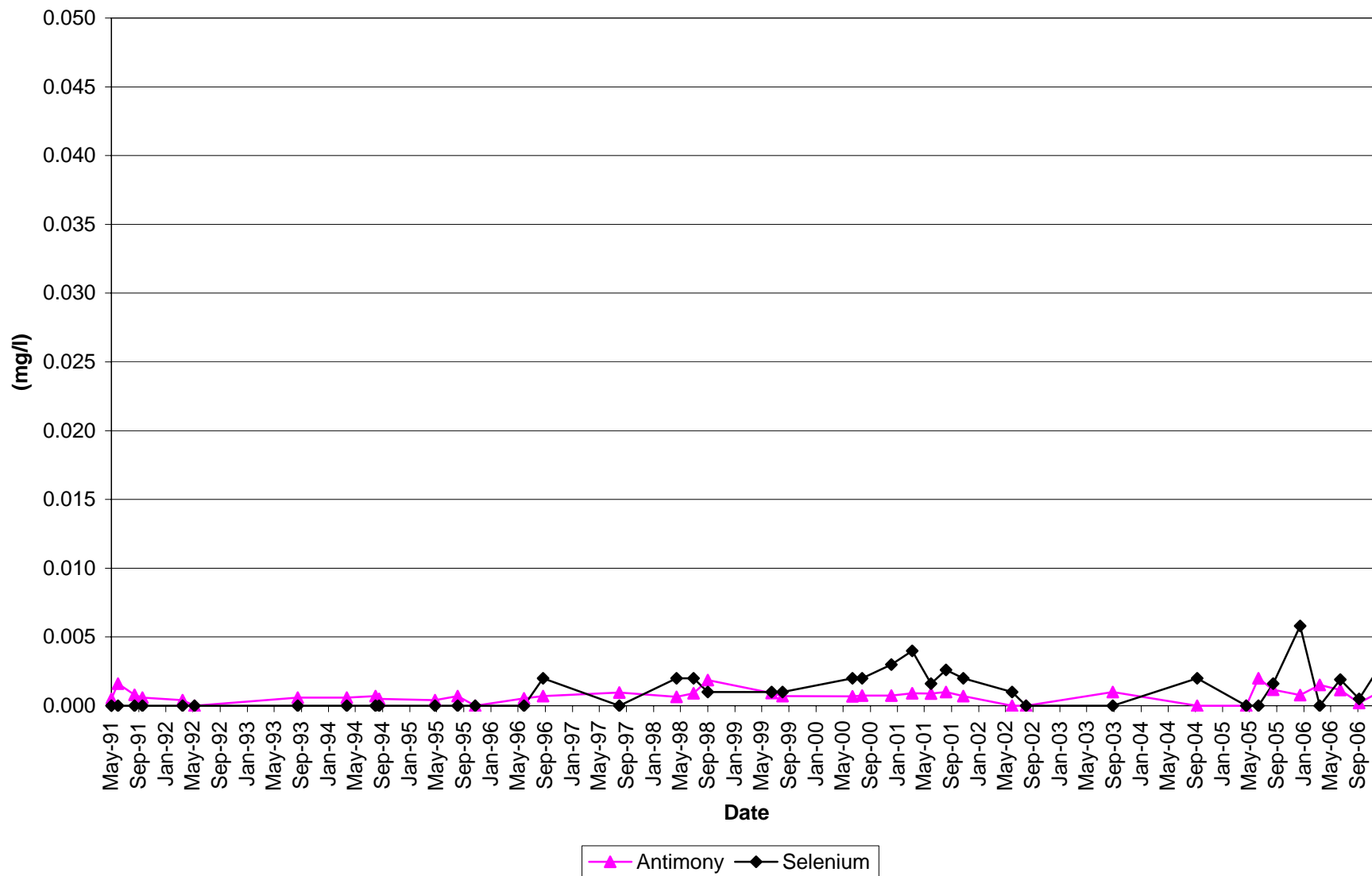
BC-16: Pacific Gulch 300m above Laura Creek



Antimony Selenium

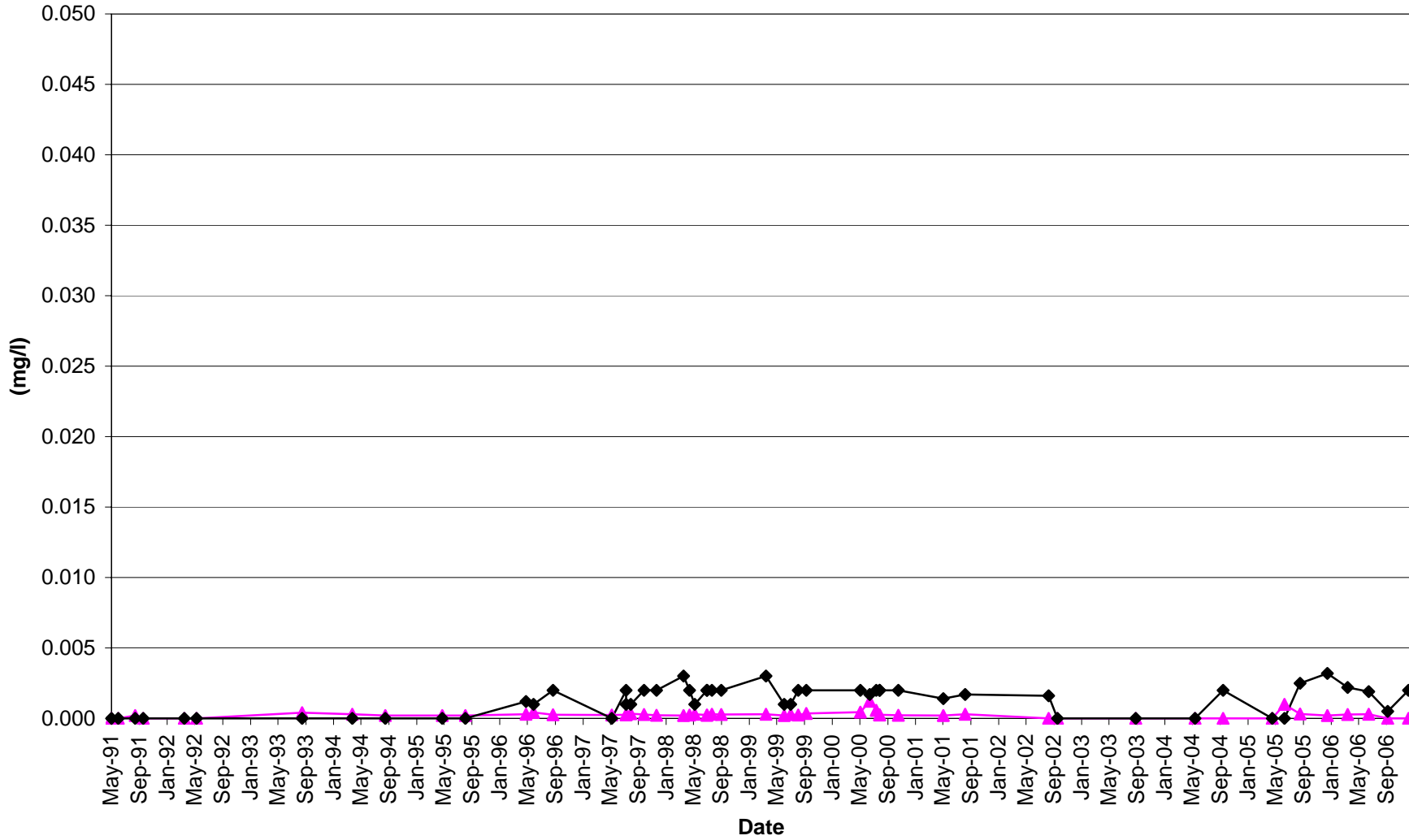
Brewery Creek Mine

BC-31: Golden Cr. Upstream of confluence with S. Klondike



Brewery Creek Mine

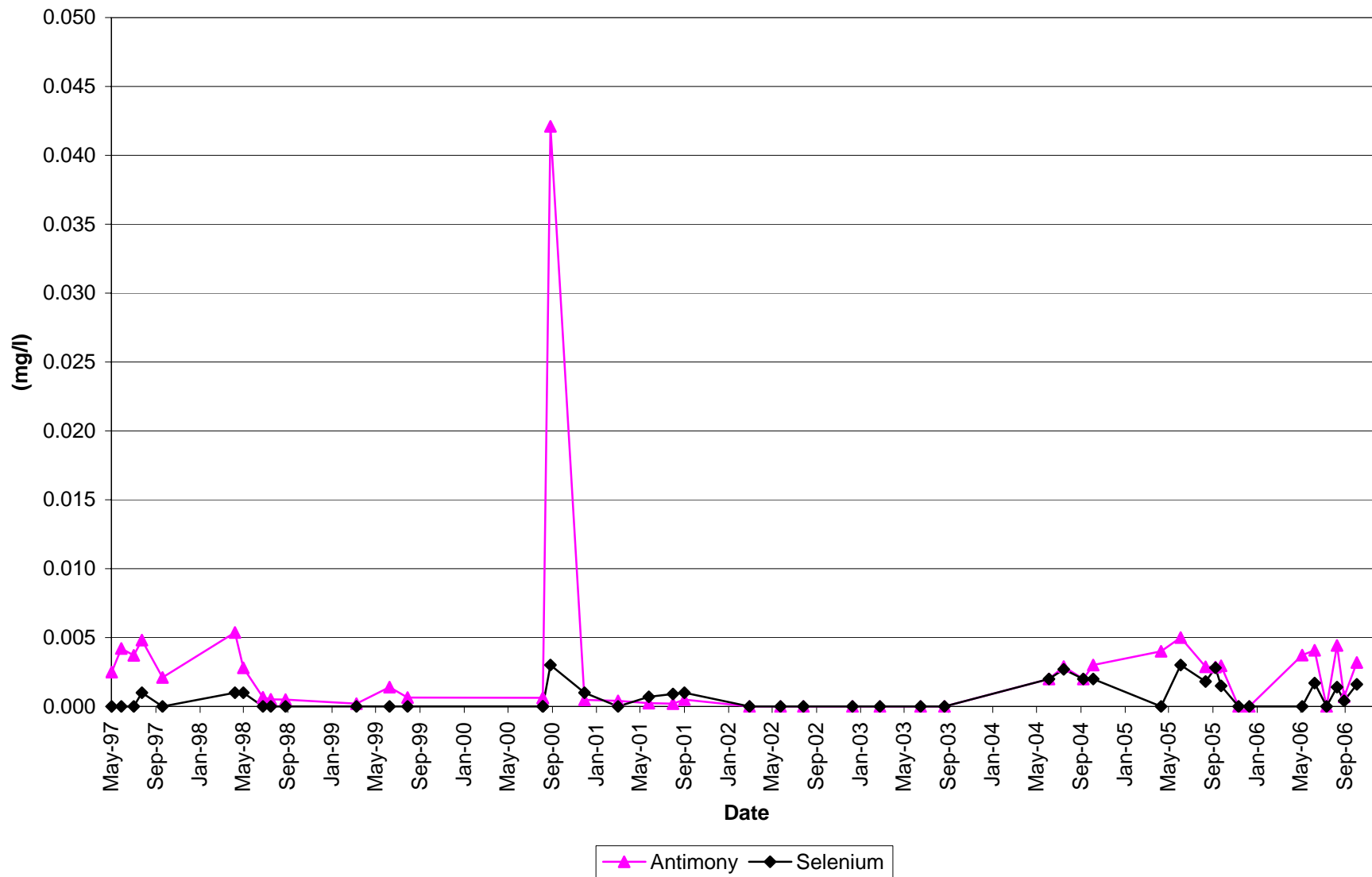
BC-34: Lee Creek At Ditch Road



Antimony Selenium

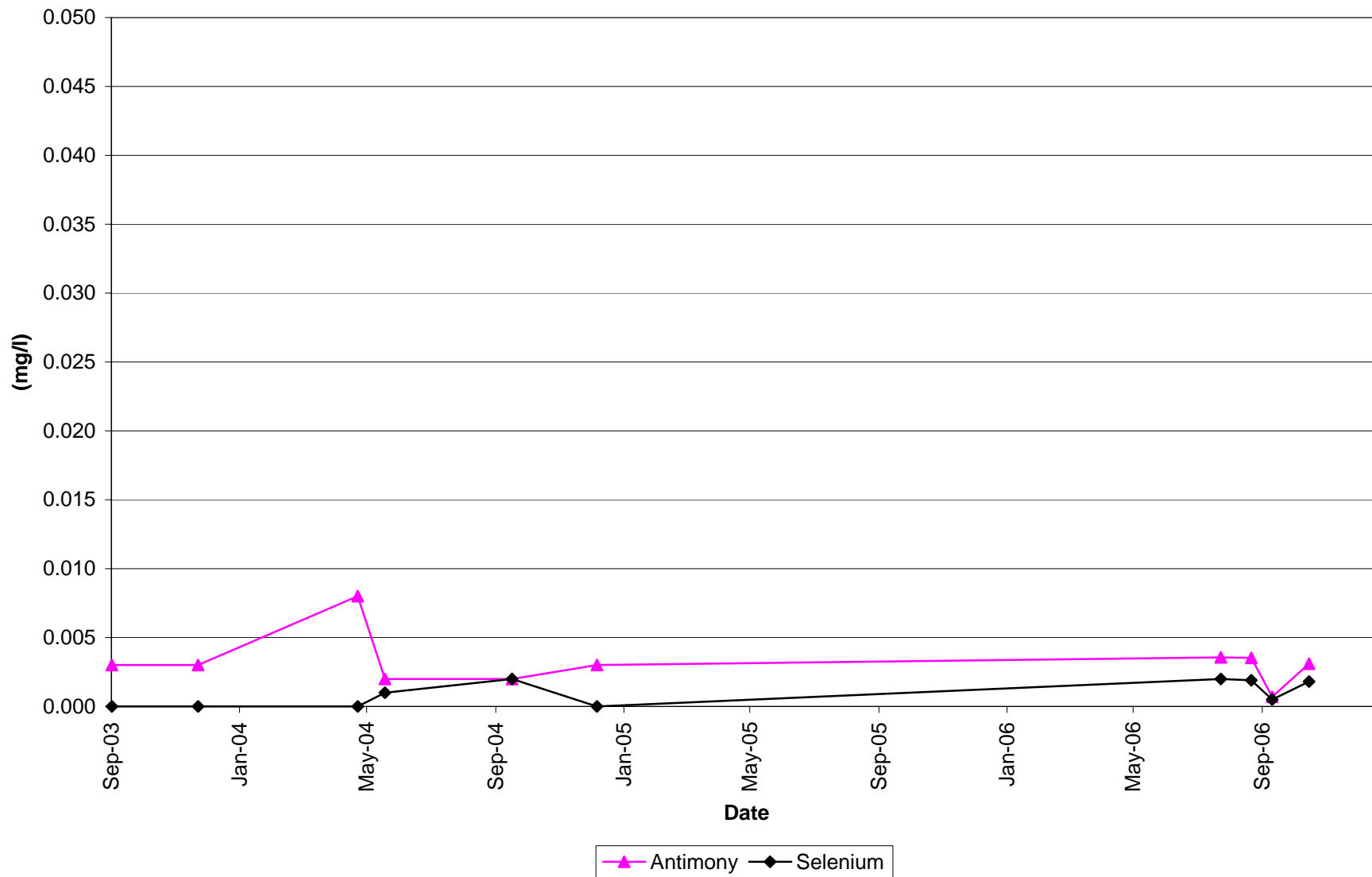
Brewery Creek Mine

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



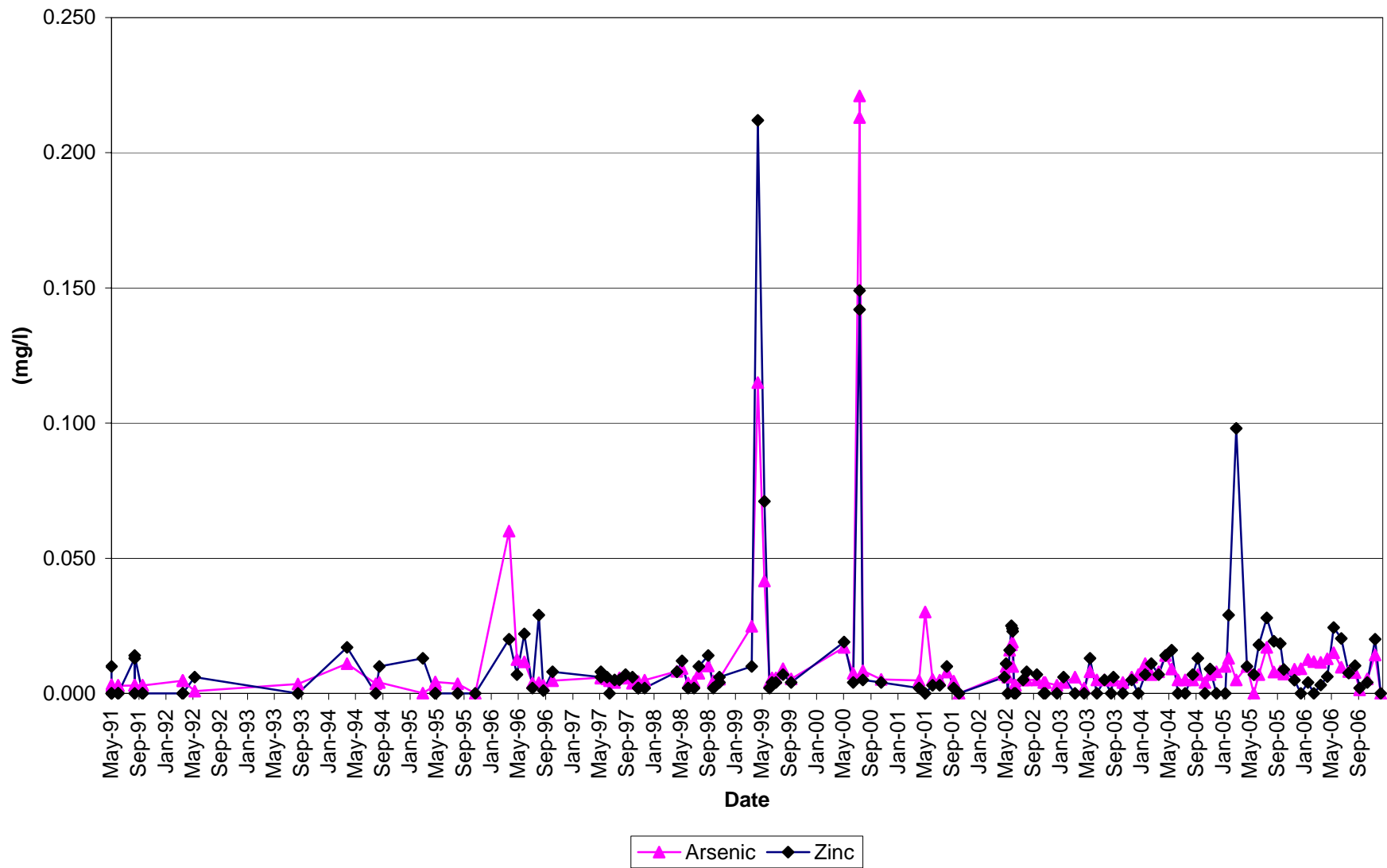
Brewery Creek Mine

BC-53: Laura Creek 100m downstream of Ditch Road



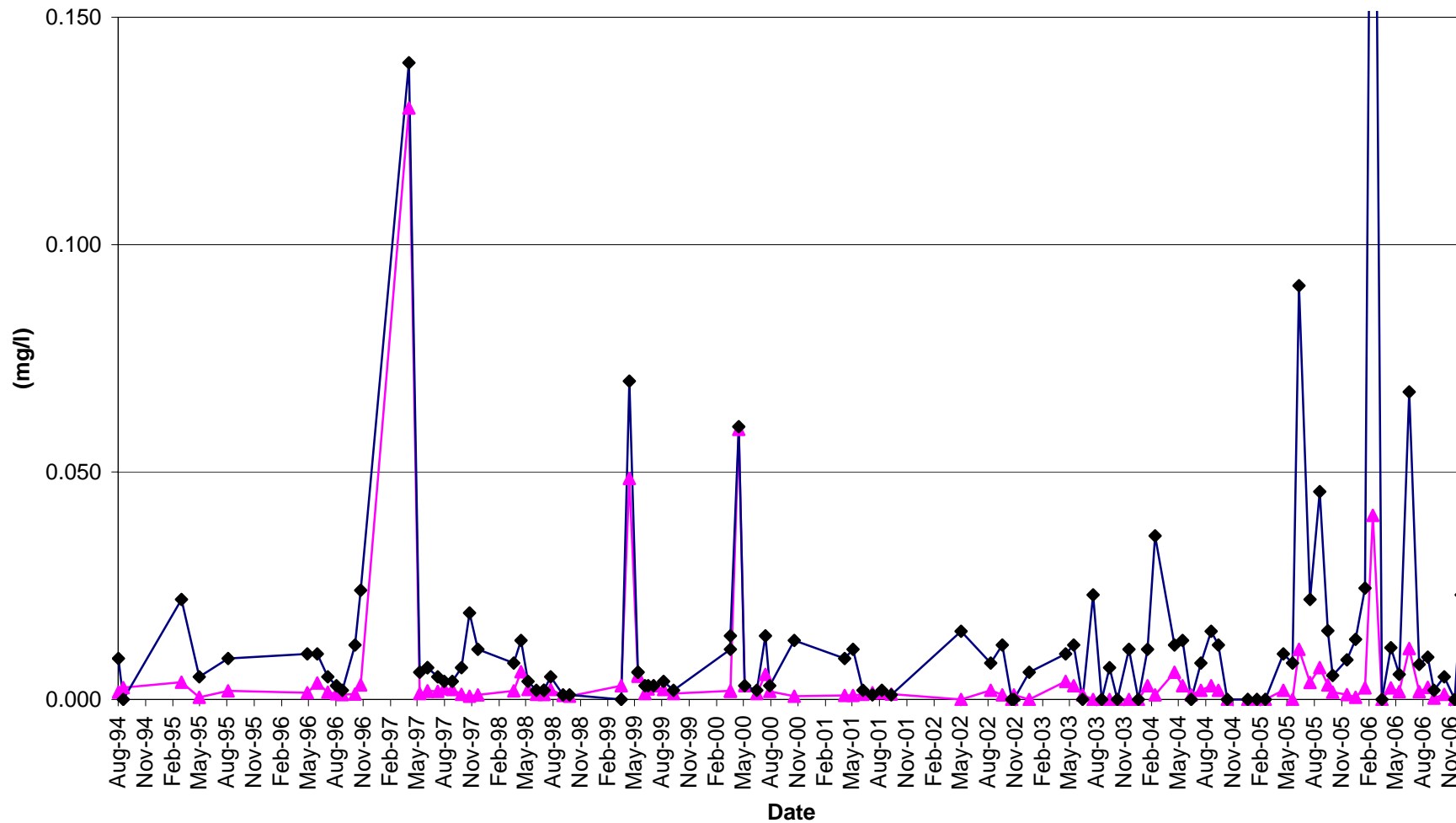
Brewery Creek Mine

BC-01: Laura Creek 50m above Ditch Road



Brewery Creek Mine

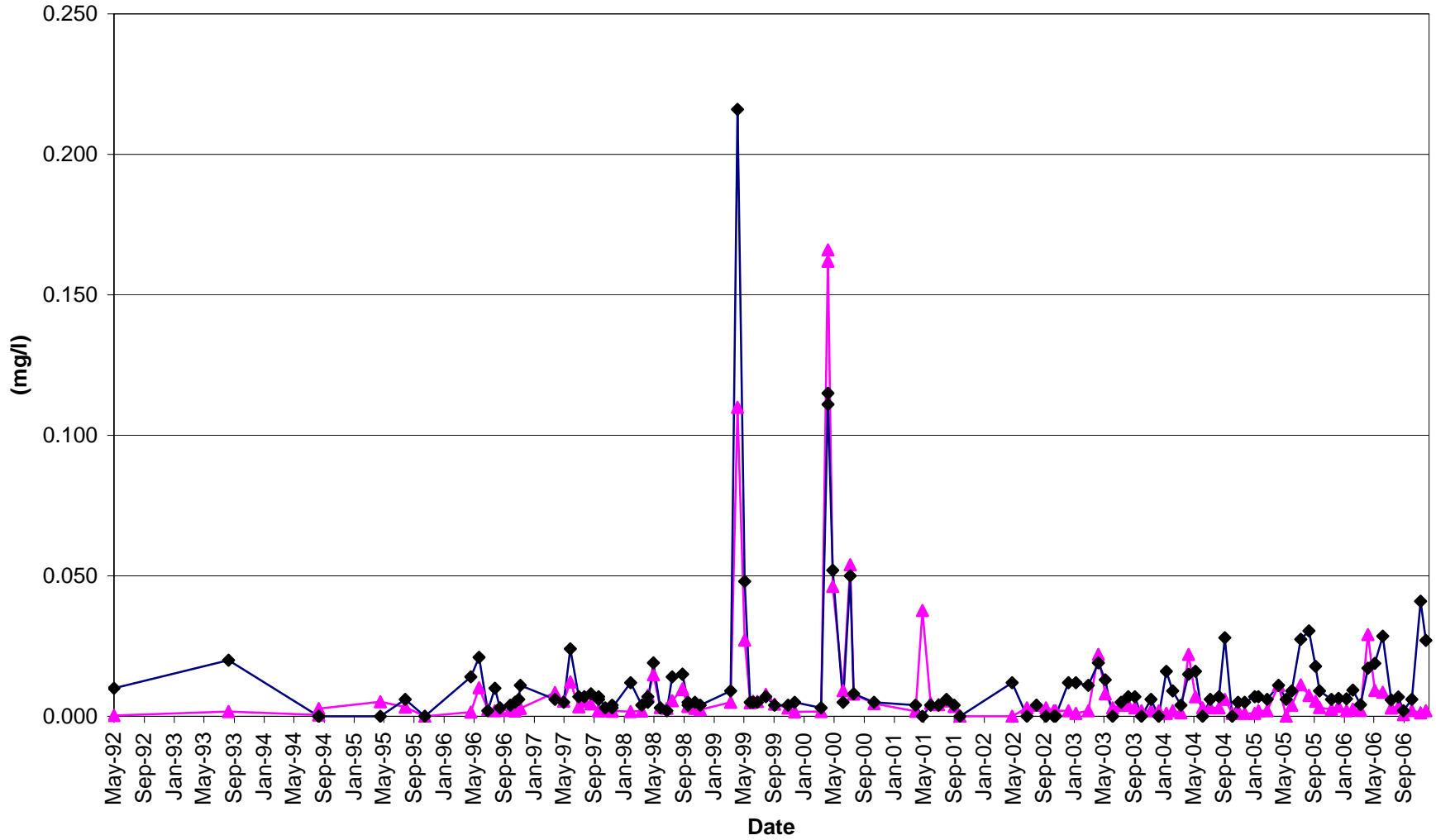
BC-02: Carolyn Creek u/s from Laura Creek



▲ Arsenic ◆ Zinc

Brewery Creek Mine

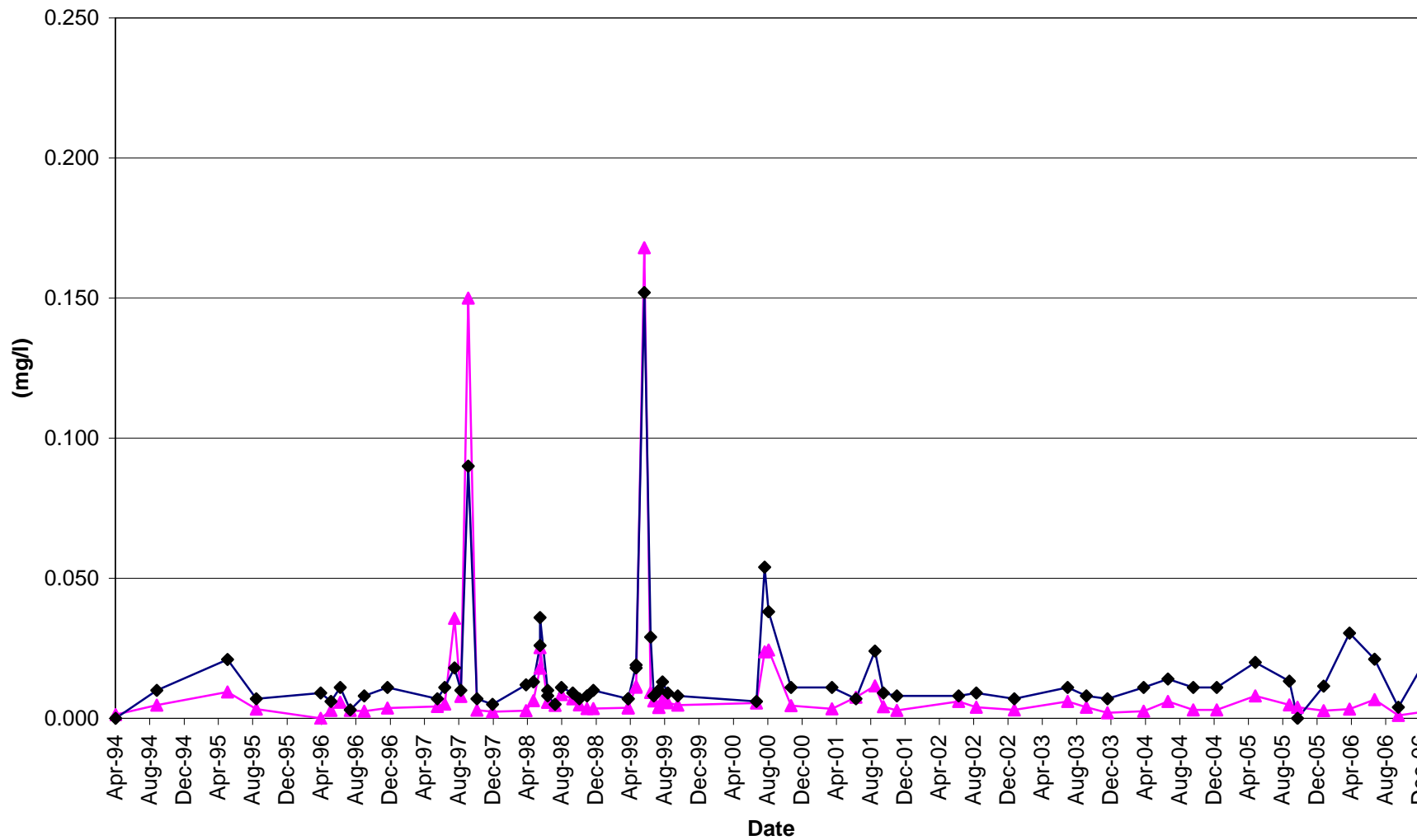
BC-03: Laura Creek Above Carolyn Creek



▲ Arsenic ◆ Zinc

Brewery Creek Mine

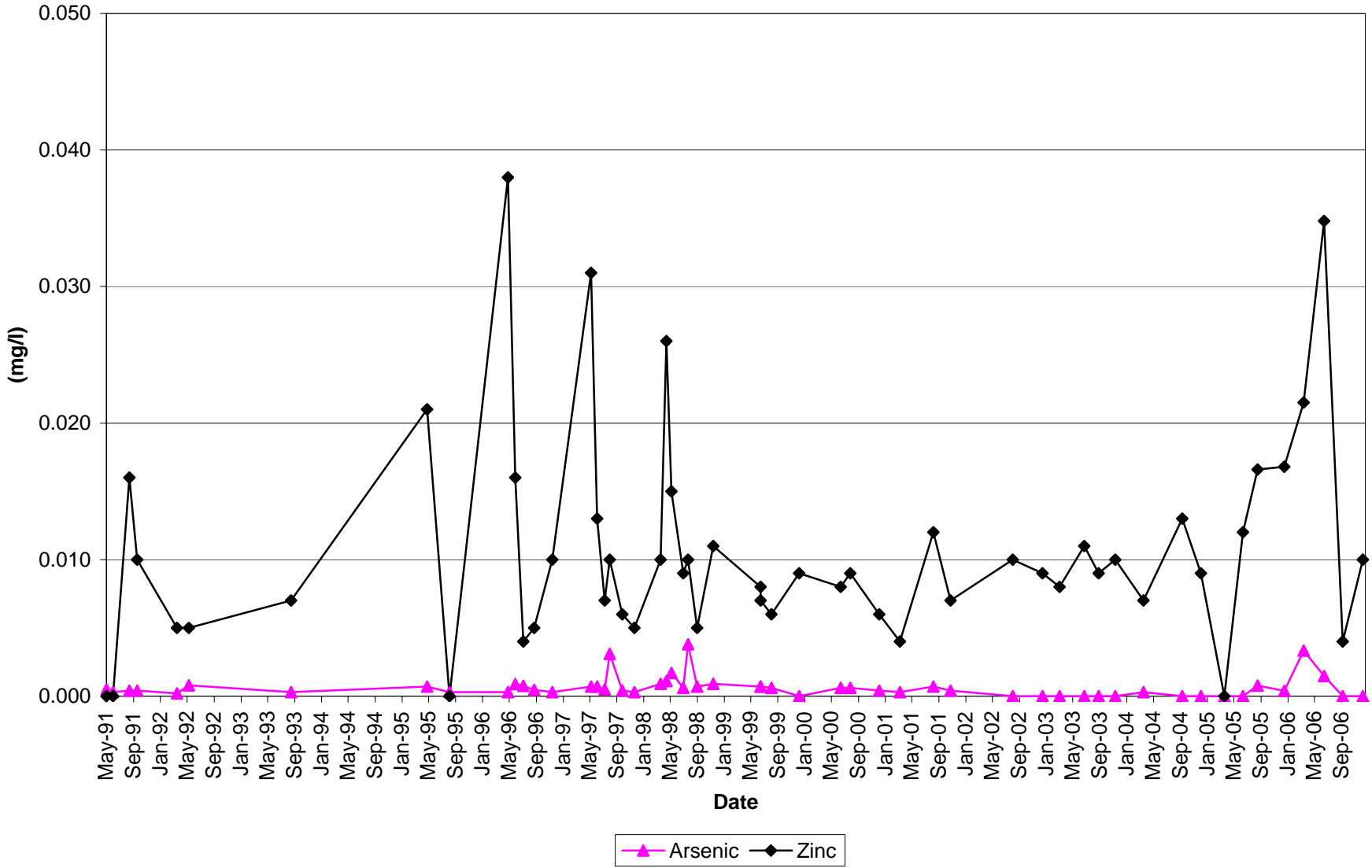
BC-04: Lucky Creek



▲ Arsenic ◆ Zinc

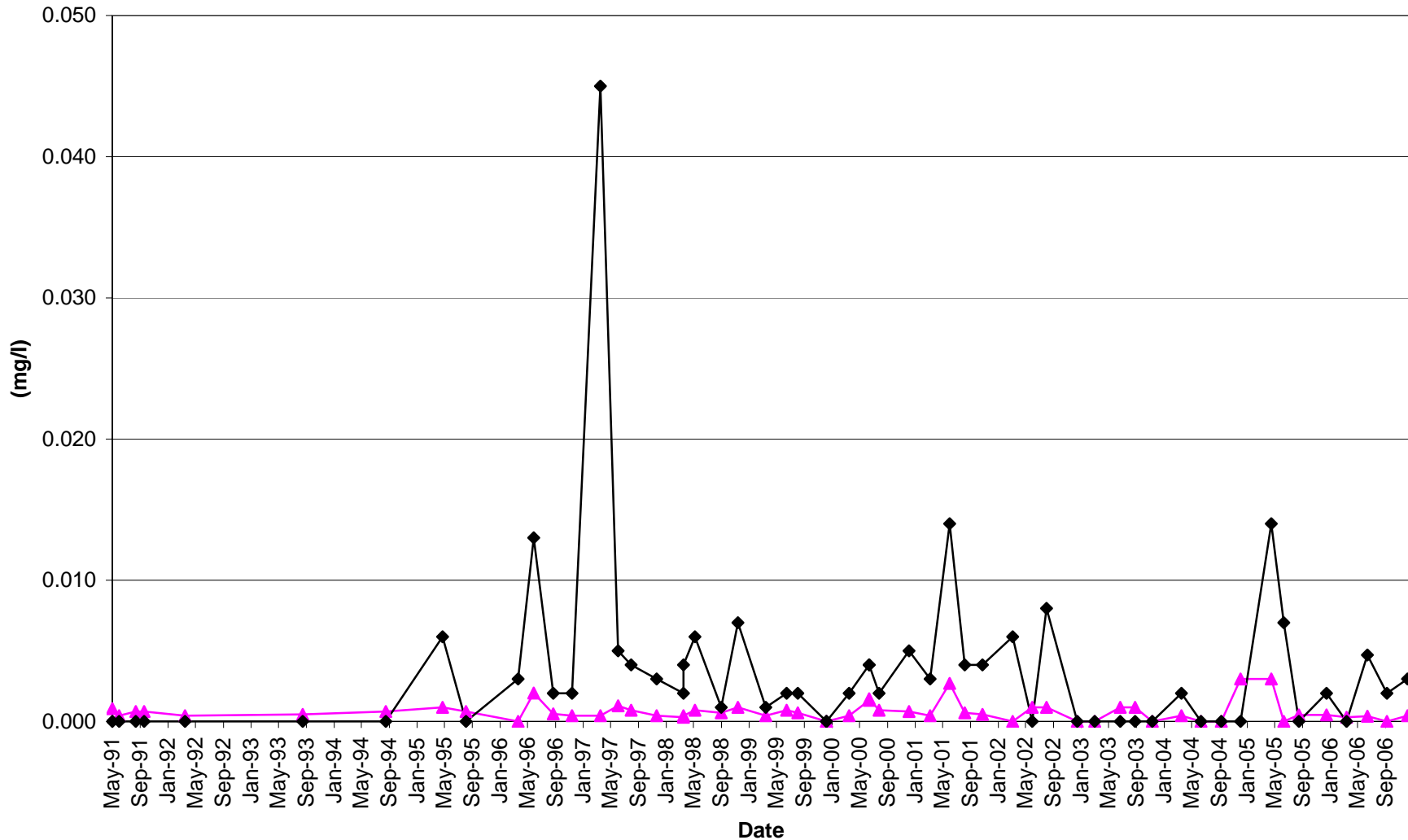
Brewery Creek Mine

BC-05: Pacific Creek above Confluence with Lee Creek



Brewery Creek Mine

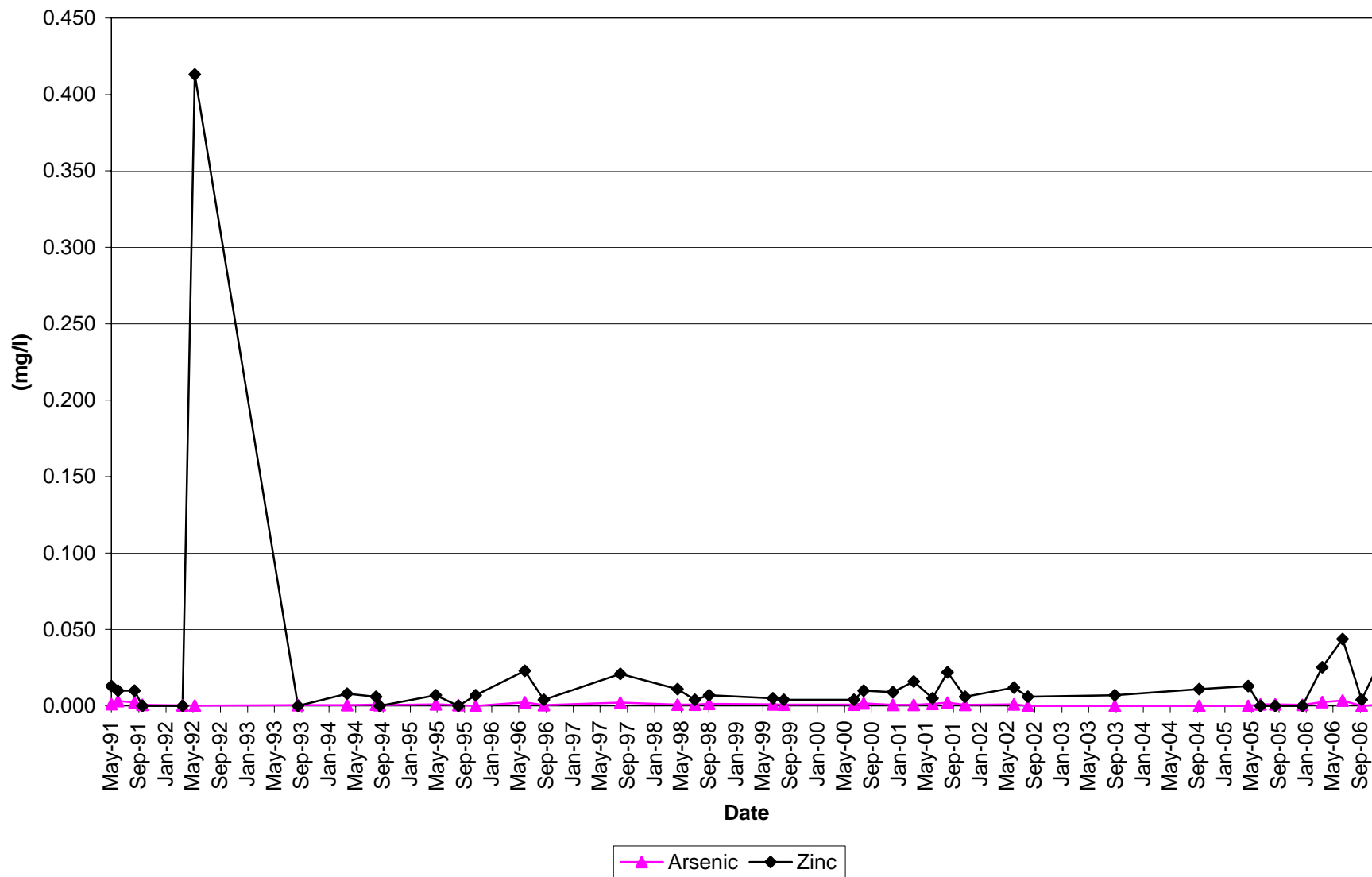
BC-06: S. Klondike d/s from confluence w/Lee Creek



▲ Arsenic ◆ Zinc

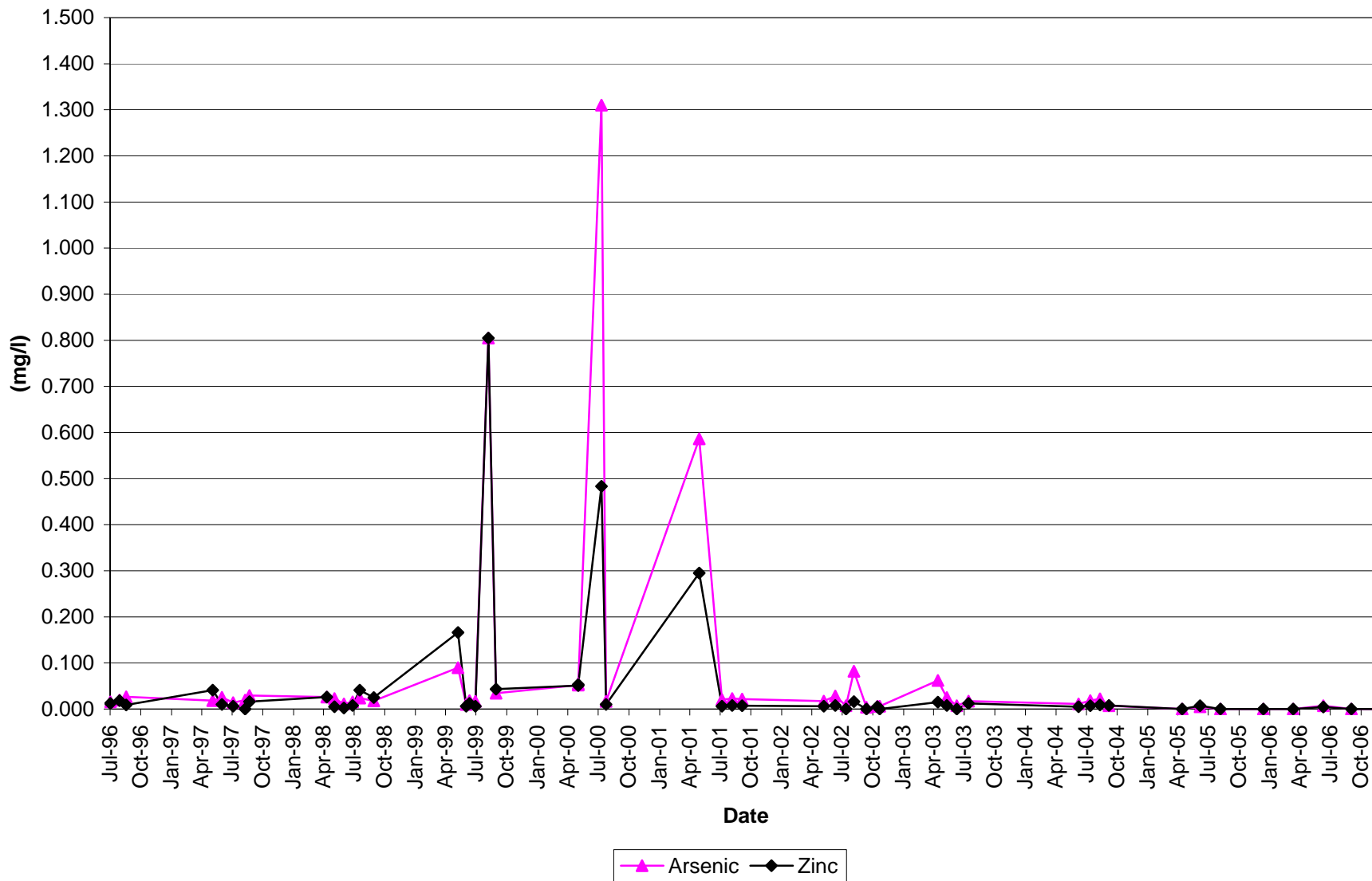
Brewery Creek Mine

BC-31: Golden Cr. Upstream of confluence with S. Klondike



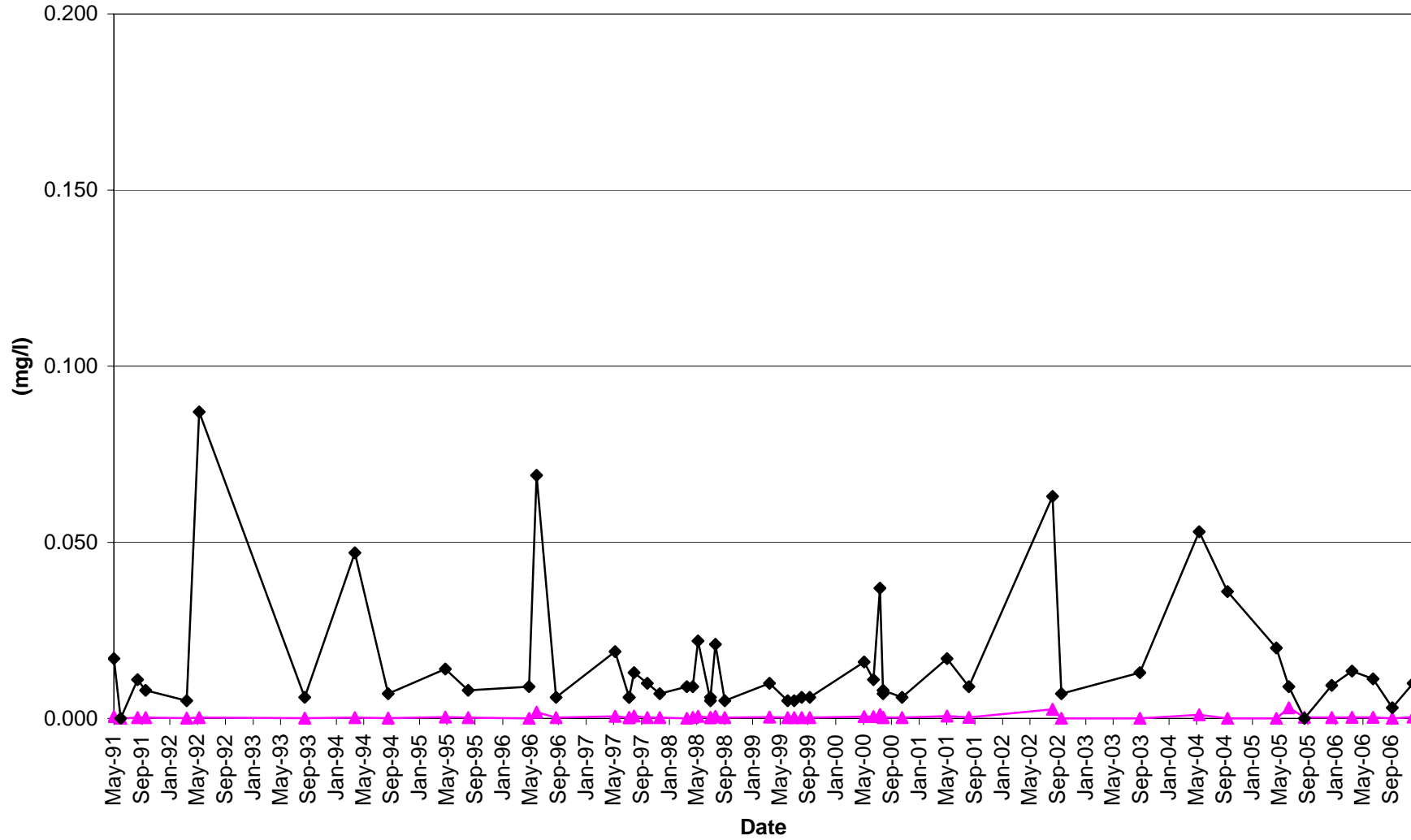
Brewery Creek Mine

BC-16: Pacific Gulch 300m above Laura Creek



Brewery Creek Mine

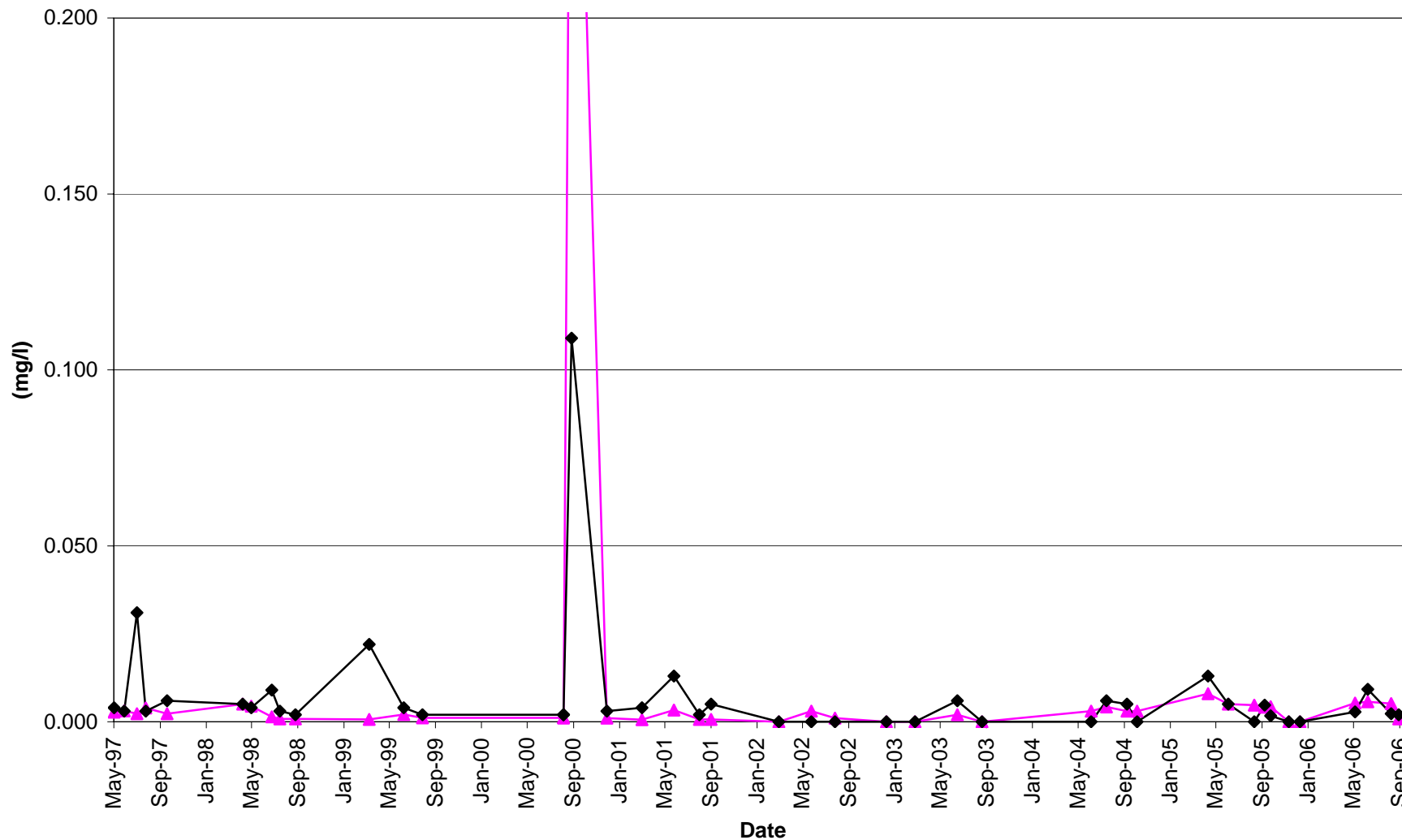
BC-34: Lee Creek At Ditch Road



▲ Arsenic ◆ Zinc

Brewery Creek Mine

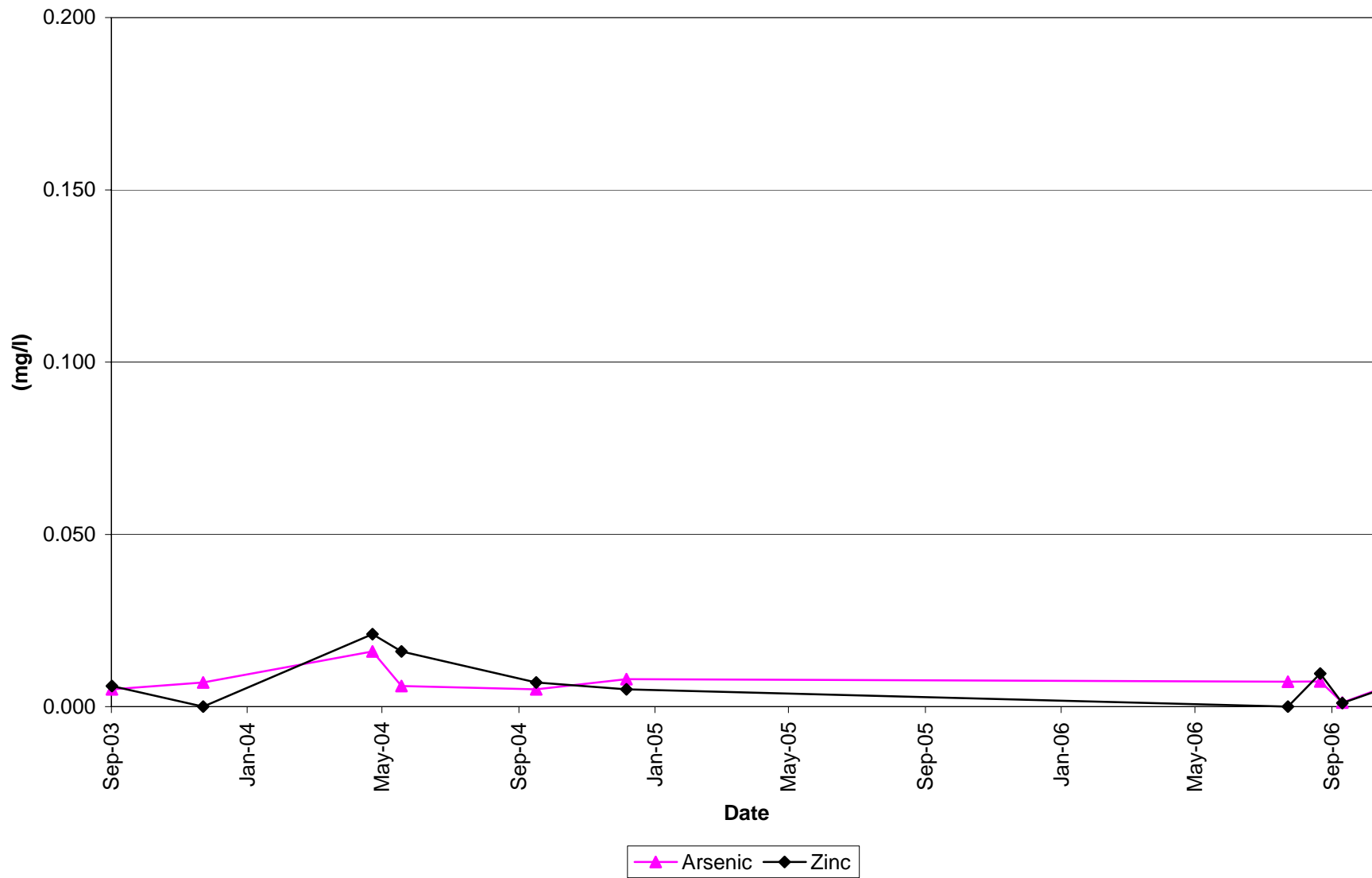
BC-39: Laura Creek at confluence with S. Klondike



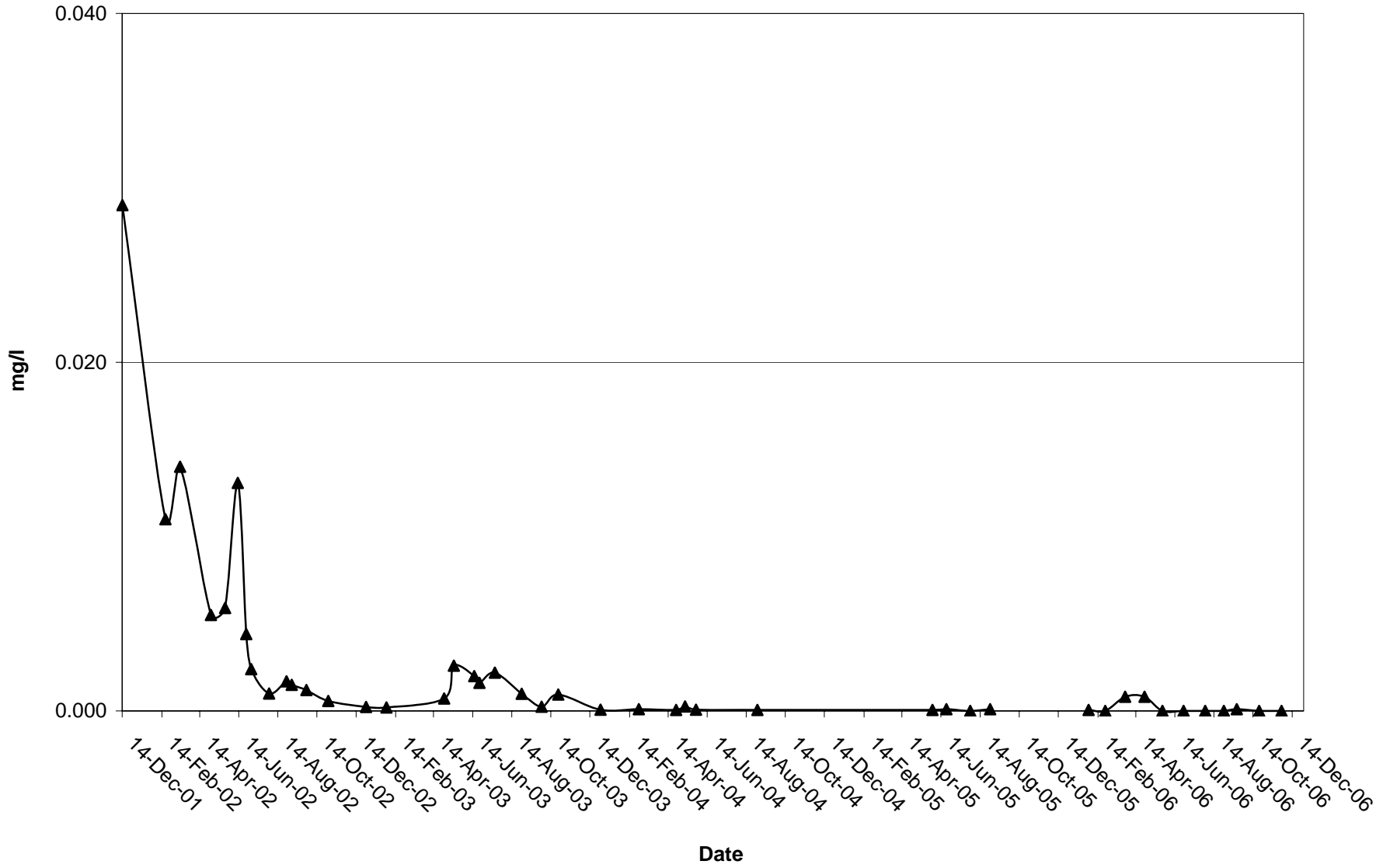
▲ Arsenic ◆ Zinc

Brewery Creek Mine

BC-53: Laura Creek 100m downstream of Ditch Road

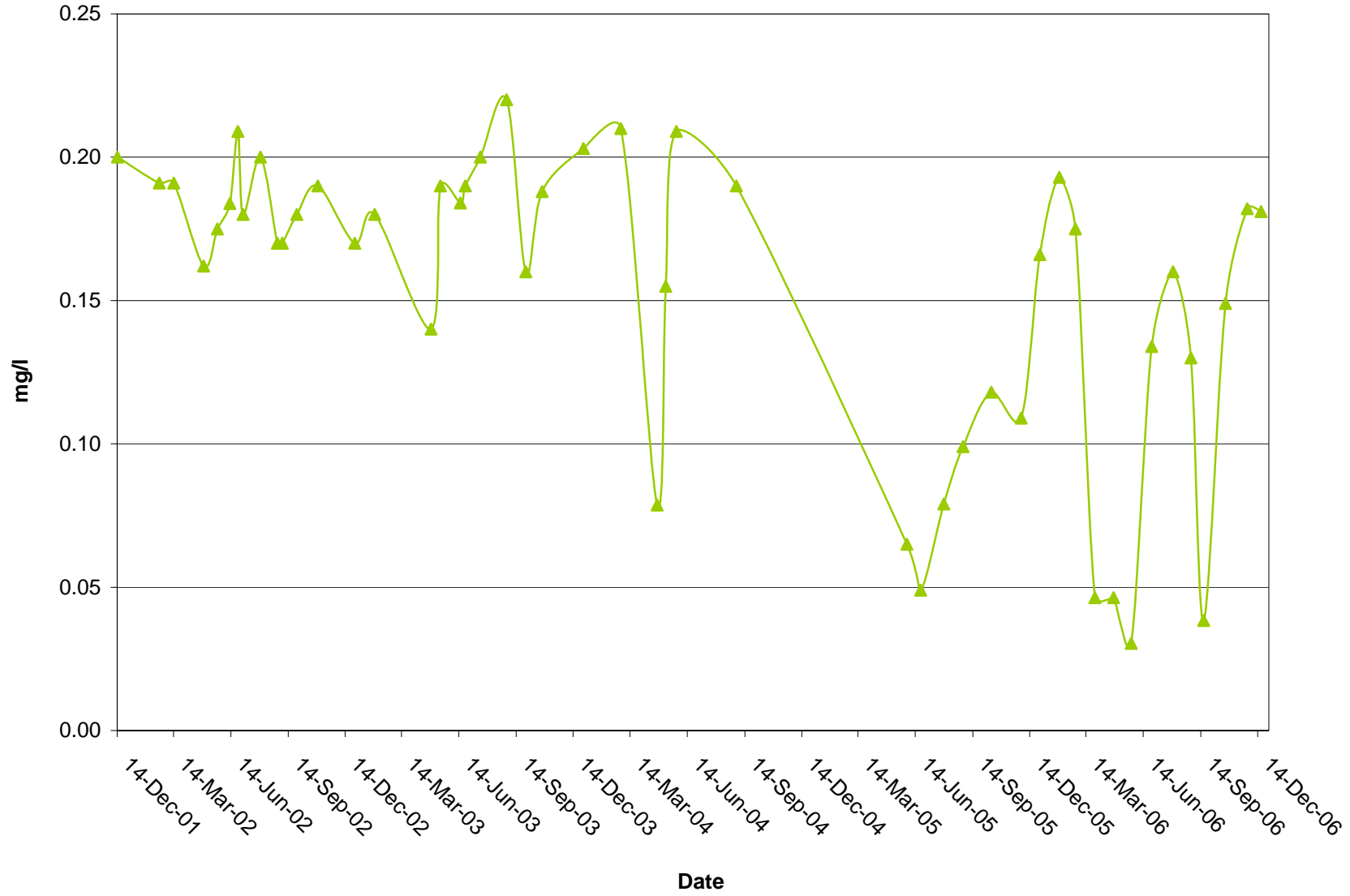


**BC 28a (Heap Effluent)
Mercury**



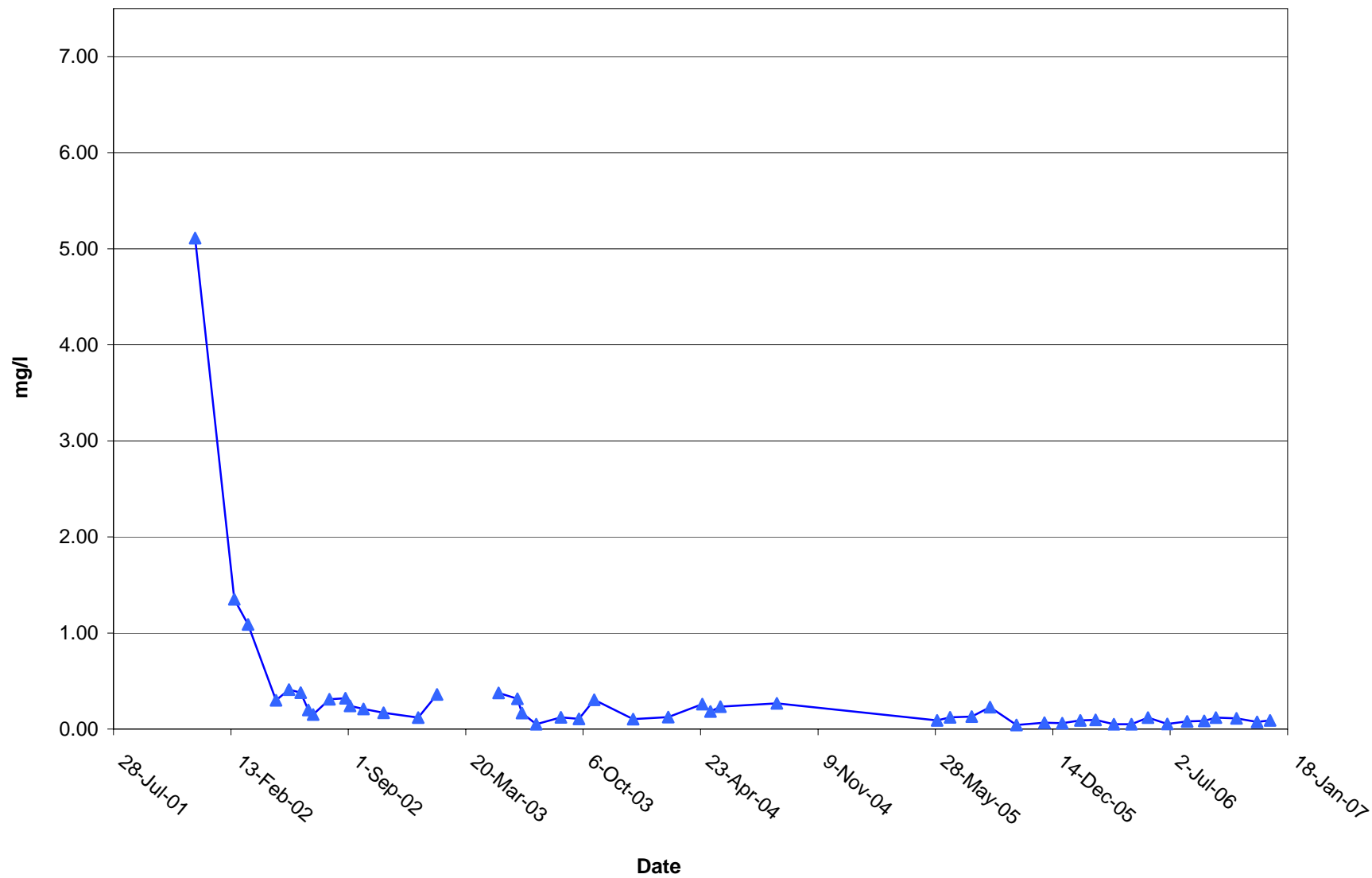
Brewery Creek Mine

BC-28a (Heap Effluent)
Selenium



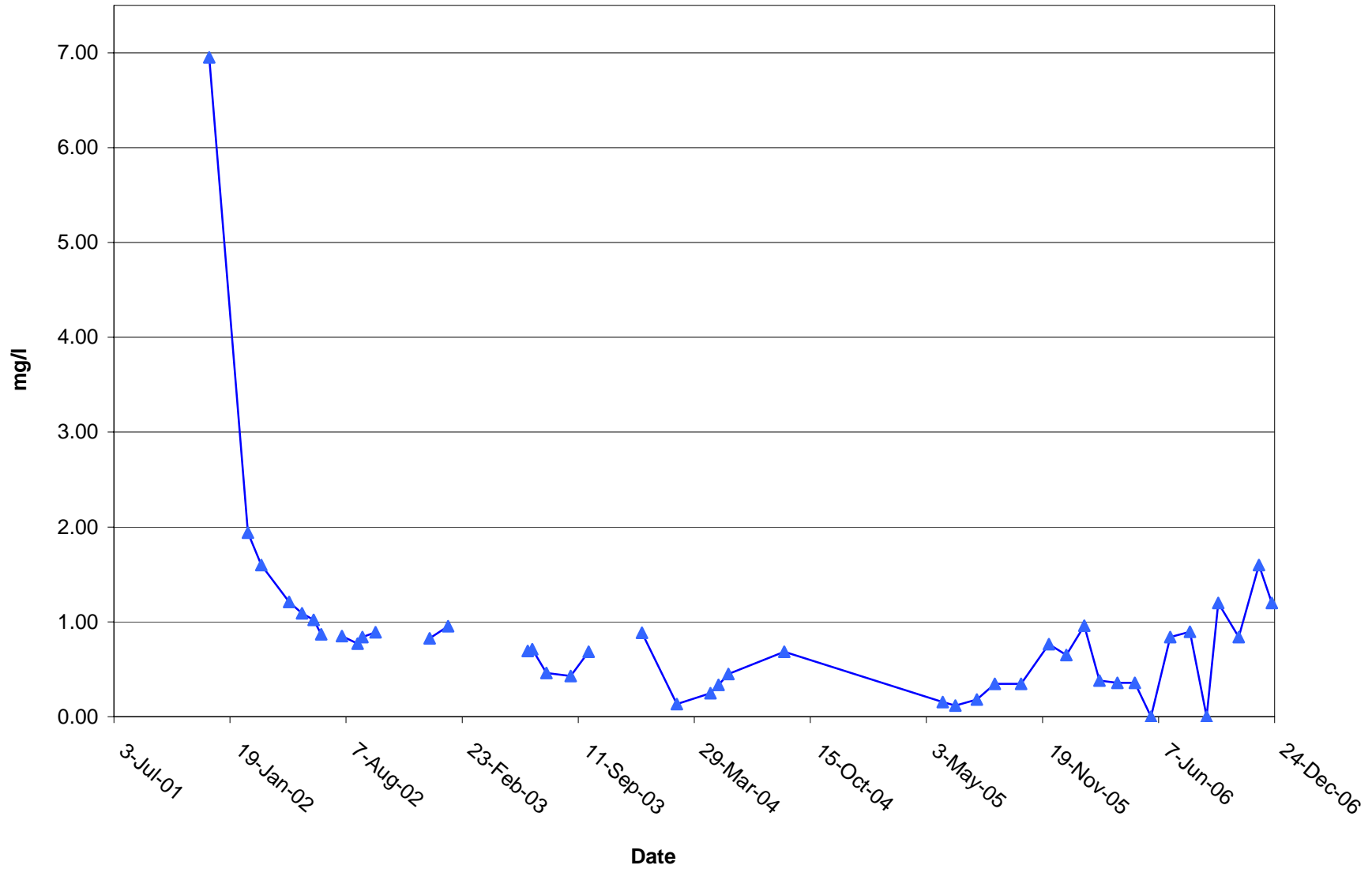
Brewery Creek Mine

BC-28a (Heap Effluent)
WAD Cyanide



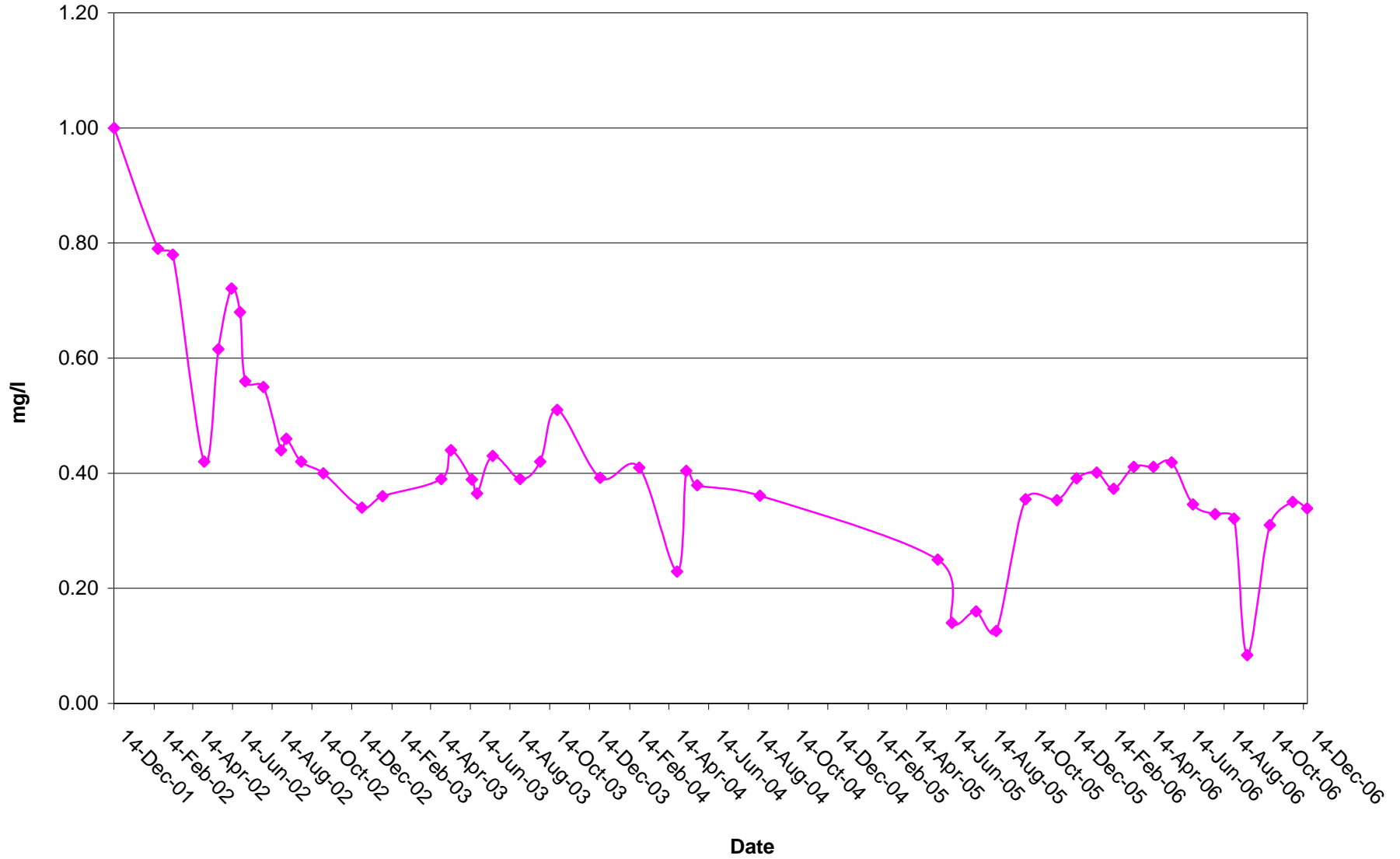
Brewery Creek Mine

BC-28a (Heap Effluent)
Total Cyanide



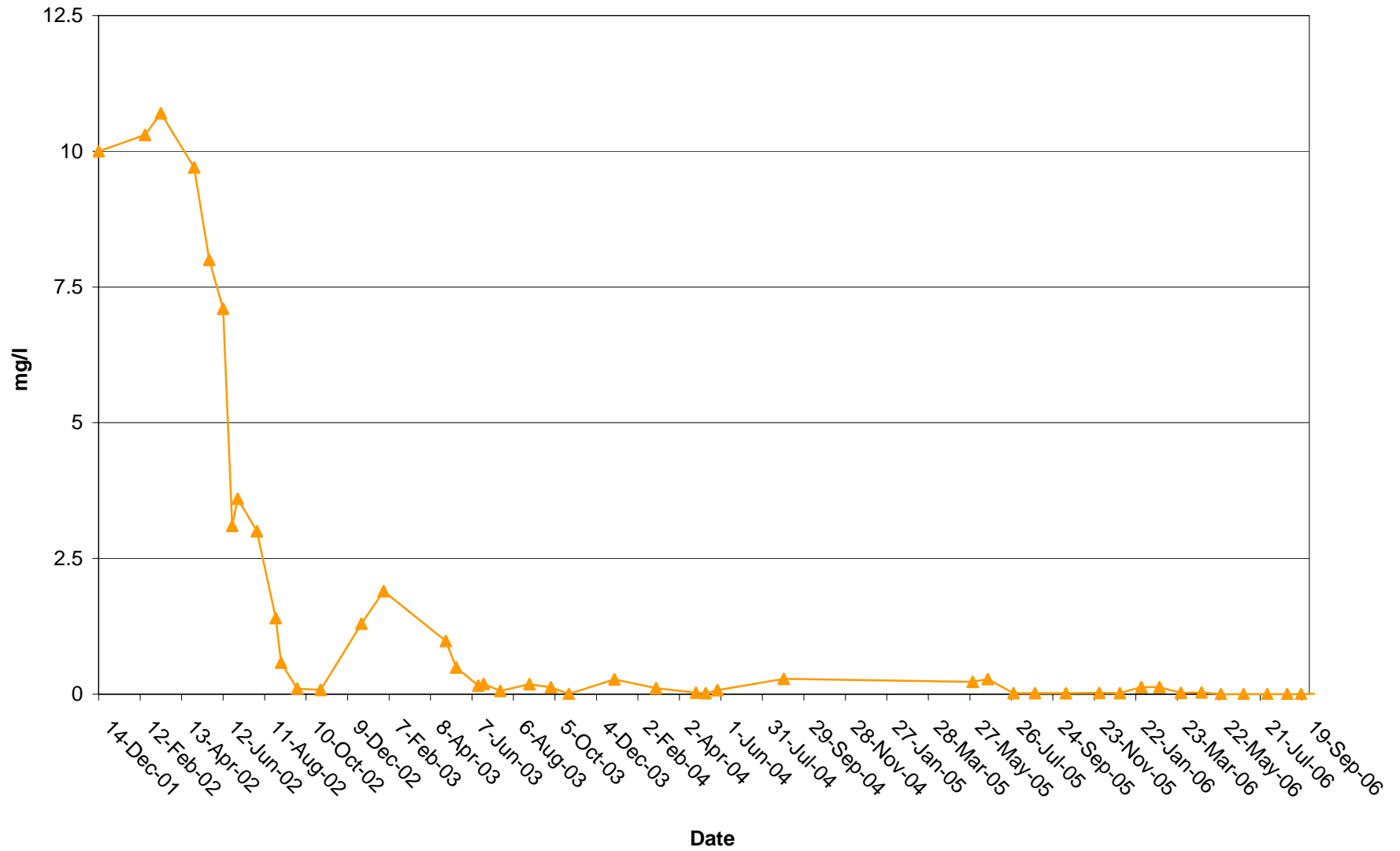
Brewery Creek Mine

BC-28a (Heap Effluent)
Arsenic



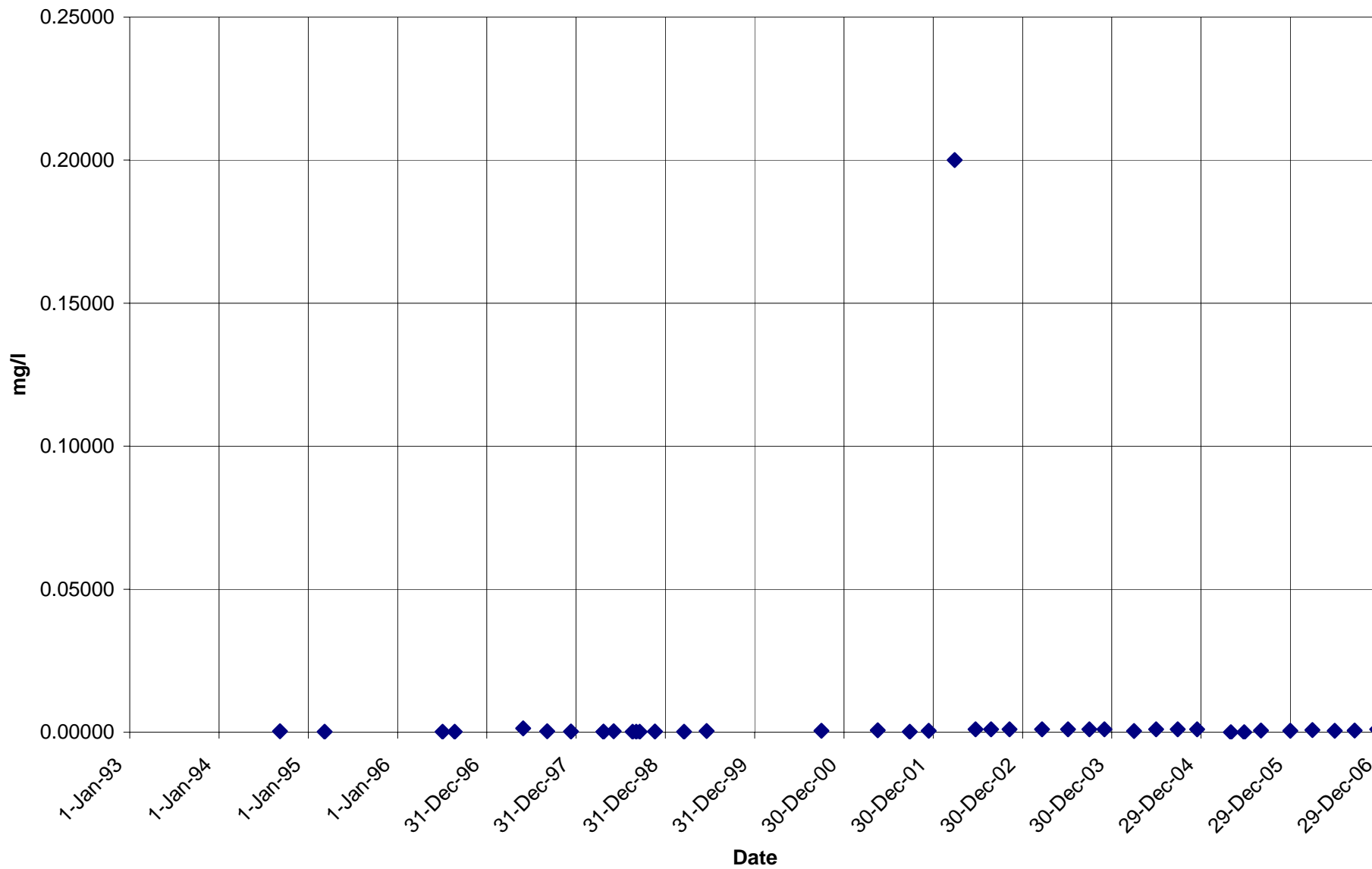
Brewery Creek Mine

BC-28a (Heap Effluent)
Ammonia



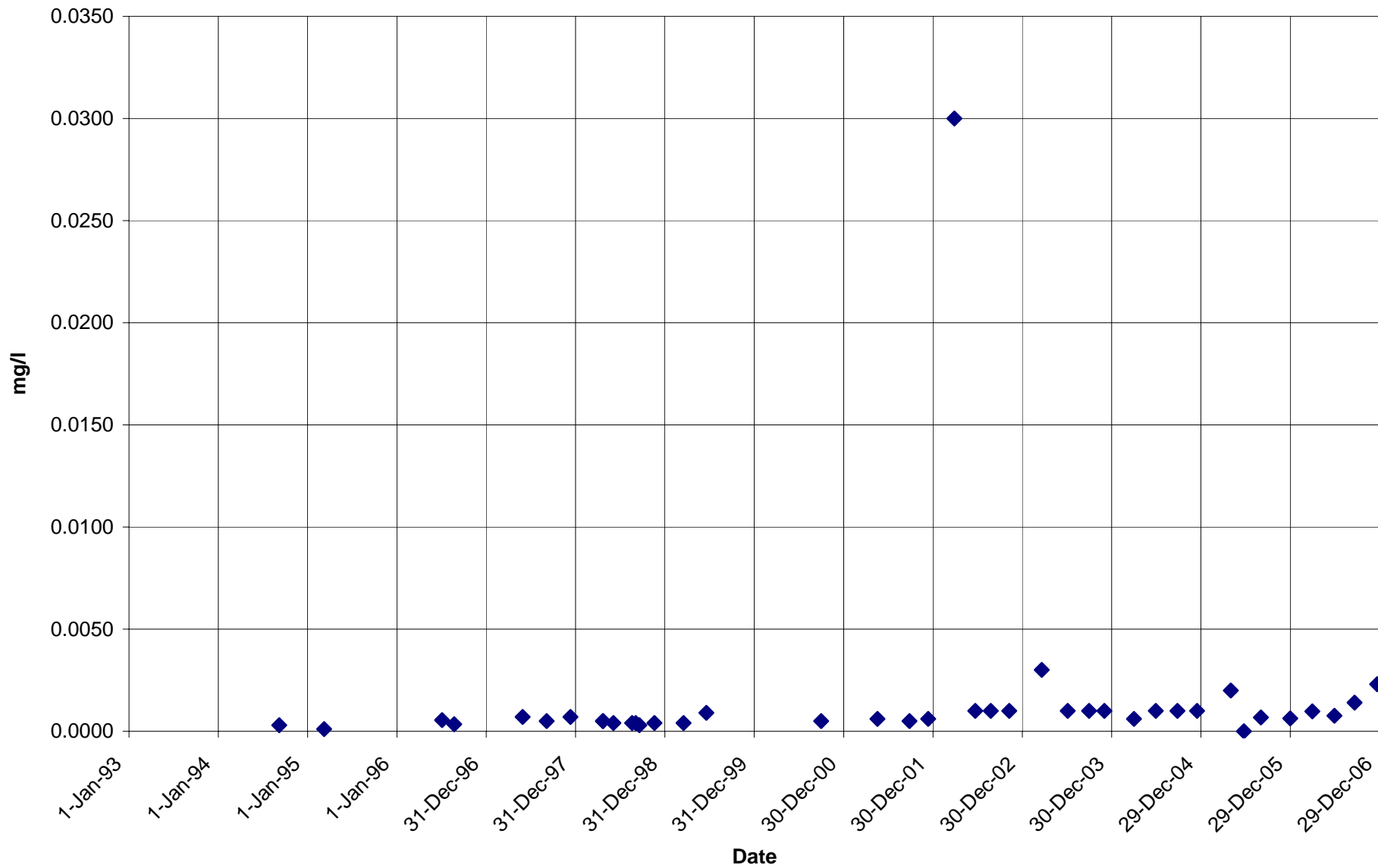
Brewery Creek Mine

BC-19
Antimony



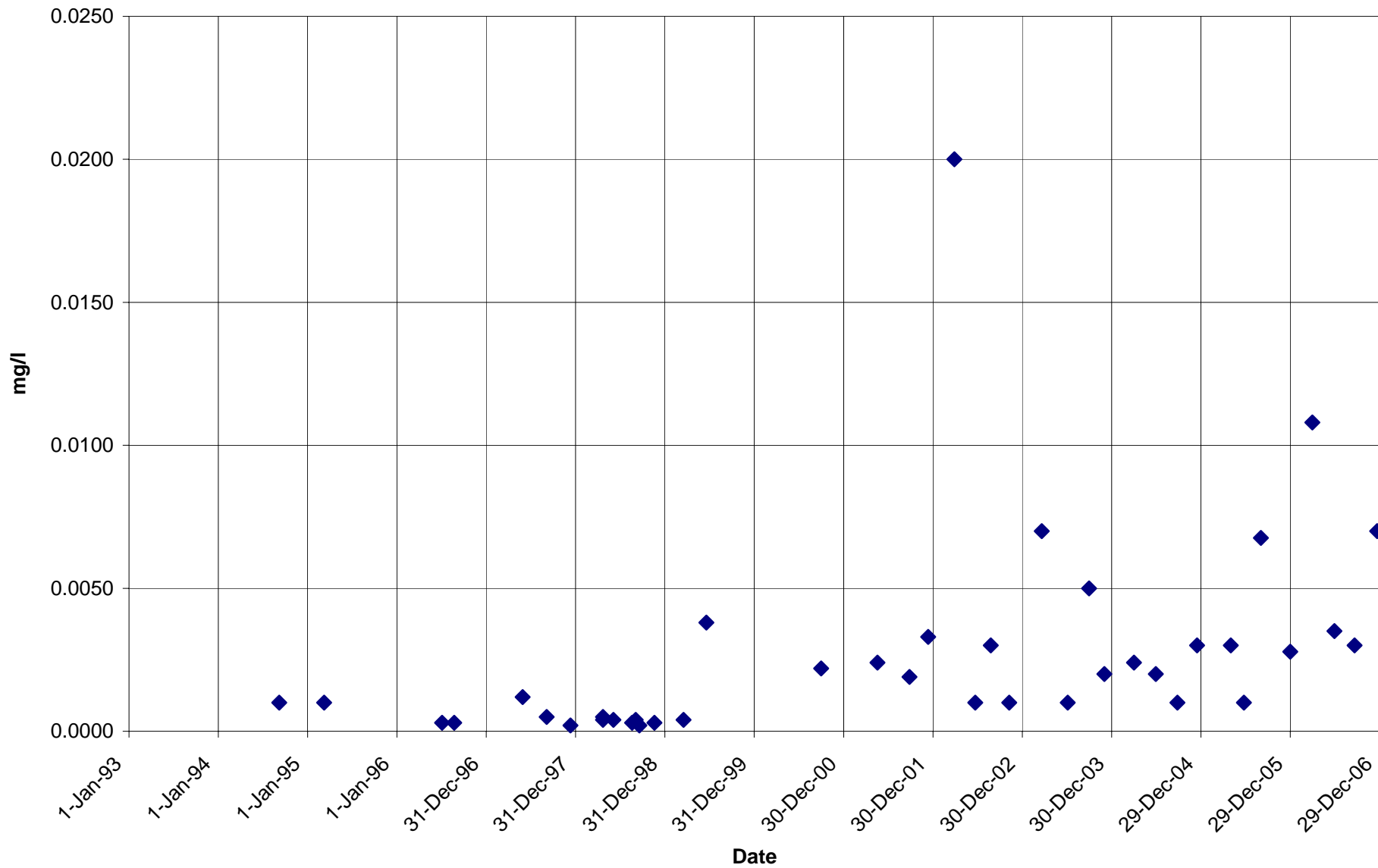
Brewery Creek Mine

BC-19
Arsenic



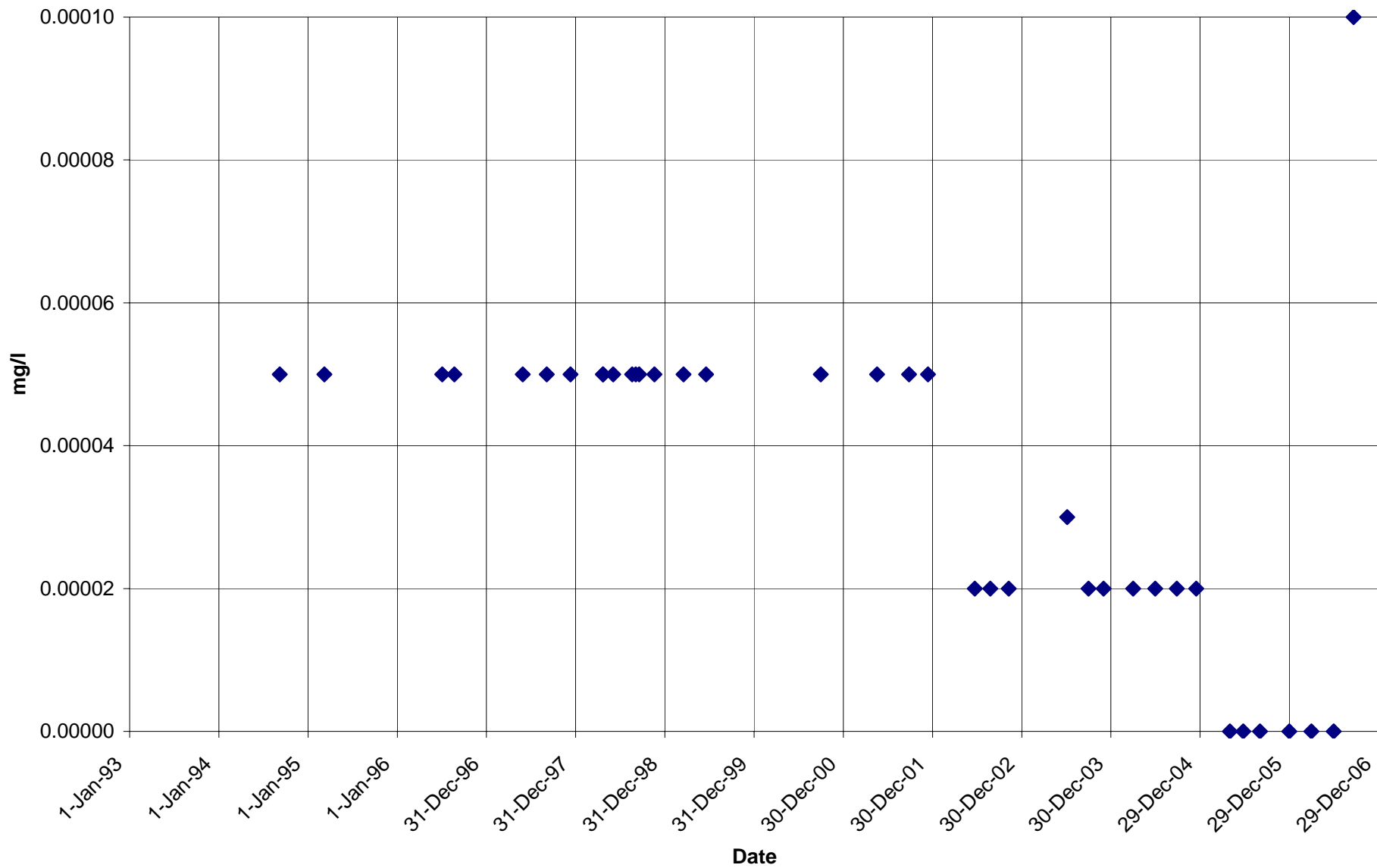
Brewery Creek Mine

BC-19
Copper



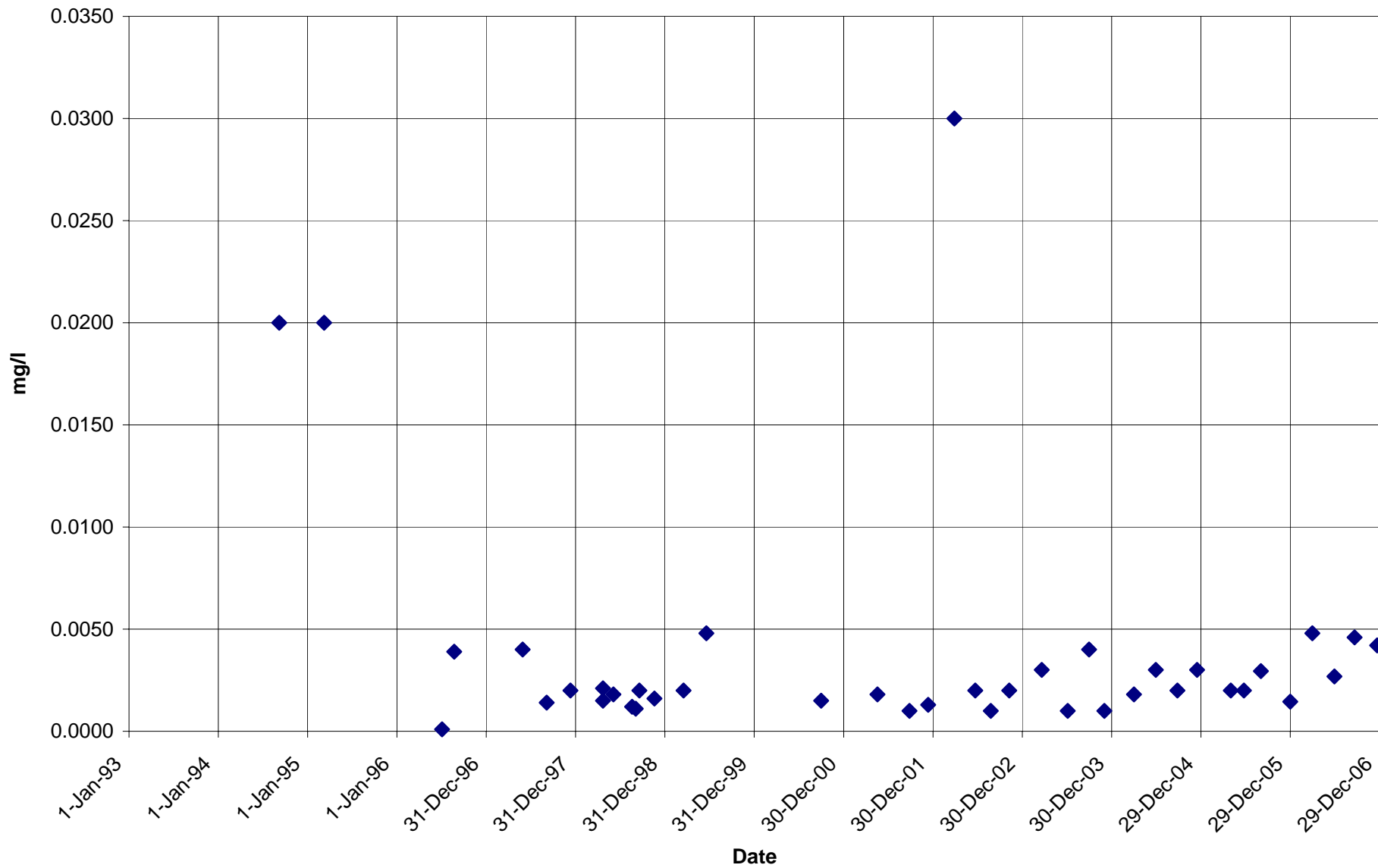
Brewery Creek Mine

BC-19
Mercury



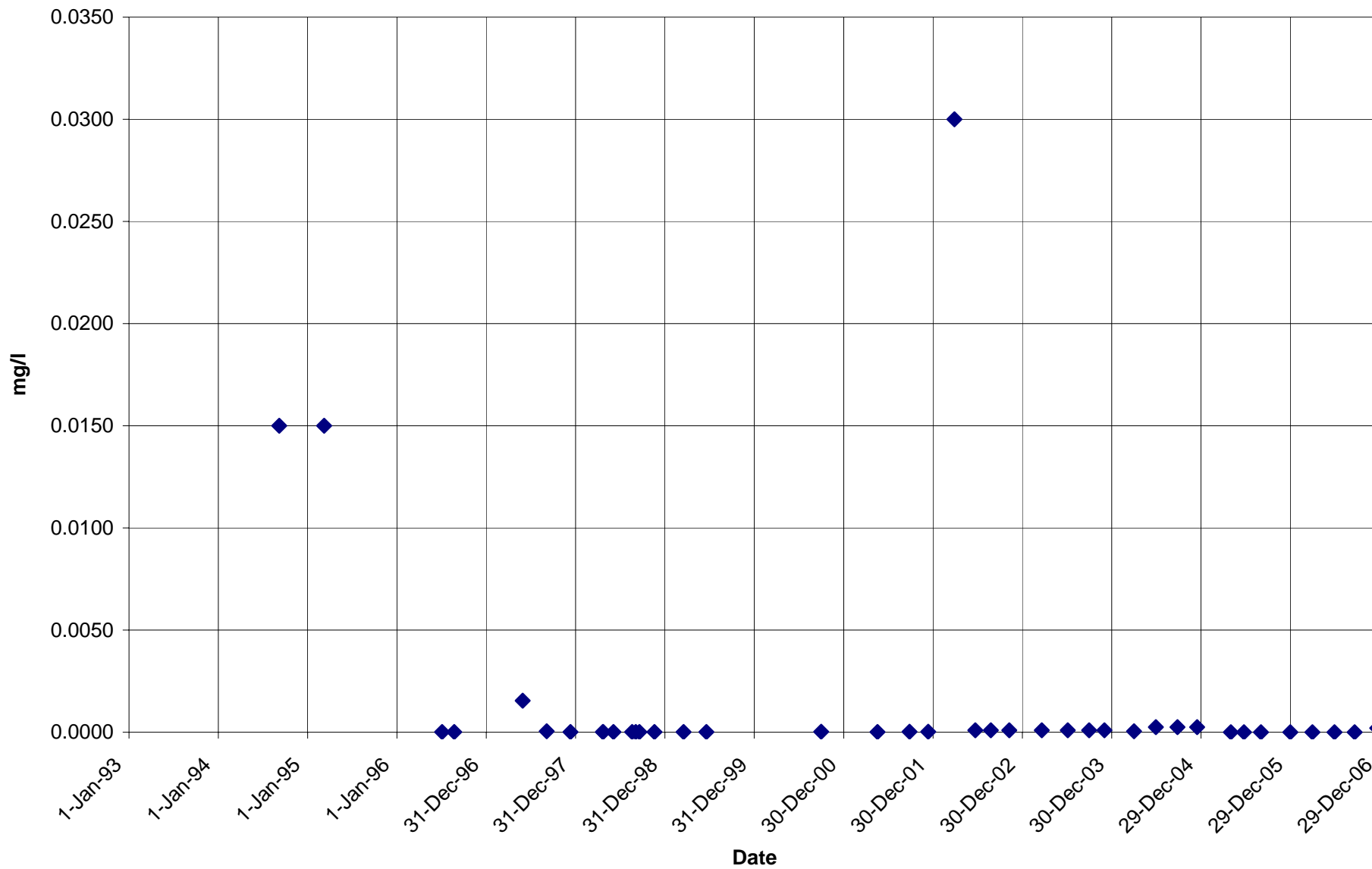
Brewery Creek Mine

BC-19
Nickel



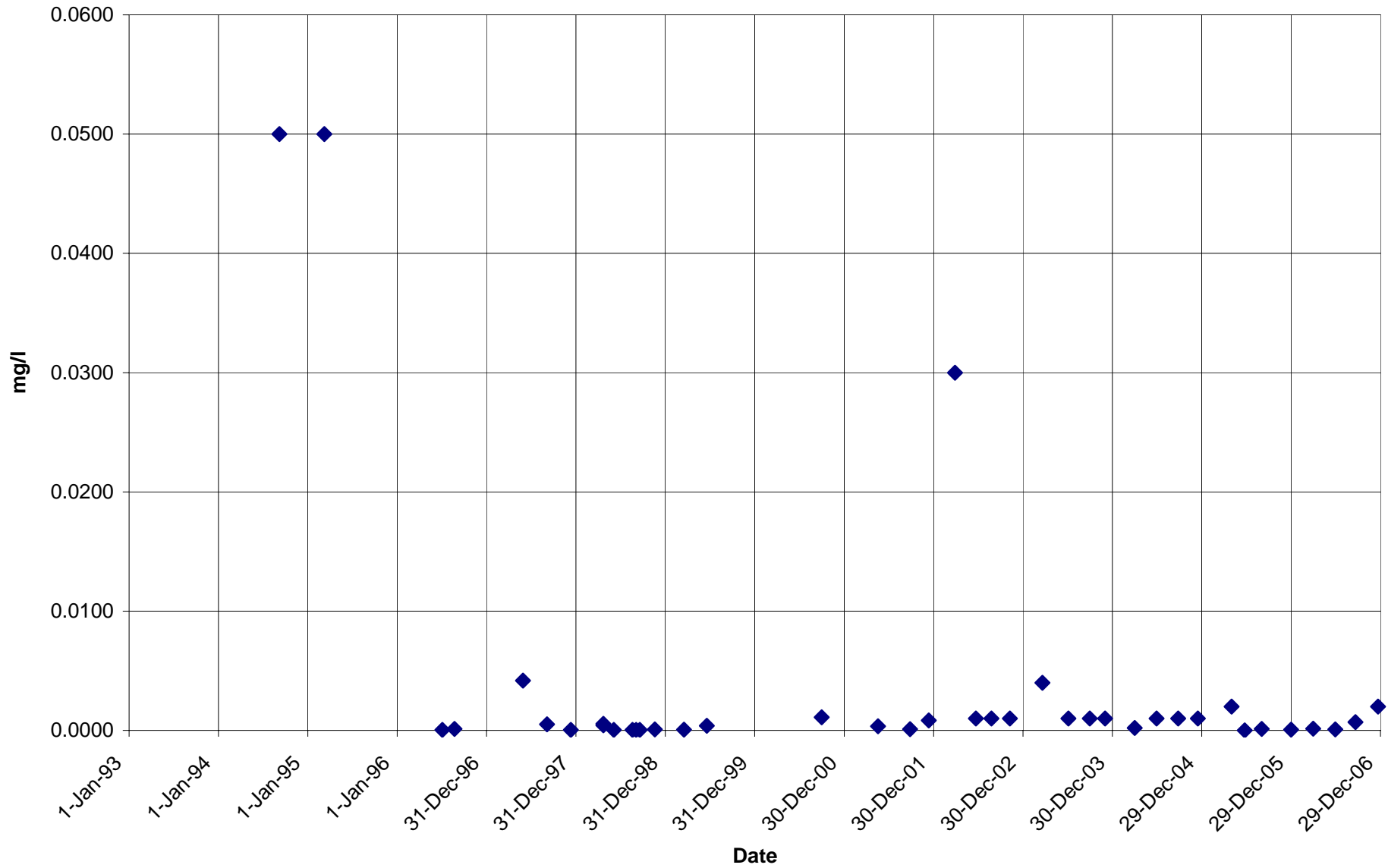
Brewery Creek Mine

BC-19
Silver



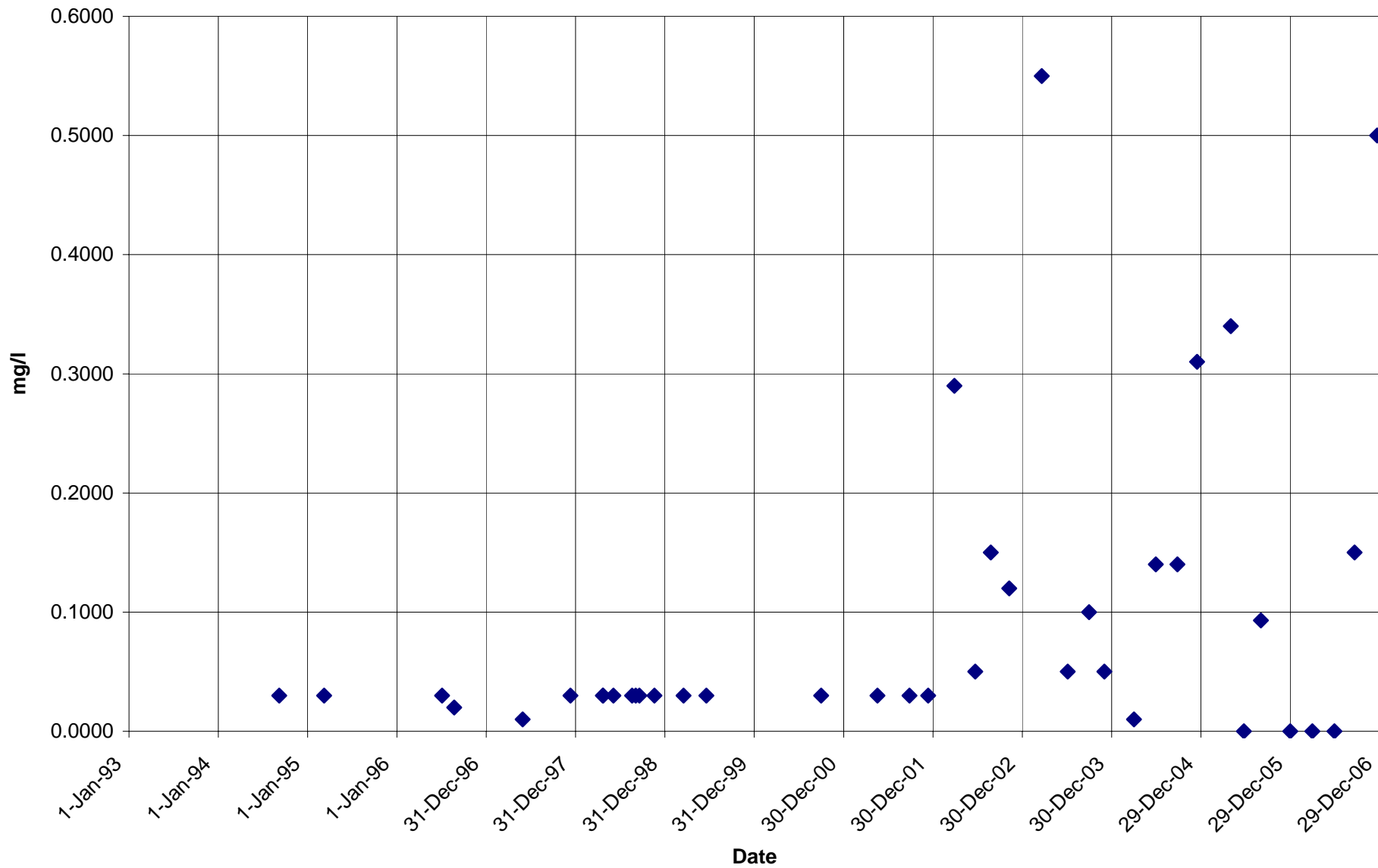
Brewery Creek Mine

BC-19
Lead



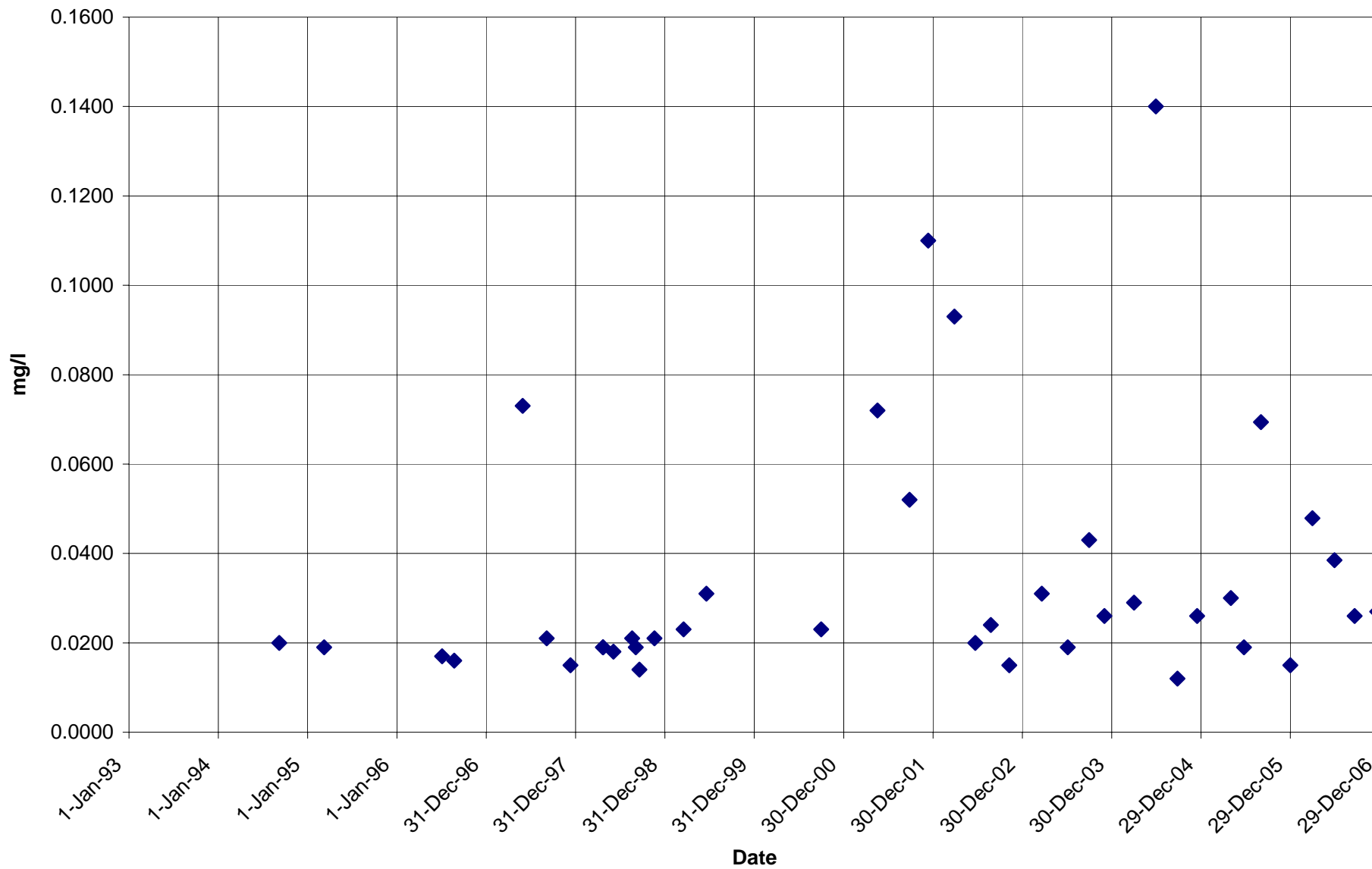
Brewery Creek Mine

BC-19
Iron



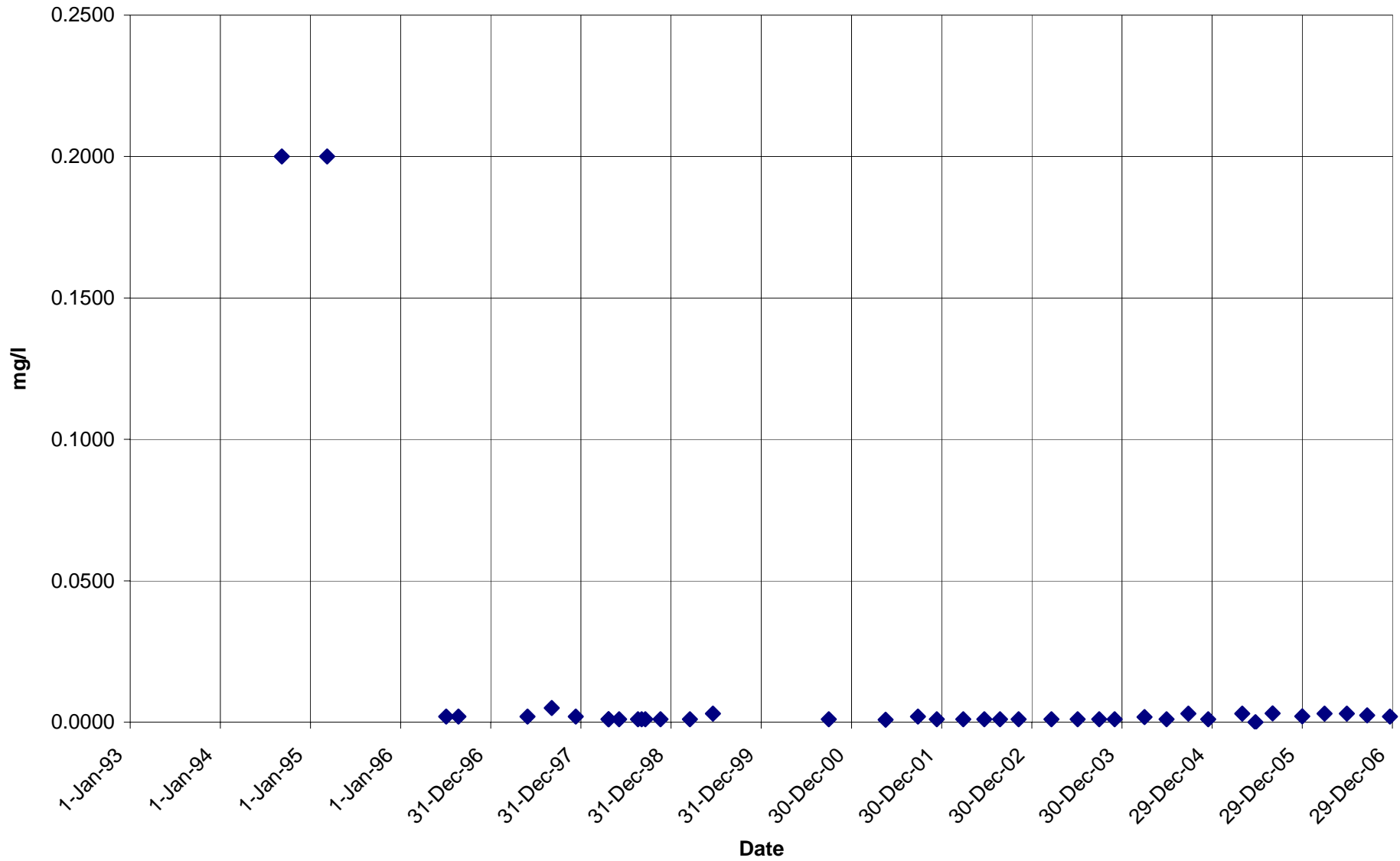
Brewery Creek Mine

BC-19
Zinc



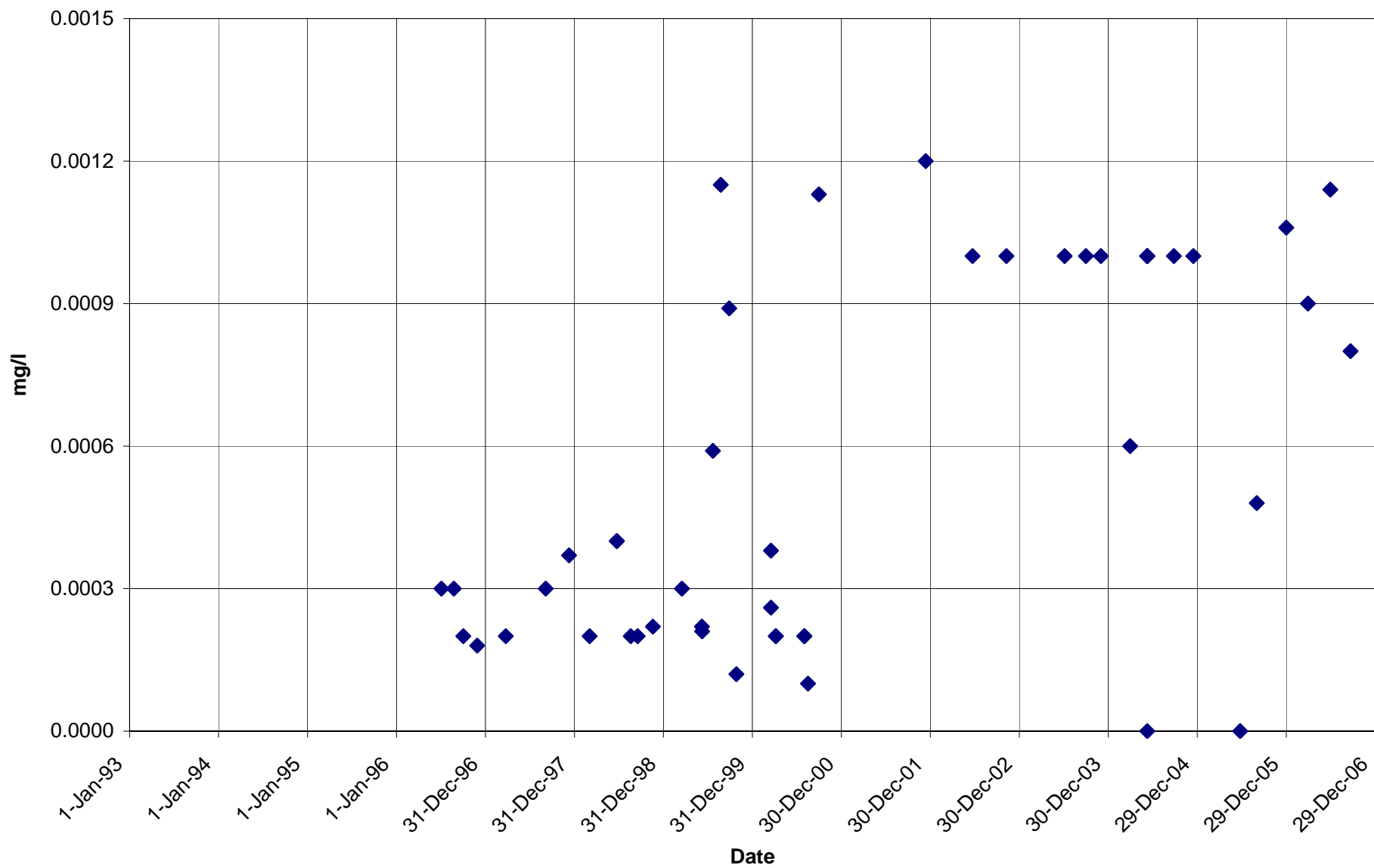
Brewery Creek Mine

BC-19
Selenium



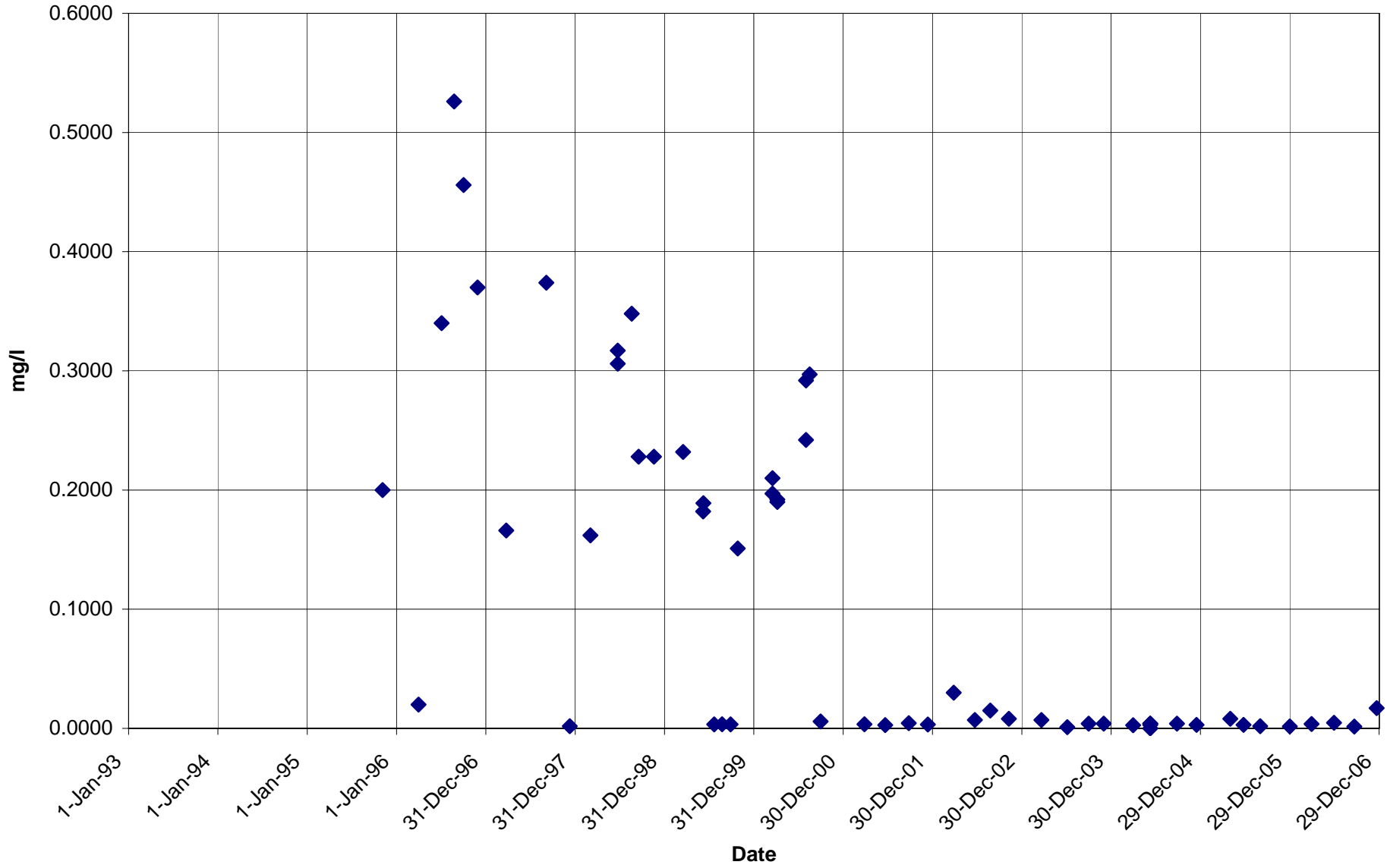
Brewery Creek Mine

BC-21
Antimony



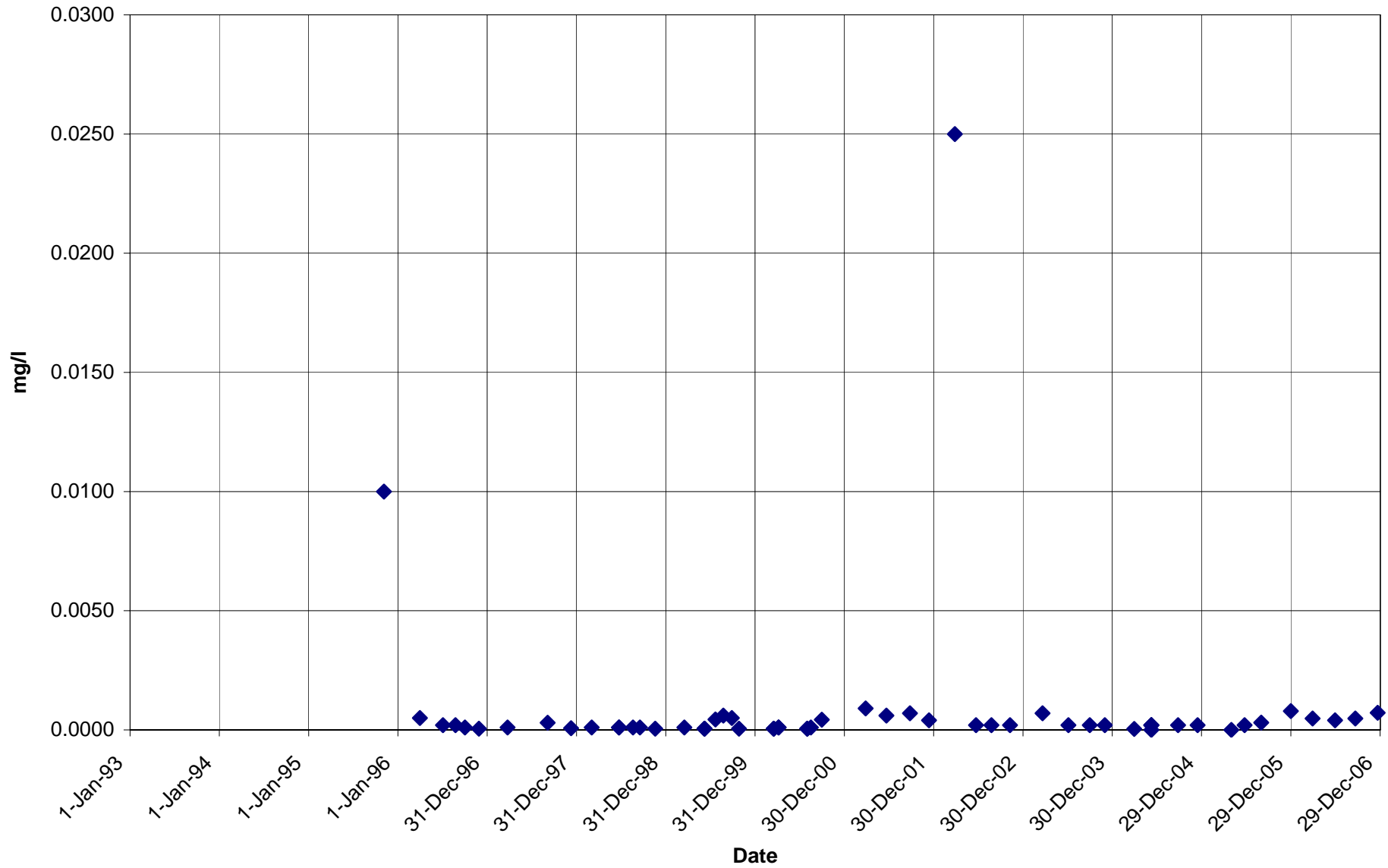
Brewery Creek Mine

BC-21
Arsenic



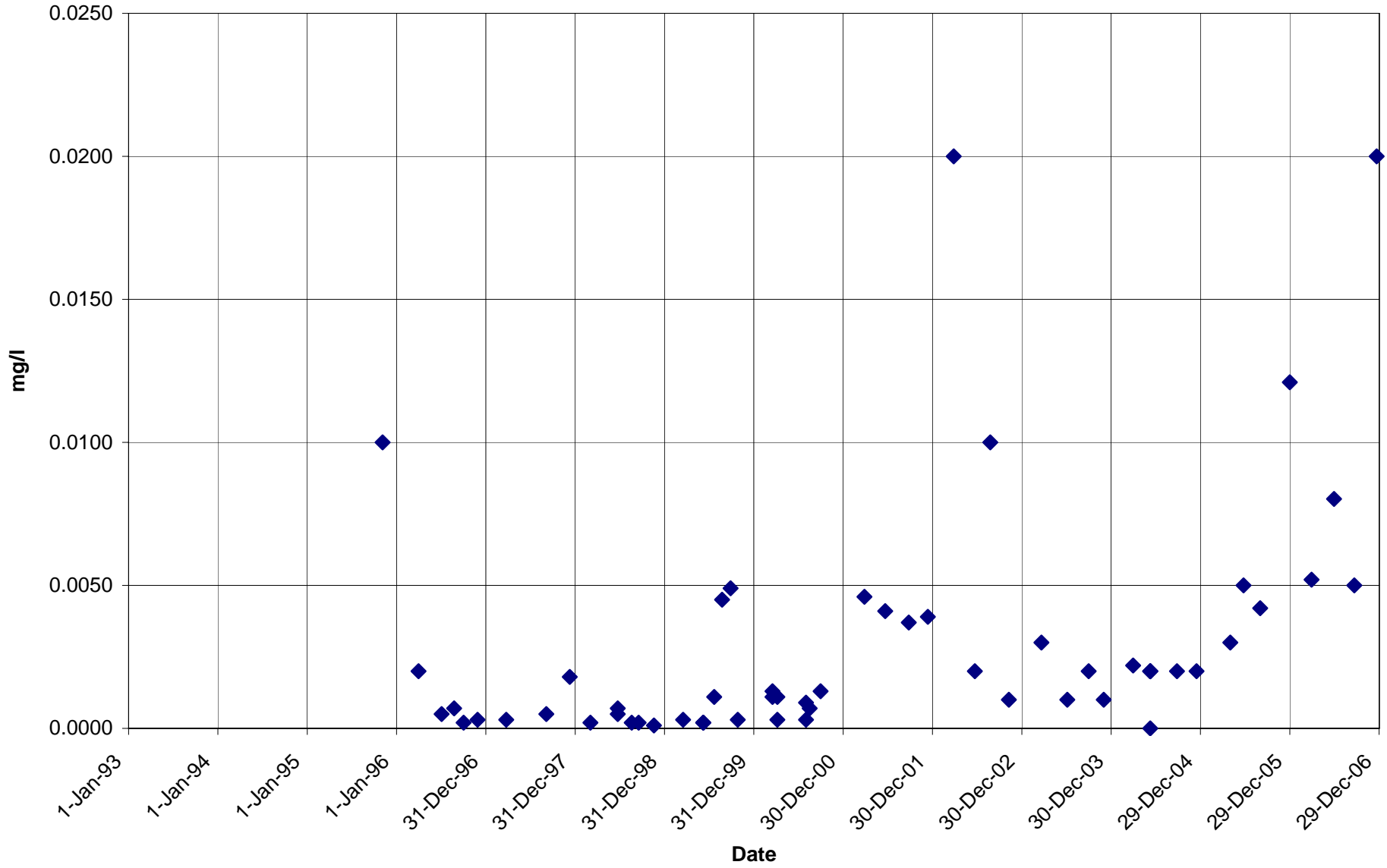
Brewery Creek Mine

BC-21
Cadmium



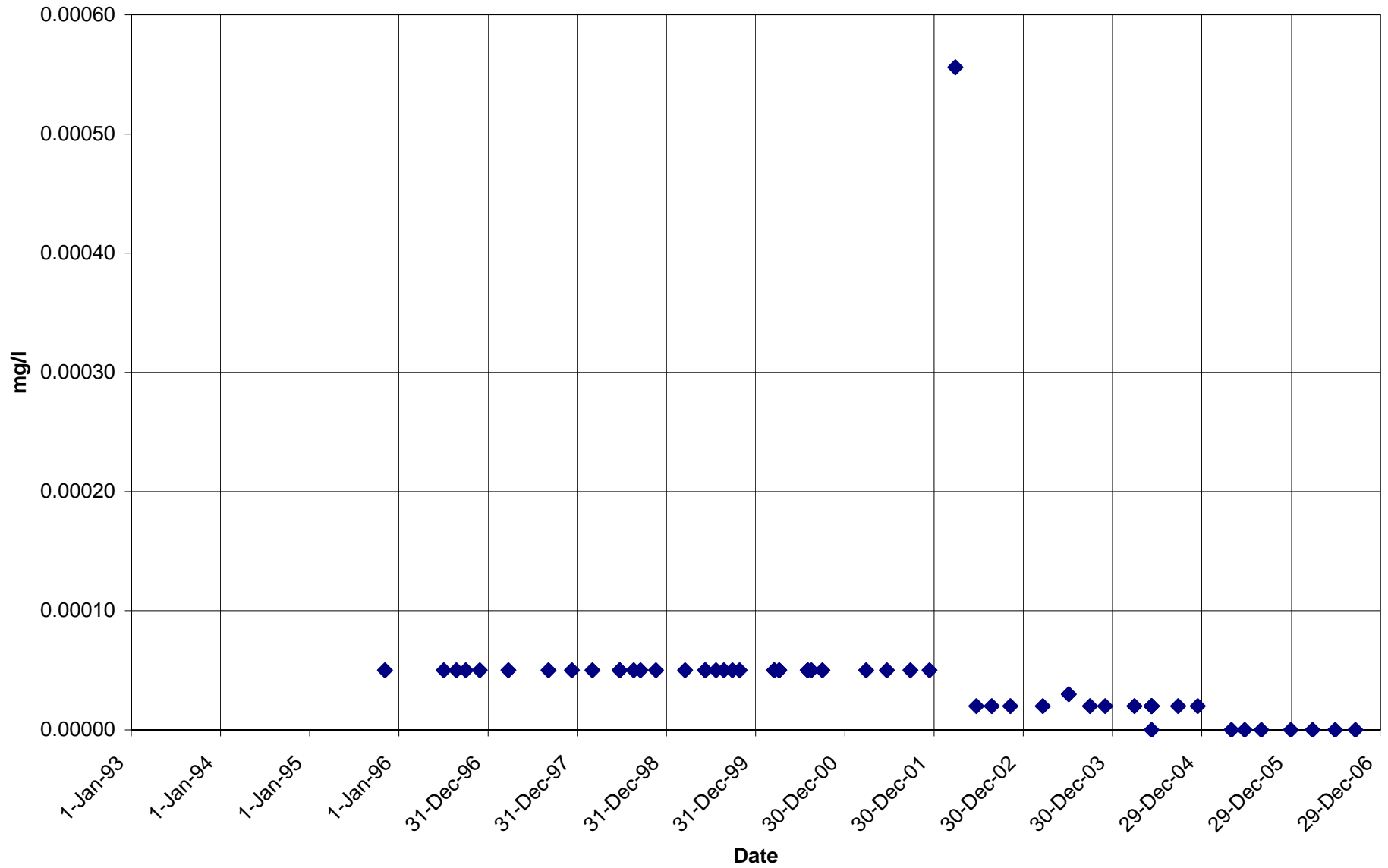
Brewery Creek Mine

BC-21
Copper



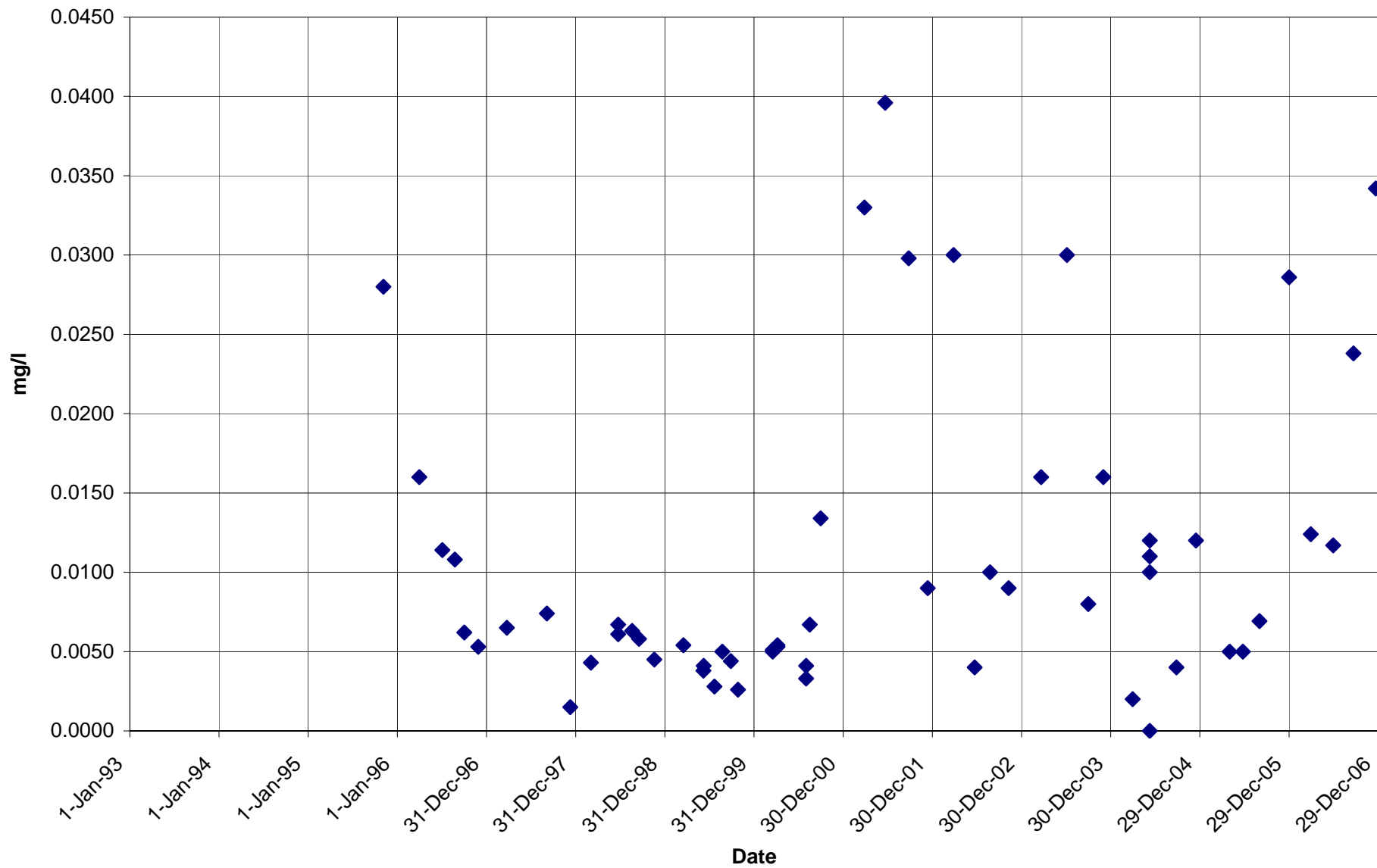
Brewery Creek Mine

BC-21
Mercury



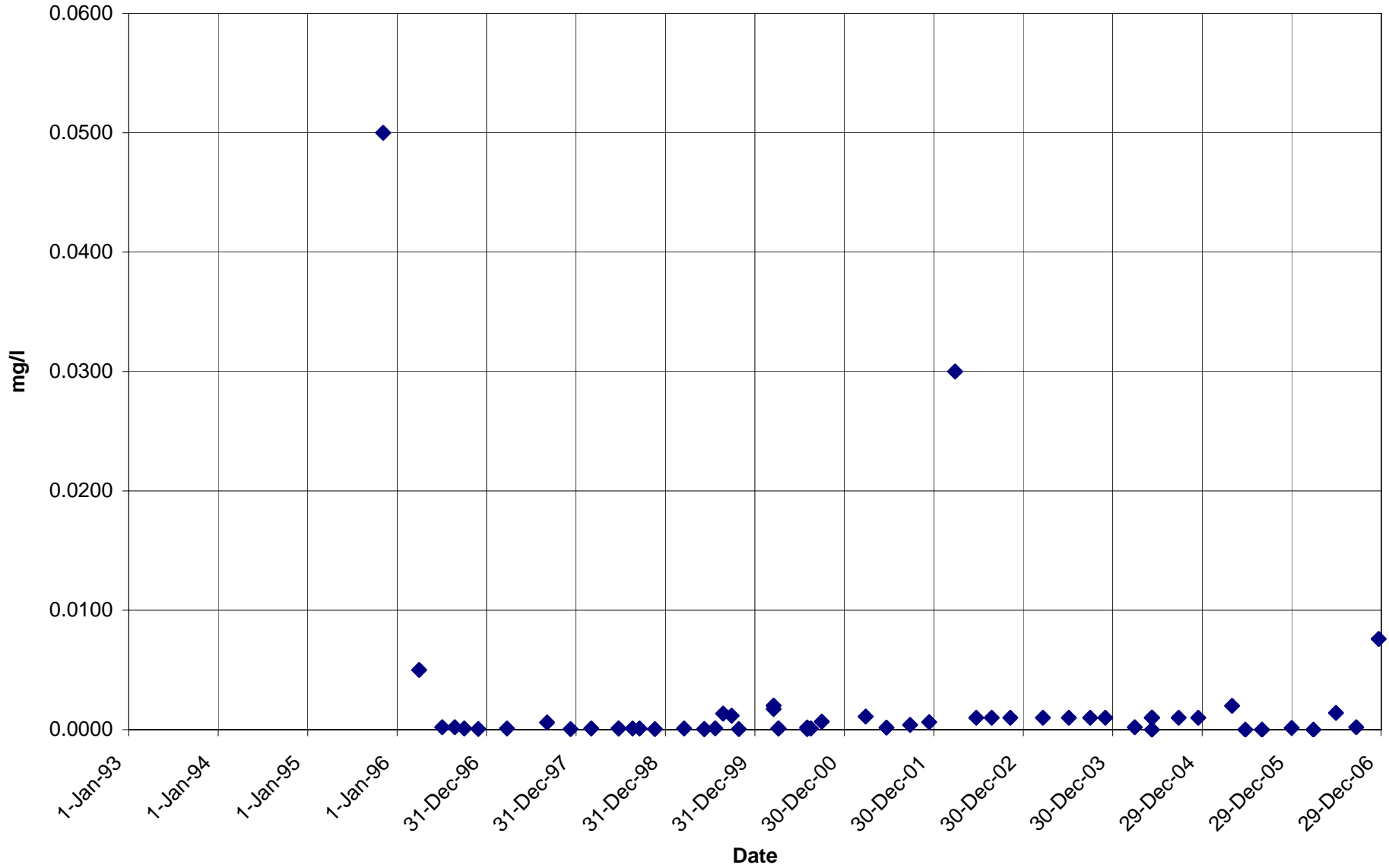
Brewery Creek Mine

BC-21
Nickel



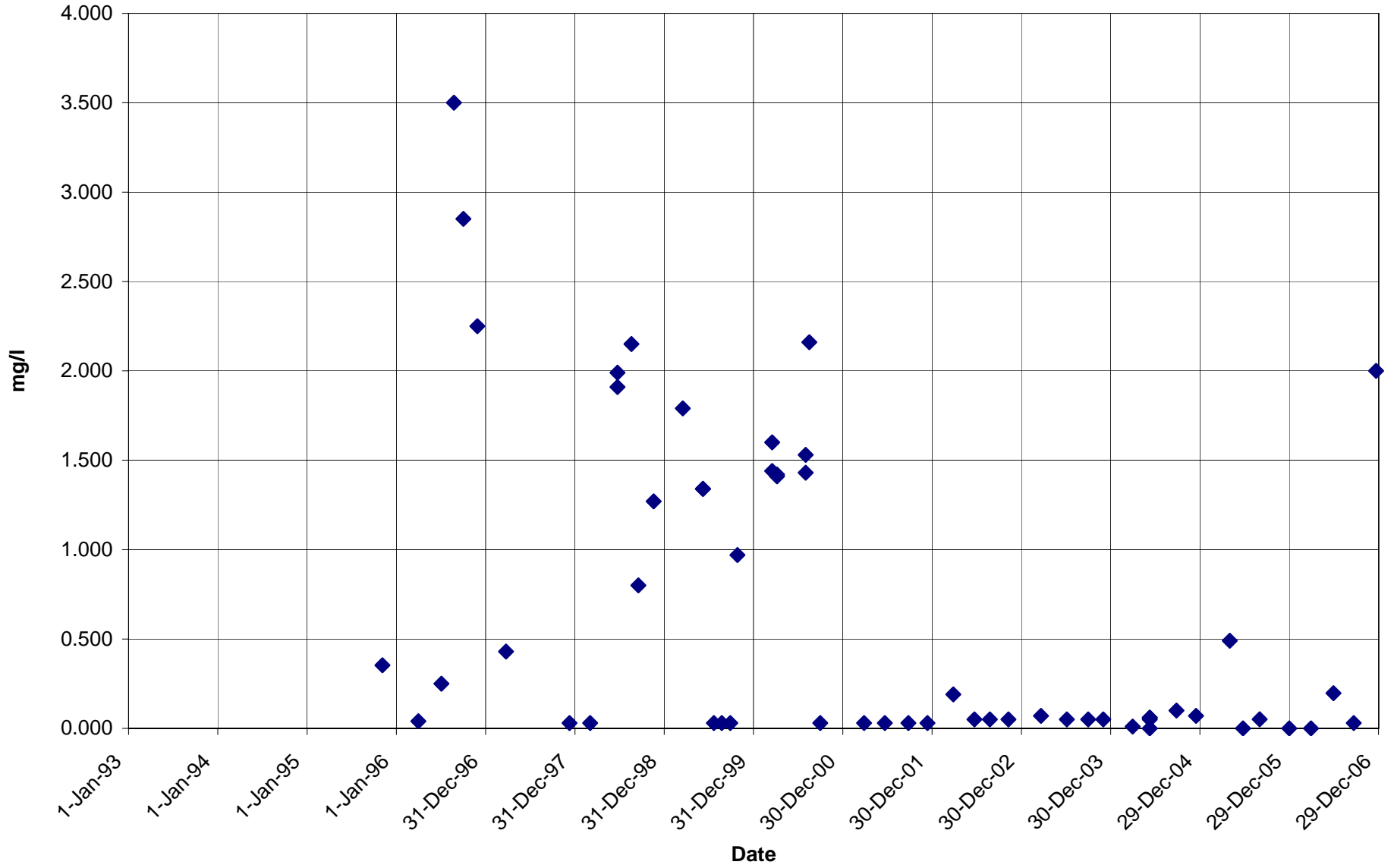
Brewery Creek Mine

BC-21
Lead



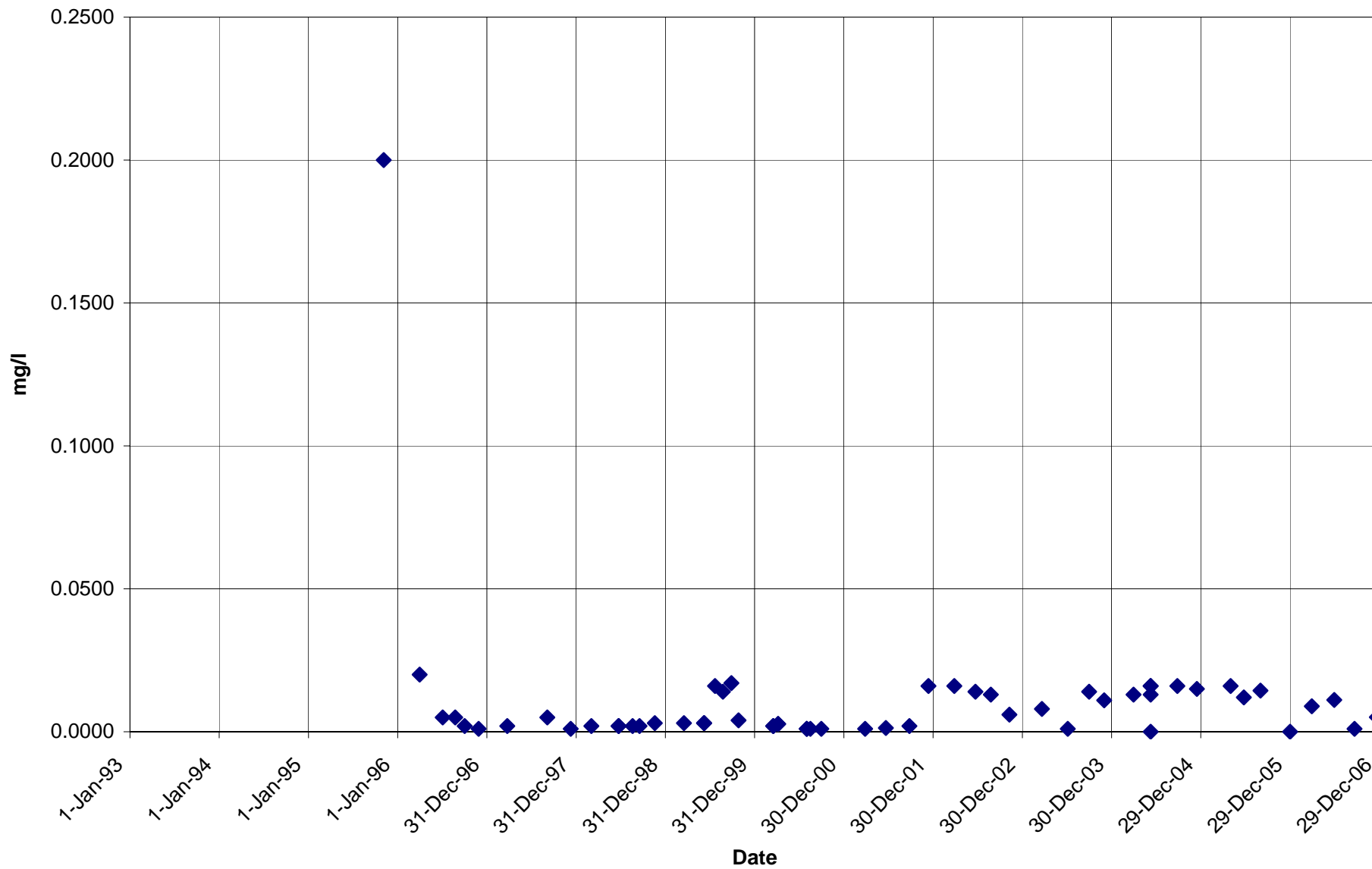
Brewery Creek Mine

BC-21
Iron



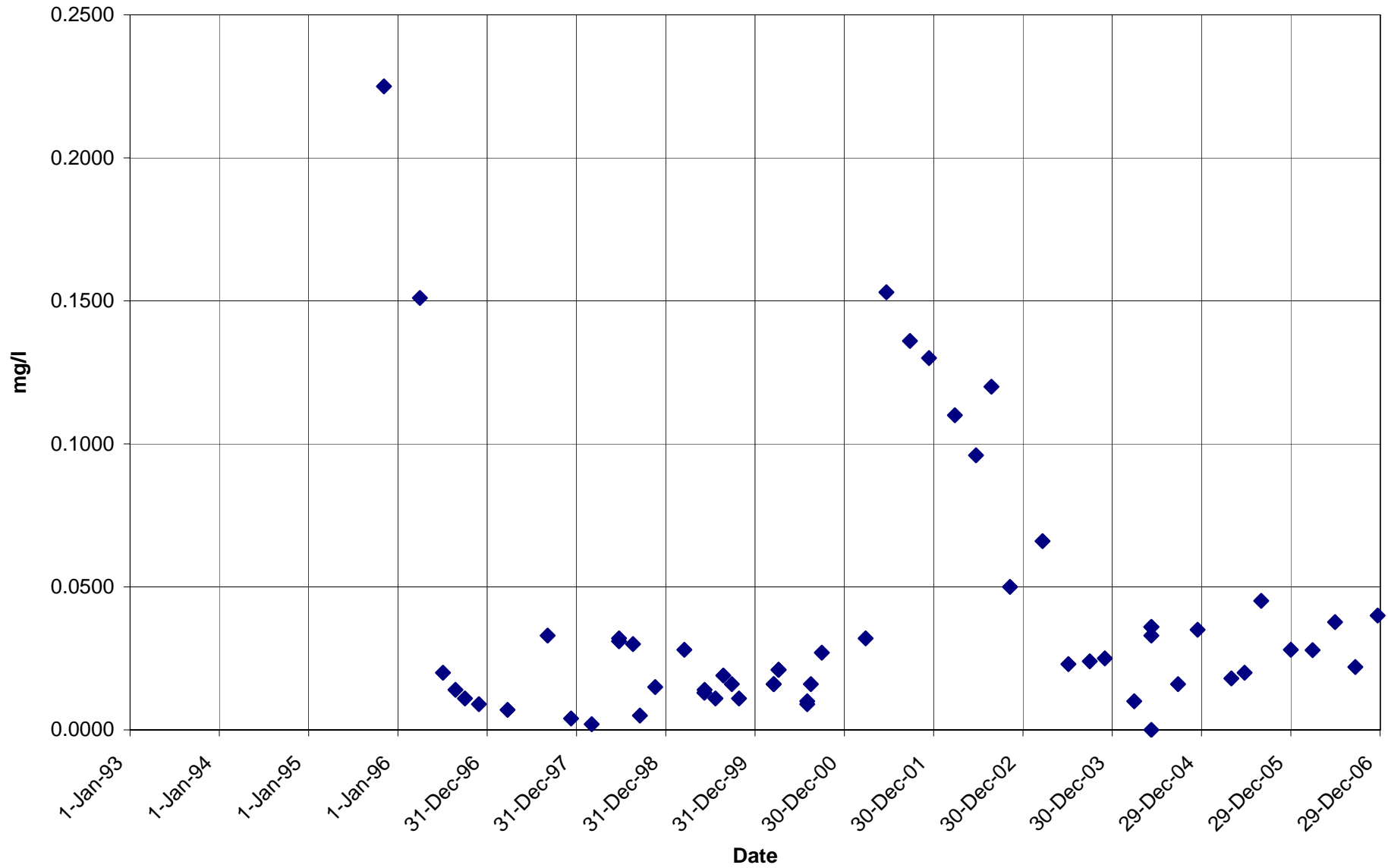
Brewery Creek Mine

BC-21
Selenium



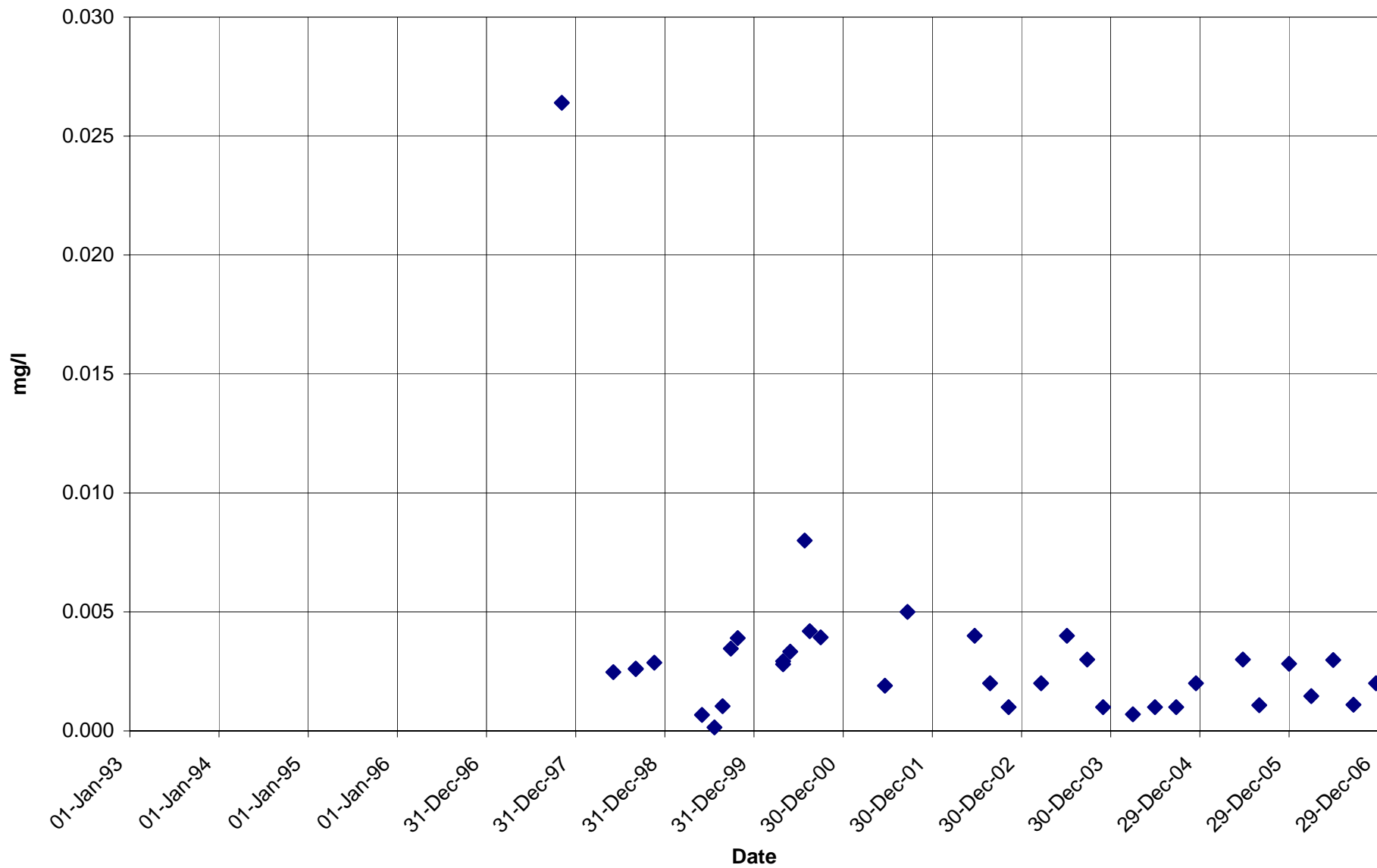
Brewery Creek Mine

BC-21
Zinc



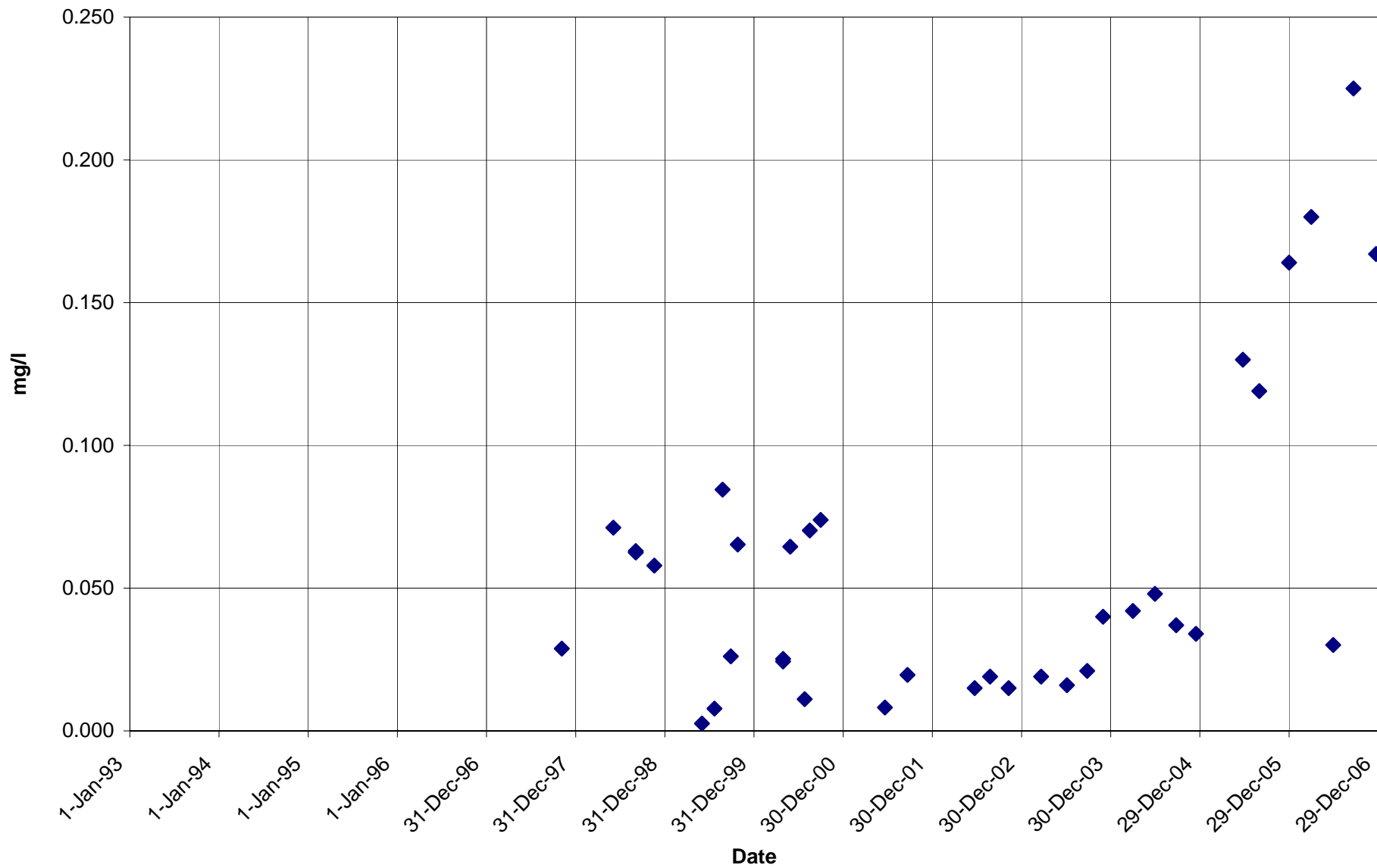
Brewery Creek Mine

BC-27
Antimony



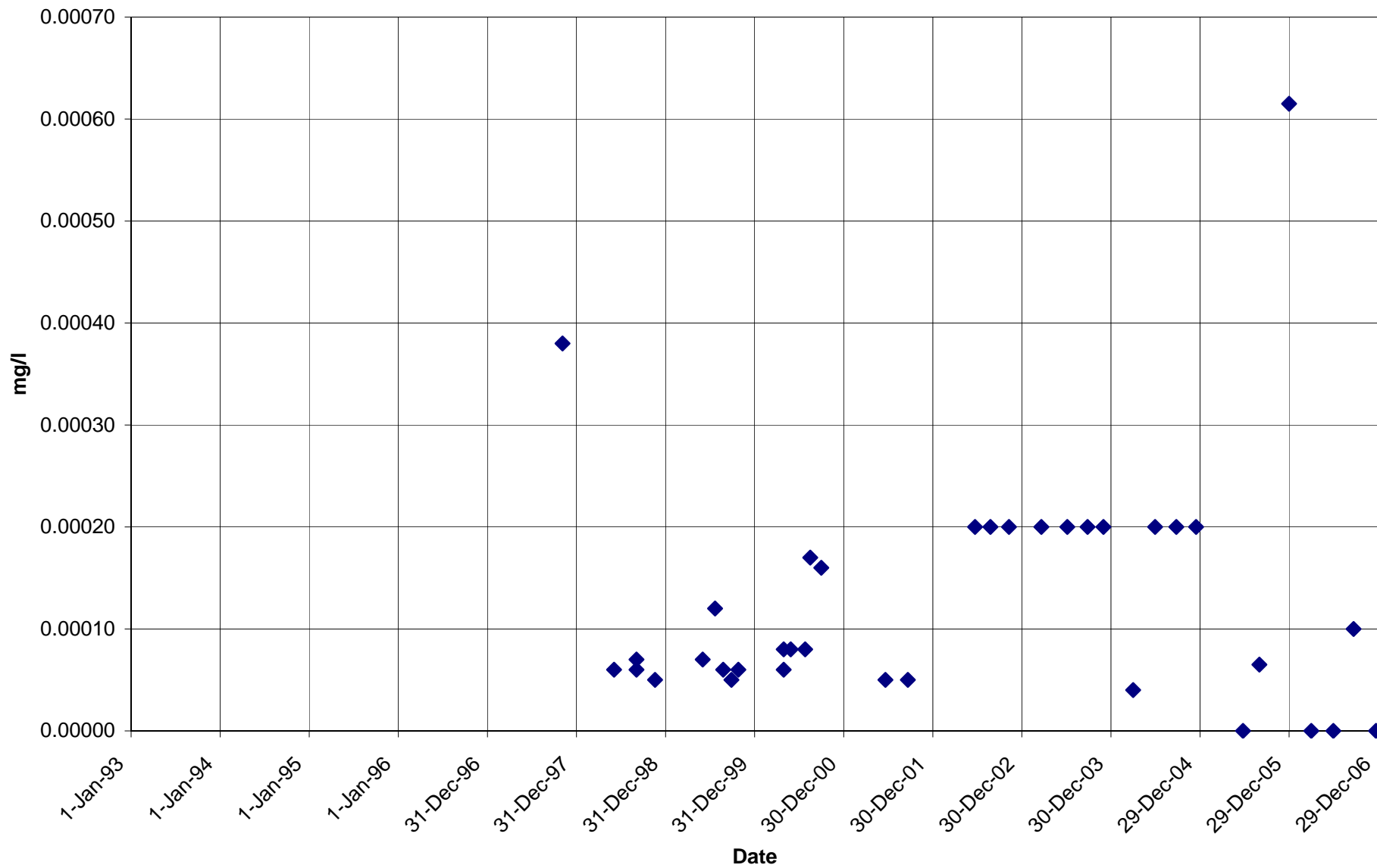
Brewery Creek Mine

BC-27
Arsenic



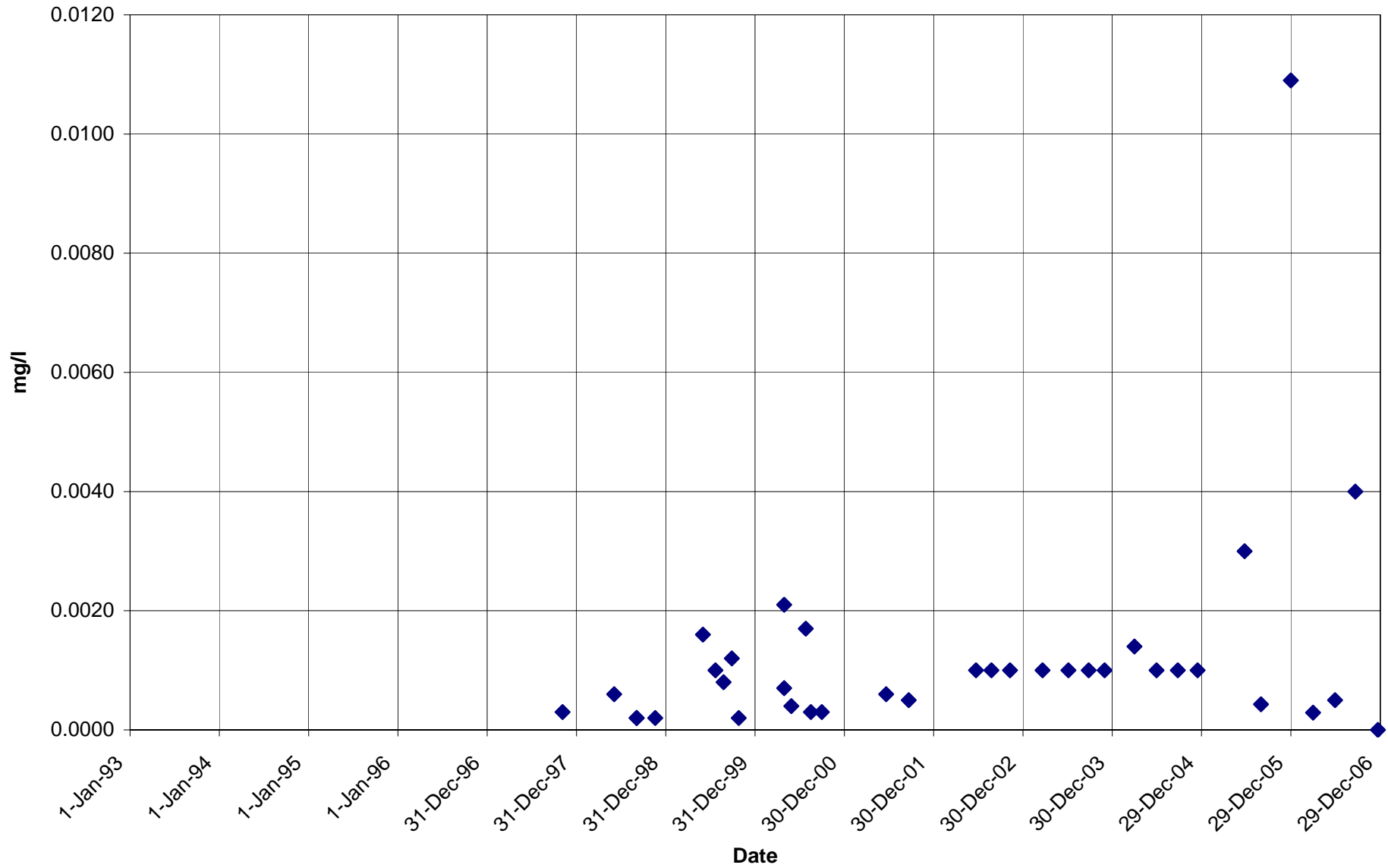
Brewery Creek Mine

BC-27
Cadmium



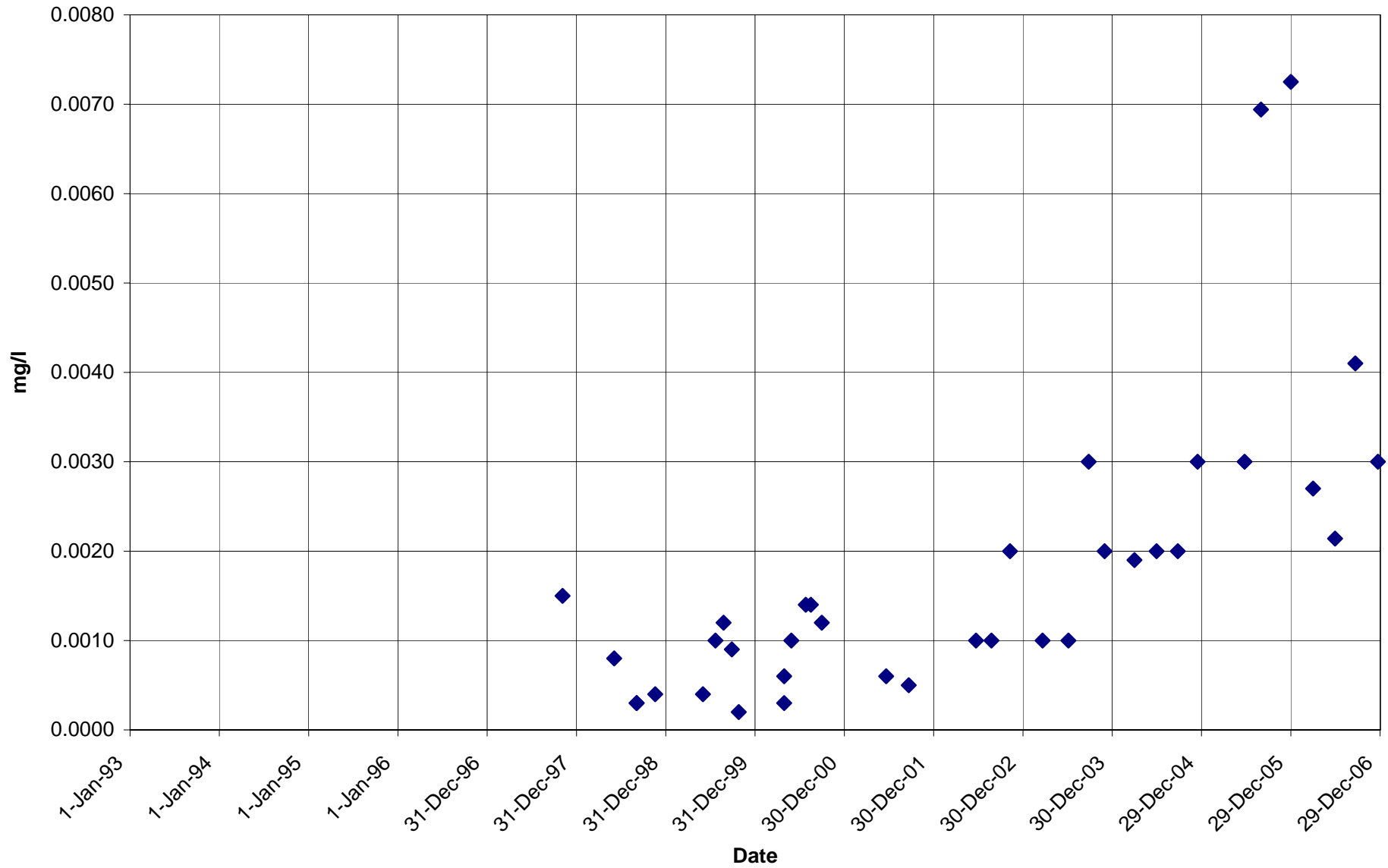
Brewery Creek Mine

BC-27
Copper



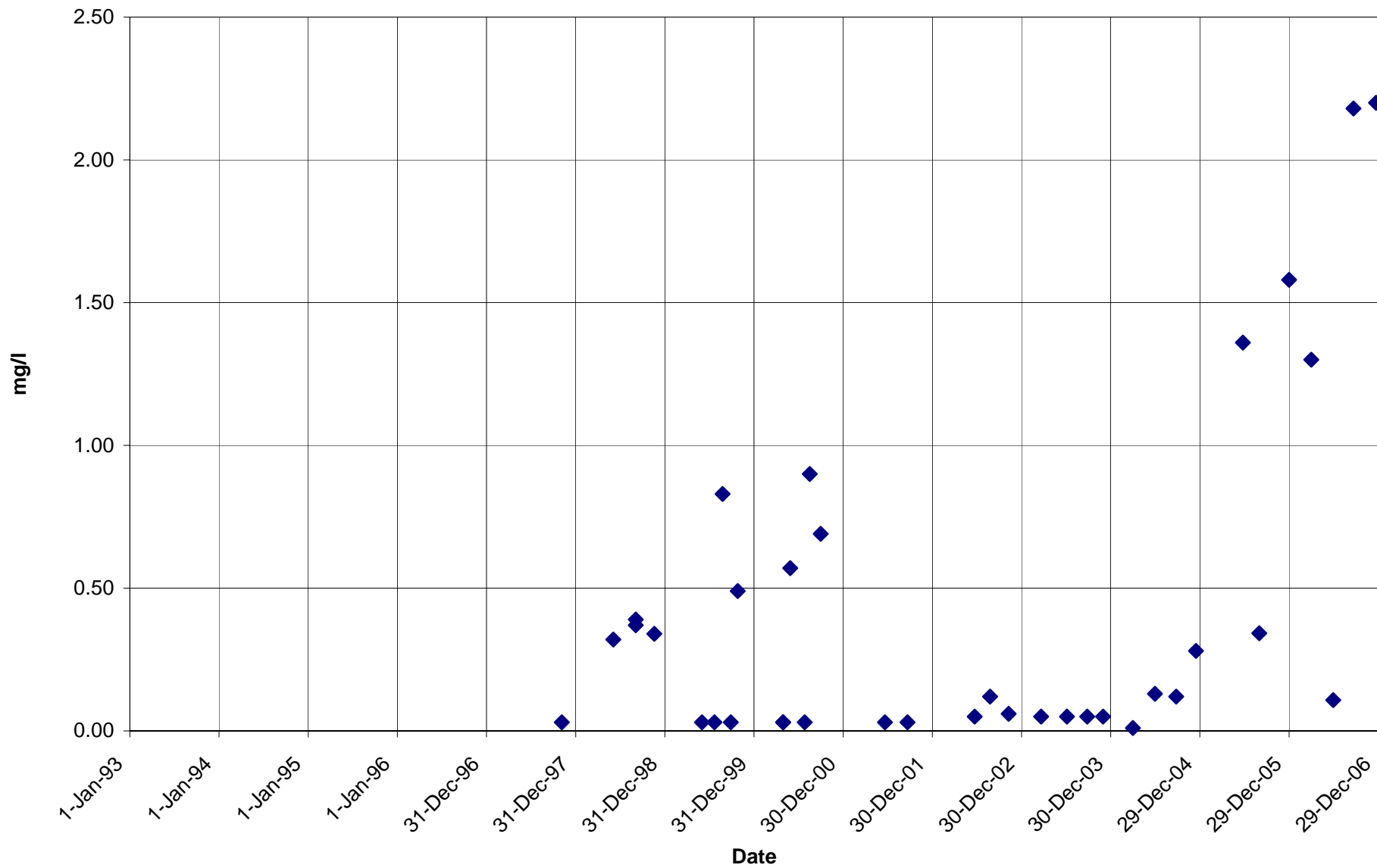
Brewery Creek Mine

BC-27
Nickel



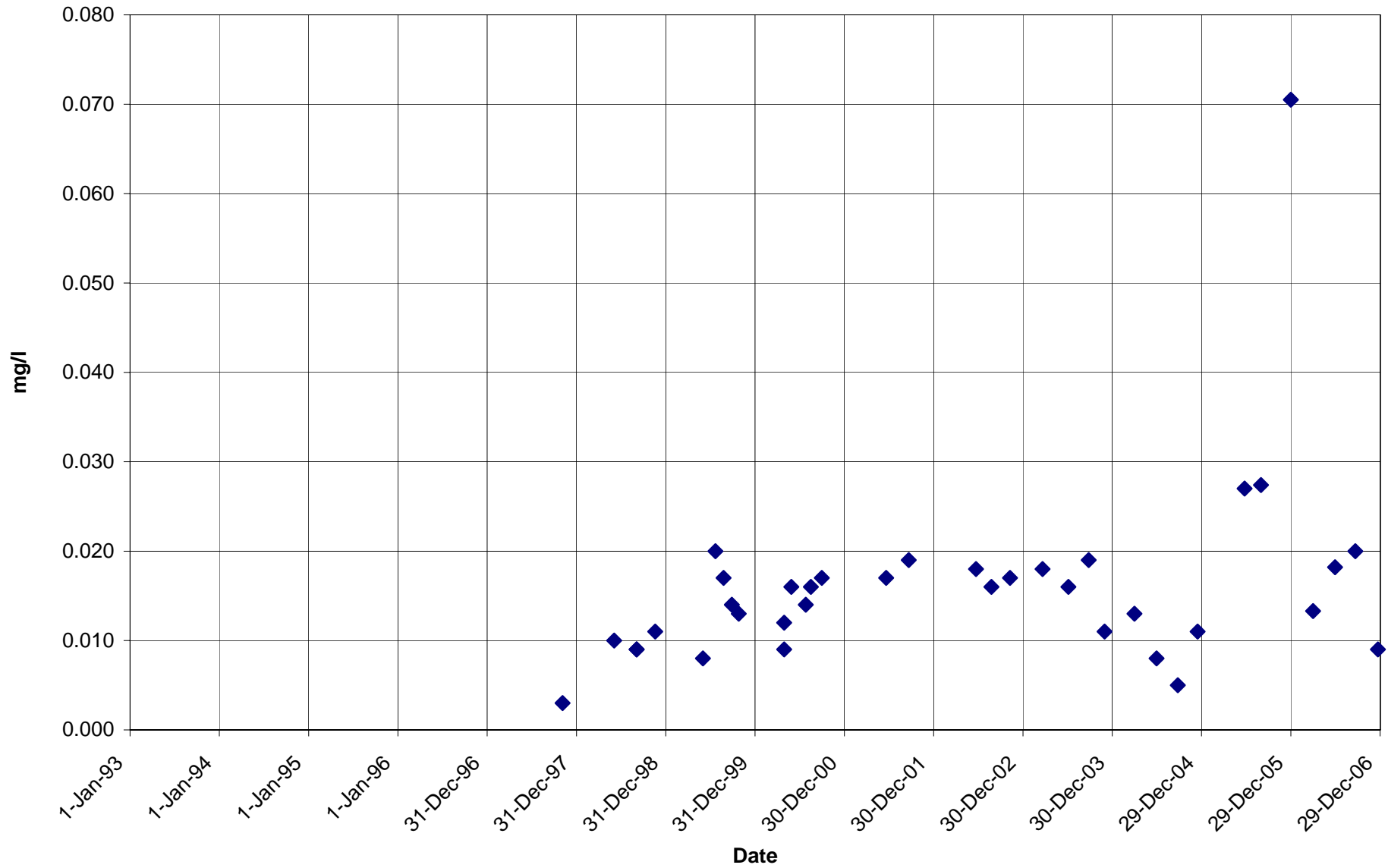
Brewery Creek Mine

BC-27
Iron



Brewery Creek Mine

BC-27
Zinc



Appendix C

HYDROLOGY

Alexco Resource Corp.
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)
		29-May-06	14:00	0.35	4.77	3.68	1.09	1.158	0.157	9.427	157.1	2,490.3
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
Width (m)	1.460	0.07	0.10	0.10	0.10	0.10	0.47	0.10	0.10	0.10	0.10	0.12
Depth (m)	Enter >>>>	0.60	0.64	0.68	0.77	0.80	0.85	0.93	0.72	0.63	0.94	0.88
Area (m2)	1.158	0.042	0.064	0.068	0.077	0.080	0.400	0.093	0.072	0.063	0.094	0.106
Velocity (m/sec)	Enter >>>>	0.14	0.13	0.13	0.15	0.16	0.17	0.13	0.13	0.12	0.08	0.05
Discharge (m3/sec)	0.157	0.006	0.008	0.009	0.012	0.013	0.068	0.012	0.009	0.008	0.008	0.005

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)
		30-May-06	13:11	0.34	4.78	3.68	1.10	0.877	0.087	5.242	87.4	1,384.7
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
Width (m)	1.100	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.13
Depth (m)	Enter >>>>	0.61	0.64	0.66	0.75	0.81	0.86	0.92	0.93	0.76	0.89	0.86
Area (m2)	0.877	0.043	0.064	0.066	0.075	0.081	0.086	0.092	0.093	0.076	0.089	0.112
Velocity (m/sec)	Enter >>>>	0.10	0.11	0.11	0.13	0.14	0.15	0.13	0.08	0.1	0.05	0.03
Discharge (m3/sec)	0.087	0.004	0.007	0.007	0.010	0.011	0.013	0.012	0.007	0.008	0.004	0.003

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)
		31-May-06	13:15	0.34	4.78	3.68	1.10	0.873	0.069	4.130	68.8	1,091.0
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
Width (m)	1.100	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.13
Depth (m)	Enter >>>>	0.60	0.64	0.65	0.74	0.81	0.85	0.91	0.92	0.80	0.88	0.85
Area (m2)	0.873	0.042	0.064	0.065	0.074	0.081	0.085	0.091	0.092	0.080	0.088	0.111
Velocity (m/sec)	Enter >>>>	0.09	0.08	0.08	0.10	0.11	0.12	0.08	0.06	0.1	0.05	0.03
Discharge (m3/sec)	0.069	0.004	0.005	0.005	0.007	0.009	0.010	0.007	0.006	0.008	0.004	0.003

Alexco Resource Corp.
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)
		1-Jun-06	13:10	0.34	4.78	3.68	1.10	0.882	0.042	2.520	42.0	665.7
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
Width (m)	1.100	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.13
Depth (m)	Enter >>>>	0.57	0.65	0.65	0.74	0.81	0.86	0.92	0.91	0.89	0.89	0.85
Area (m2)	0.882	0.040	0.065	0.065	0.074	0.081	0.086	0.092	0.091	0.089	0.089	0.111
Velocity (m/sec)	Enter >>>>	0.09	0.05	0.06	0.10	0.07	0.08	0.04	0.04	0.01	0.01	0.02
Discharge (m3/sec)	0.042	0.004	0.003	0.004	0.007	0.006	0.007	0.004	0.004	0.001	0.001	0.002

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-06	13:30	0.35	4.78	3.68	1.10	0.889	0.045	2.704	45.1	714.3
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
Width (m)	1.100	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.13
Depth (m)	Enter >>>>	0.58	0.65	0.66	0.74	0.82	0.87	0.92	0.92	0.90	0.89	0.86
Area (m2)	0.889	0.041	0.065	0.066	0.074	0.082	0.087	0.092	0.092	0.090	0.089	0.112
Velocity (m/sec)	Enter >>>>	0.10	0.08	0.06	0.11	0.08	0.09	0.03	0.03	0.01	0.02	0.01
Discharge (m3/sec)	0.045	0.004	0.005	0.004	0.008	0.007	0.008	0.003	0.003	0.001	0.002	0.001

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)
		5-Jun-06	13:25	0.33	4.83	3.68	1.15	0.915	0.058	3.454	57.6	912.6
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
Width (m)	1.150	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.18
Depth (m)	Enter >>>>	0.57	0.64	0.65	0.73	0.79	0.82	0.89	0.90	0.90	0.88	0.86
Area (m2)	0.915	0.040	0.064	0.065	0.073	0.079	0.082	0.089	0.090	0.090	0.088	0.155
Velocity (m/sec)	Enter >>>>	0.09	0.07	0.08	0.13	0.09	0.11	0.07	0.04	0.01	0.02	0.04
Discharge (m3/sec)	0.058	0.004	0.004	0.005	0.009	0.007	0.009	0.006	0.004	0.001	0.002	0.006

Alexco Resource Corp.
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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)
		6-Jun-06	13:30	0.32	4.83	3.68	1.15	0.876	0.042	2.546	42.4	672.6
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
Width (m)	1.150	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.18
Depth (m)	Enter >>>>	0.58	0.59	0.62	0.72	0.75	0.80	0.86	0.87	0.84	0.85	0.81
Area (m2)	0.876	0.041	0.059	0.062	0.072	0.075	0.080	0.086	0.087	0.084	0.085	0.146
Velocity (m/sec)		0.09	0.09	0.10	0.08	0.09	0.08	0.02	0.04	0	0.02	0.01
Discharge (m3/sec)	0.042	0.004	0.005	0.006	0.006	0.007	0.006	0.002	0.003	0.000	0.002	0.001

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)
		7-Jun-06	13:30	0.31	5.10	3.62	1.48	1.007	0.043	2.582	43.0	682.1
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.70	3.90	4.00	4.10	4.30	4.40	4.50	4.70	4.80	4.90	5.00
Width (m)	1.380	0.18	0.15	0.15	0.15	0.15	0.10	0.15	0.15	0.10	0.10	0.15
Depth (m)	Enter >>>>	0.54	0.63	0.75	0.77	0.86	0.88	0.86	0.82	0.77	0.64	0.60
Area (m2)	1.007	0.097	0.094	0.000	0.116	0.129	0.088	0.129	0.123	0.077	0.064	0.090
Velocity (m/sec)	Enter >>>>	0.07	0.08	0.10	0.10	0.05	0.03	0.00	0.01	0.02	0.04	0.03
Discharge (m3/sec)	0.043	0.007	0.008	0.000	0.012	0.006	0.003	0.000	0.001	0.002	0.003	0.003

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)
		8-Jun-06	13:40	0.30	4.68	3.30	1.38	0.440	0.106	6.390	106.5	1,688.0
		Temp.	Cond.	PH								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.40	3.50	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.50	4.60
Width (m)	1.380	0.15	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.13
Depth (m)	Enter >>>>	0.20	0.18	0.24	0.28	0.34	0.35	0.39	0.40	0.41	0.40	0.38
Area (m2)	0.440	0.030	0.027	0.036	0.028	0.034	0.035	0.039	0.040	0.062	0.060	0.049
Velocity (m/sec)	Enter >>>>	0.21	0.19	0.32	0.29	0.36	0.40	0.36	0.30	0.3	0.07	0.01
Discharge (m3/sec)	0.106	0.006	0.005	0.012	0.008	0.012	0.014	0.014	0.012	0.018	0.004	0.000

Alexco Resource Corp.
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)
		9-Jun-06	13:30	0.30	4.66	3.30	1.36	0.416	0.096	5.774	96.2	1,525.2
		Temp.	Cond.	PH								
11	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
	Totals	3.40	3.50	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.50	4.60
Width (m)	1.360	0.15	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.11
Depth (m)	Enter >>>>	0.19	0.17	0.22	0.26	0.32	0.35	0.37	0.40	0.39	0.39	0.38
Area (m2)	0.416	0.029	0.026	0.033	0.026	0.032	0.035	0.037	0.040	0.059	0.059	0.042
Velocity (m/sec)	Enter >>>>	0.20	0.18	0.27	0.30	0.32	0.38	0.34	0.32	0.25	0.09	0.01
Discharge (m3/sec)	0.096	0.006	0.005	0.009	0.008	0.010	0.013	0.013	0.013	0.015	0.005	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-Jun-06	13:14	0.30	4.66	3.30	1.36	0.429	0.097	5.828	97.1	1,539.6
		Temp.	Cond.	PH								
11	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
	Totals	3.40	3.50	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.50	4.60
Width (m)	1.360	0.15	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.11
Depth (m)	Enter >>>>	0.21	0.19	0.22	0.28	0.33	0.36	0.38	0.40	0.40	0.40	0.37
Area (m2)	0.429	0.032	0.029	0.033	0.028	0.033	0.036	0.038	0.040	0.060	0.060	0.041
Velocity (m/sec)	Enter >>>>	0.19	0.20	0.29	0.27	0.34	0.36	0.33	0.28	0.26	0.08	0
Discharge (m3/sec)	0.097	0.006	0.006	0.010	0.008	0.011	0.013	0.013	0.011	0.016	0.005	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-Jun-06	13:45	0.30	4.66	3.30	1.15	0.411	0.103	6.161	102.7	1,627.4316
		Temp.	Cond.	PH								
		4.4	423	7.99								
11	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
	Totals	3.40	3.55	3.70	3.85	3.95	4.10	4.20	4.30	4.40	4.50	4.60
Width (m)	1.360	0.18	0.15	0.15	0.13	0.13	0.13	0.10	0.10	0.10	0.10	0.11
Depth (m)	Enter >>>>	0.20	0.18	0.21	0.27	0.34	0.37	0.37	0.40	0.39	0.38	0.37
Area (m2)	0.411	0.035	0.027	0.032	0.034	0.042	0.046	0.037	0.040	0.039	0.038	0.041
Velocity (m/sec)	Enter >>>>	0.19	0.19	0.31	0.28	0.38	0.36	0.32	0.29	0.24	0.16	0
Discharge (m3/sec)	0.103	0.007	0.005	0.010	0.009	0.016	0.017	0.012	0.012	0.009	0.006	0.000

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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)
		13-Jun-06	15:09	0.29	4.66	3.30	1.36	0.427	0.095	5.673	94.5	1,498.6
		Temp.	Cond.	PH								
		5.5	425	7.68								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.40	3.50	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.50	4.60
Width (m)	1.360	0.15	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.11
Depth (m)	Enter >>>>	0.21	0.18	0.22	0.29	0.33	0.35	0.39	0.40	0.41	0.38	0.37
Area (m2)	0.427	0.032	0.027	0.033	0.029	0.033	0.035	0.039	0.040	0.062	0.057	0.041
Velocity (m/sec)	Enter >>>>	0.15	0.13	0.29	0.26	0.34	0.34	0.29	0.23	0.2	0.19	0.06
Discharge (m3/sec)	0.095	0.005	0.004	0.010	0.008	0.011	0.012	0.011	0.009	0.012	0.011	0.002

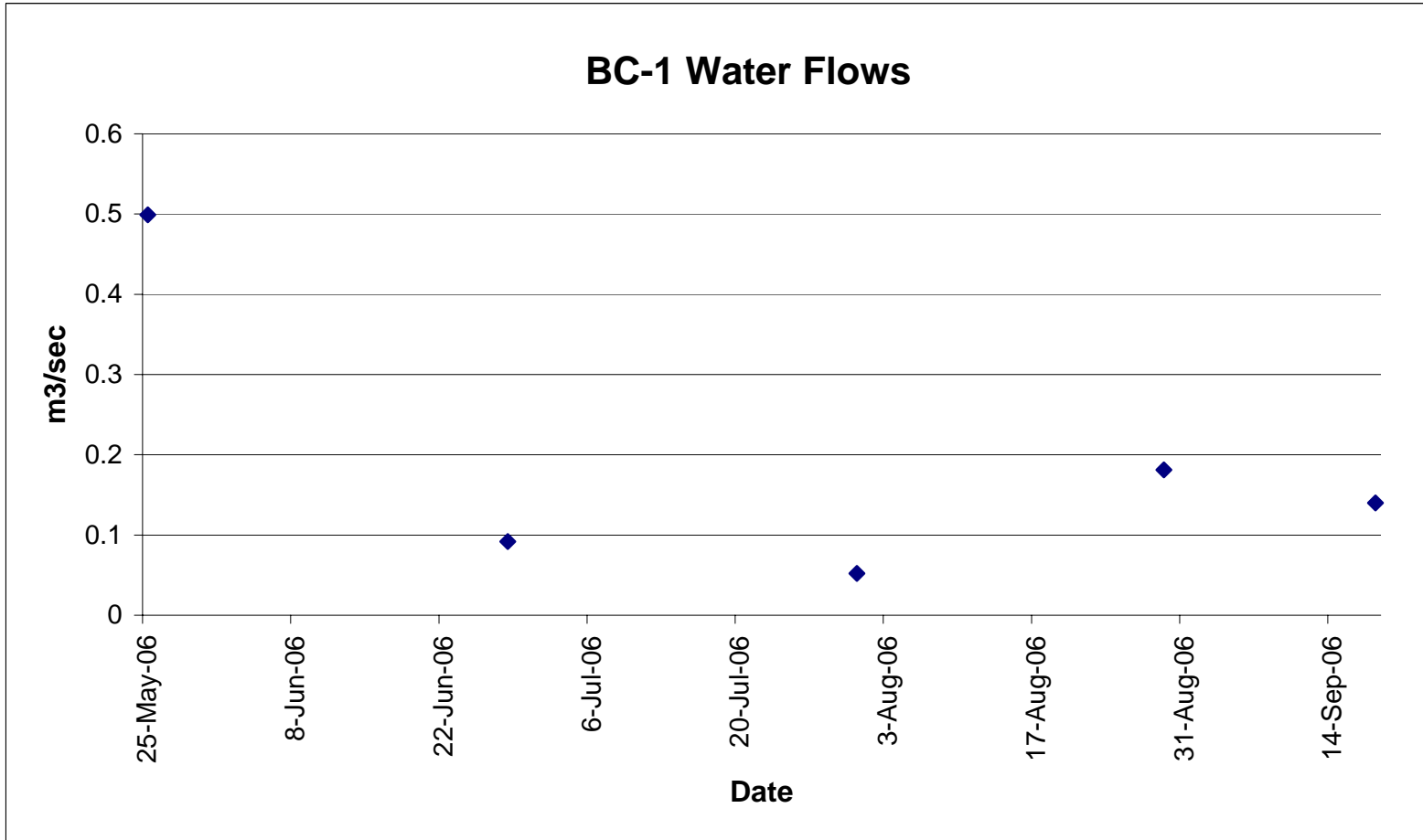
STATION ID:	Pump House	Date	Time	Staff Gauge (m)	Left Bank (m)	Right Bank (m)	Width (m)	Area (m ²)	Discharge			
									(m ³ /sec)	(m ³ /min)	(L/sec)	(USGPM)
		14-Jun-06	13:00	0.29	4.66	3.30	1.36	0.407	0.095	5.723	95.4	1,511.9
		Temp.	Cond.	PH								
		4.1	424	8.01								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.40	3.50	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.50	4.60
Width (m)	1.360	0.15	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.11
Depth (m)	Enter >>>>	0.19	0.16	0.21	0.28	0.31	0.33	0.36	0.39	0.40	0.38	0.35
Area (m2)	0.407	0.029	0.024	0.032	0.028	0.031	0.033	0.036	0.039	0.060	0.057	0.039
Velocity (m/sec)	Enter >>>>	0.17	0.16	0.28	0.24	0.36	0.40	0.35	0.30	0.28	0.1	0
Discharge (m3/sec)	0.095	0.005	0.004	0.009	0.007	0.011	0.013	0.013	0.012	0.017	0.006	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)
		15-Jun-06	13:30	0.29	4.66	3.30	1.36	0.414	0.097	5.799	96.6	1,531.9
		Temp.	Cond.	PH								
		5.2	424	7.93								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.40	3.50	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.50	4.60
Width (m)	1.360	0.15	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.11
Depth (m)	Enter >>>>	0.20	0.16	0.22	0.28	0.31	0.34	0.36	0.40	0.39	0.39	0.38
Area (m2)	0.414	0.029	0.024	0.033	0.028	0.031	0.034	0.036	0.040	0.059	0.059	0.042
Velocity (m/sec)	Enter >>>>	0.18	0.16	0.29	0.24	0.33	0.37	0.34	0.32	0.29	0.11	0
Discharge (m3/sec)	0.097	0.005	0.004	0.010	0.007	0.010	0.013	0.012	0.013	0.017	0.006	0.000

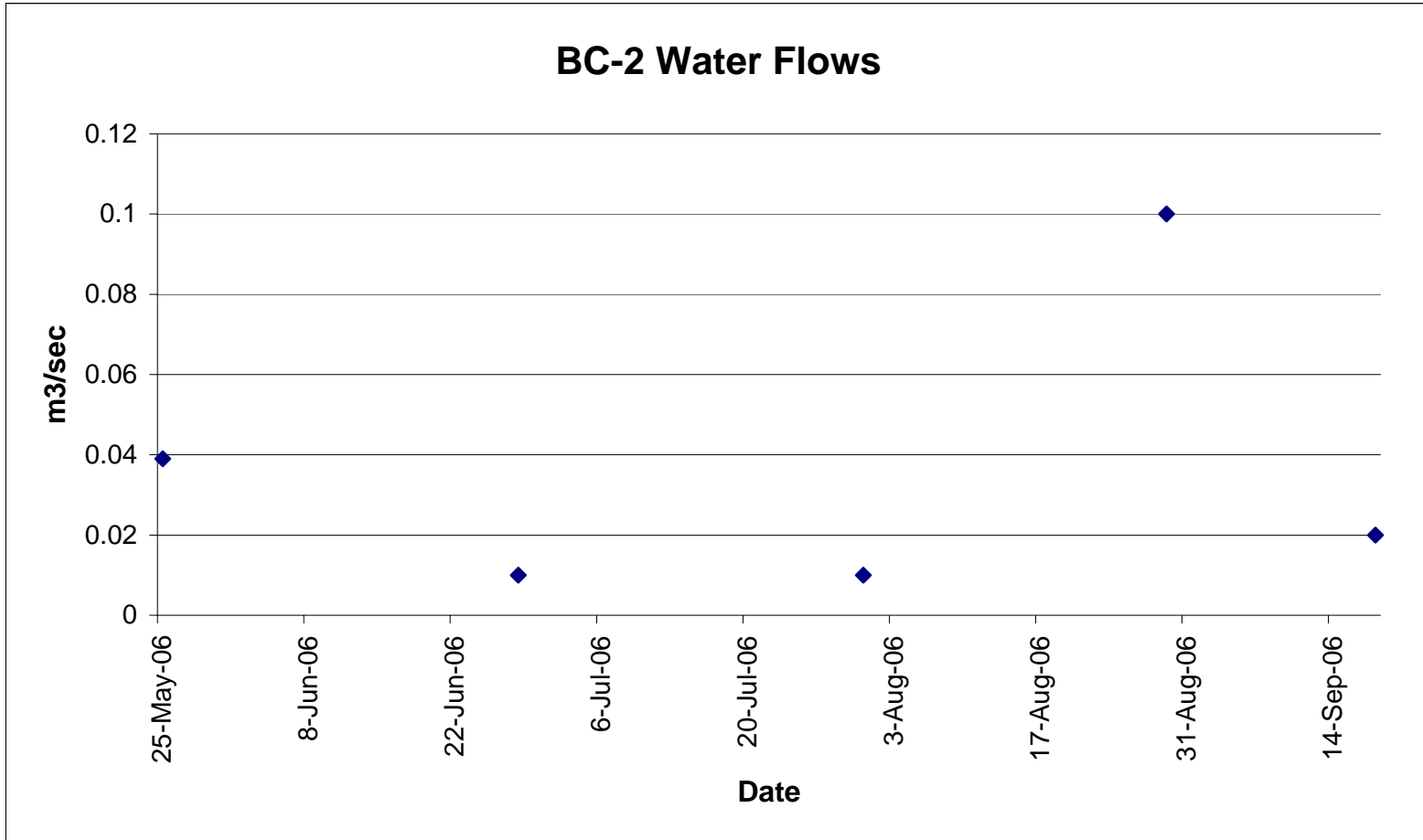
Alexco Resource Corp.
Brewery Creek Mine
Water Flows

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-06	11:20	0.46	4.66	3.30	1.36	0.584	0.370	22.204	370.1	5,865.6
		Temp.	Cond.	PH								
		3.6	270.0	7.8								
	Intervals >>>	1	2	3	4	5	6	7	8	9	10	11
11	Totals	3.40	3.50	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.50	4.60
Width (m)	1.360	0.15	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.11
Depth (m)	Enter >>>>	0.29	0.26	0.35	0.42	0.43	0.47	0.53	0.52	0.52	0.52	0.51
Area (m2)	0.584	0.044	0.039	0.053	0.042	0.043	0.047	0.053	0.052	0.078	0.078	0.056
Velocity (m/sec)	Enter >>>>	0.44	0.28	0.75	0.81	1.06	1.02	0.86	0.84	0.72	0.29	0.09
Discharge (m3/sec)	0.370	0.019	0.011	0.039	0.034	0.046	0.048	0.046	0.044	0.056	0.023	0.005

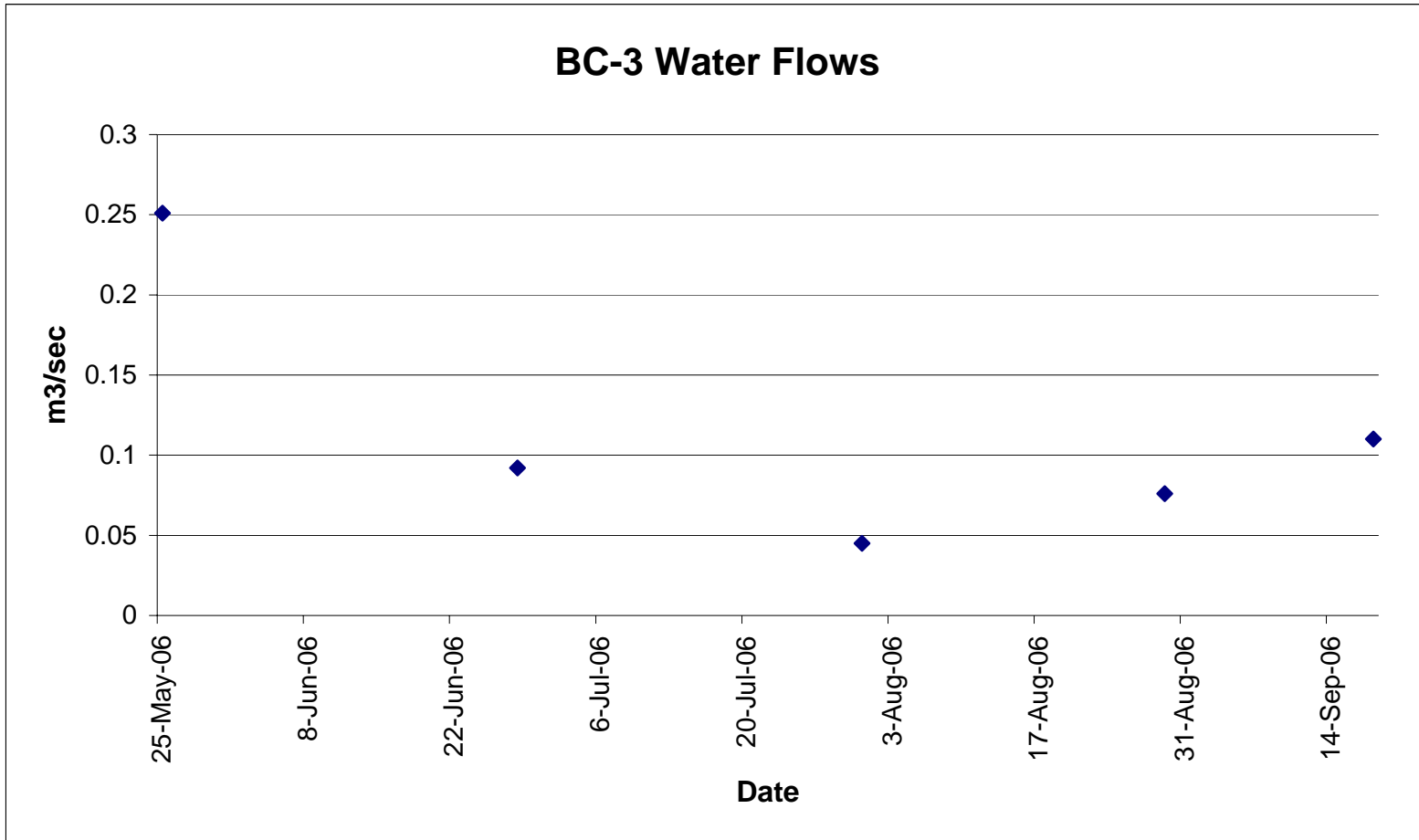
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



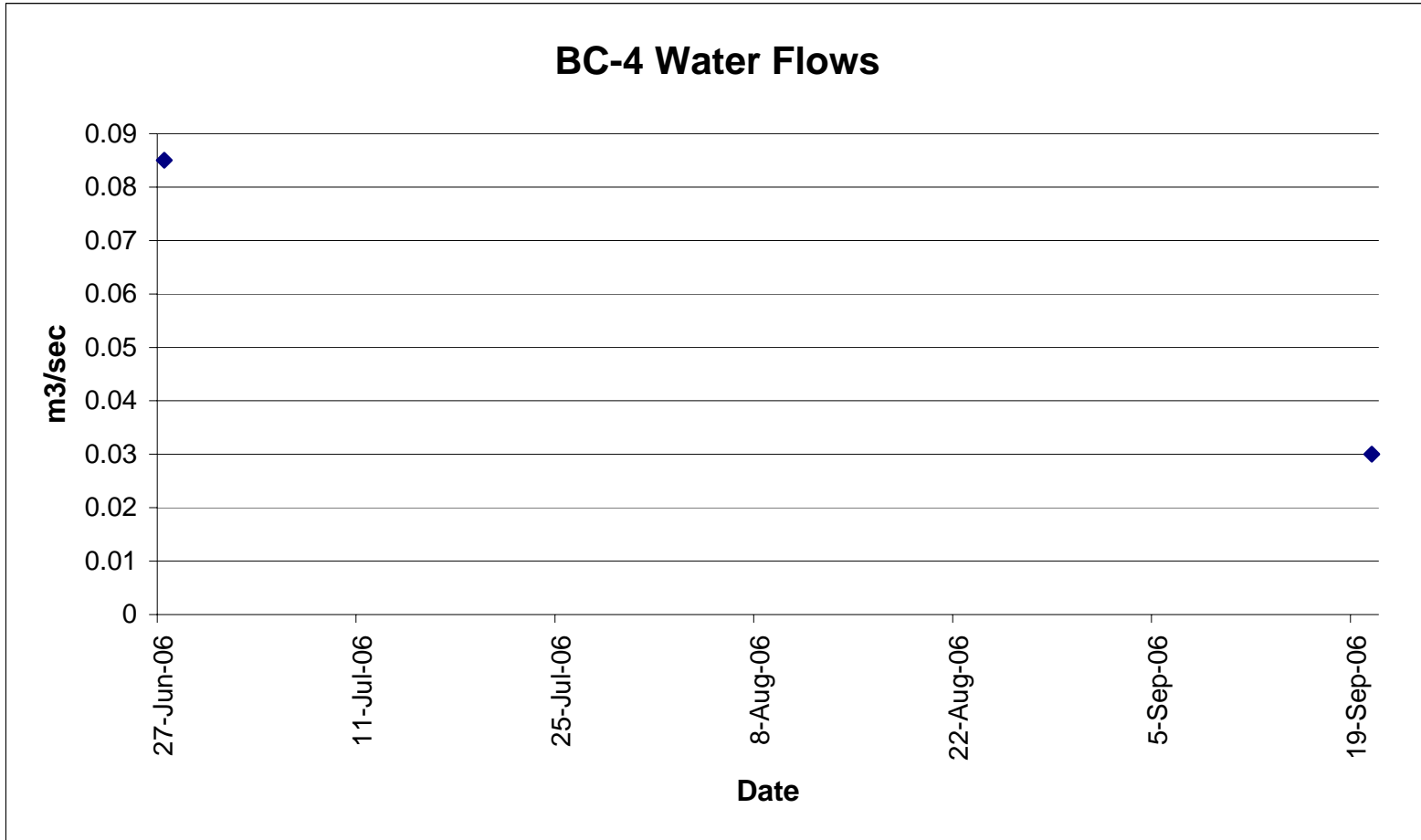
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



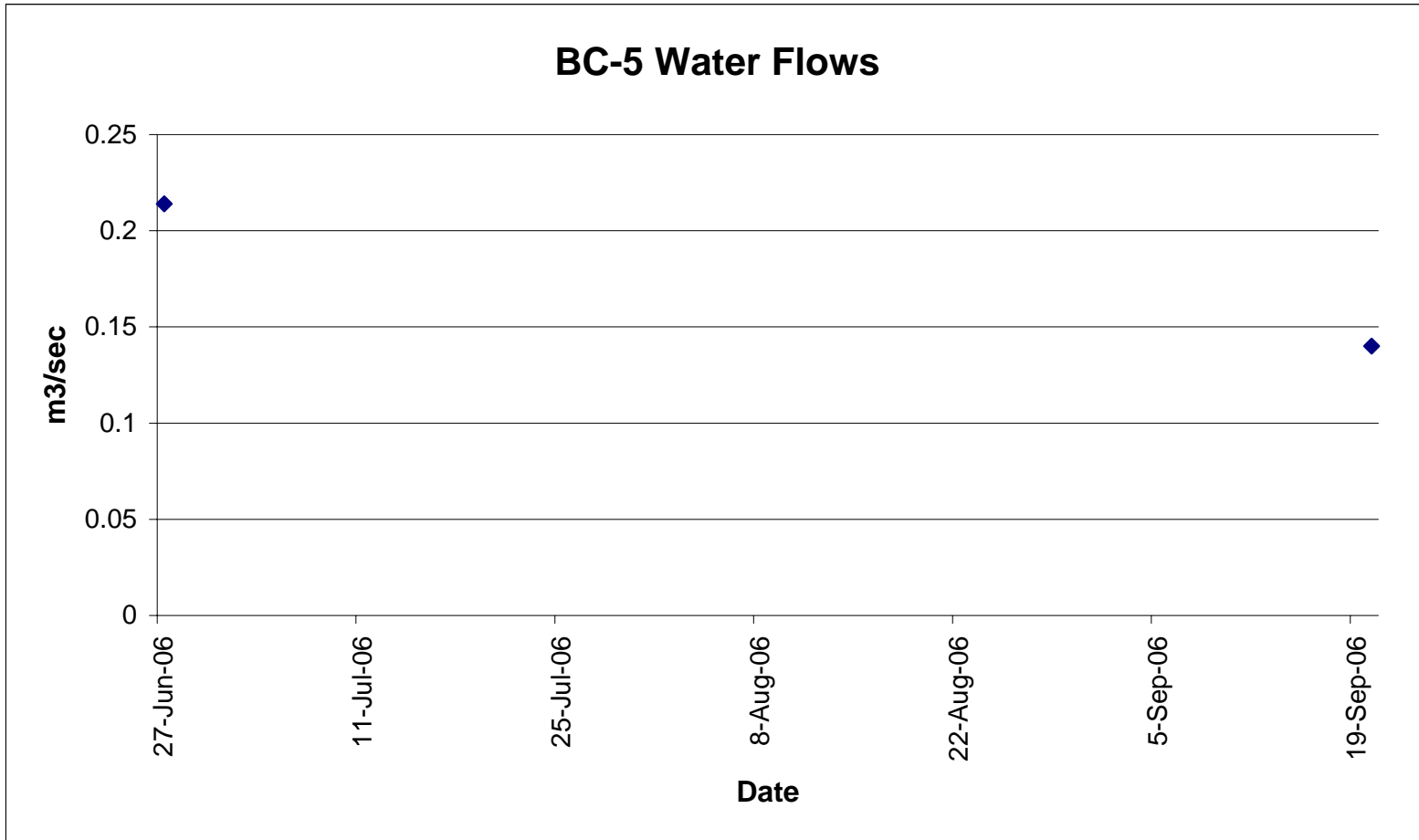
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



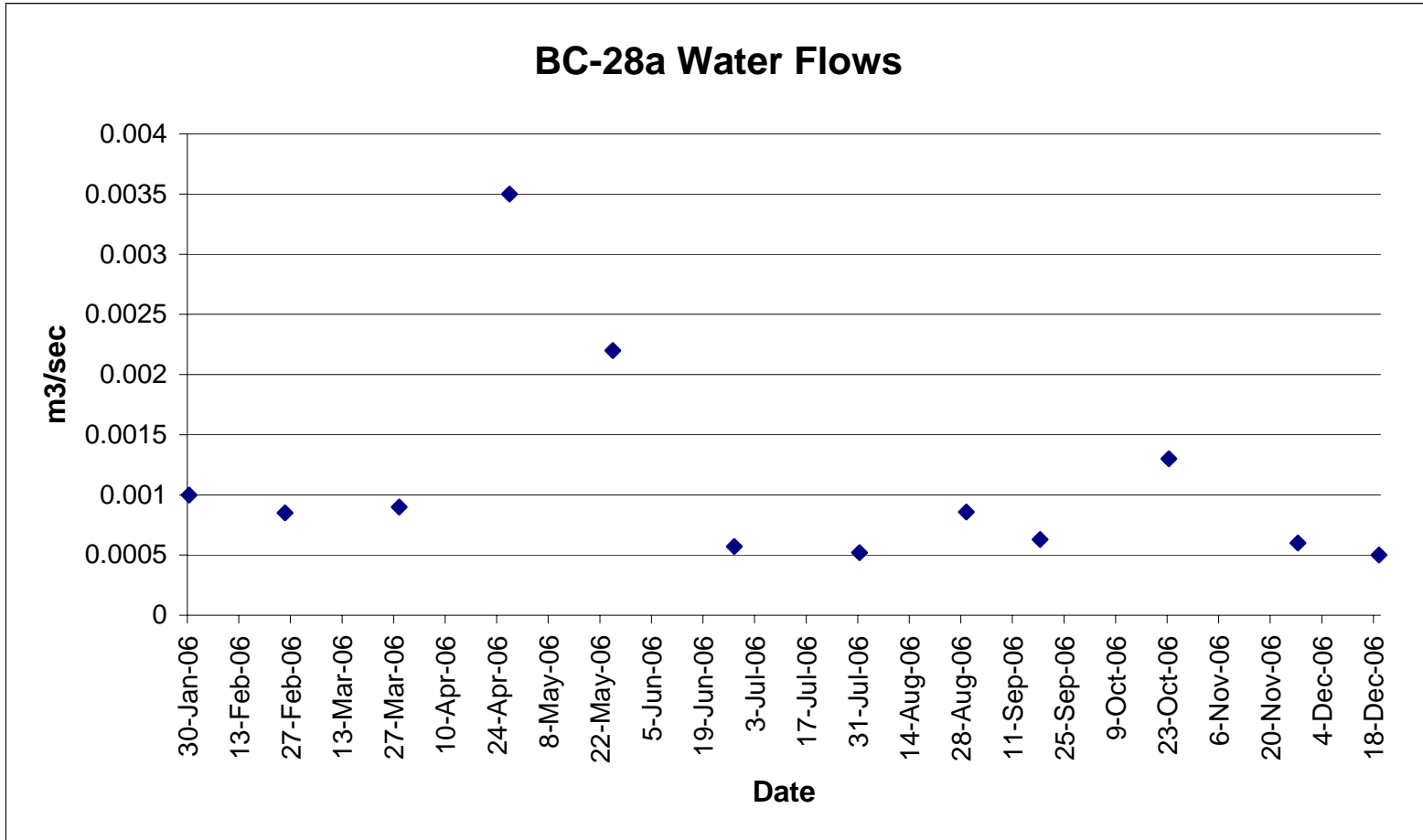
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



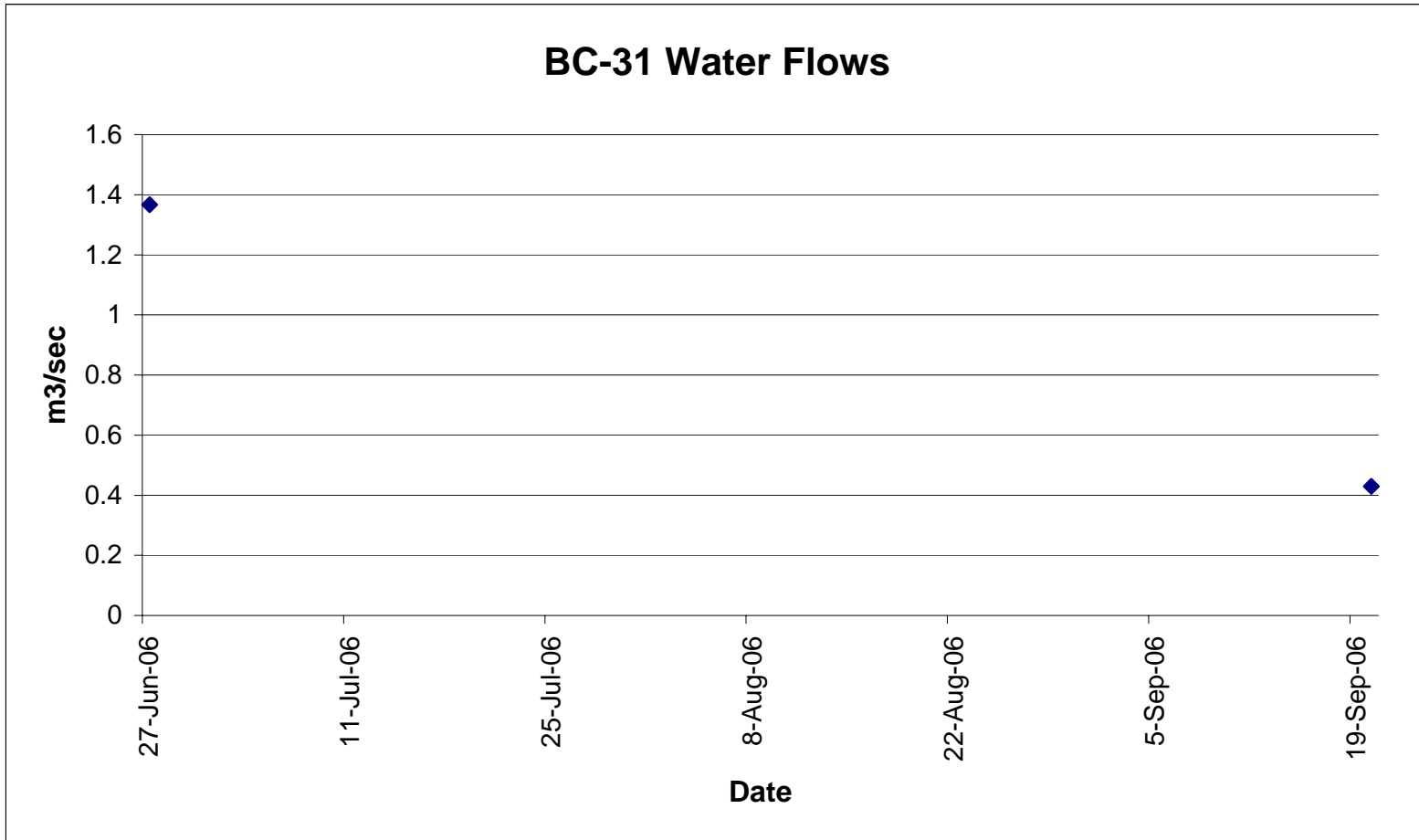
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



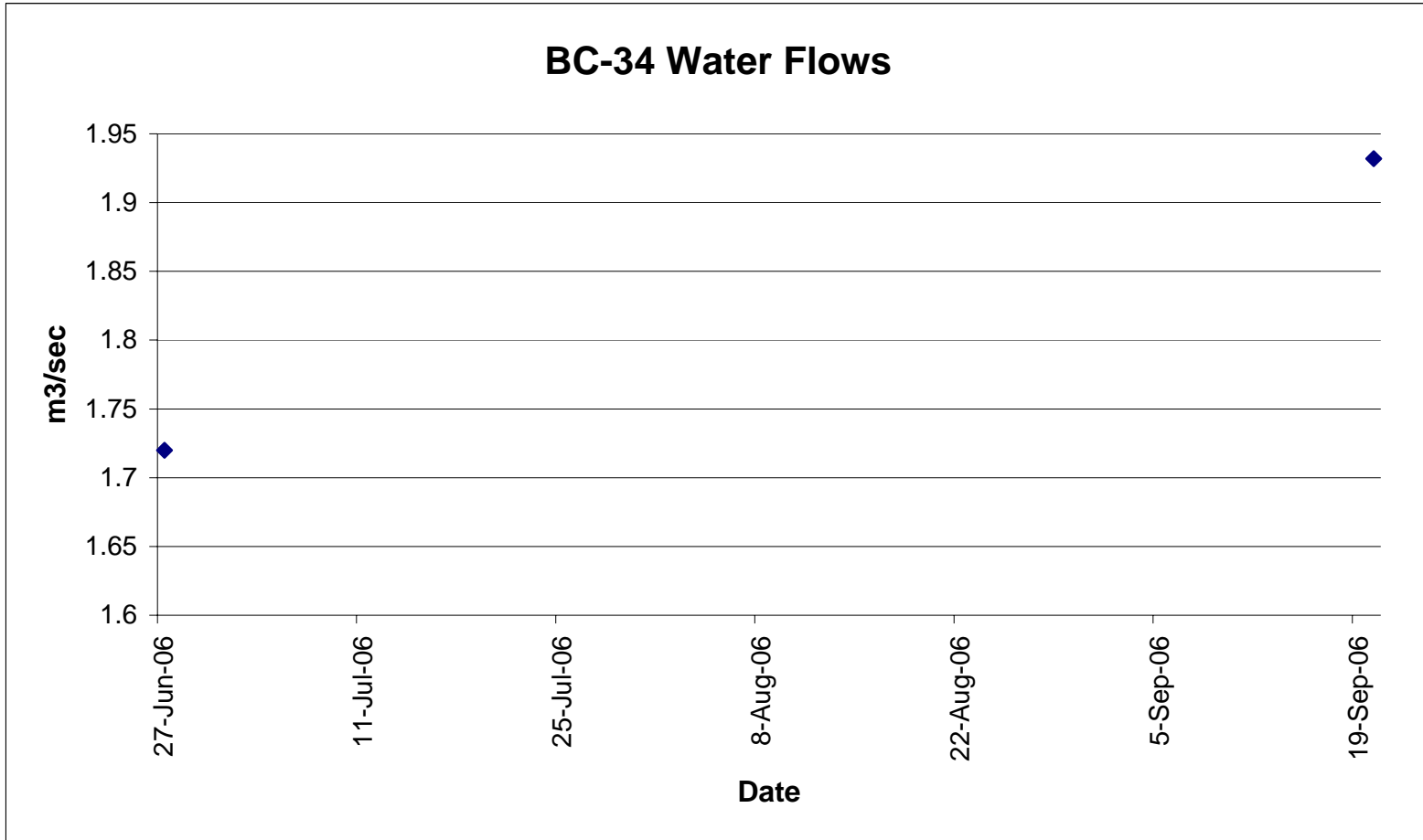
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



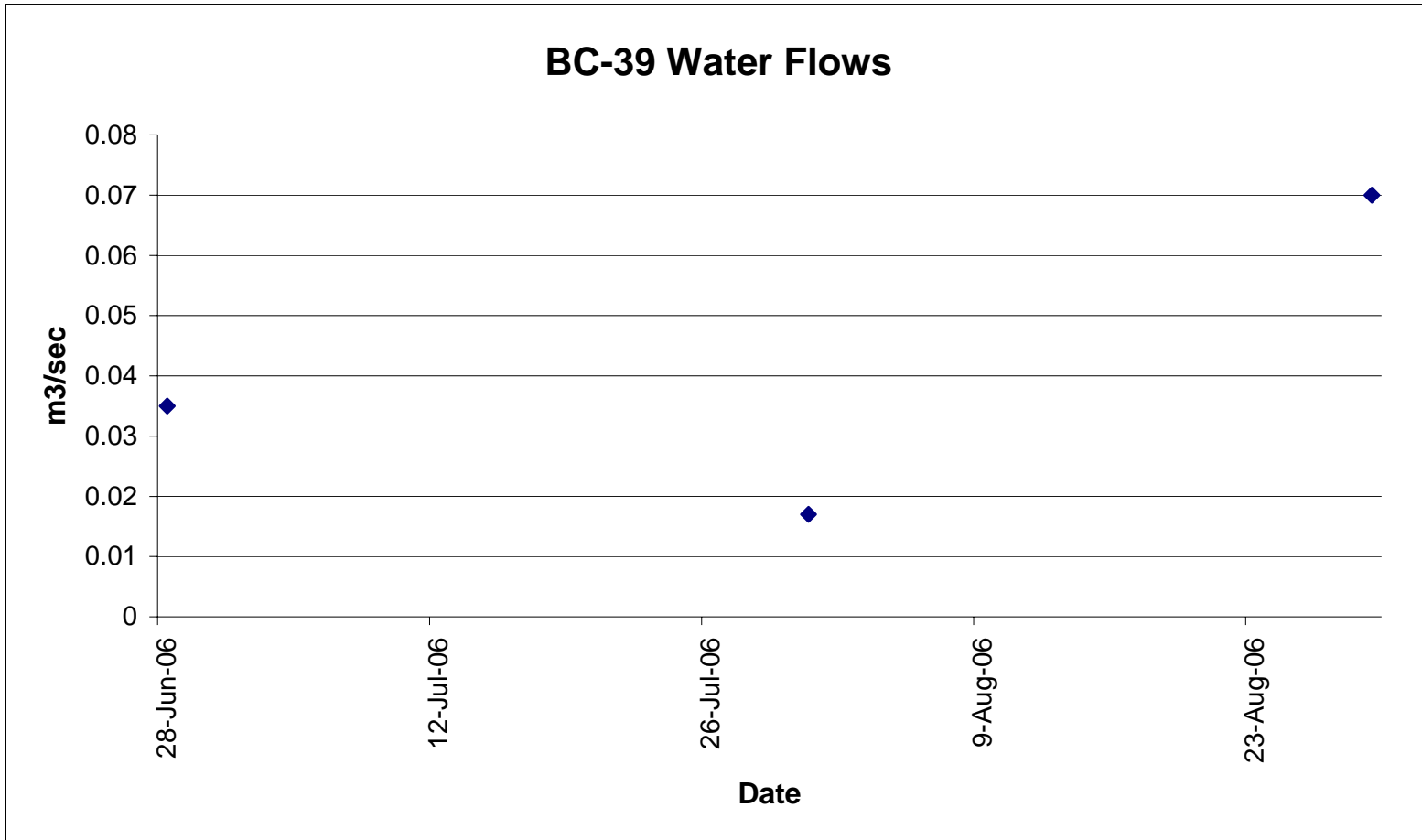
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



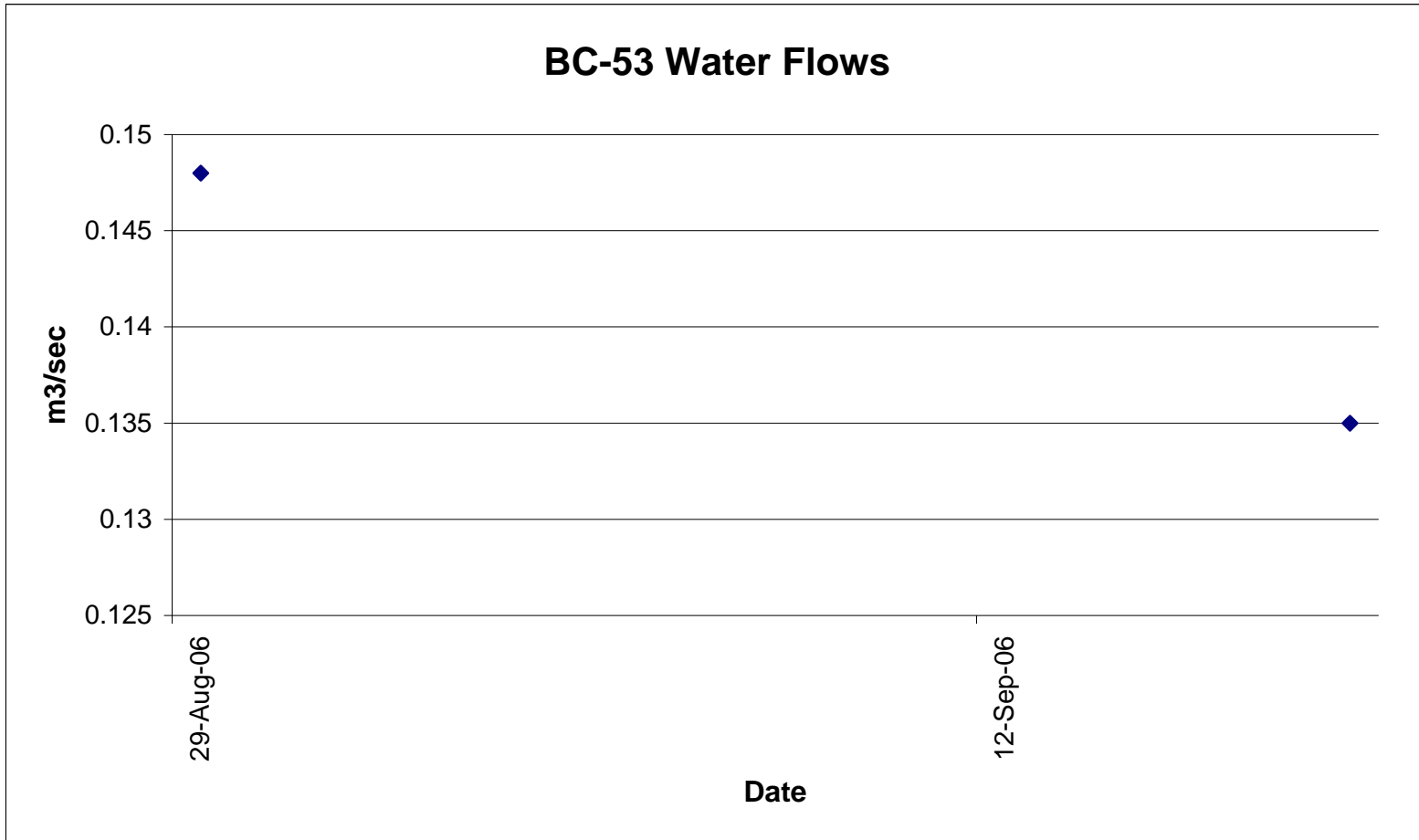
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



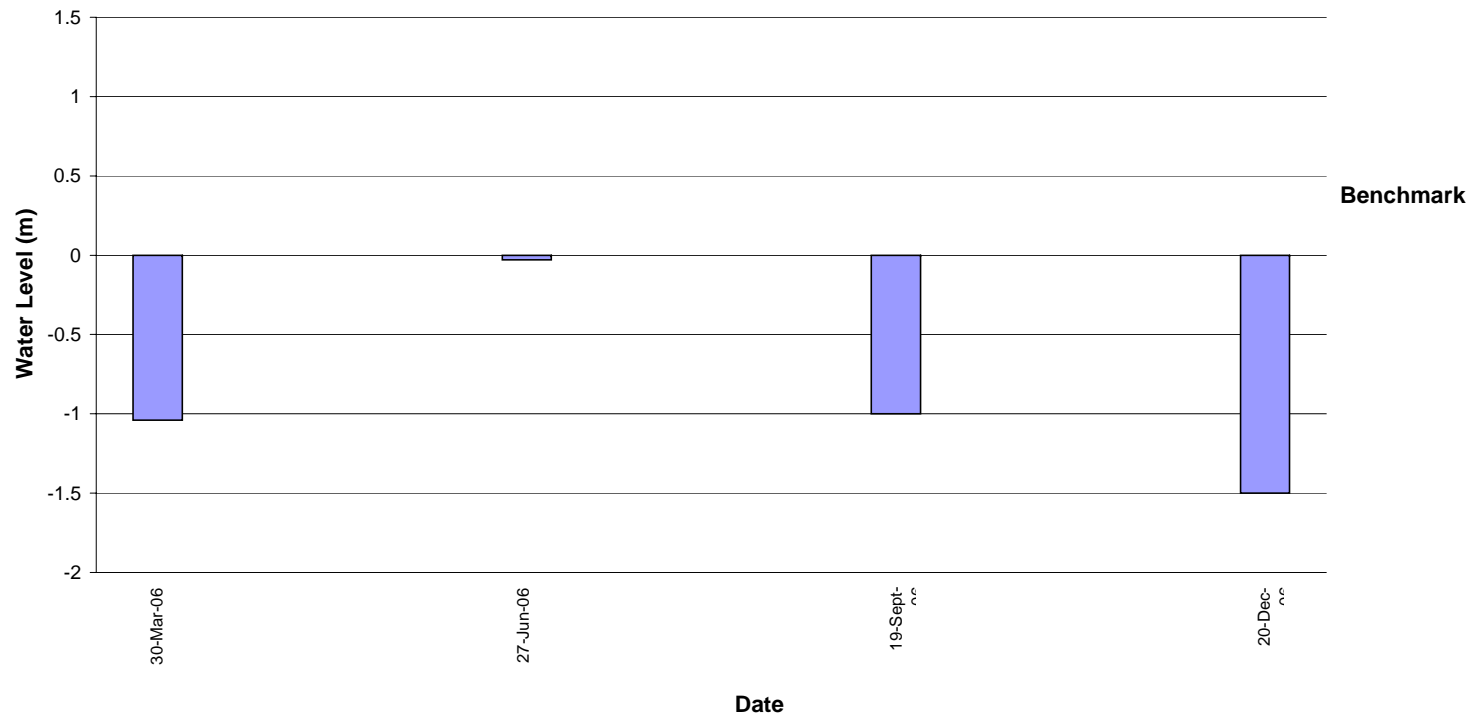
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



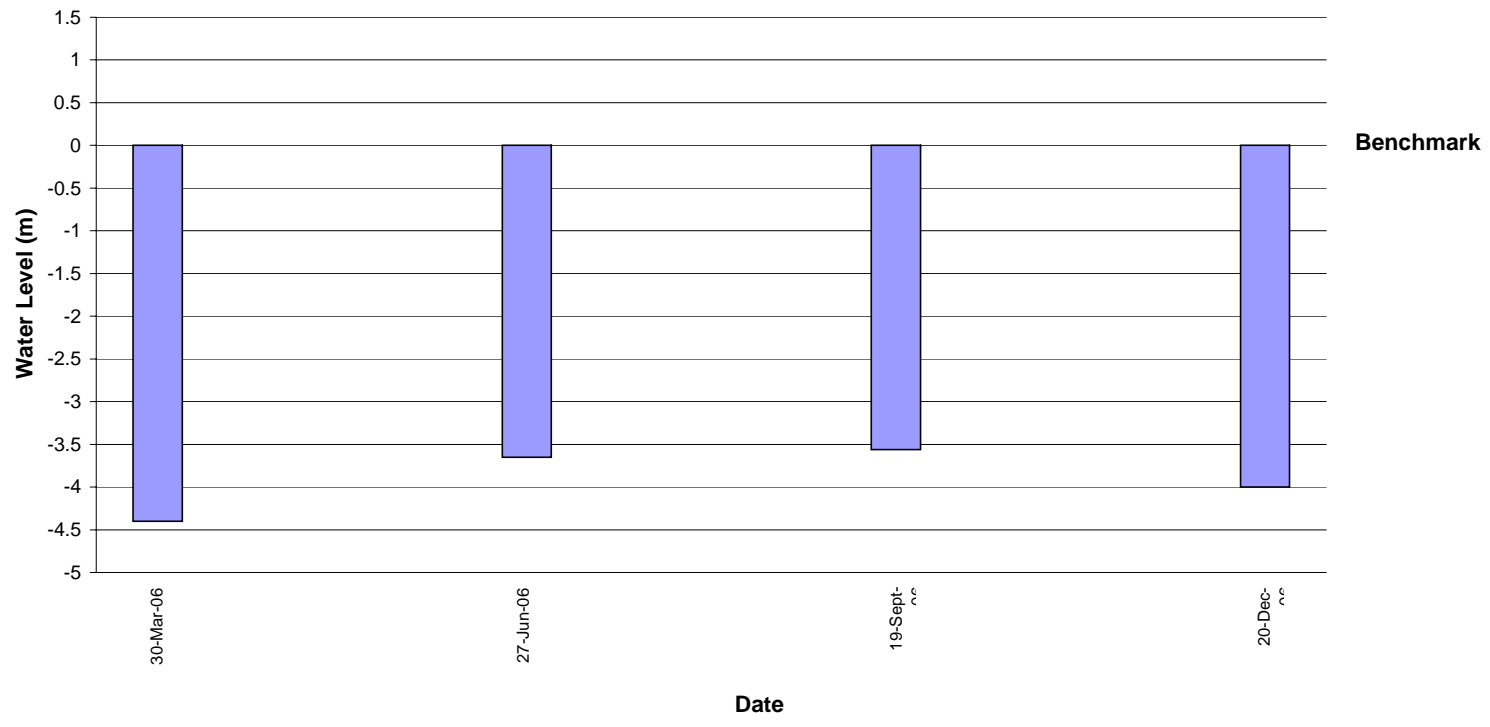
**Alexco Resource Corp.
Brewery Creek Mine
Water Flows**



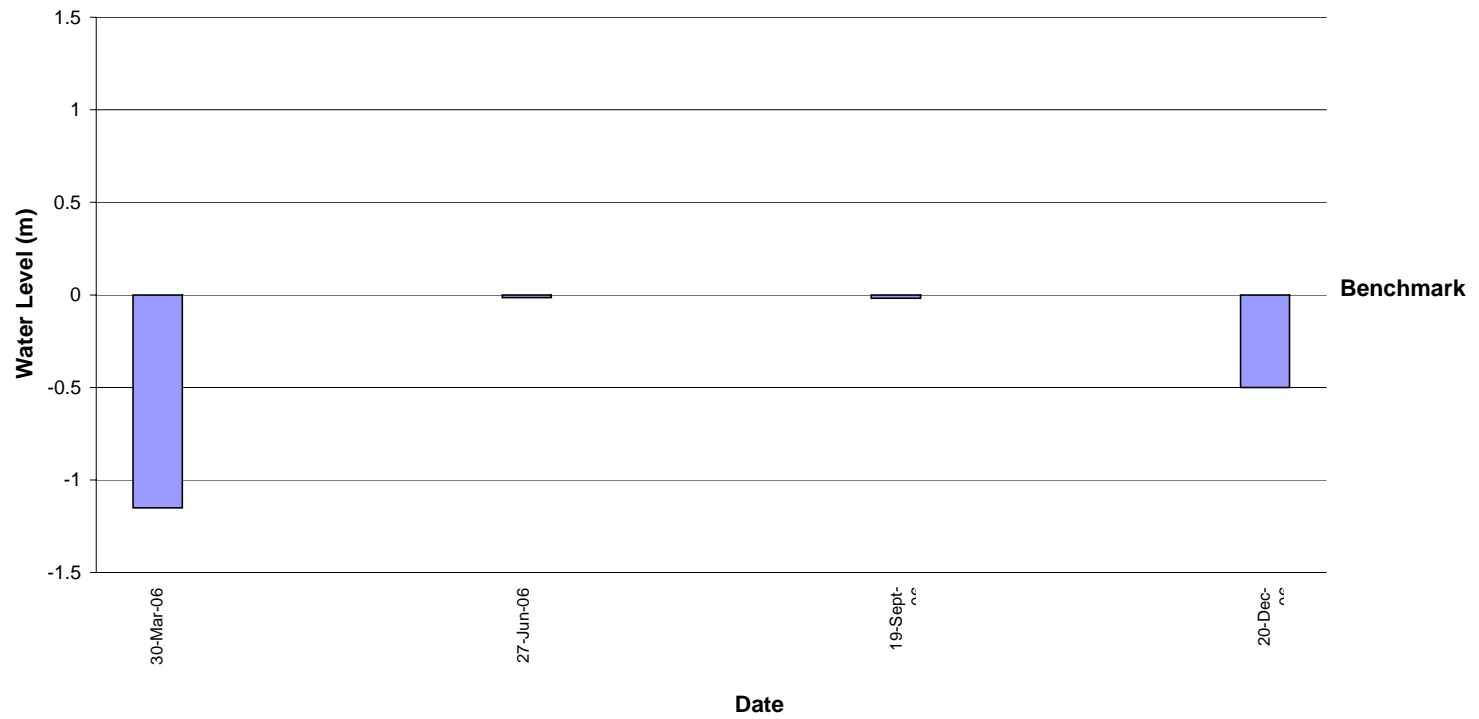
BC-10 Pit Water Level



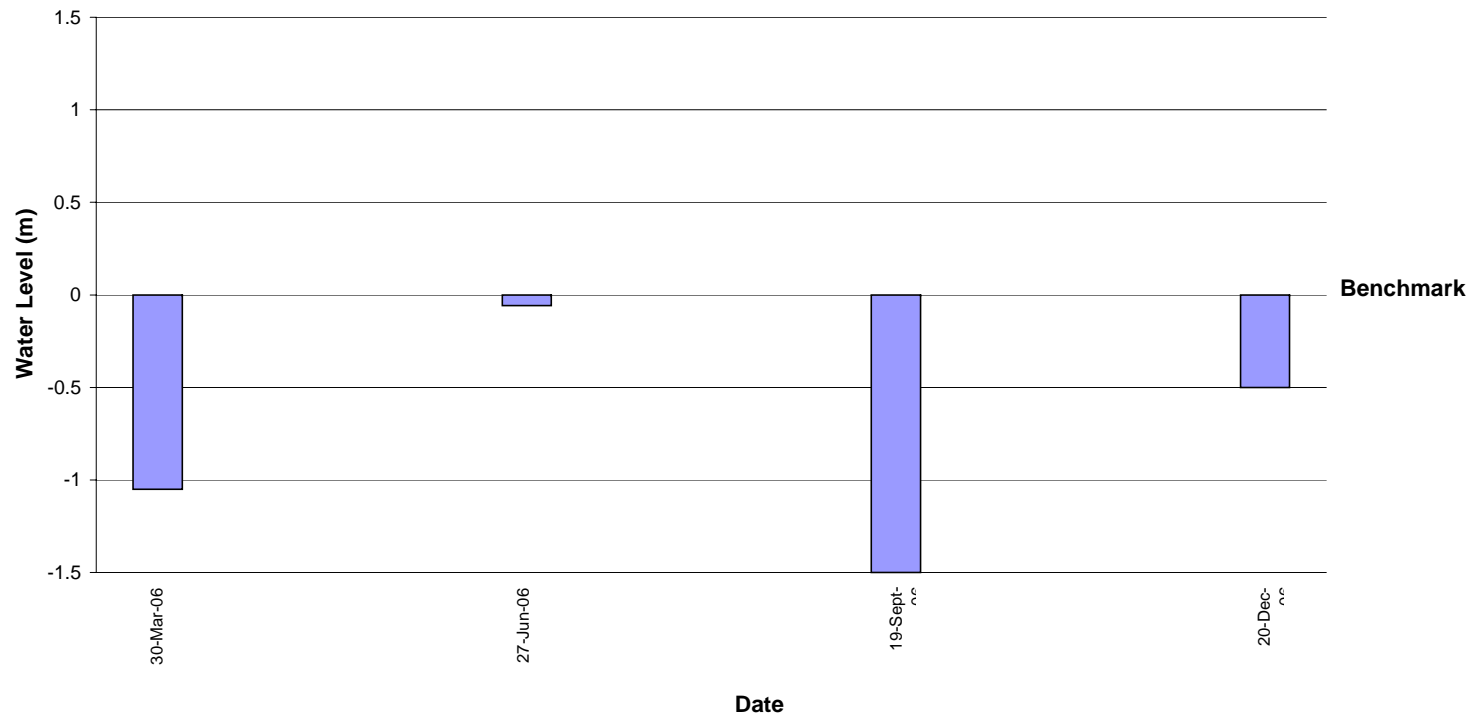
BC-12 Pit Water Level



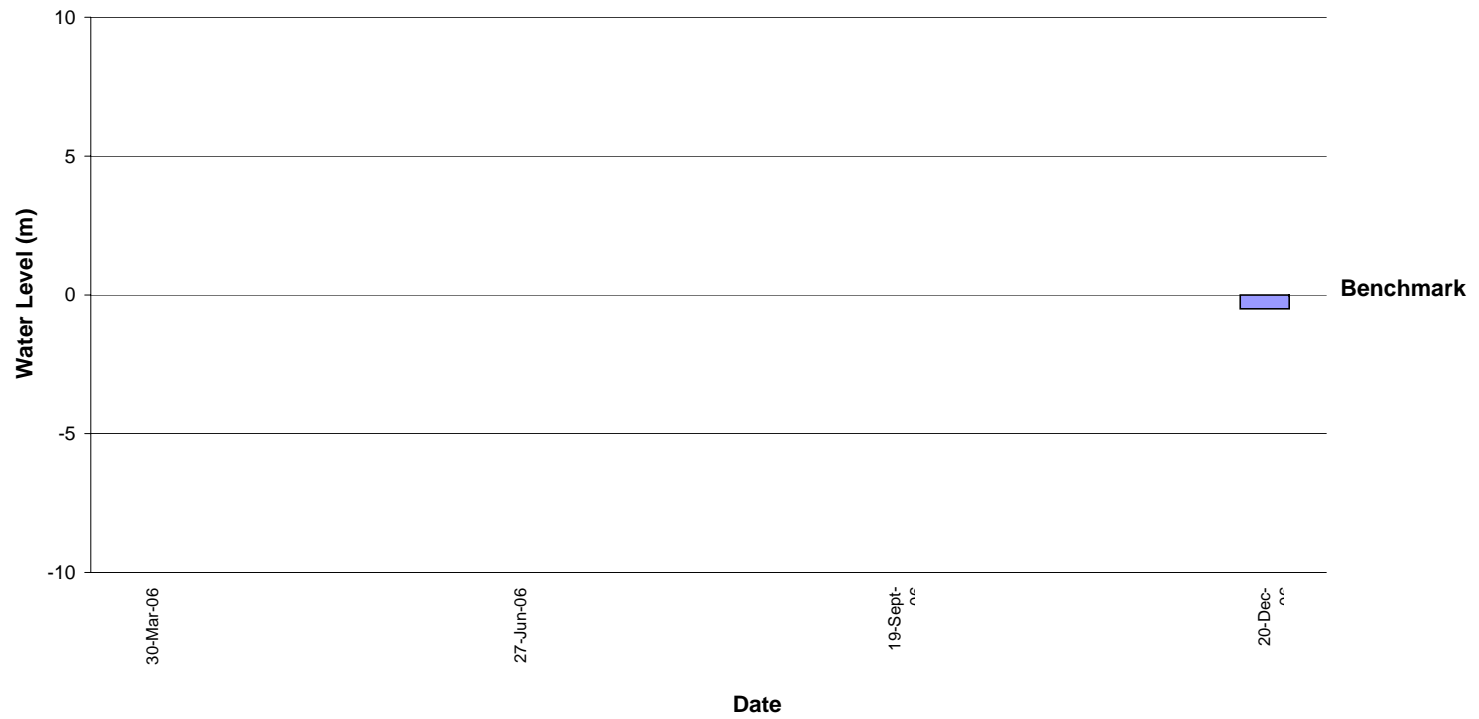
BC-15 Pit Water Level



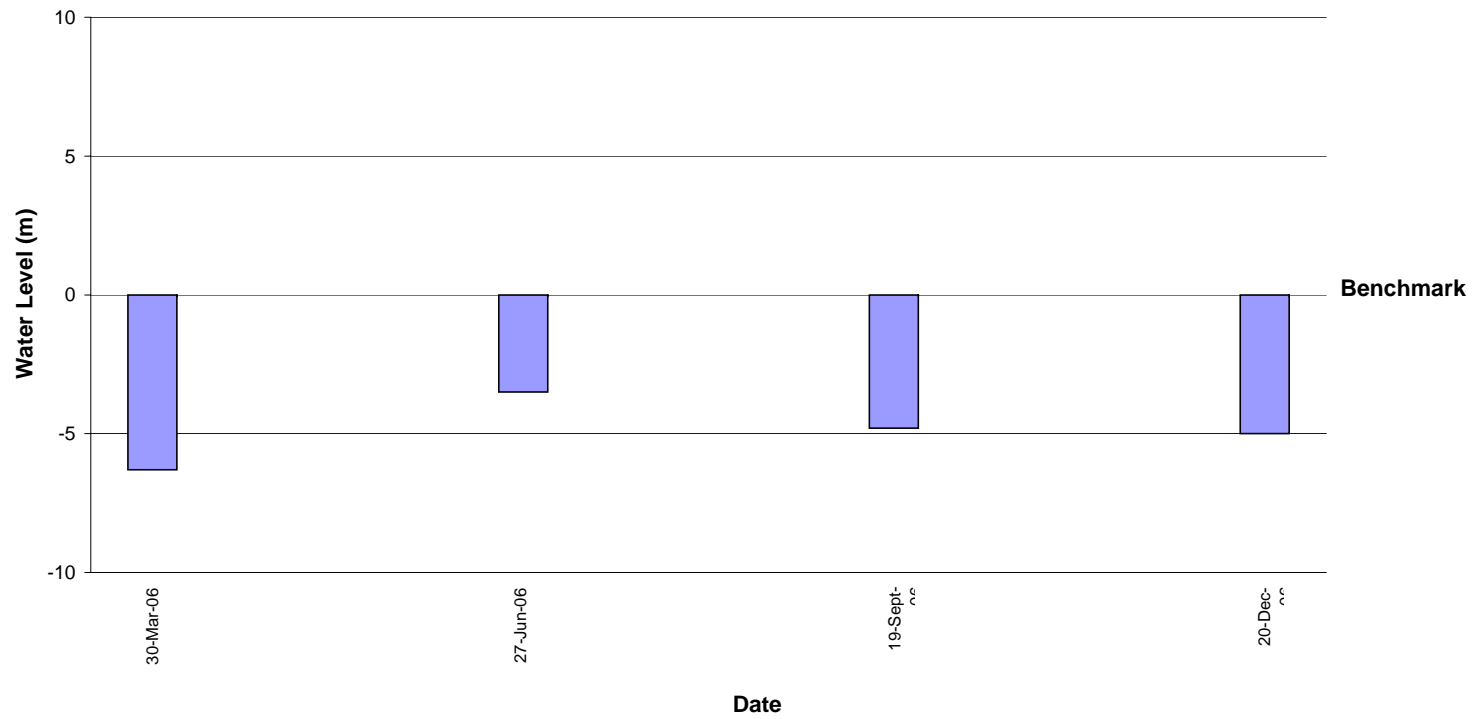
BC-17 Pit Water Level



BC-18 Pit Water Level



BC-51 Pit Water Level



Appendix D
STREAM SEDIMENT
QUALITY

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - Sept 2006

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	A	A
Ag	ppm	<0.2	<0.2	<0.2
Al	%	8590	9640	7110
As	ppm	16	5.2	11.6
Au	ppb			
B	ppm			
Ba	ppm	319	242	244
Bi	ppm	<0.5	<0.5	<0.5
Ca	%	4720	3630	5160
Cd	ppm	0.3	0.1	0.2
Co	ppm	5.76	5.09	5.6
Cr	ppm	16.1	15.6	14
Cu	ppm	14.2	11.4	16
Fe	%	16000	14900	15500
Hg	ppb	0.047	0.029	0.046
K	%	621	555	568
La	ppm			
Mg	%	3640	3220	3870
Mn	ppm	253	155	256
Mo	ppm	0.78	0.4	0.67
Na	%	117	117	131
Ni	ppm	19.6	15.1	17.9
P	%	810	667	678
Pb	ppm	7.5	7.5	6
Sb	ppm	1.7	<0.5	1.3
Se	ppm	<0.3	<0.3	<0.3
Sr	ppm	34.9	23.7	27.7
Th	ppm			
Ti	%	201	209	196
Tl	ppm	<0.3	<0.3	<0.3
U	ppm			
V	ppm	34.8	27.7	28
W	ppm			
Zn	ppm	71.2	52	58.3
LOI	%	3.607	3.042	3.52

LOI *Loss On Ignition*

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - Sept 2006

Sed. Stn. BC Stn.		W13: Lucky Ck. downstream of Lucky Pit BC-4	W09: South Klondike down from confluence with Lee Creek: BC-6
		A	A
Ag	ppm	<0.2	<0.2
Al	%	9610	8800
As	ppm	22.2	12.6
Au	ppb		
B	ppm		
Ba	ppm	385	390
Bi	ppm	<0.5	<0.5
Ca	%	9250	4530
Cd	ppm	0.65	1.4
Co	ppm	7.09	8.11
Cr	ppm	19	17
Cu	ppm	21.9	71.6
Fe	%	19800	19300
Hg	ppb	0.126	0.185
K	%	758	925
La	ppm		
Mg	%	5320	3760
Mn	ppm	340	453
Mo	ppm	0.87	1.9
Na	%	152	72
Ni	ppm	25.1	37.6
P	%	795	946
Pb	ppm	10.6	11.8
Sb	ppm	2	0.8
Se	ppm	<0.3	0.9
Sr	ppm	43.7	39.1
Th	ppm		
Ti	%	252	91.9
Tl	ppm	<0.3	<0.3
U	ppm		
V	ppm	40	52.3
W	ppm		
Zn	ppm	89.9	193
LOI	%	4.26	8.83

LOI Loss On Ignition

***Sites not sampled this year*

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - Sept 2006

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	A	A
Ag	ppm	0.2	0.2	0.3
Al	%	10800	6120	12400
As	ppm	20.3	292	8.5
Au	ppb			
B	ppm			
Ba	ppm	493	506	549
Bi	ppm	<0.5	<0.5	<0.5
Ca	%	8890	2810	7350
Cd	ppm	1.9	0.8	2.5
Co	ppm	9.12	6.31	10.2
Cr	ppm	21.4	12.4	25.1
Cu	ppm	41.4	34.1	54.2
Fe	%	22500	24100	24400
Hg	ppb	0.279	0.554	0.251
K	%	1040	976	1190
La	ppm			
Mg	%	4770	1750	5250
Mn	ppm	697	391	501
Mo	ppm	2	5.07	3.3
Na	%	103	58	79
Ni	ppm	44.1	28.5	54.4
P	%	933	611	1360
Pb	ppm	12.8	14.2	10.5
Sb	ppm	2.6	47.2	1.3
Se	ppm	1.1	1.8	1.3
Sr	ppm	64.2	53.8	59.8
Th	ppm			
Ti	%	106	39.7	197
Tl	ppm	<0.3	<0.3	<0.3
U	ppm			
V	ppm	60.8	45	93.7
W	ppm			
Zn	ppm	223	140	322
LOI	%	8.63	13.13	8.23

LOI Loss On Ignition

Brewery Creek Mine

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - Sept 2006

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	A	A
Ag	ppm	0.5	<0.2	<0.2
Al	%	14100	11000	7900
As	ppm	11.2	18.6	6.4
Au	ppb			
B	ppm			
Ba	ppm	635	725	269
Bi	ppm	<0.5	<0.5	<0.5
Ca	%	11000	7030	6220
Cd	ppm	3.3	1.6	0.59
Co	ppm	12.3	9.98	5.67
Cr	ppm	30.5	26.8	15.7
Cu	ppm	84.5	24.3	21.9
Fe	%	30200	21400	16800
Hg	ppb	0.347	0.51	0.081
K	%	1500	835	714
La	ppm			
Mg	%	6470	4880	4030
Mn	ppm	880	370	288
Mo	ppm	4.1	1.1	1.2
Na	%	94	95	107
Ni	ppm	73.5	49.4	23.2
P	%	1770	893	822
Pb	ppm	13.8	7	6.3
Sb	ppm	1.1	1.7	<0.5
Se	ppm	2.2	0.9	<0.3
Sr	ppm	84	53.7	38.4
Th	ppm			
Ti	%	170	124	177
Tl	ppm	<0.3	<0.3	<0.3
U	ppm			
V	ppm	111	54.3	40.8
W	ppm			
Zn	ppm	434	308	104
LOI	%	12.51	13.92	13.13

LOI Loss On Ignition

Stream Sediment Analysis: 35 Element Ultratrace ICP Scan - Sept 2006

Sed. Stn. BC Stn.		W05A: Laura Ck. at the Ditch Rd. BC-37	W08: Klondike above Golden Ck. BC-38
		A	A
Ag	ppm	<0.2	<0.2
Al	%	11800	11600
As	ppm	24.6	14.9
Au	ppb		
B	ppm		
Ba	ppm	394	598
Bi	ppm	<0.5	<0.5
Ca	%	7320	4970
Cd	ppm	0.55	1.3
Co	ppm	8.38	10
Cr	ppm	21.8	20.9
Cu	ppm	25.4	32.2
Fe	%	21000	24800
Hg	ppb	0.068	0.097
K	%	791	885
La	ppm		
Mg	%	4860	4730
Mn	ppm	368	530
Mo	ppm	1.1	1.3
Na	%	158	103
Ni	ppm	28.3	34.5
P	%	800	979
Pb	ppm	8.9	12.7
Sb	ppm	2.2	<0.5
Se	ppm	0.5	<0.3
Sr	ppm	50.3	44.2
Th	ppm		
Ti	%	266	134
Tl	ppm	<0.3	<0.3
U	ppm		
V	ppm	45.2	40.4
W	ppm		
Zn	ppm	91.2	158
LOI	%	7.04	7.48

LOI Loss On Ignition

Brewery Creek Mine

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

	W03: Laura Ck. below Exploration Camp BC-32 September 18, 2006	W04B: Laura Ck. above Carolyn Ck. BC-3 September 18, 2006	W15: Carolyn Ck. above Laura Ck. BC-2 September 18, 2006
	A % Weight	A % Weight	A % Weight
2.0 mm sieve	25.9	2.2	1.4
1.70 mm sieve	2.8	0.8	0.8
1.18 mm sieve	5.6	1.2	0.6
850 micron sieve	4.8	1.6	0.8
425 micron sieve	10.5	5.5	0.8
300 micron sieve	3.9	4.3	0.7
250 micron sieve	2.1	3	0.7
150 micron sieve	5.1	6.5	3.4
106 micron sieve	3.4	4.5	3.8
53 micron sieve	14.3	34.6	34.1
Pan	21.9	37	53.4
Total Percentage	100.3%	101.2%	100.5%

	W05: Laura Ck. above Ditch Rd. BC-1 September 18, 2006	W05A: Laura Ck. at the Ditch Rd. BC-37 September 18, 2006
	A % Weight	A % Weight
2.0 mm sieve	0.8	1.9
1.70 mm sieve	0.7	1.3
1.18 mm sieve	0.9	0.9
850 micron sieve	1.5	1.2
425 micron sieve	3.4	2
300 micron sieve	3	2
250 micron sieve	3.5	3.2
150 micron sieve	11.3	8
106 micron sieve	3	2.8
53 micron sieve	43.4	38.8
Pan	29.6	38.7
Total Percentage	101.1%	100.8%

Brewery Creek Mine

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

	W16: Golden Ck. above Lucky Ck. BC-36 September 18, 2006	W13: Lucky Ck. downstream of Lucky Pit BC-4 September 18, 2006	W02: Golden Ck. above the Klondike BC-31 September 18, 2006
	A % Weight	A % Weight	A % Weight
2.0 mm sieve	2.9	14.8	7.0
1.70 mm sieve	1.0	2.6	1.7
1.18 mm sieve	1.2	6.2	2.1
850 micron sieve	1.2	7.1	2.5
425 micron sieve	4.9	13.6	5.4
300 micron sieve	5.0	5.4	5.4
250 micron sieve	5.1	2.5	5.3
150 micron sieve	13.2	5.2	12.0
106 micron sieve	3.4	1.4	4.4
53 micron sieve	38.5	25.3	28.4
Pan	25.8	17.6	27.5
Total Percentage	102.20%	101.70%	101.70%

	W08: Klondike River above Golden Ck. BC-38 September 18, 2006	W09: Klondike Rive below Lee Ck. BC-6 September 18, 2006
	A % Weight	A % Weight
2.0 mm sieve	43.5	0.3
1.70 mm sieve	2.1	0.3
1.18 mm sieve	5.1	0.4
850 micron sieve	5.5	0.6
425 micron sieve	18.0	2.4
300 micron sieve	11.8	6.3
250 micron sieve	5.7	12.2
150 micron sieve	7.0	46.4
106 micron sieve	1.7	15.1
53 micron sieve	3.3	11.3
Pan	2.3	6.2
Total Percentage	106.00%	101.50%

Brewery Creek Mine

sediment Analysis: GRAIN SIZE DISTRIBUTION - Pacific Creek Monitoring Stations

W14: Pacific Ck. below Mine Camp BC-35 September 18, 2006	
A % Weight	
2.0 mm sieve	1.9
1.70 mm sieve	0.8
1.18 mm sieve	1.0
850 micron sieve	1.4
425 micron sieve	2.9
300 micron sieve	4.5
250 micron sieve	6.5
150 micron sieve	18.4
106 micron sieve	6.1
53 micron sieve	39.5
Pan	18.9
Total Percentage	101.9%

Brewery Creek Mine

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

	W06A: Lee Creek above Pacific Creek BC-33 September 18, 2006	W07: Lee Creek at the Ditch Road BC-34 September 18, 2006
	A % Weight	A % Weight
2.0 mm sieve	52.7	17.4
1.70 mm sieve	3.2	3.5
1.18 mm sieve	3.5	5.0
850 micron sieve	2.4	4.6
425 micron sieve	4.6	6.6
300 micron sieve	3.0	6.7
250 micron sieve	2.0	10.0
150 micron sieve	4.8	22.7
106 micron sieve	3.5	2.7
53 micron sieve	8.7	12.1
Pan	12.1	7.7
Total Percentage	100.5%	99.0%

Brewery Creek Mine

Stream Sediment Analysis: HISTORICAL COMPARISON

Lucky Ck. Monitoring Station														
W13														
BC-4														
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
As	ppm	70.6	106.7	101.9	326.5	191.0	132.9	157.9	96.6	141.5	79.7	69.8	22.2	
Sb	ppm	16.4	19.7	24.0	92.4	34.9	28.1	34.6	16.3	7.9	8.9	7.2	2.0	
Cd	ppm	2.0	2.3	1.3	2.5	1.8	1.5	1.7	1.6	1.6	1.4	1.5	0.7	
Cu	ppm	33.8	28.7	33.5	39.1	49.1	29.9	38.9	28.0	33.9	24.3	41.0	21.9	
Hg	ppm	0.3	1.0	1.9	1.2	1.0	1.1	1.2	0.7	0.9	0.5	0.4	0.1	
Mo	ppm	4.0	4.7	7.2	6.5	5.1	5.3	6.6	4.2	5.9	3.9	3.4	0.9	
Pb	ppm	23.7	34.0	48.5	62.5	47.0	35.3	40.7	32.5	46.0	29.1	29.3	10.6	
Ni	ppm	37.4	46.7	30.0	54.0	41.0	31.3	39.3	32.8	39.2	46.3	46.0	25.1	
Zn	ppm	216.0	307.0	170.6	298.4	237.0	158.1	213.4	190.4	240.8	194.8	211.0	89.9	

Golden Creek Monitoring Stations														
W16														
BC-36														
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
As	ppm	19.2	8.0	6.4	8.1	10.2	13.1	9.2	4.6	12.0	6.1	22.3	6.4	
Sb	ppm	2.6	2.0	2.1	1.5	2.0	2.6	1.4	1.0	1.4	2.0	2.6	<0.5	
Cd	ppm	2.4	1.1	1.4	1.0	1.2	1.9	1.4	1.5	2.5	1.3	1.9	0.6	
Cu	ppm	99.0	42.3	59.3	41.8	61.7	55.7	45.2	31.1	58.8	33.1	26.7	21.9	
Hg	ppm	0.4	1.0	0.2	0.1	0.2	0.3	0.3	0.5	0.2	0.2	0.5	0.1	
Mo	ppm	4.3	3.0	4.8	3.6	4.2	5.1	3.6	2.5	4.1	2.6	1.6	1.2	
Pb	ppm		6.3	13.2	8.4	13.0	9.9	9.9	8.6	11.0	7.3	8.4	6.3	
Ni	ppm	50.0	46.3	56.0	40.0	47.0	45.9	50.6	33.2	58.8	43.5	61.8	23.2	
Zn	ppm	308.5	289.7	302.7	217.8	290.0	268.3	300.7	204.8	362.3	230.4	373.0	104.0	

Golden Creek Monitoring Stations															
W02															
BC-31															
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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	36.3	20.3
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	6.6	2.6
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	2.3	1.9
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	39.7	41.4
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	0.2	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	3.0	2.0
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	17.7	12.8
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	56.8	44.1
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	297.0	223.0

* all values represent mean of replicate samples

**Sites not sampled this year

Stream Sediment Analysis: HISTORICAL COMPARISON

Klondike River Monitoring Stations

**W8
BC-38**

		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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	16.4	14.9
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	0.8	0.5
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	1.0	1.3
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	25.9	32.2
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	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	1.6	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	12.2	12.7
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	34.0	34.5
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	168.0	158.0

Klondike River Monitoring Stations

**W9
BC-6**

		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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	13.3	12.6
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	1.0	0.8
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	1.3	1.4
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	38.0	71.6
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	0.1	0.2
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	2.6	1.9
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	11.5	11.8
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	45.1	54.4
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	231.0	193.0

* all values represent mean of replicate samples

Brewery Creek Mine

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	2005	2006		
As	ppm	108.6	47.0	61.9	104.5	263.0	103.5	100.8	79.1	128.0	216.4	157.0	292.0		
Sb	ppm	94.2	43.0	61.9	83.8	162.6	47.8	61.6	41.7	31.4	59.9	42.9	47.2		
Cd	ppm	2.0	1.3	1.6	2.6	1.1	2.0	2.3	1.8	2.5	2.0	1.7	0.8		
Cu	ppm	32.3	23.0	31.4	32.3	51.6	35.1	36.2	27.5	36.5	34.7	48.3	34.1		
Hg	ppm	0.4	0.3	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.4	0.8	0.6		
Mo	ppm	4.0	3.0	4.5	6.1	9.1	5.3	5.3	4.2	5.2	6.7	6.2	5.1		
Pb	ppm	15.0	12.0	21.3	22.1	19.0	17.6	21.9	16.6	22.9	16.6	22.8	14.2		
Ni	ppm	33.3	34.0	42.0	45.0	48.0	35.6	45.2	34.5	48.4	55.8	36.7	28.5		
Zn	ppm	199.0	204.0	224.1	278.4	203.0	177.9	248.1	202.8	281.0	224.7	184.0	140.0		

Laura Creek and Carolyn Creek Monitoring Stations															
W04B															
BC-3															
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006		
As	ppm	14.5	39.0	46.8	64.4	79.3	112.1	51.6	34.7	71.8	21.5	24.3	11.6		
Sb	ppm	4.3	17.0	25.1	30.5	30.5	321.3	19.9	13.1	12.8	9.4	4.9	1.3		
Cd	ppm	2.0	0.6	1.0	1.1	1.1	1.7	1.0	1.0	1.1	0.5	0.7	0.2		
Cu	ppm	27.4	23.0	30.8	27.3	65.7	33.3	26.1	22.0	24.9	16.3	35.8	16.0		
Hg	ppm	0.0	0.1	0.1	0.2	0.3	0.5	0.2	0.2	0.2	0.1	0.1	0.0		
Mo	ppm	4.0	1.0	3.0	2.9	3.3	3.3	2.0	1.8	2.1	1.3	1.5	0.7		
Pb	ppm	11.0	10.0	27.1	20.1	22.0	25.8	14.0	11.6	13.8	8.4	16.6	6.0		
Ni	ppm	24.5	34.0	39.0	43.0	40.0	43.3	42.5	32.0	43.7	29.6	38.2	17.9		
Zn	ppm	66.8	157.0	159.7	187.0	205.0	176.5	183.9	138.3	189.1	99.9	129.0	58.3		

Laura Creek and Carolyn Creek Monitoring Stations															
W15															
BC-2															
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006		
As	ppm	10.7	11.0	12.6	20.2	16.0	16.4	14.2	12.0	19.6	8.0	12.8	5.2		
Sb	ppm	1.6	2.0	3.8	4.0	3.8	2.9	2.7	2.2	2.8	1.5	1.6	0.5		
Cd	ppm	2.0	0.2	0.6	1.1	0.7	0.7	0.5	0.6	0.7	0.3	0.6	0.1		
Cu	ppm	17.9	21.0	35.7	47.3	43.6	32.6	27.0	25.1	31.3	14.4	30.5	11.4		
Hg	ppm	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0		
Mo	ppm	4.0	1.0	1.8	1.8	0.9	0.9	0.8	0.7	1.0	0.5	1.2	0.4		
Pb	ppm	10.0	7.0	22.2	20.2	8.0	14.8	13.1	11.9	15.5	8.7	16.2	7.5		
Ni	ppm	18.2	22.0	28.0	36.0	24.0	24.9	27.6	21.8	31.7	24.2	29.3	15.1		
Zn	ppm	61.3	74.0	68.6	88.2	81.0	59.9	78.9	64.6	88.8	69.0	84.4	52.0		

Laura Creek and Carolyn Creek Monitoring Stations															
W05															
BC-1															
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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	40.9	16.0
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	3.6	1.7
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	2.5	0.3
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	62.5	14.2
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	0.1	0.0
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	2.2	0.8
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	19.1	7.5
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	59.4	19.6
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	192.0	71.2

Brewery Creek Mine

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	2005	2006		
As	ppm	28.1	46.0	77.4	70.1	80.9	70.9	99.3	41.8	61.8	39.5	42.8	24.6		
Sb	ppm	12.1	19.0	36.0	30.4	32.0	19.7	24.1	11.0	9.7	7.2	4.3	2.2		
Cd	ppm	2.0	0.6	1.7	1.7	1.8	1.3	2.0	1.3	1.2	1.0	1.7	0.6		
Cu	ppm	36.5	34.0	49.5	43.8	87.5	32.2	45.2	27.5	34.0	29.0	50.9	25.4		
Hg	ppm	0.1	0.2	0.3	0.3	0.4	0.2	0.5	0.3	0.2	0.1	0.1	0.1		
Mo	ppm	4.0	2.0	4.1	3.7	3.7	2.8	2.8	1.7	2.4	1.4	2.4	1.1		
Pb	ppm	10.0	14.0	20.4	17.9	13.0	15.6	16.5	13.3	15.4	10.9	20.0	8.9		
Ni	ppm	30.8	38.0	51.0	48.0	45.0	39.5	49.9	33.0	41.5	49.7	55.0	28.3		
Zn	ppm	108.3	166.0	179.5	192.8	222.0	150.4	191.6	137.5	171.2	161.8	188.0	91.2		

Laura Creek and Carolyn Creek Monitoring Stations															
W39 BC-39															
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006		
As	ppm										62.8	104.0	**		
Sb	ppm										11.1	10.9	**		
Cd	ppm										1.2	1.6	**		
Cu	ppm										29.2	35.4	**		
Hg	ppm										0.3	0.4	**		
Mo	ppm										2.5	3.4	**		
Pb	ppm										14.6	22.7	**		
Ni	ppm										41.2	42.5	**		
Zn	ppm										175.2	218.0	**		

Laura Creek and Carolyn Creek Monitoring Stations															
W53 BC-53															
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006		
As	ppm									77.4	69.9	21.8	**		
Sb	ppm									11.7	15.8	2.2	**		
Cd	ppm									2.0	1.1	1.1	**		
Cu	ppm									47.6	25.6	29.5	**		
Hg	ppm									0.3	0.3	0.1	**		
Mo	ppm									2.4	1.7	1.3	**		
Pb	ppm									16.1	10.7	14.7	**		
Ni	ppm									52.1	39.9	35.5	**		
Zn	ppm									185.5	138.8	122.0	**		

* all values represent mean of replicate samples

**Sites not sampled this year

Brewery Creek Mine

Stream Sediment Analysis: HISTORICAL COMPARISON

Pacific Creek Monitoring Stations															
W11															
BC-5															
		1991				1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
As	ppm	13.0				33.4	27.2	**	20.8	23.1	14.5	**	12.3	13.7	**
Sb	ppm	2.0				3.0	5.9	**	3.1	3.7	2.5	**	1.8	2.3	**
Cd	ppm	2.1				2.1	3.4	**	2.6	2.7	2.8	**	2.3	2.9	**
Cu	ppm	36.0				47.3	55.9	**	38.3	43.3	36.6	**	30.0	51.3	**
Hg	ppm	0.2				0.4	0.3	**	0.5	0.8	0.4	**	0.3	0.3	**
Mo	ppm	1.0				5.1	4.6	**	2.9	2.6	2.5	**	1.8	2.4	**
Pb	ppm	8.0				13.1	14.5	**	9.6	10.5	9.4	**	7.5	13.2	**
Ni	ppm	58.0				61.0	73.0	**	59.8	73.9	60.4	**	63.4	66.2	**
Zn	ppm	342.0				378.8	412.7	**	367.2	460.9	371.5	**	321.9	385.0	**

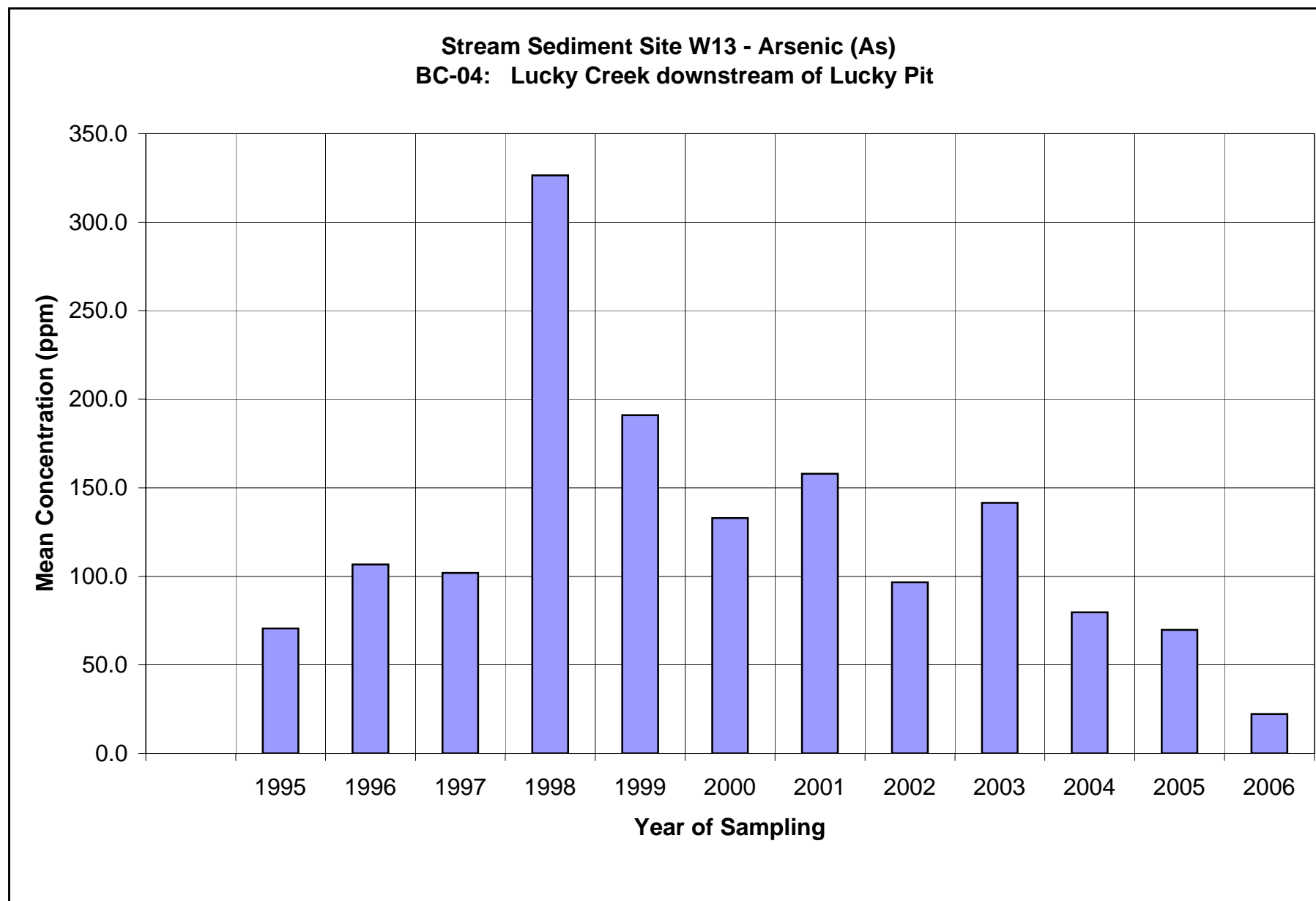
Pacific Creek Monitoring Stations														
W14														
BC-35														
			1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
As	ppm		18.9	24.0	28.2	41.5	44.3	20.6	31.9	21.5	38.0	33.1	10.9	18.6
Sb	ppm		3.5	3.0	5.1	6.8	6.6	3.3	5.1	5.9	3.2	3.7	1.4	1.7
Cd	ppm		2.0	1.5	1.3	2.1	2.0	1.5	1.8	1.3	2.5	1.7	1.9	1.6
Cu	ppm		25.1	30.0	36.5	38.9	56.0	23.0	36.9	24.8	41.6	27.4	51.0	23.3
Hg	ppm		0.5	0.8	0.8	1.0	1.4	0.9	0.9	0.6	0.7	0.5	0.2	0.5
Mo	ppm		4.0	1.0	2.3	2.7	2.3	1.4	2.0	1.5	2.2	1.9	4.3	1.1
Pb	ppm		10.0	8.0	9.6	9.4	11.0	6.2	9.3	7.4	10.1	8.0	11.1	7.0
Ni	ppm		46.0	59.0	71.0	75.0	72.0	44.1	68.9	47.7	78.8	77.9	45.6	49.4
Zn	ppm		241.7	351.0	371.2	410.6	445.0	240.0	365.2	270.3	453.1	421.6	263.0	308.0

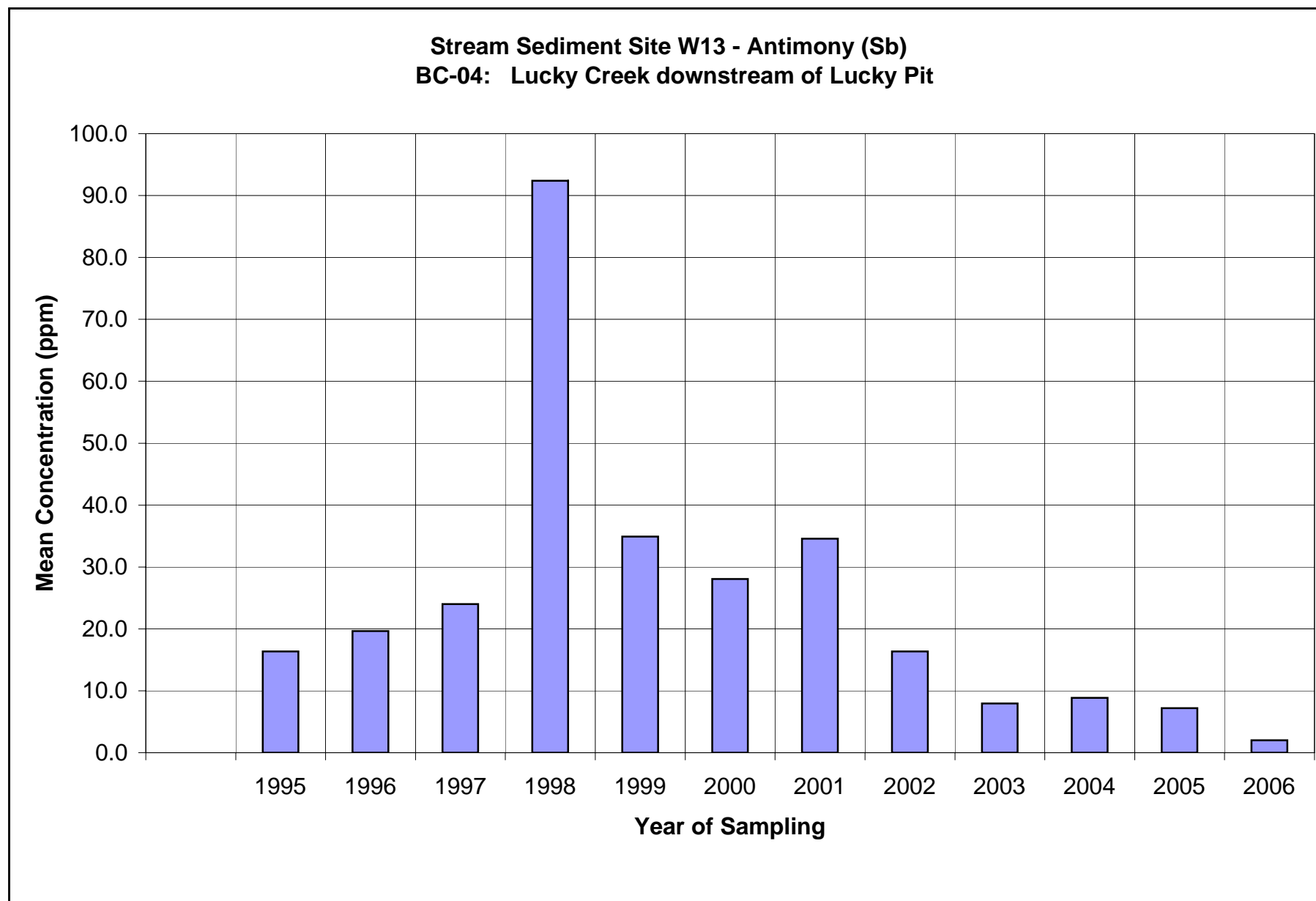
Lee Creek Monitoring Stations															
W06A															
BC-33															
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
As	ppm	15.0	8.0	6.3	10.0	10.7	13.2	12.2	17.1	12.8	7.5	11.5	6.9	9.0	8.5
Sb	ppm	2.0	8.0	2.3	2.0	2.8	3.6	2.8	3.2	2.5	1.5	1.2	0.9	1.4	1.3
Cd	ppm	3.0	2.9	2.4	2.7	2.1	2.8	2.1	1.8	2.2	1.7	1.9	2.3	2.6	2.5
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	53.0	54.2
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	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	3.9	3.3
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	12.1	10.5
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	58.6	54.4
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	335.0	322.0

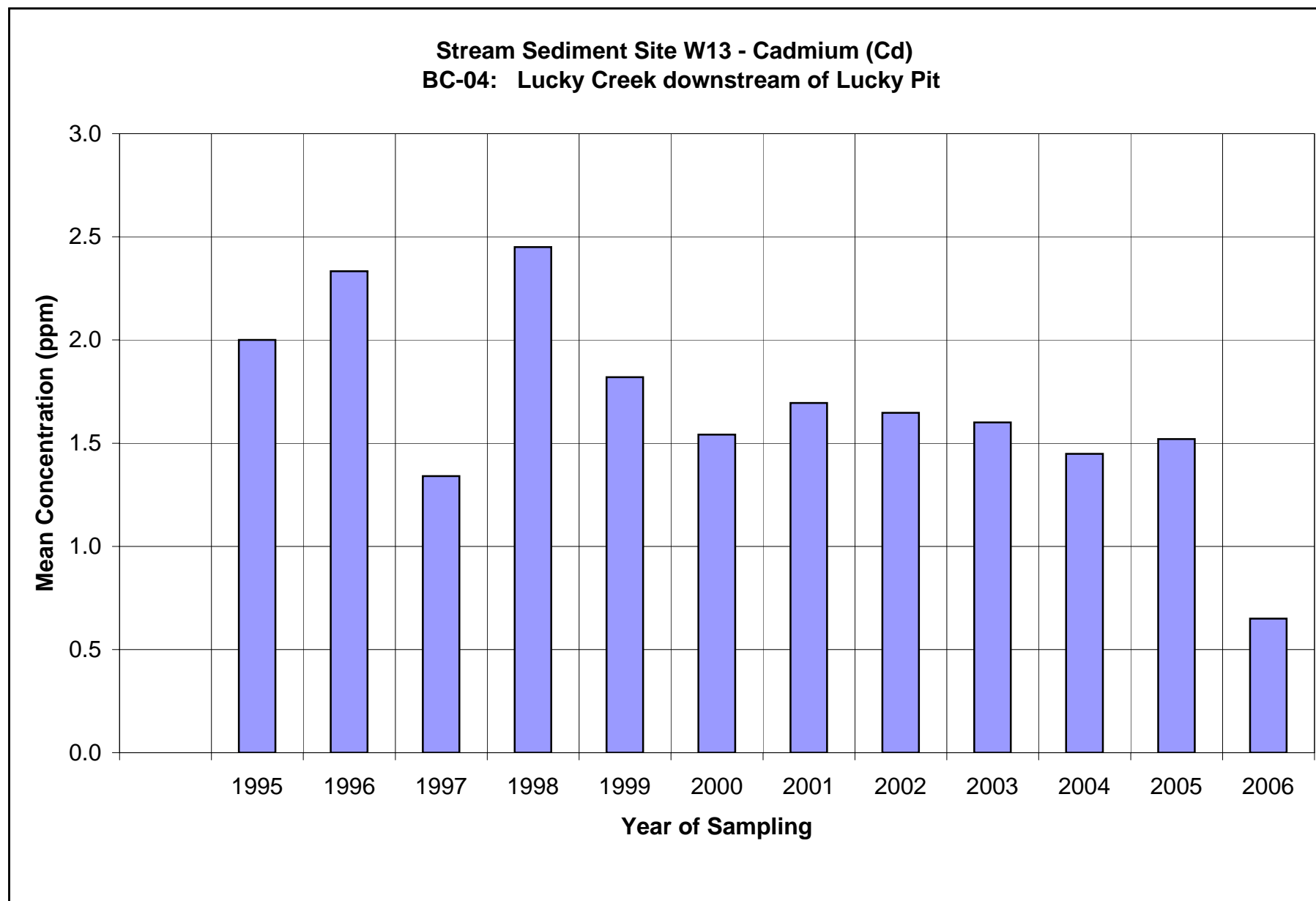
Lee Creek Monitoring Stations															
W07															
BC-34															
		1991	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
As	ppm	12.0	8.0	8.0	10.0	9.4	10.2	**	9.1	11.9	7.5	11.8	8.0	9.2	11.2
Sb	ppm	2.0	8.0	2.8	2.0	2.6	3.2	**	2.9	2.4	1.6	1.2	1.8	2.7	1.1
Cd	ppm	3.2	3.2	2.6	4.2	2.3	2.6	**	1.8	2.1	1.8	1.9	2.8	2.0	3.3
Cu	ppm	70.0	66.0	67.5	76.0	66.9	55.3	**	50.3	57.4	44.2	54.7	49.7	48.2	84.5
Hg	ppm	0.2	0.0	0.3	0.3	0.3	0.2	**	0.2	0.3	0.2	0.2	0.3	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	3.7	4.1
Pb	ppm	12.0	10.0	10.0	12.0	13.5	10.1	**	10.7	10.8	8.6	14.4	9.5	11.3	13.8
Ni	ppm	81.0	71.3	63.5	85.0	74.0	69.0	**	60.3	67.4	51.7	67.3	75.7	61.2	73.5
Zn	ppm	497.0	437.3	397.3	508.0	456.1	402.9	**	344.5	434.9	315.3	427.5	370.9	353.0	434.0

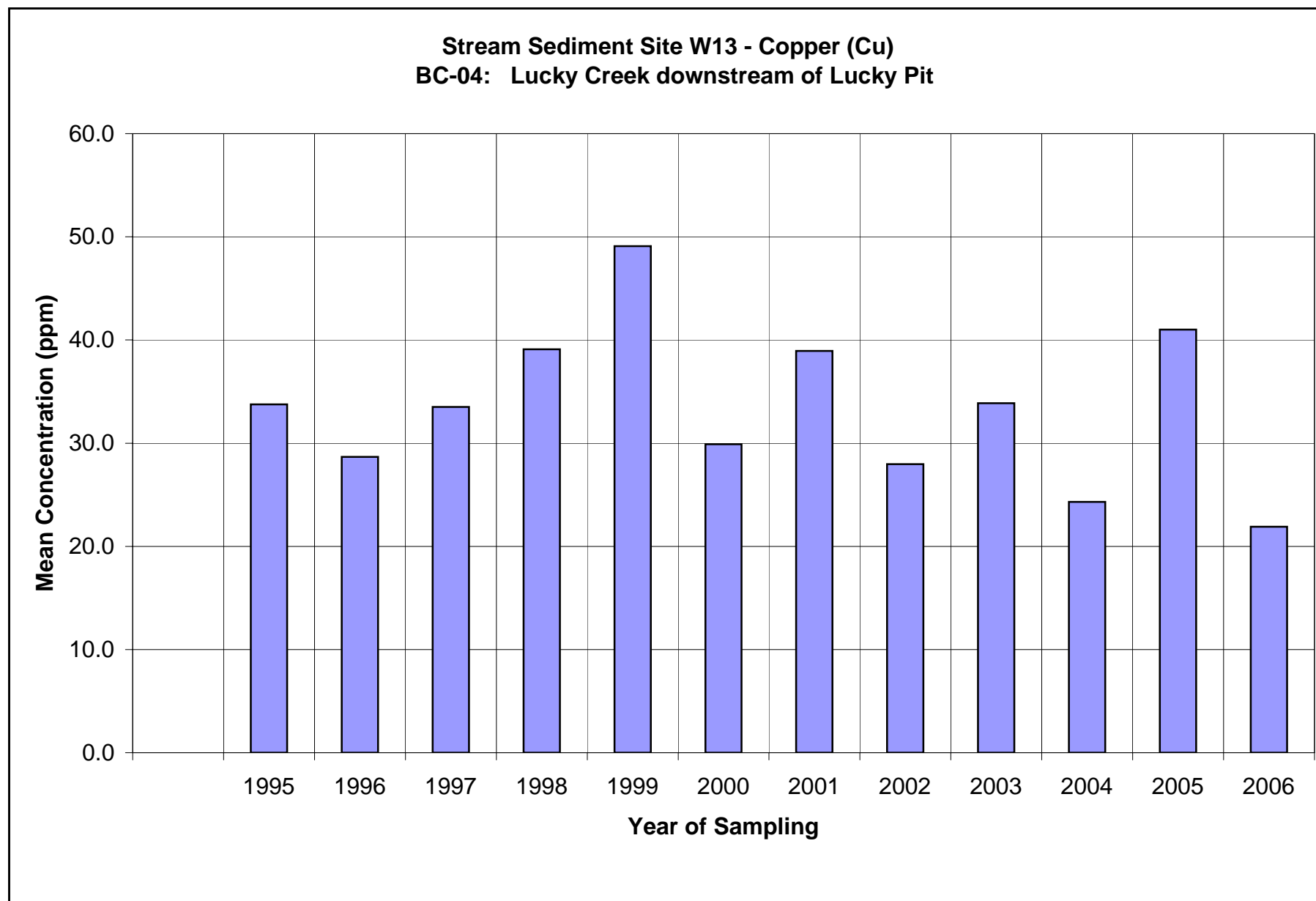
* all values represent mean of replicate samples

**Sites not sampled this year

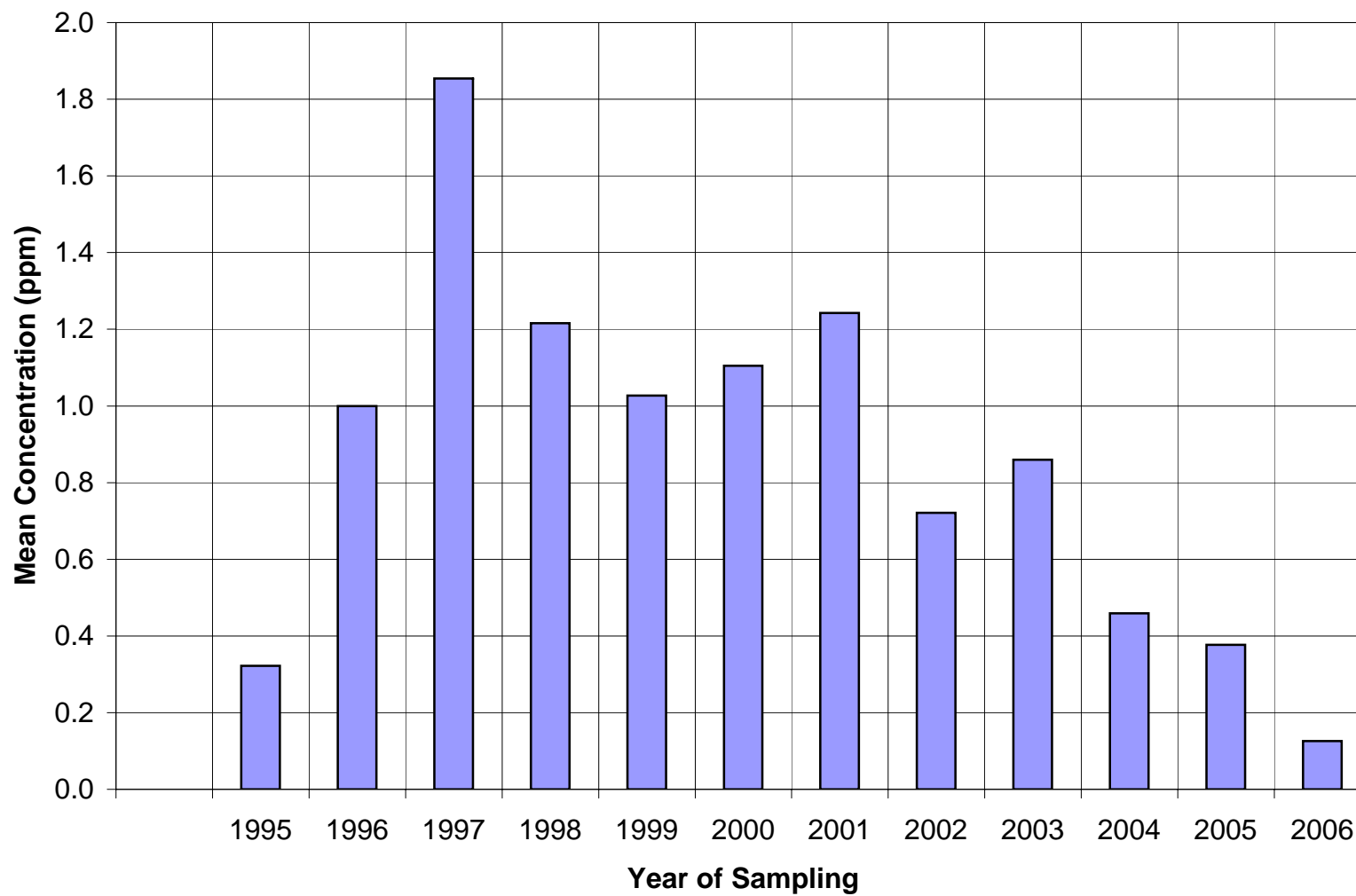




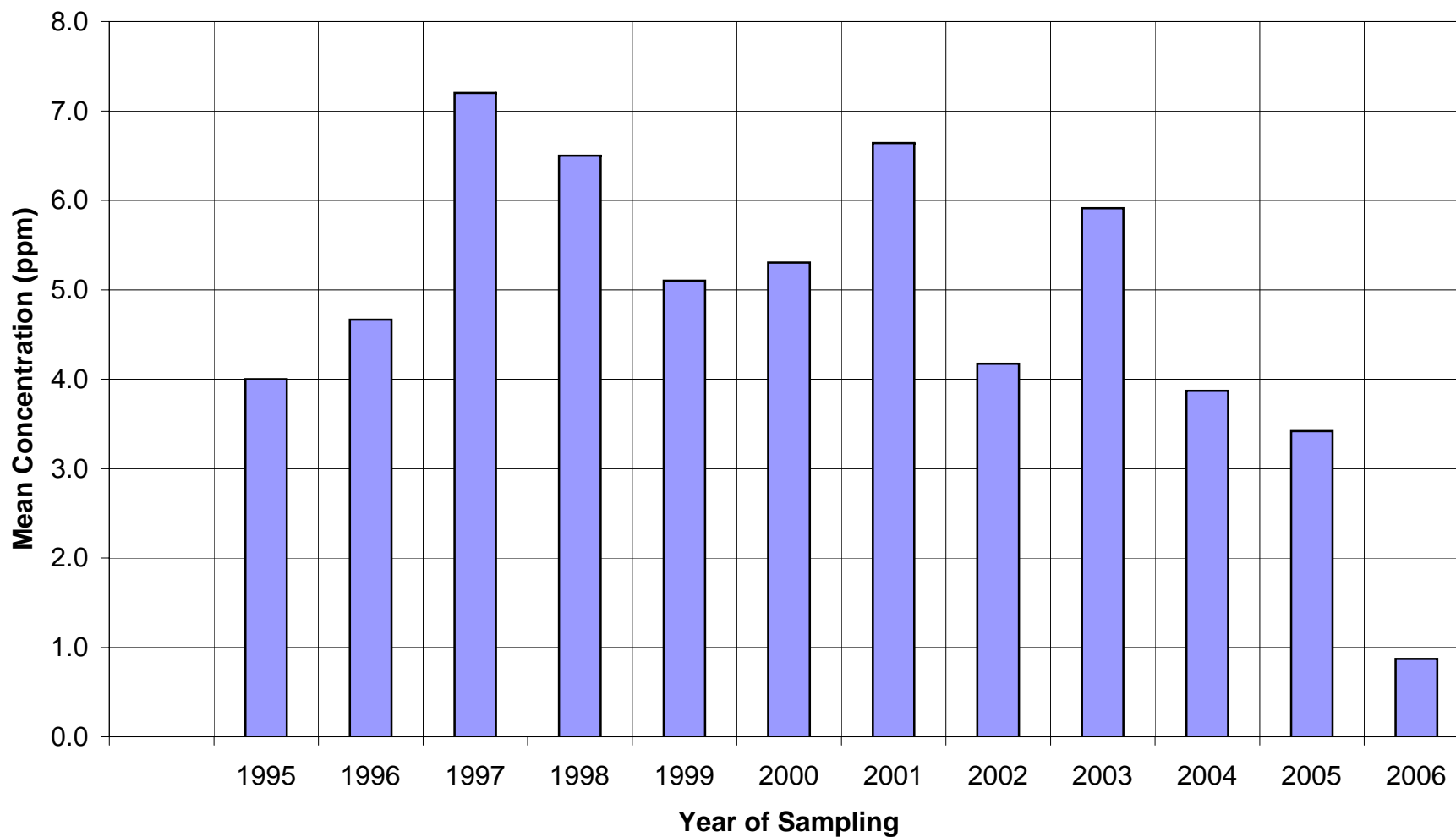


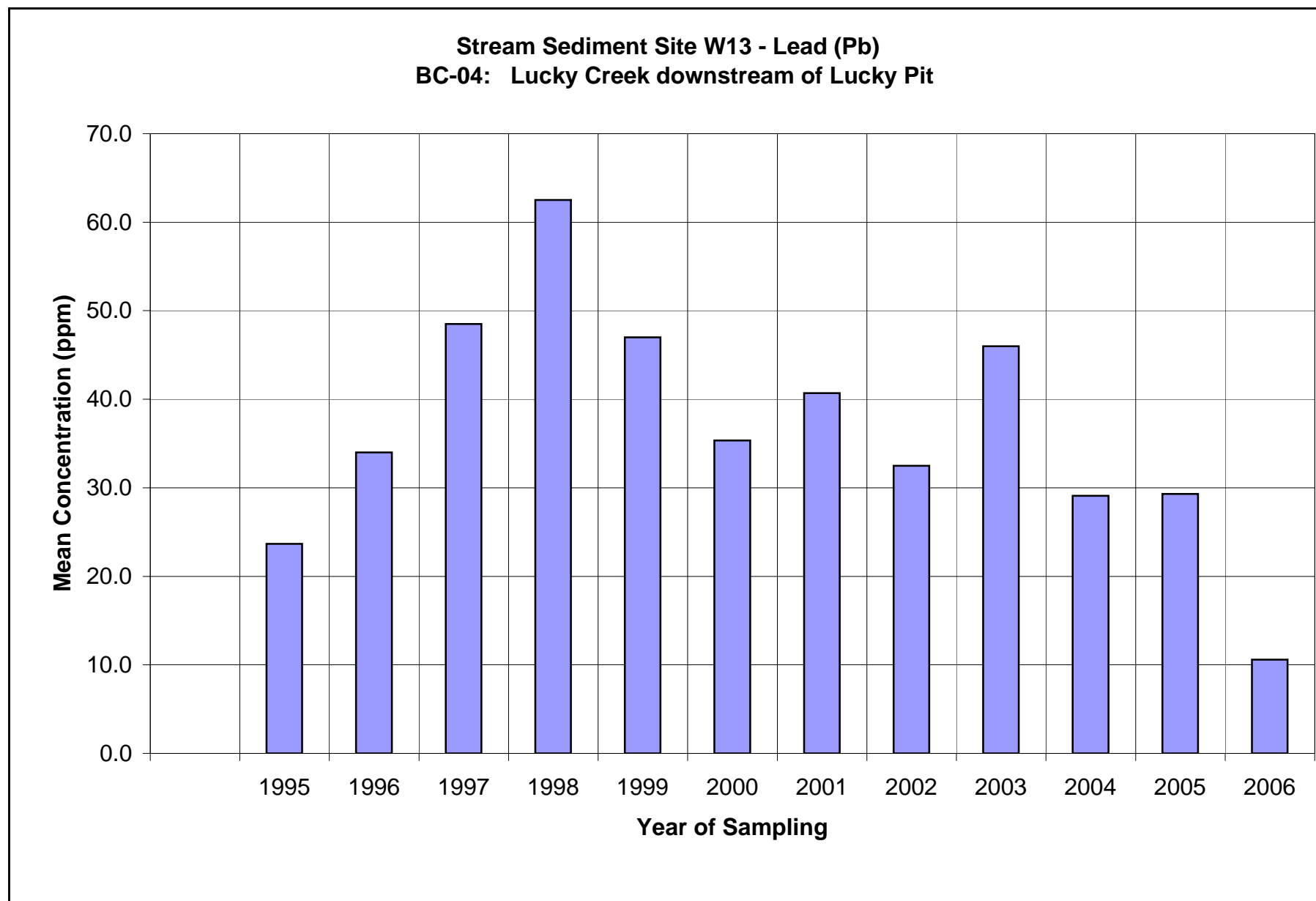


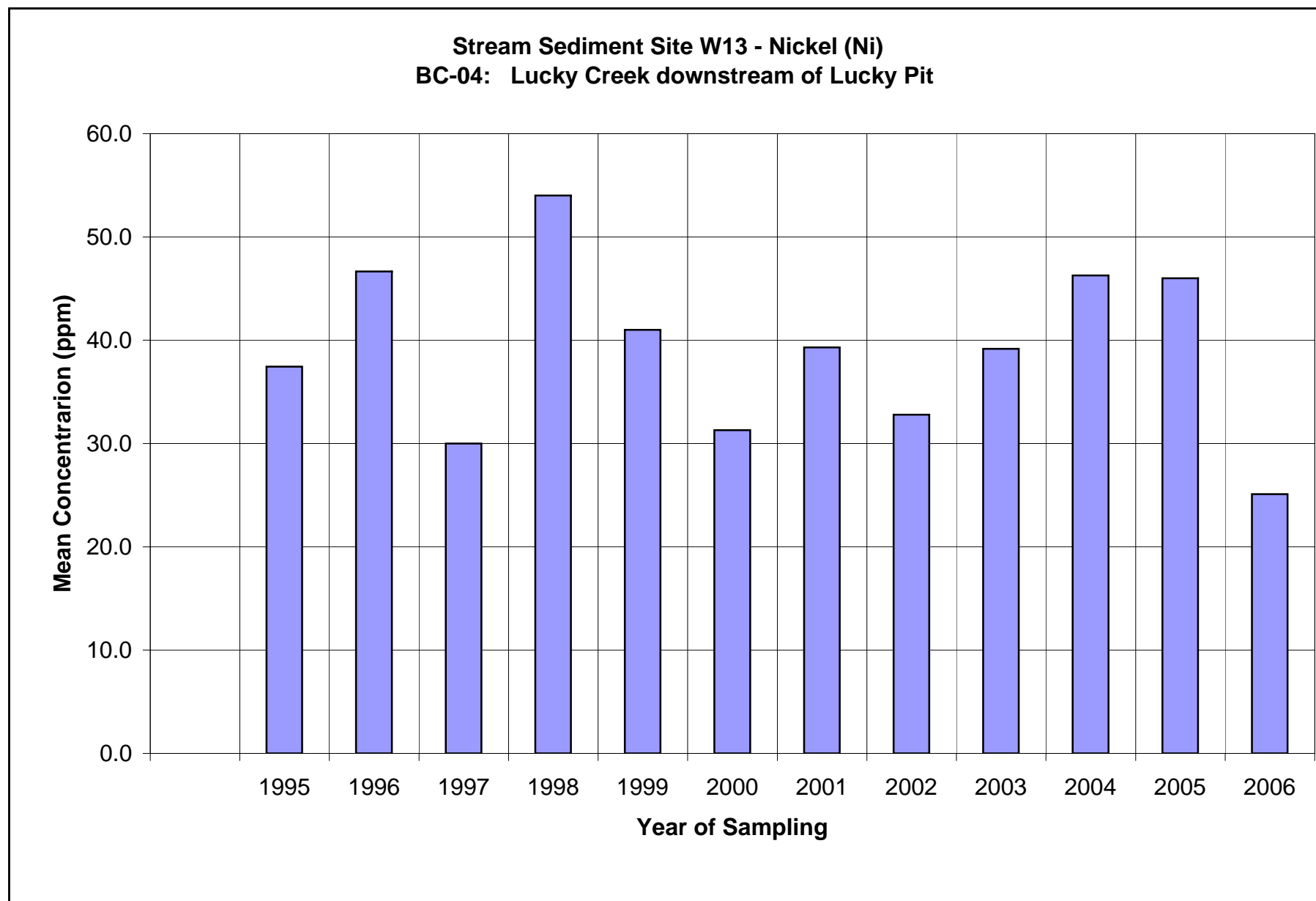
**Stream Sediment Site W13 - Mercury (Hg)
BC-04: Lucky Creek downstream of Lucky Pit**



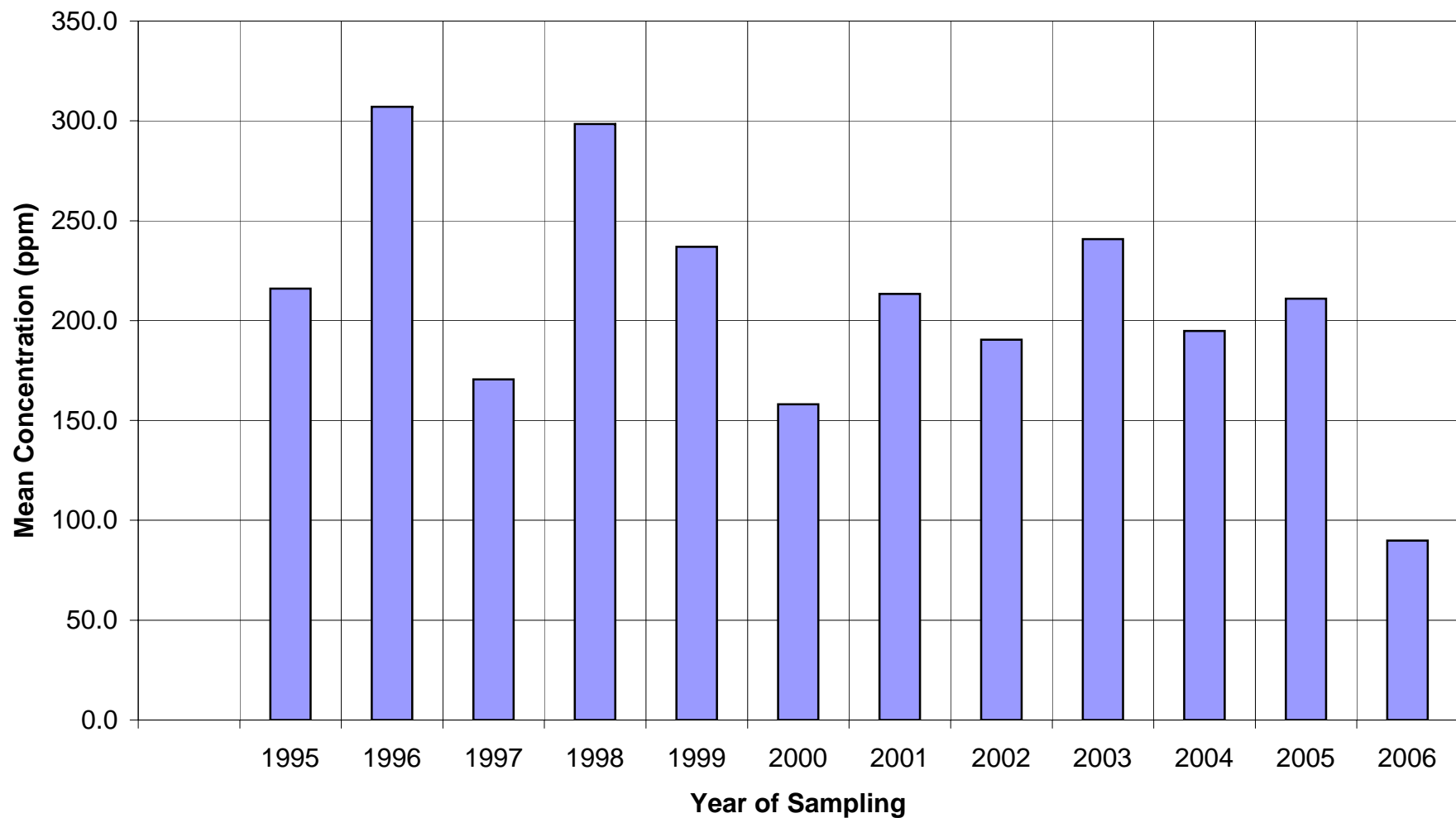
Stream Sediment Site W13 - Molybdenum (Mo)
BC-04: Lucky Creek downstream of Lucky Pit

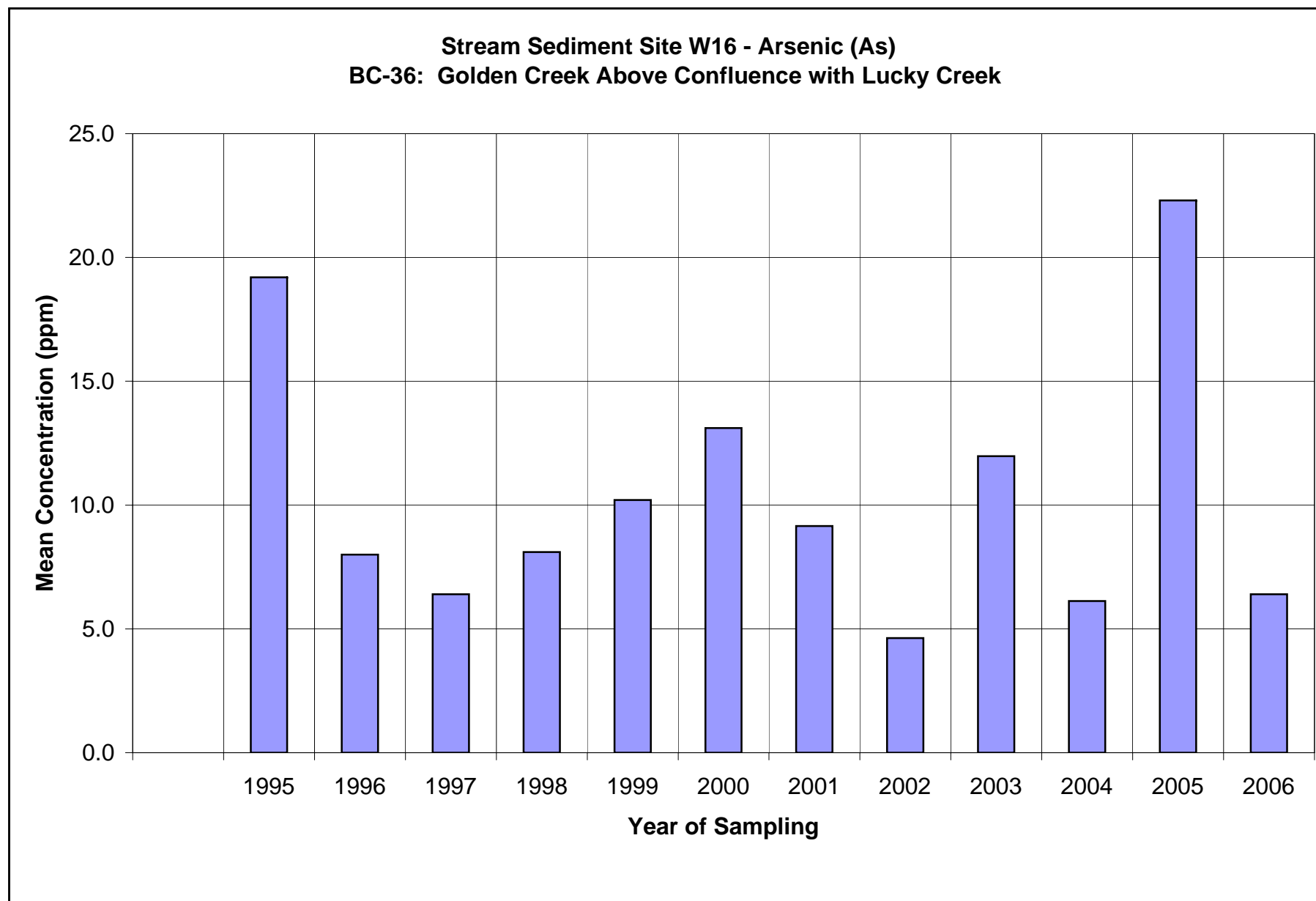


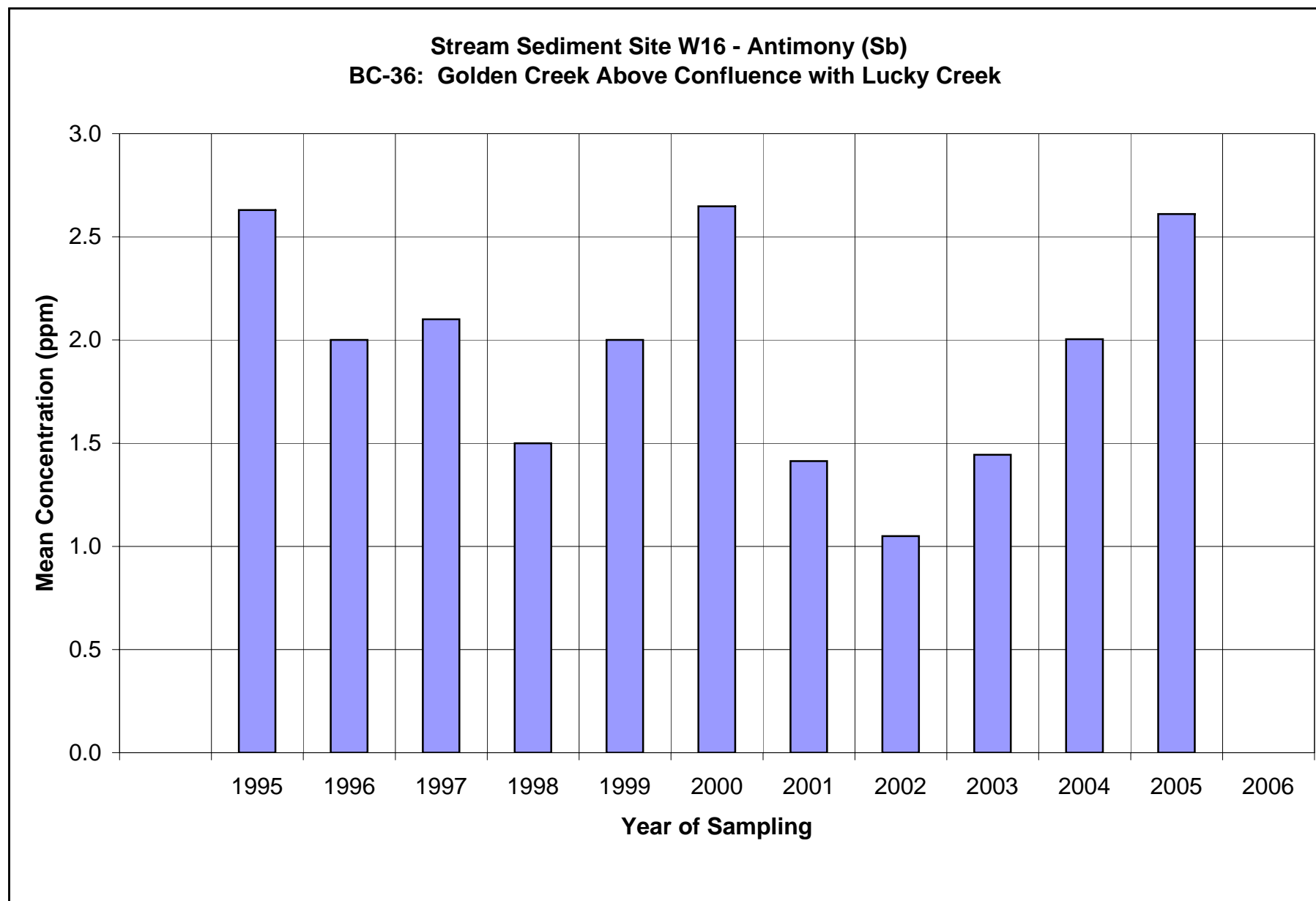


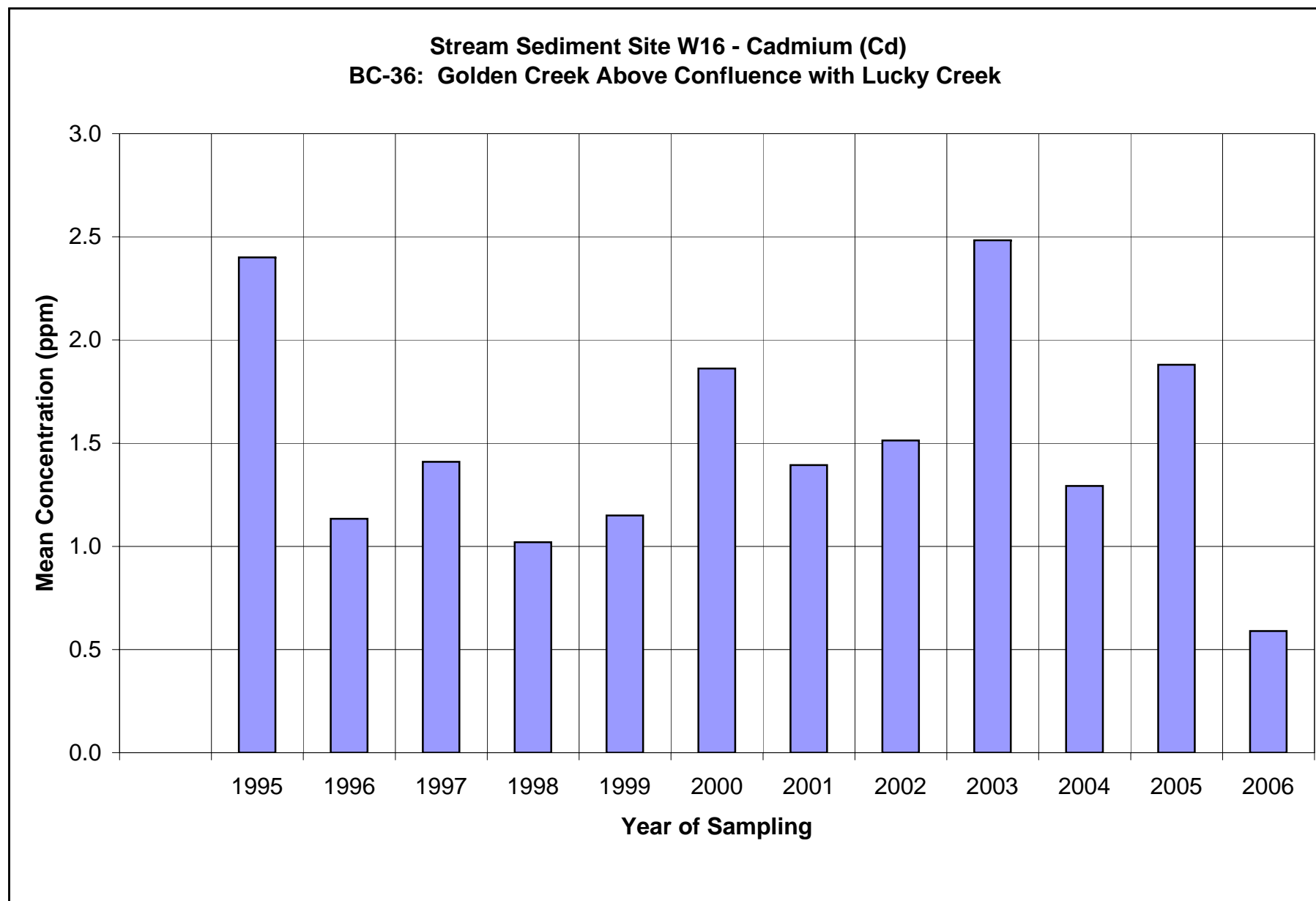


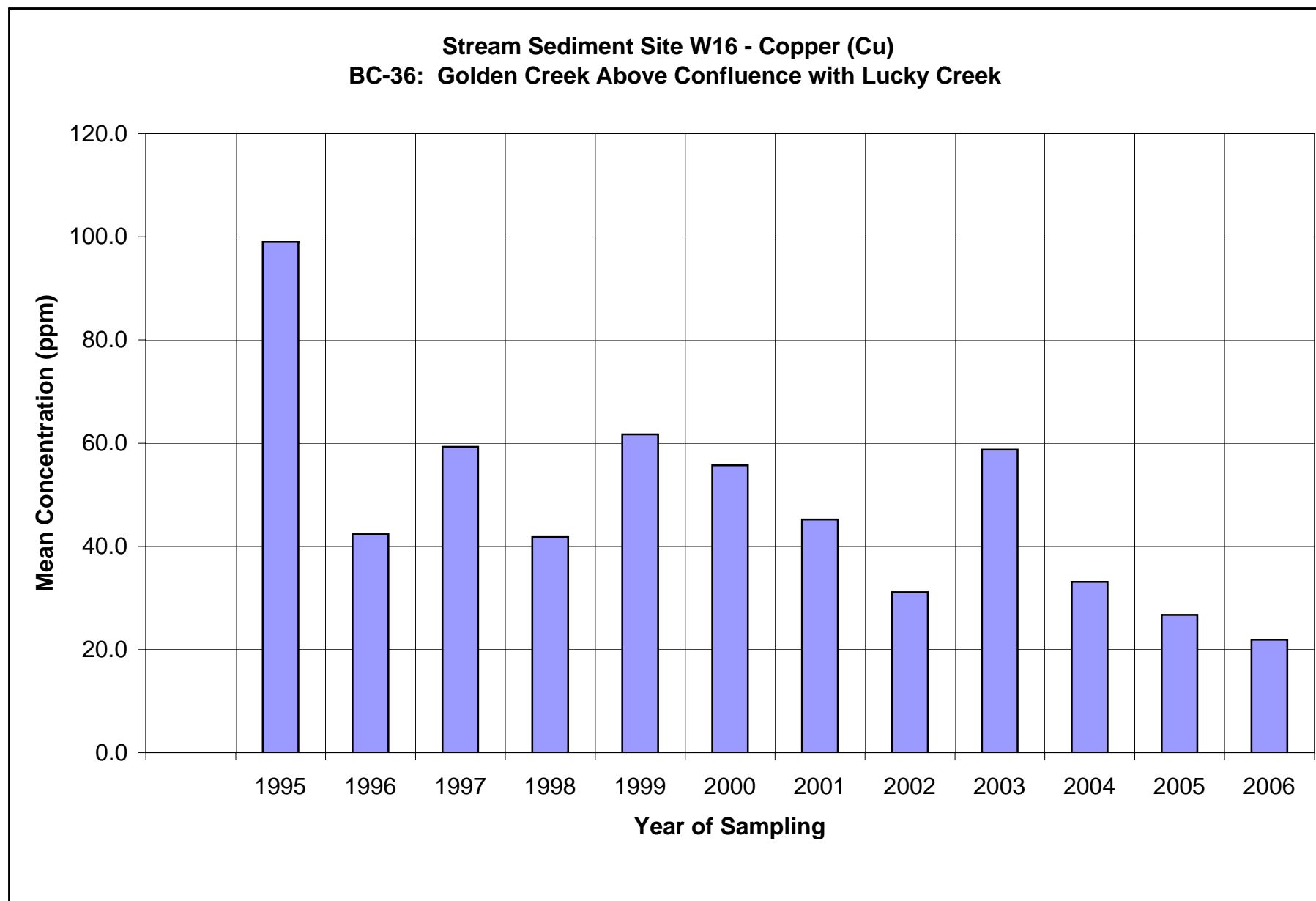
Stream Sediment Site W13 - Zinc (Zn)
BC-04: Lucky Creek downstream of Lucky Pit

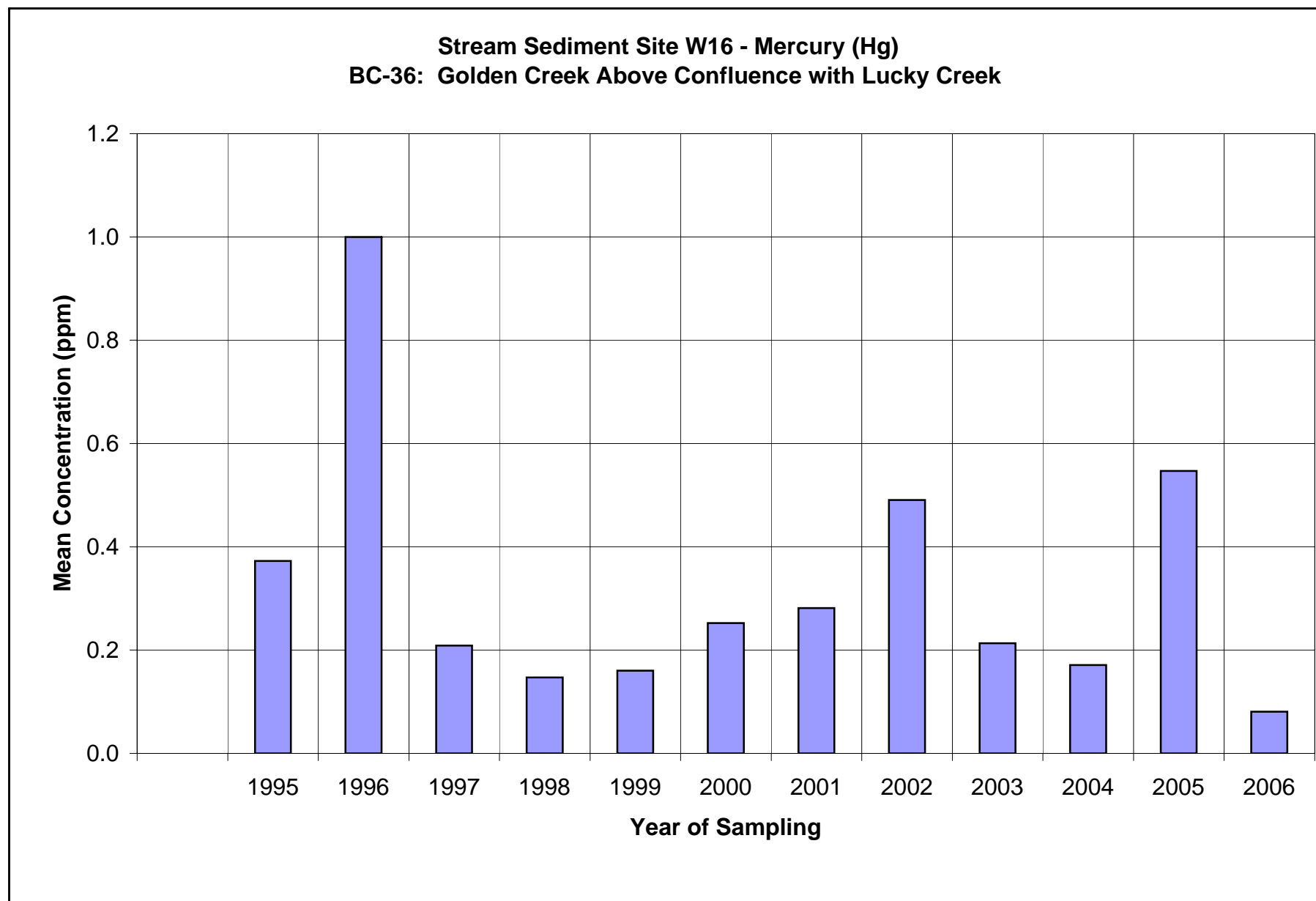


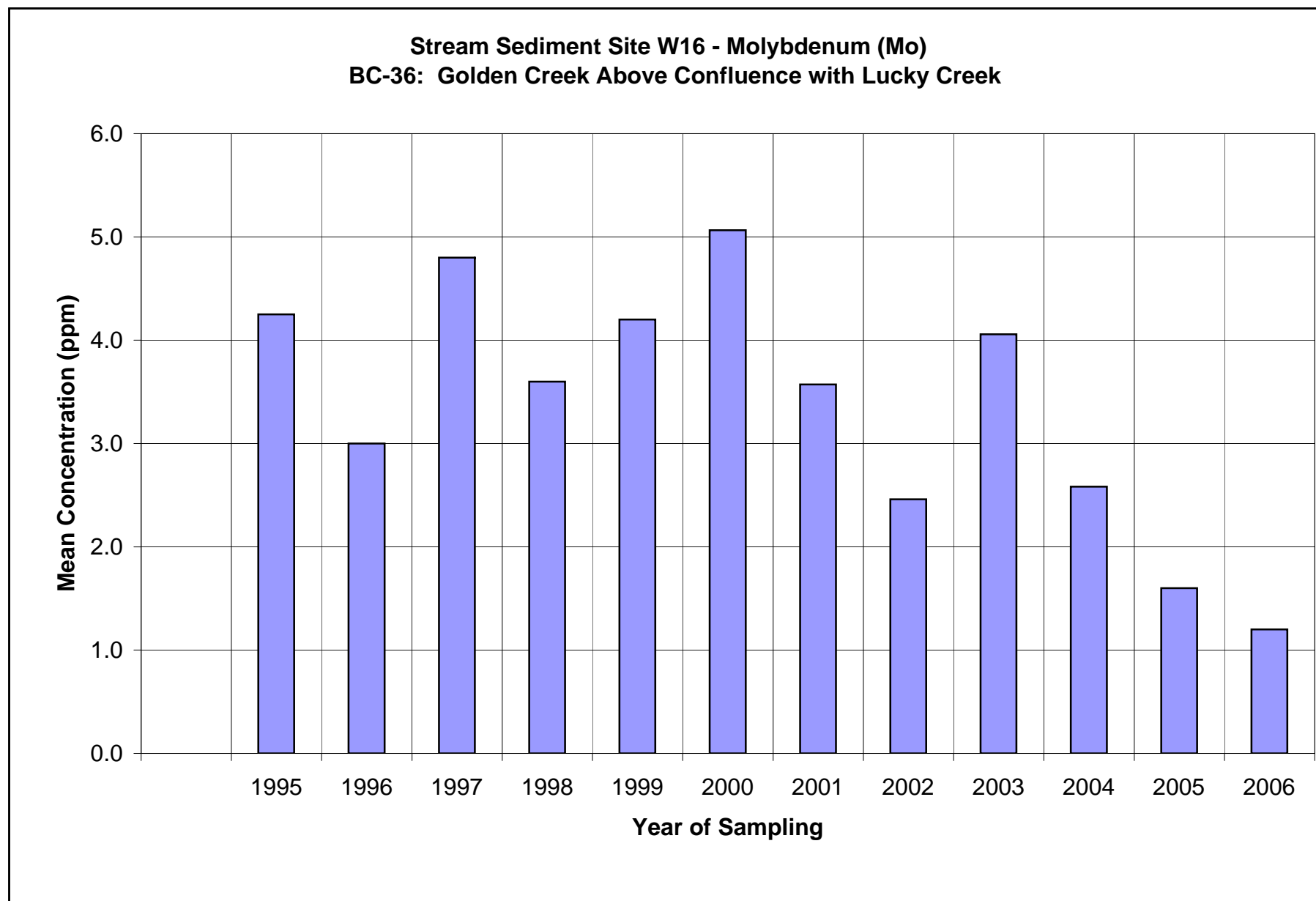


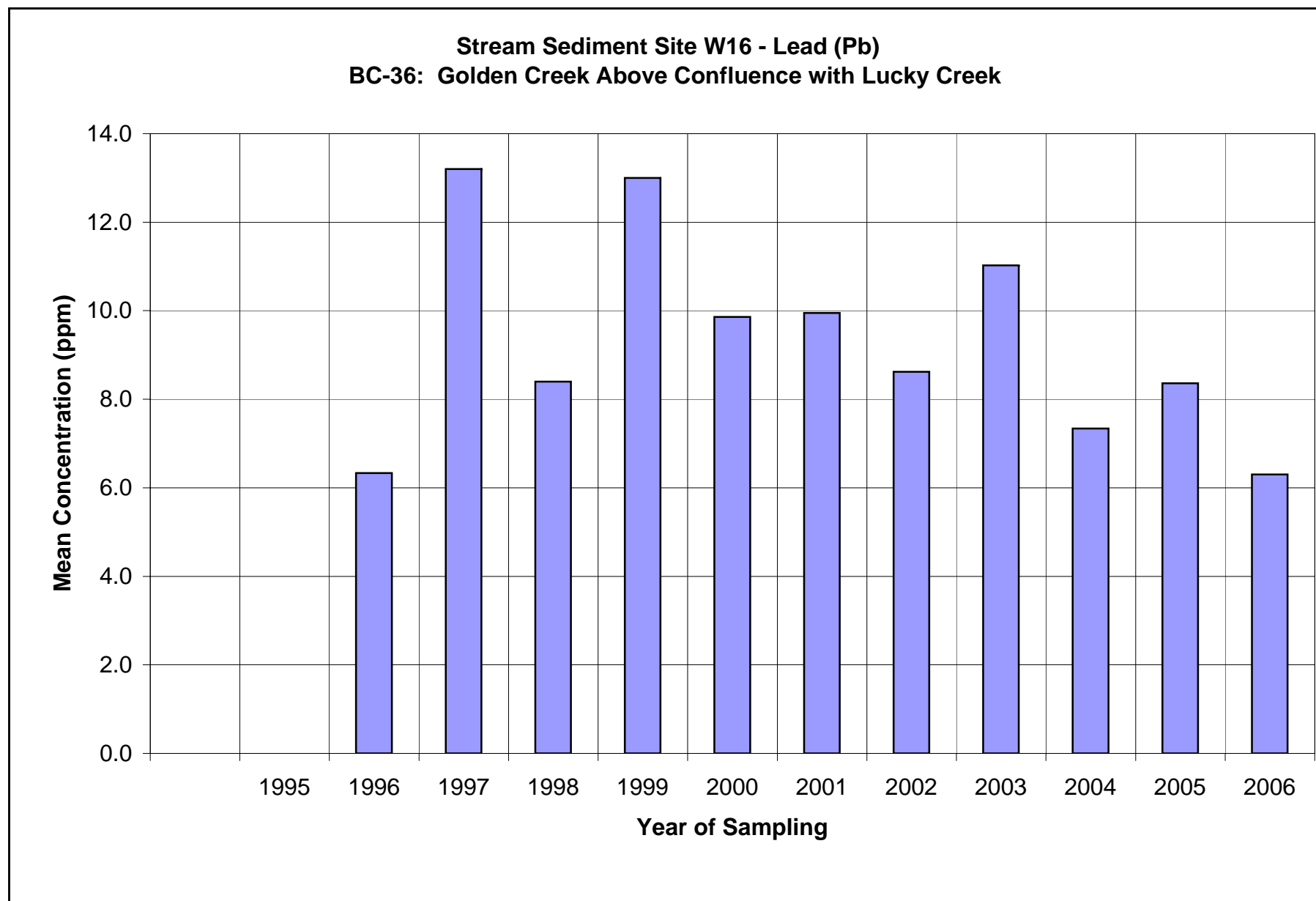




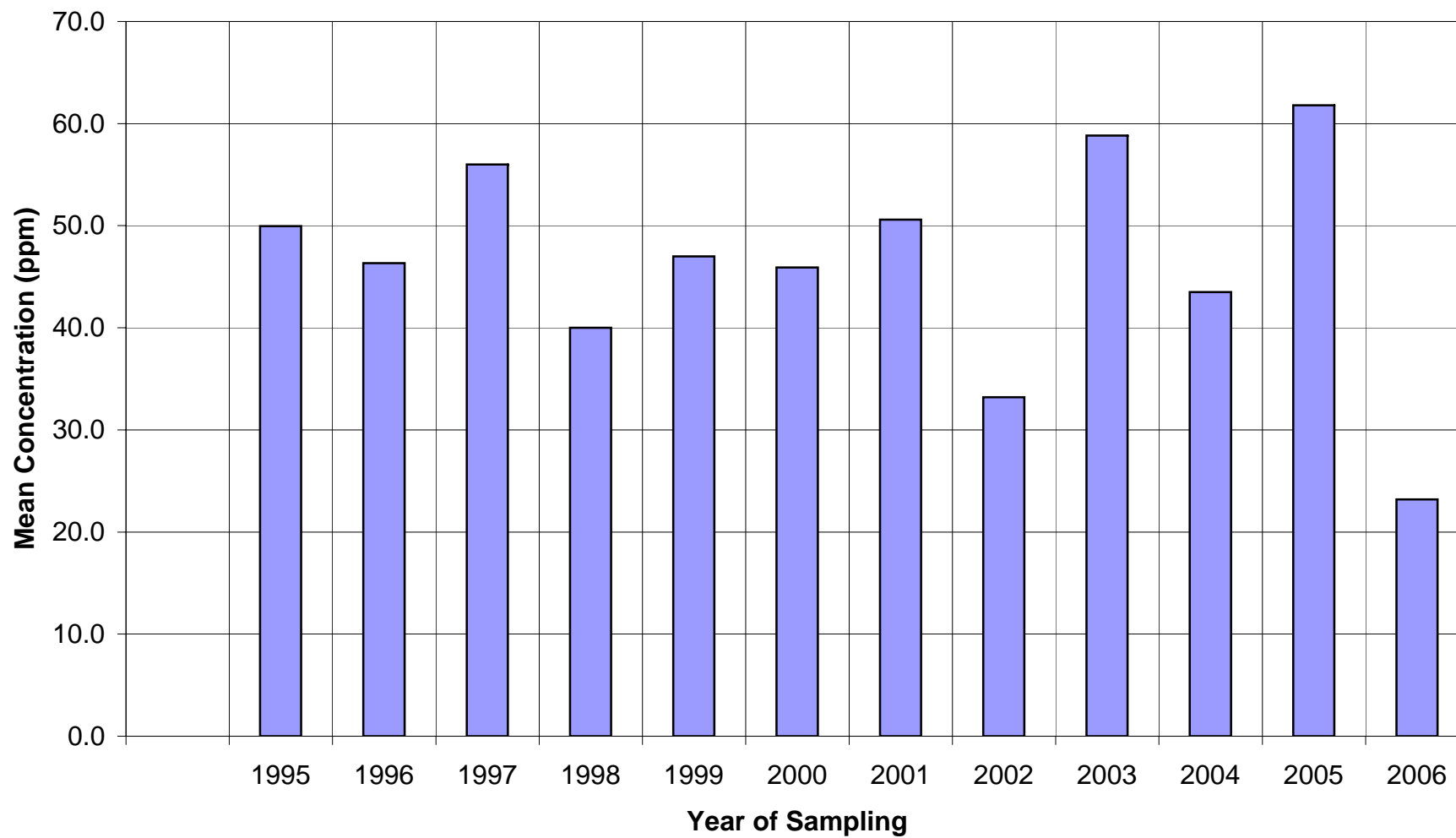




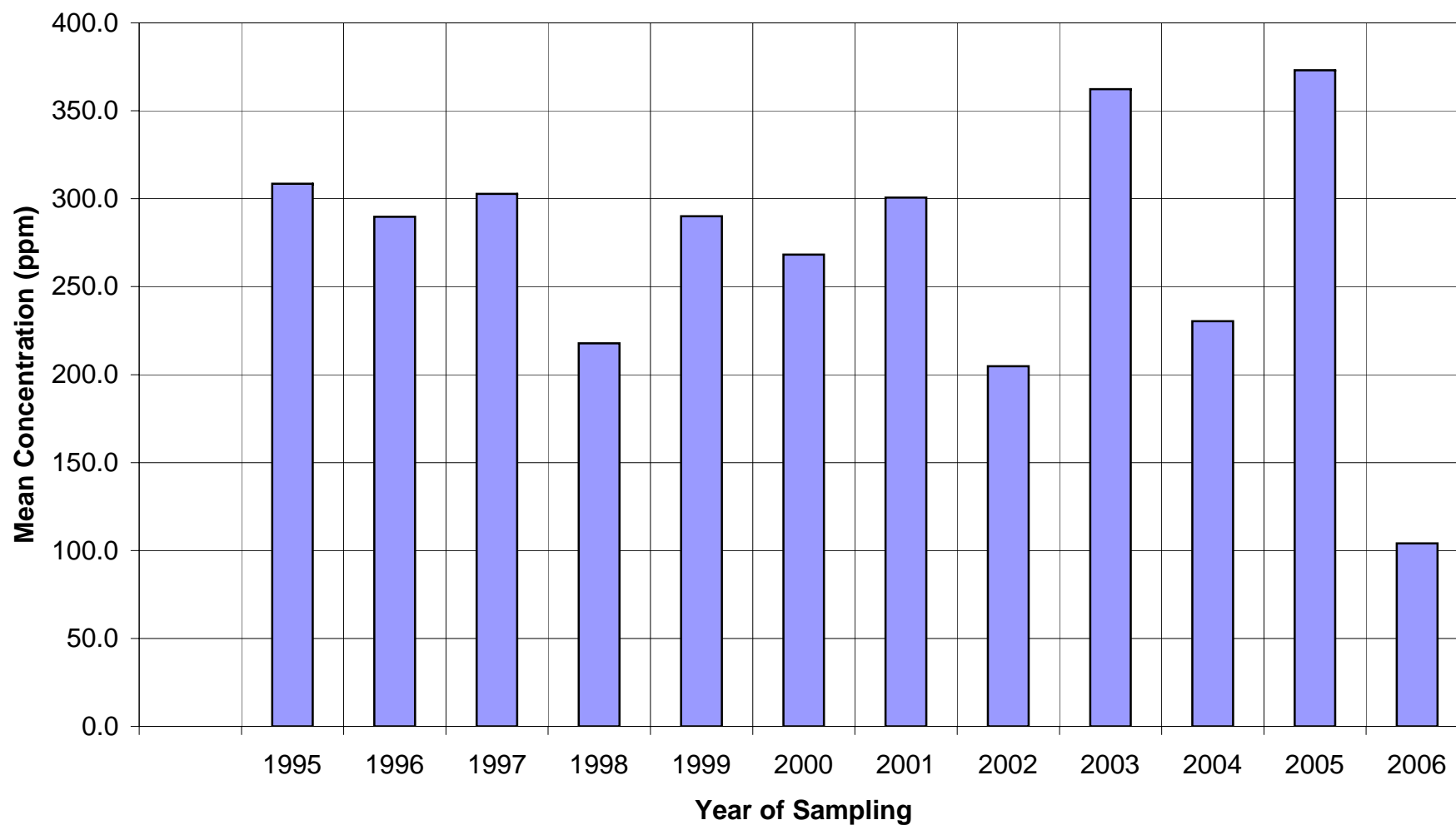


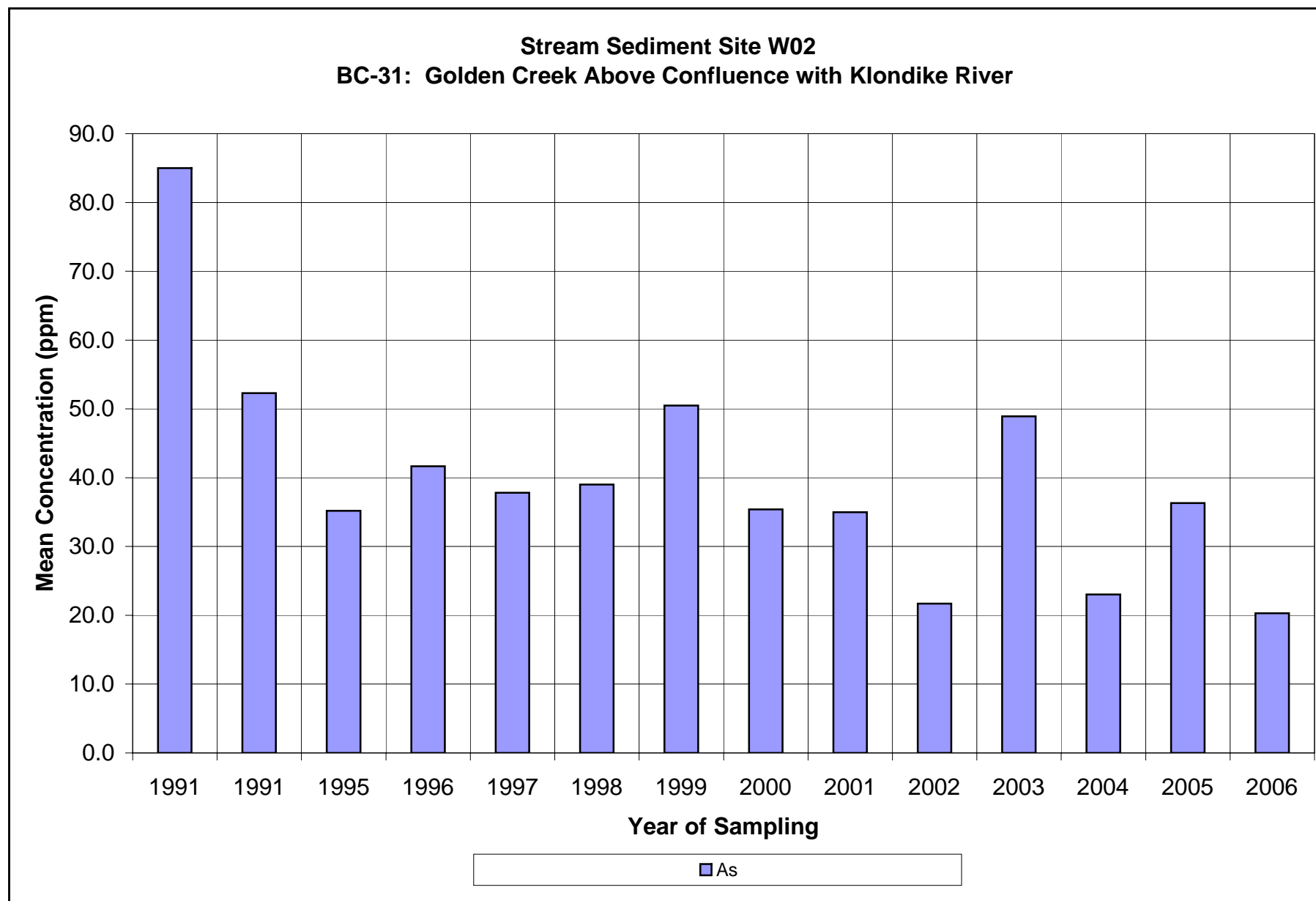


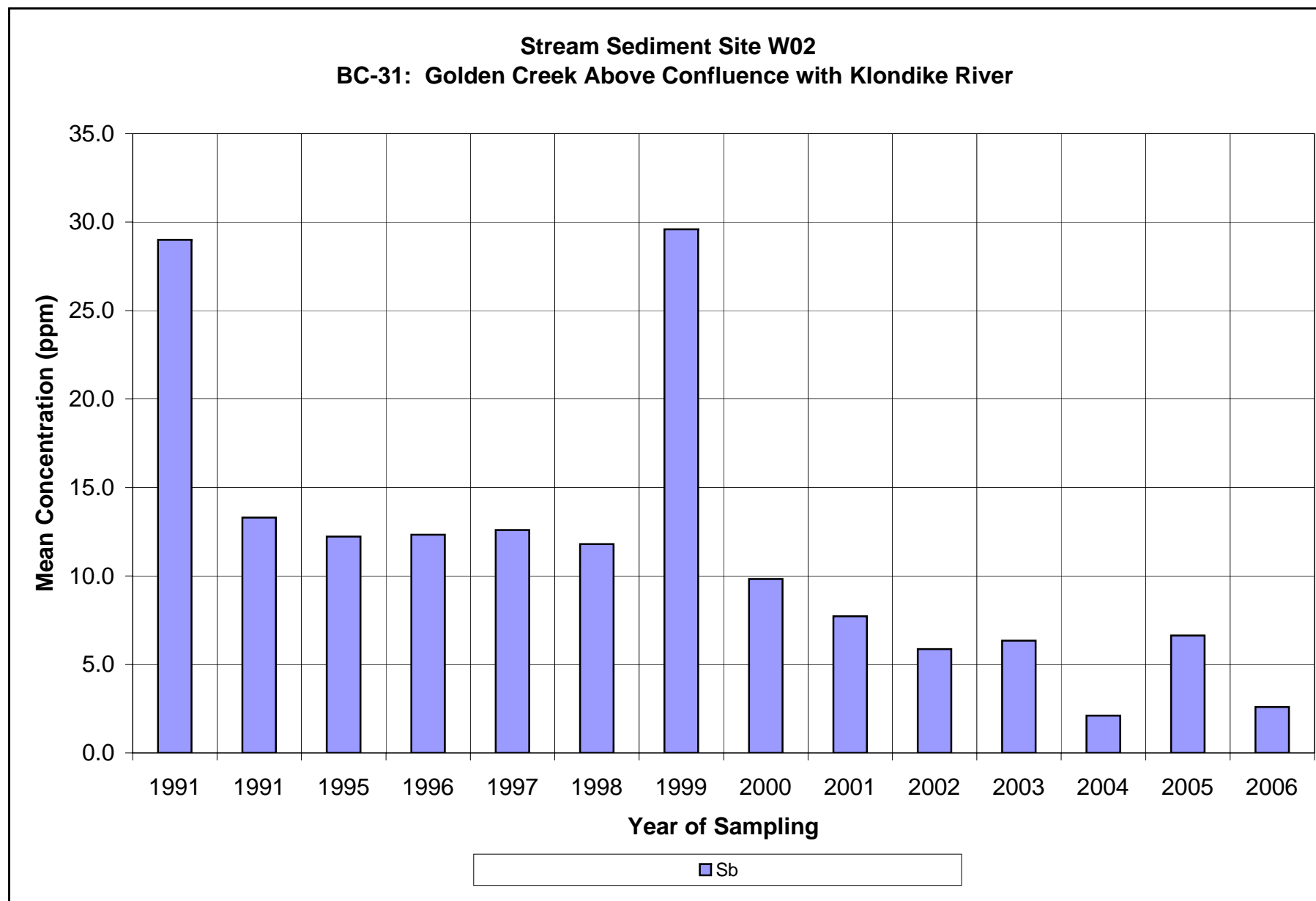
Stream Sediment Site W16 - Nickel (Ni)
BC-36: Golden Creek Above Confluence with Lucky Creek

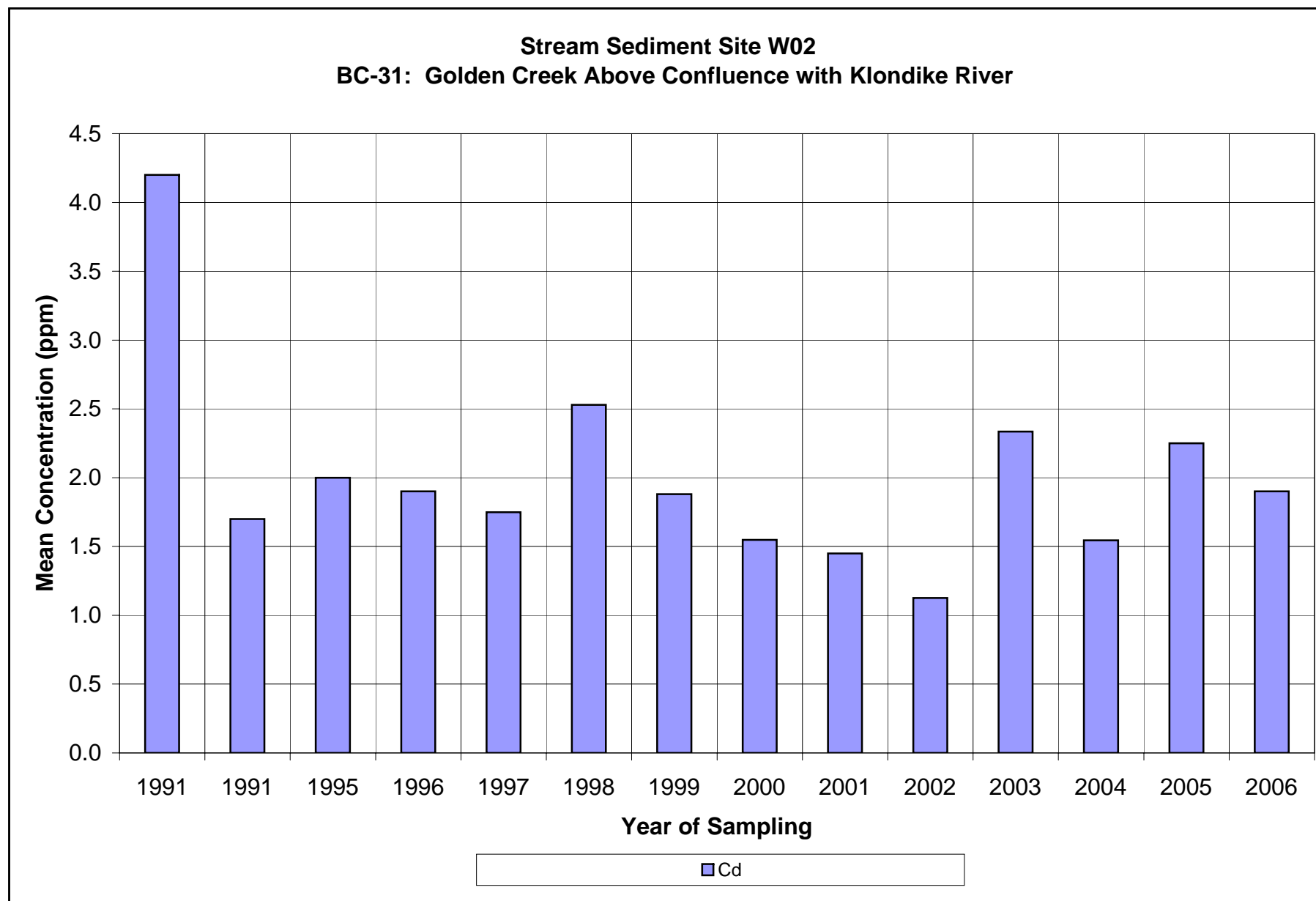


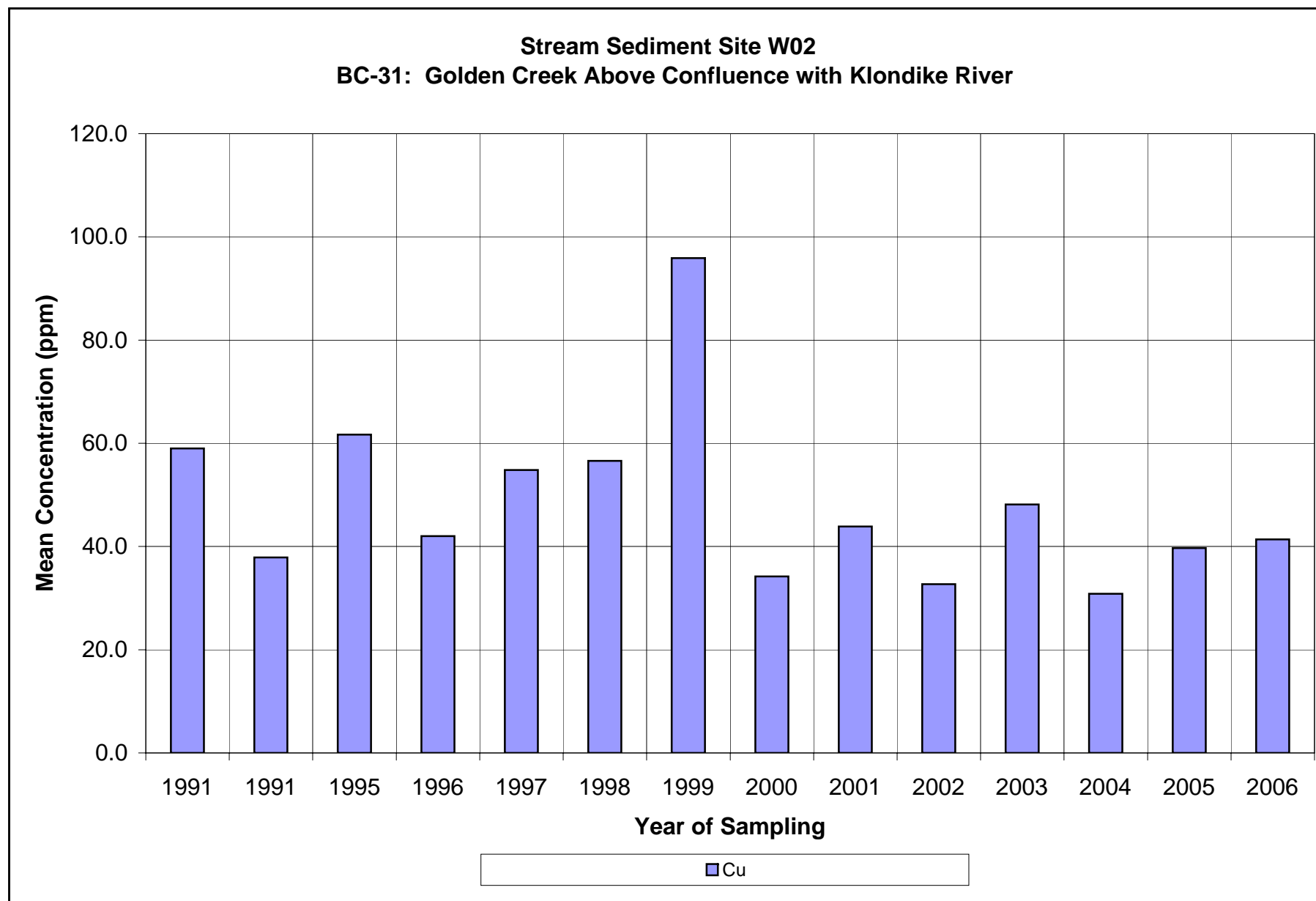
Stream Sediment Site W16 - Zinc (Zn)
BC-36: Golden Creek Above Confluence with Lucky Creek

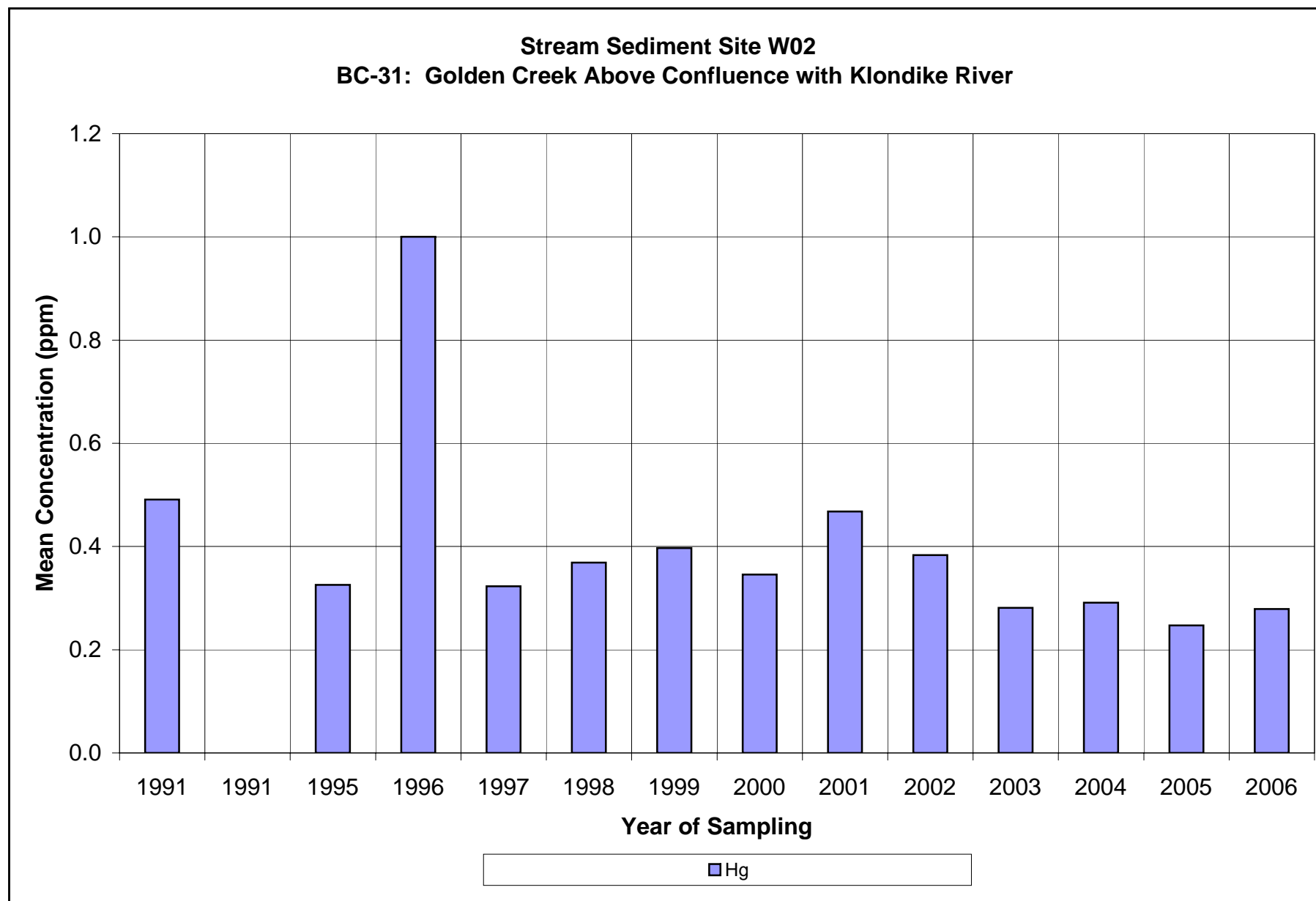


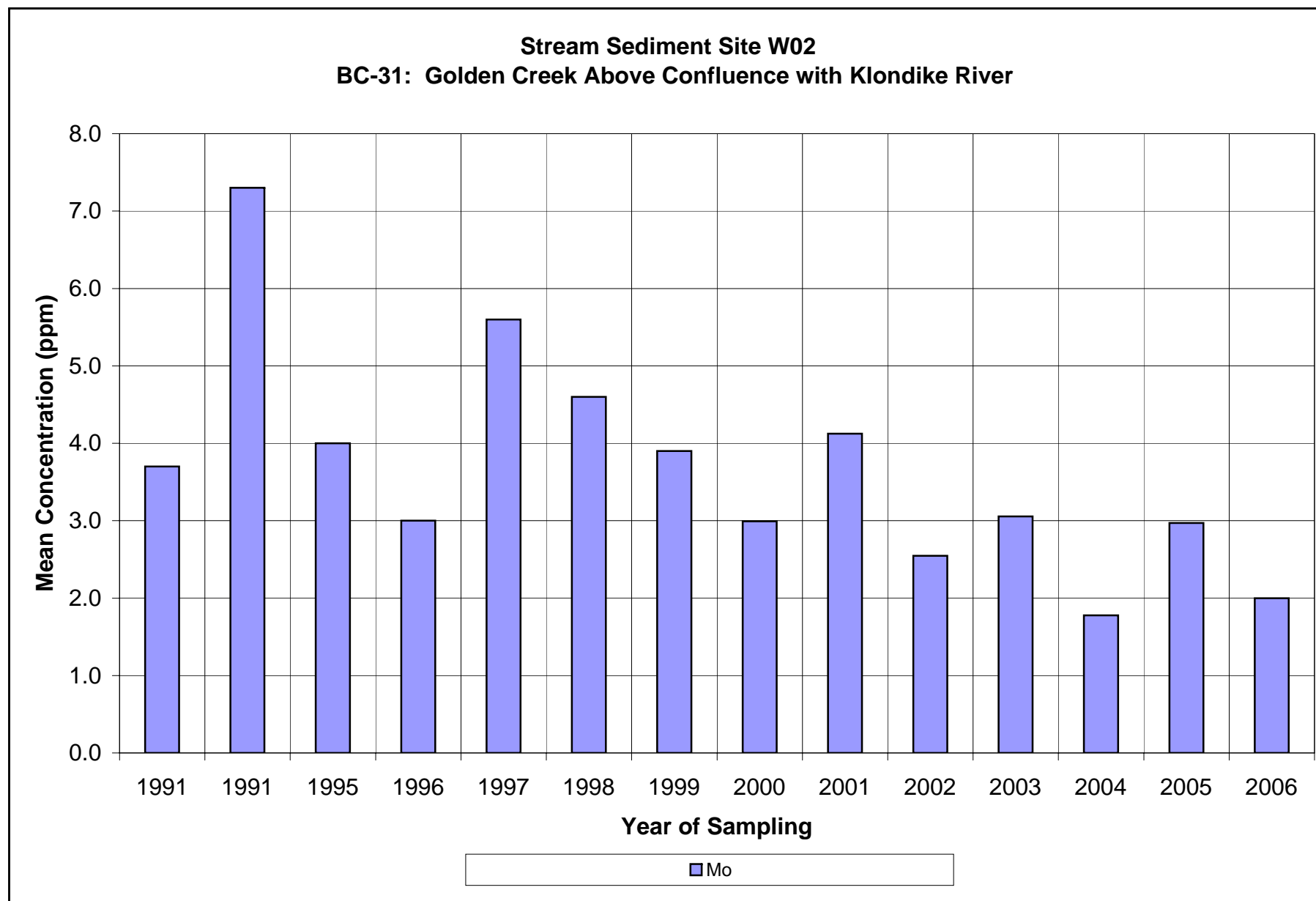


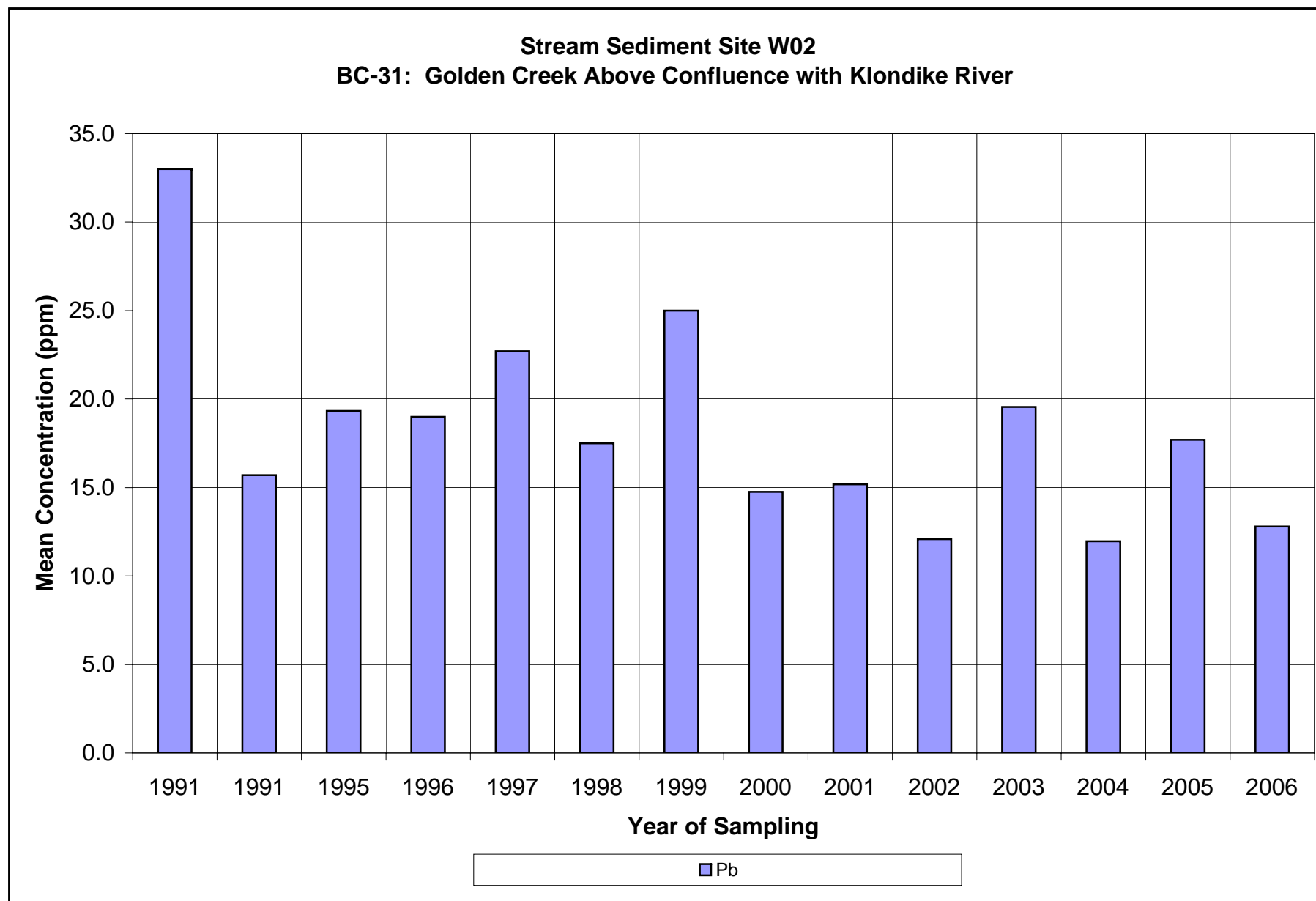


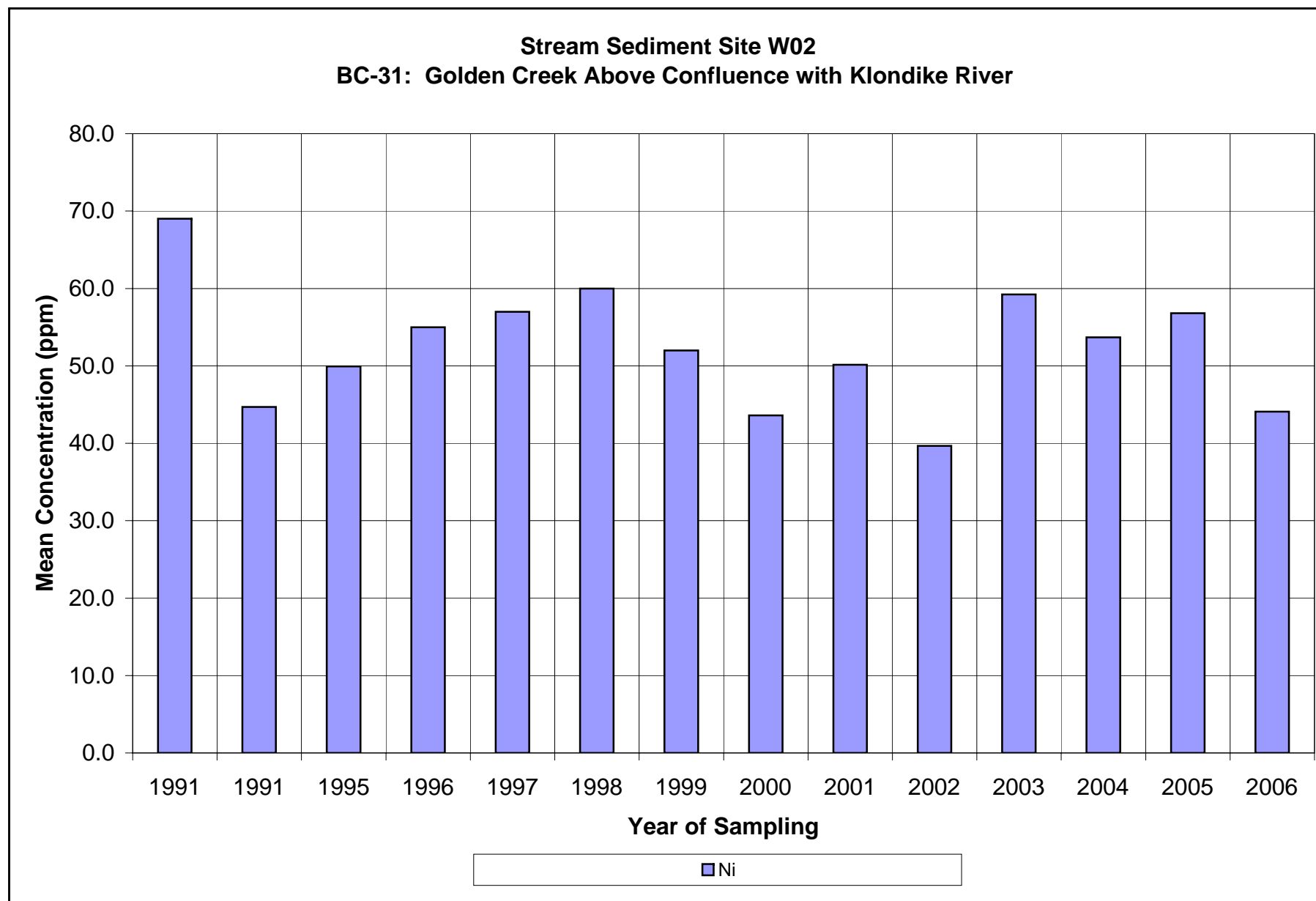


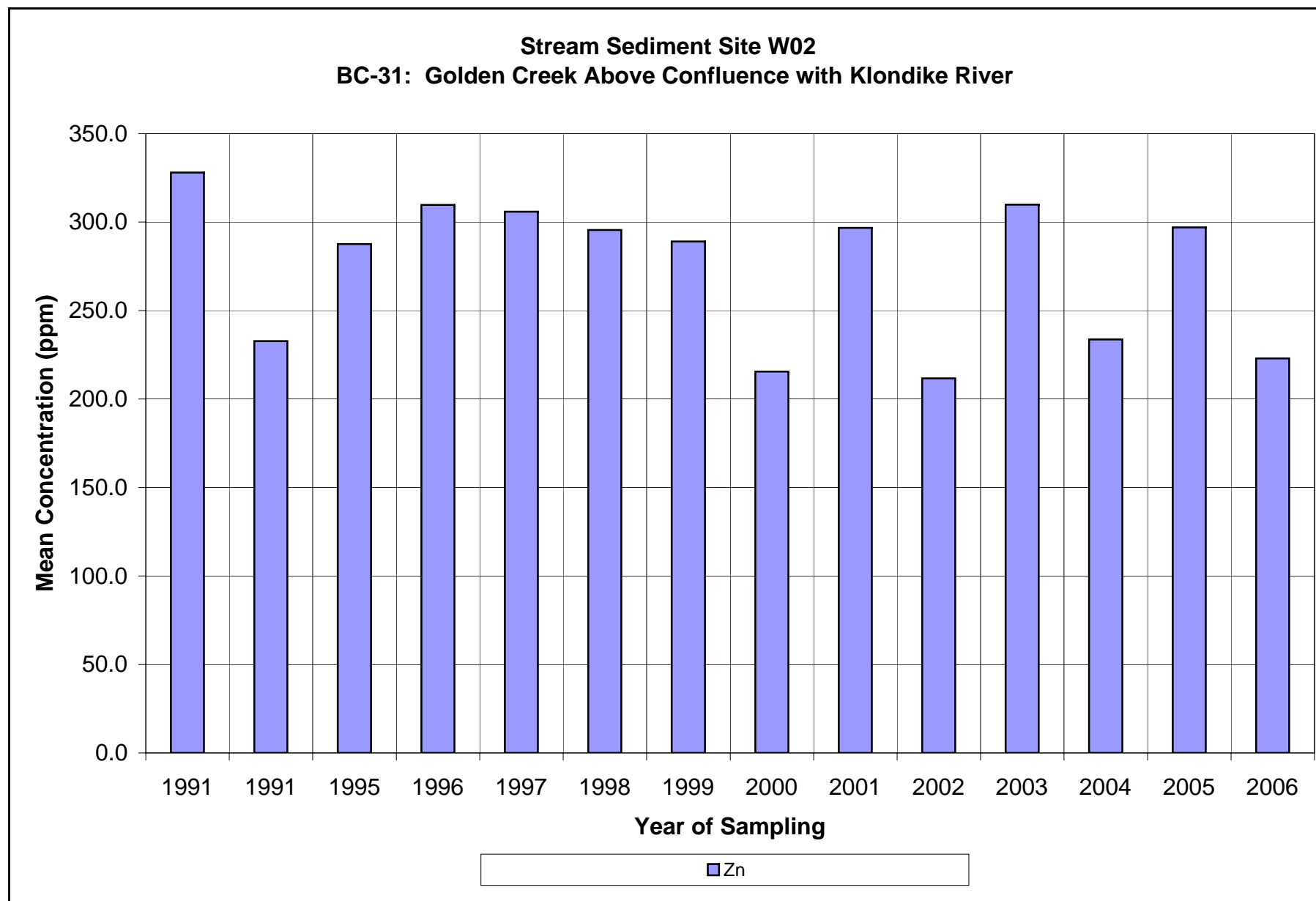


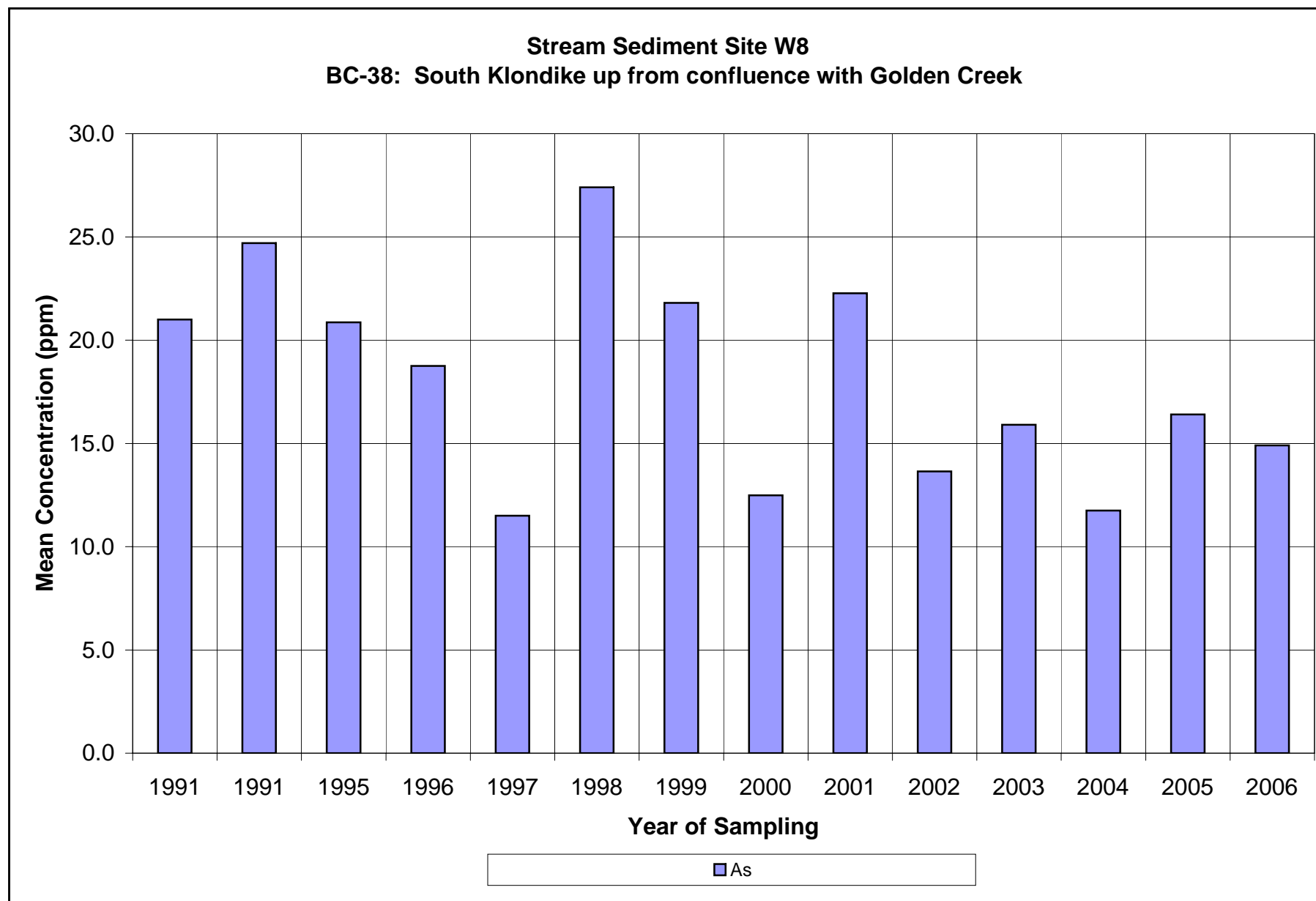


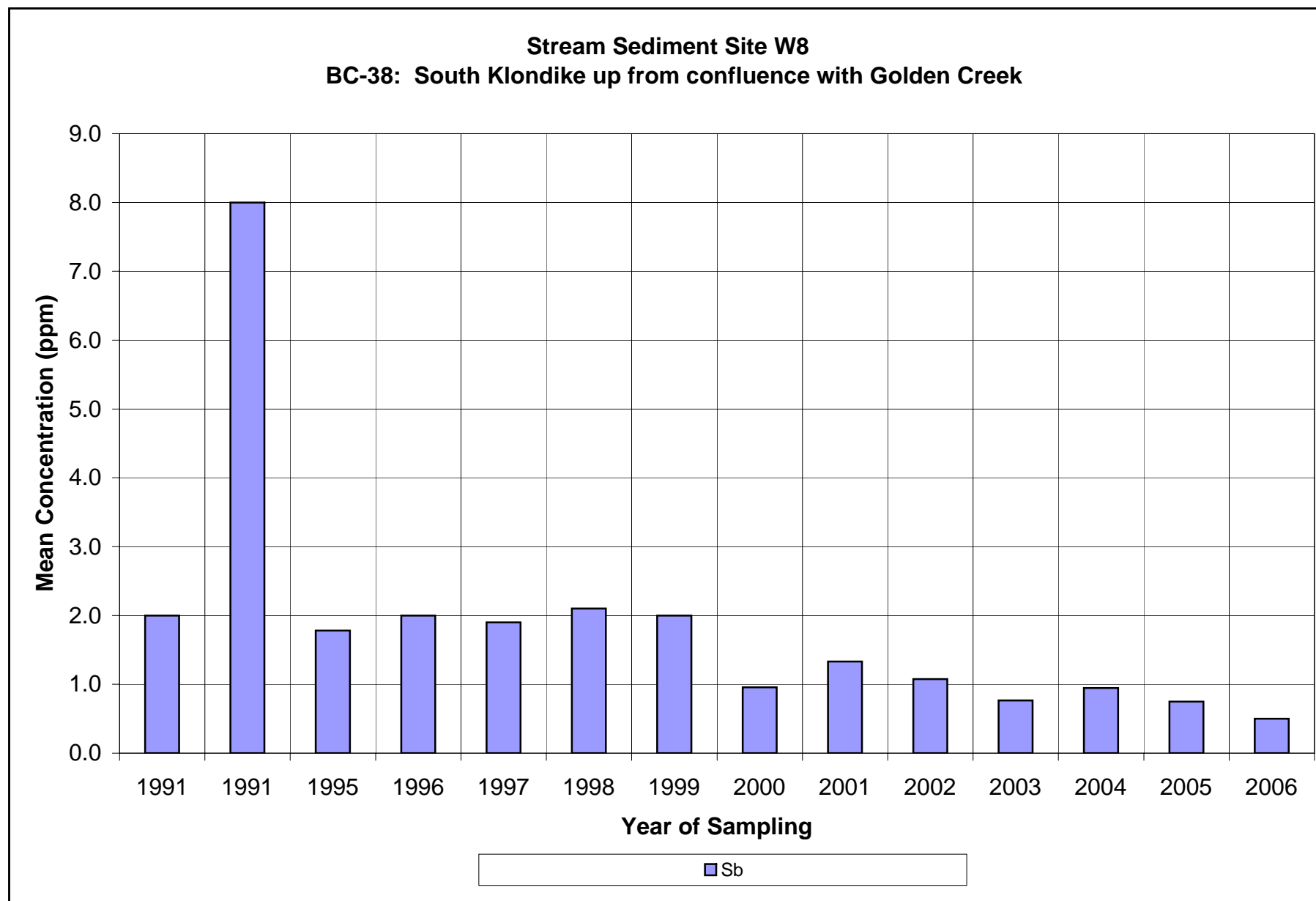


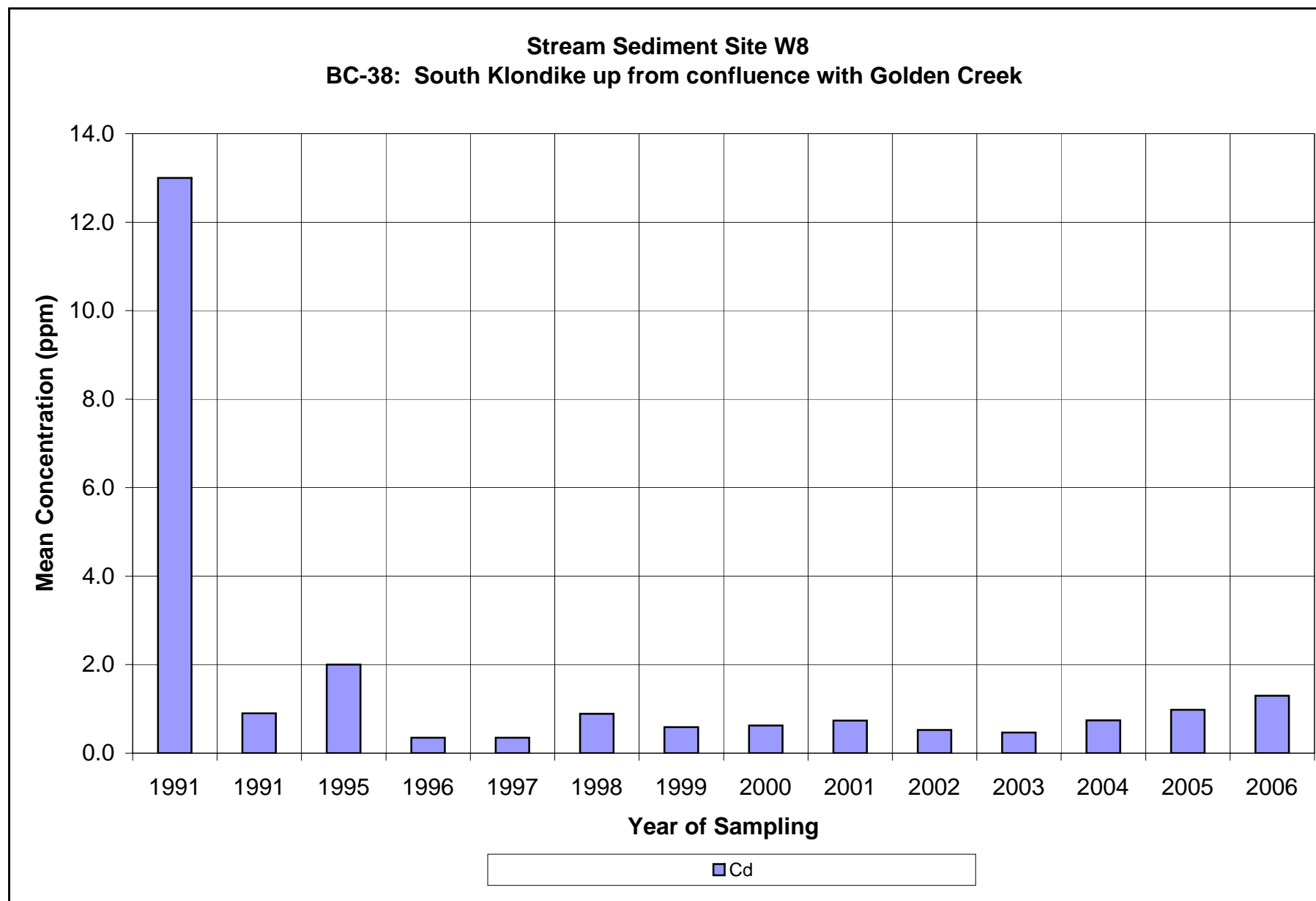


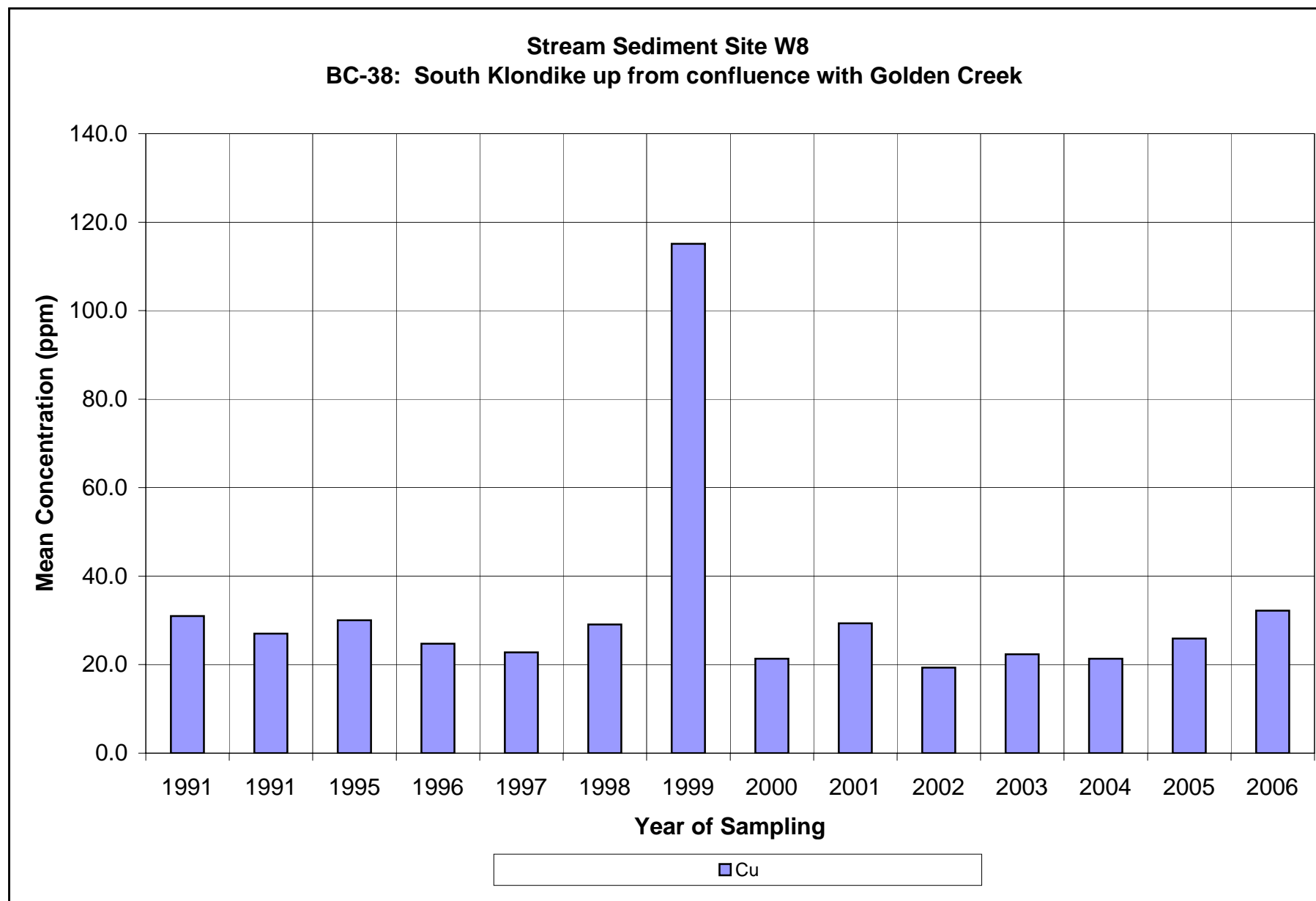




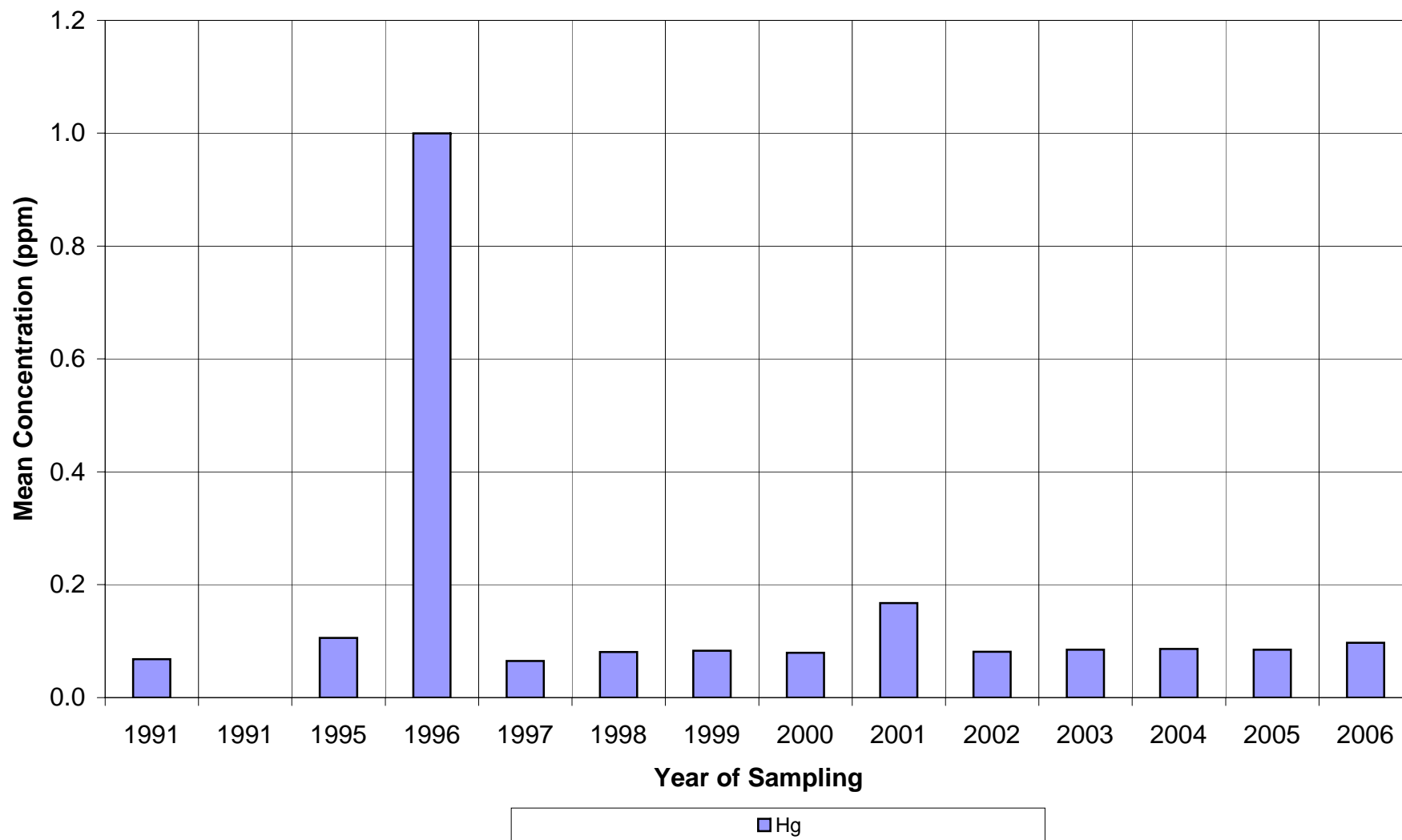


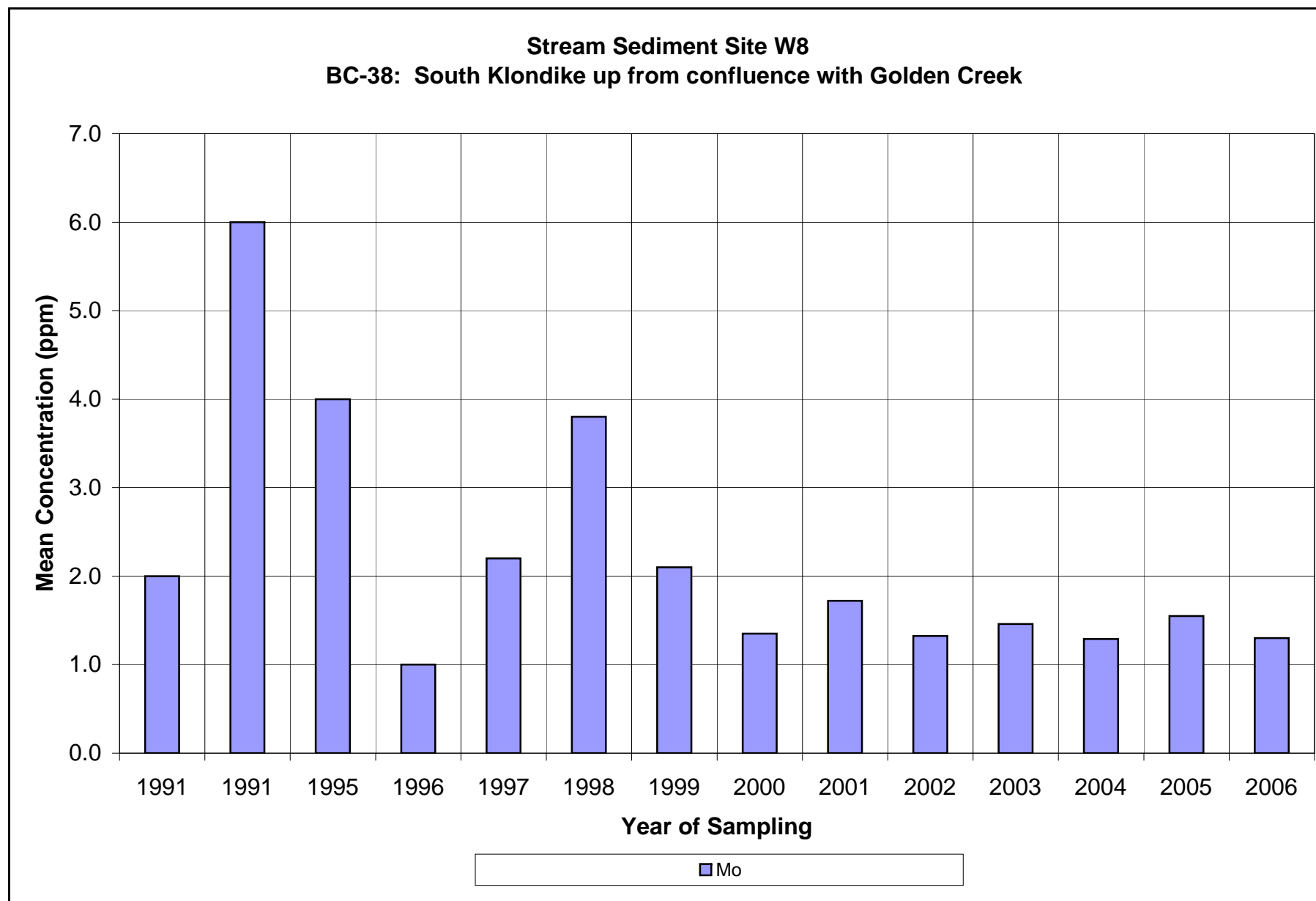




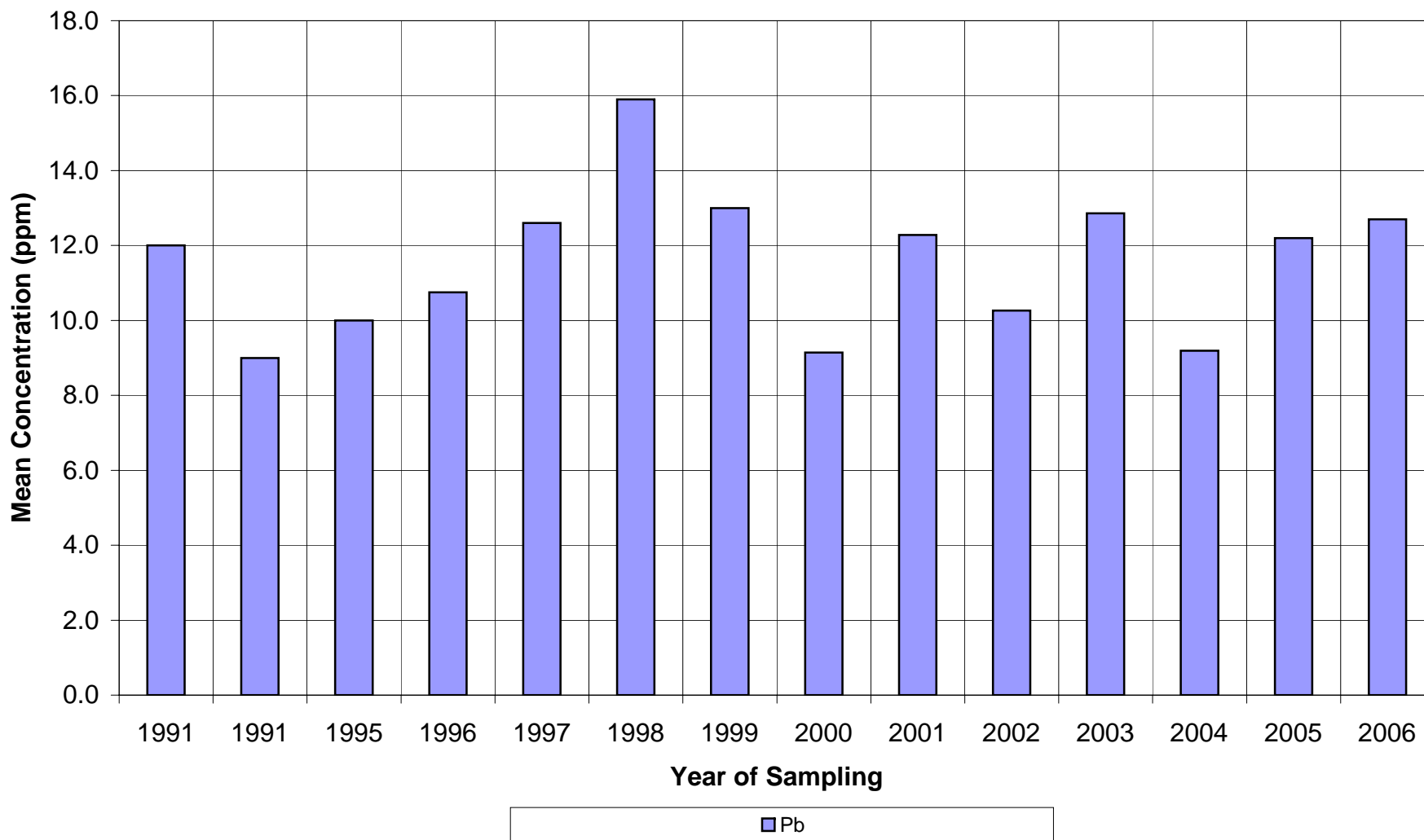


Stream Sediment Site W8
BC-38: South Klondike up from confluence with Golden Creek

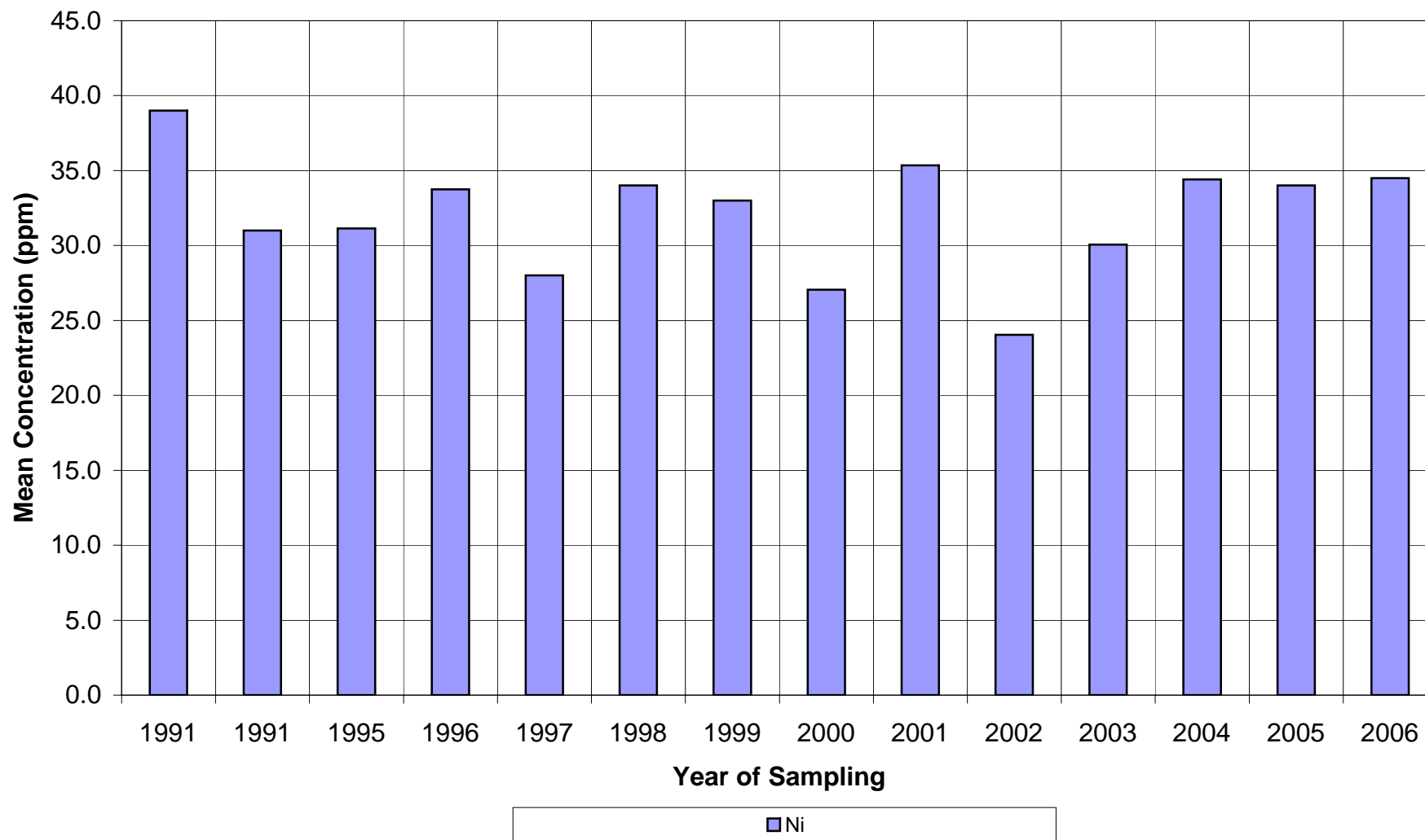


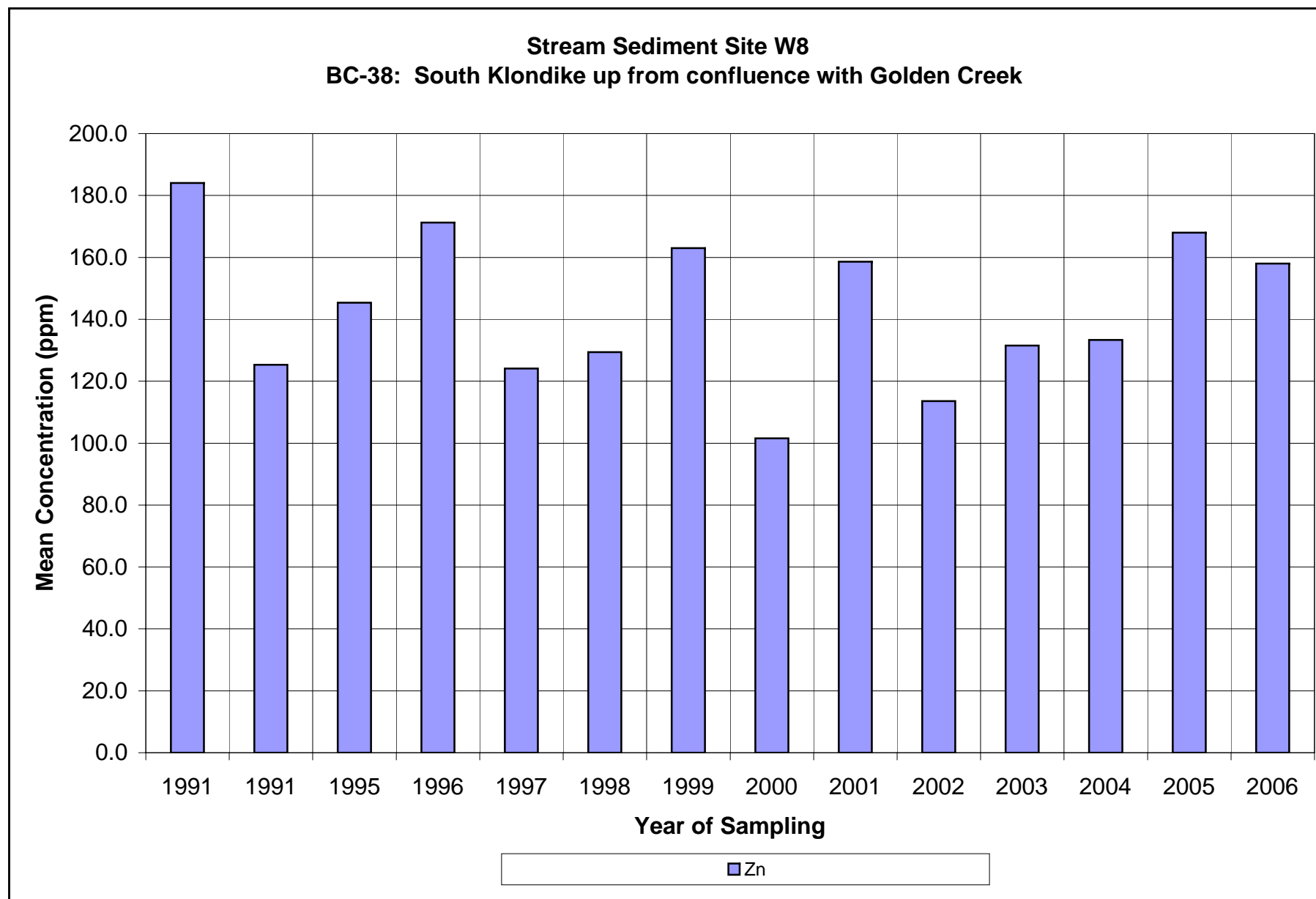


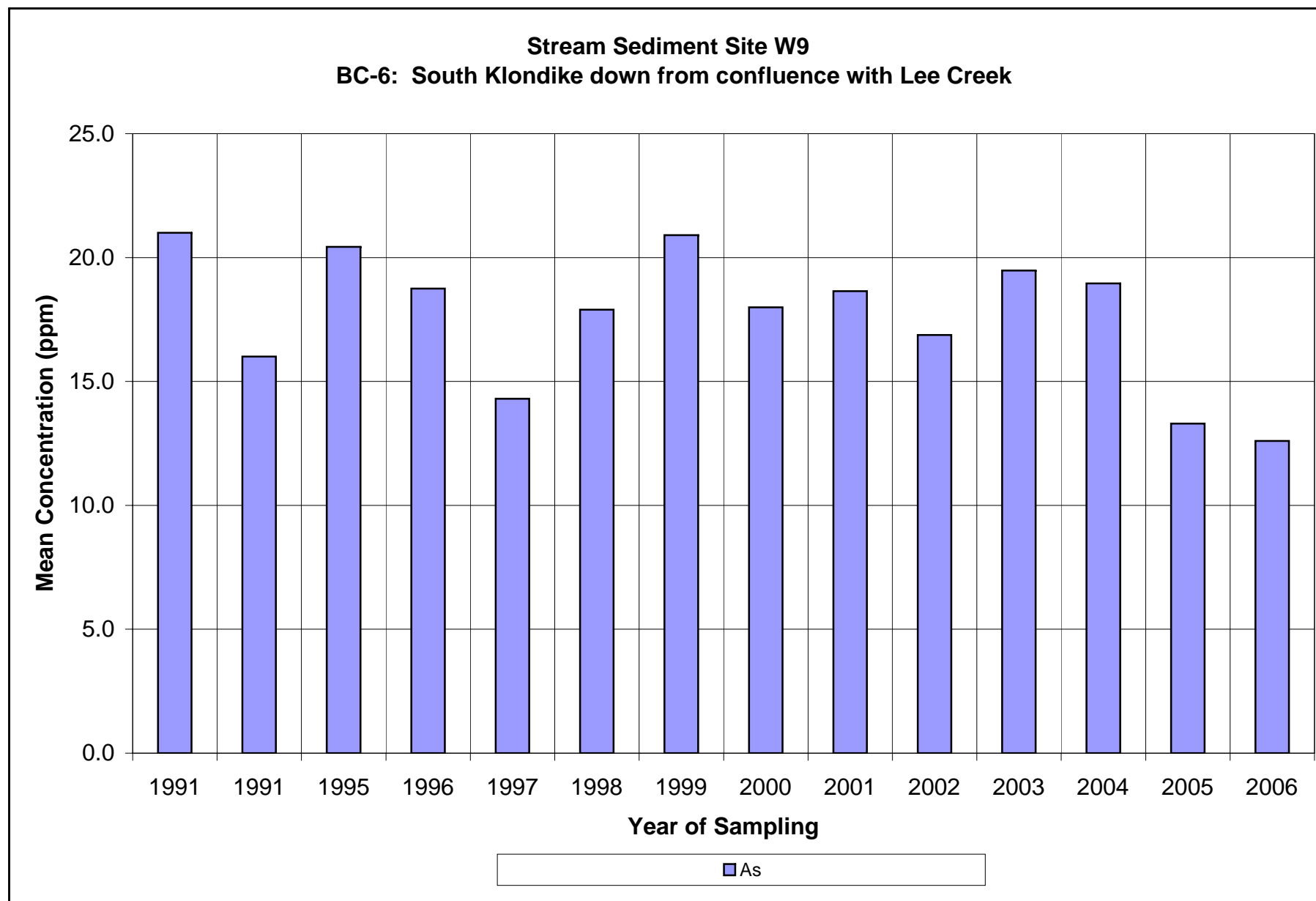
**Stream Sediment Site W8
BC-38: South Klondike up from confluence with Golden Creek**

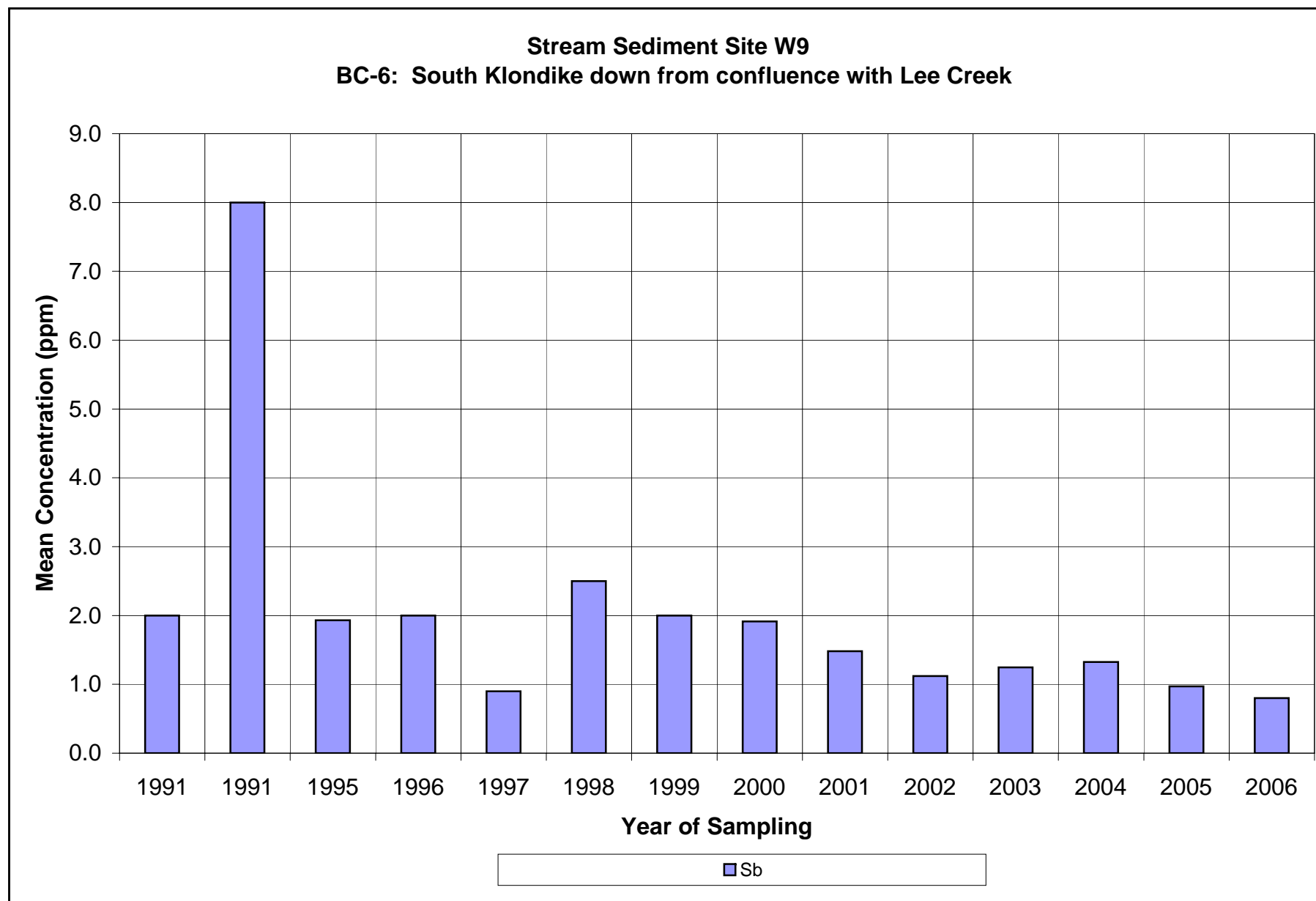


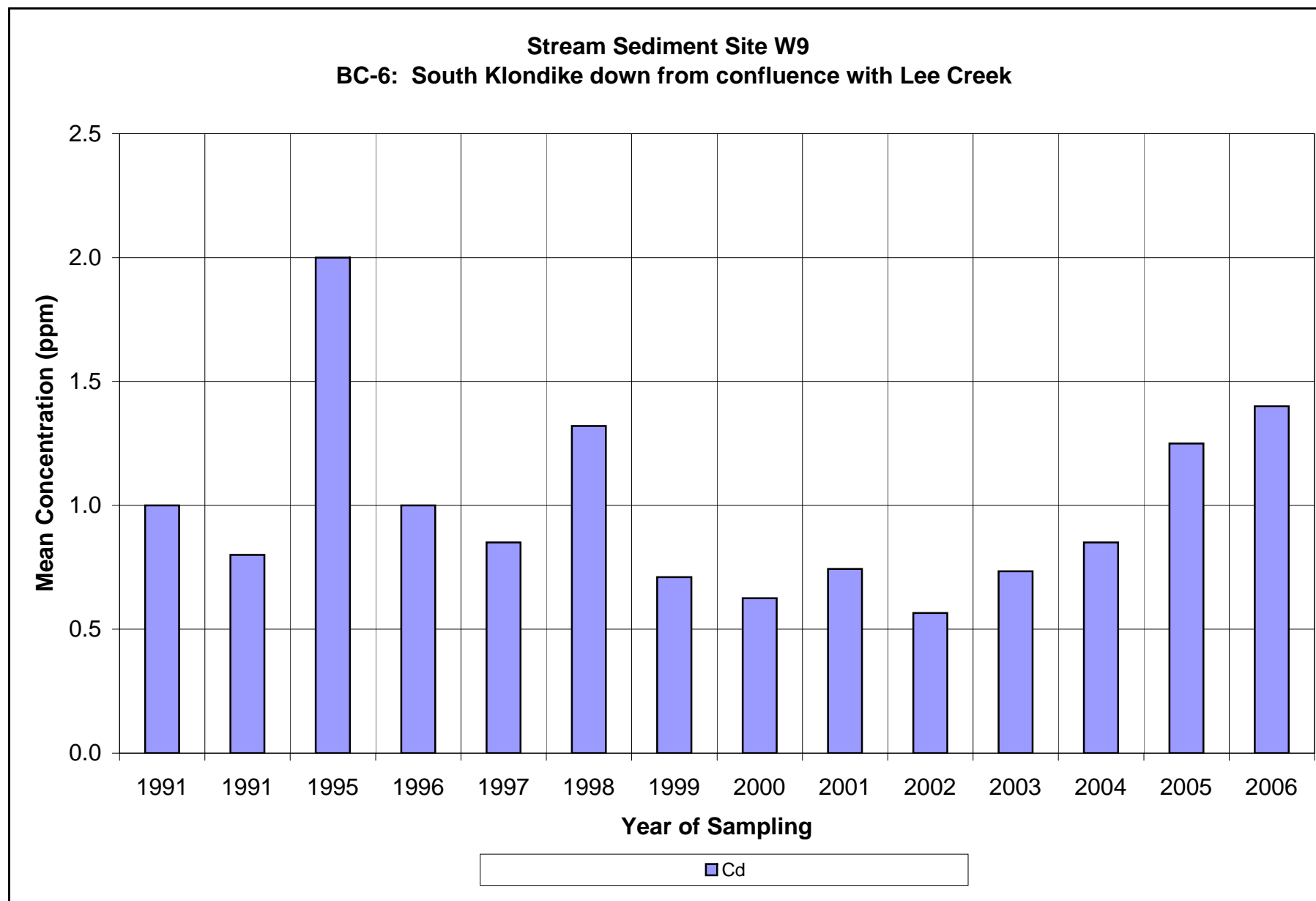
Stream Sediment Site W8
BC-38: South Klondike up from confluence with Golden Creek

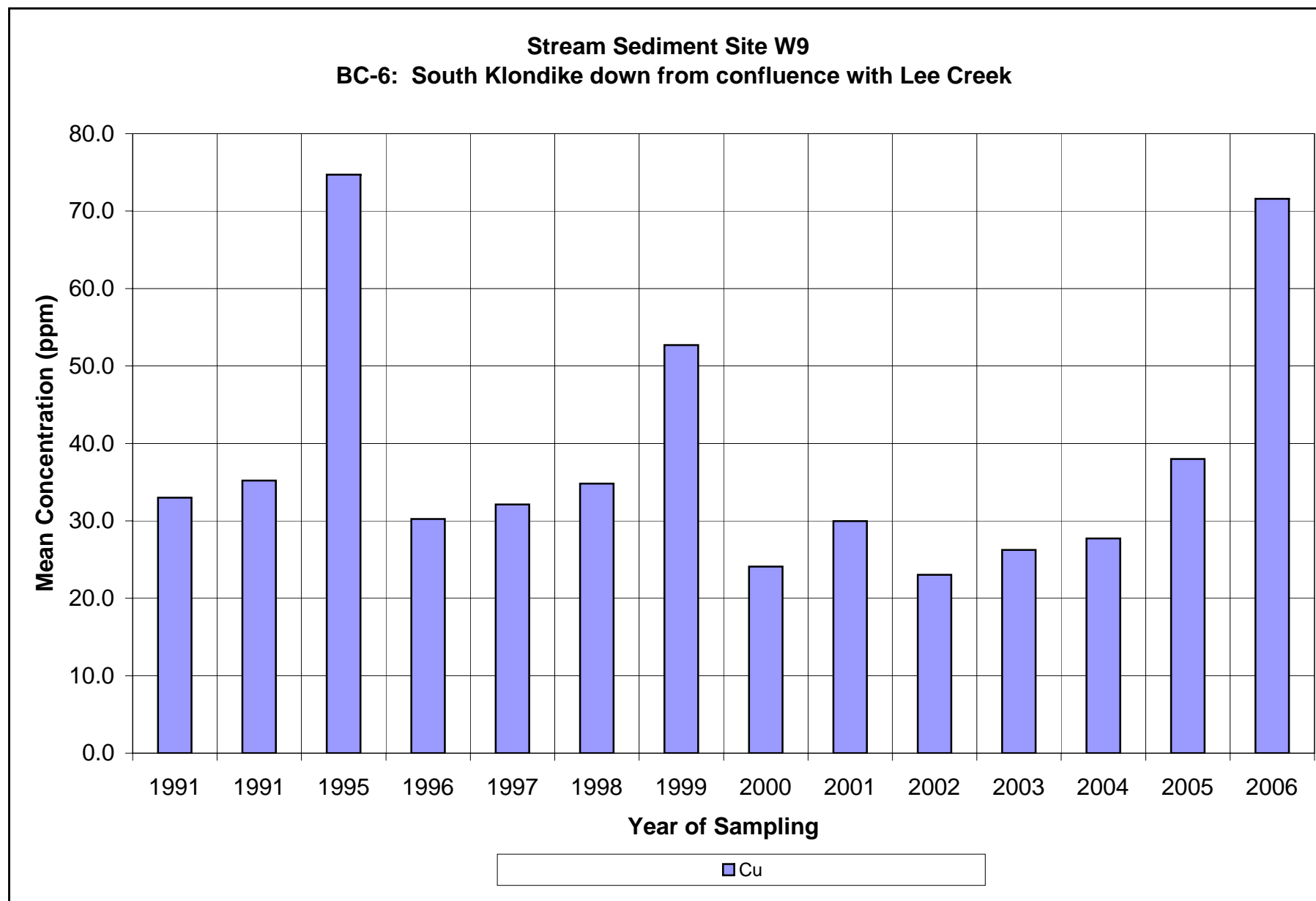


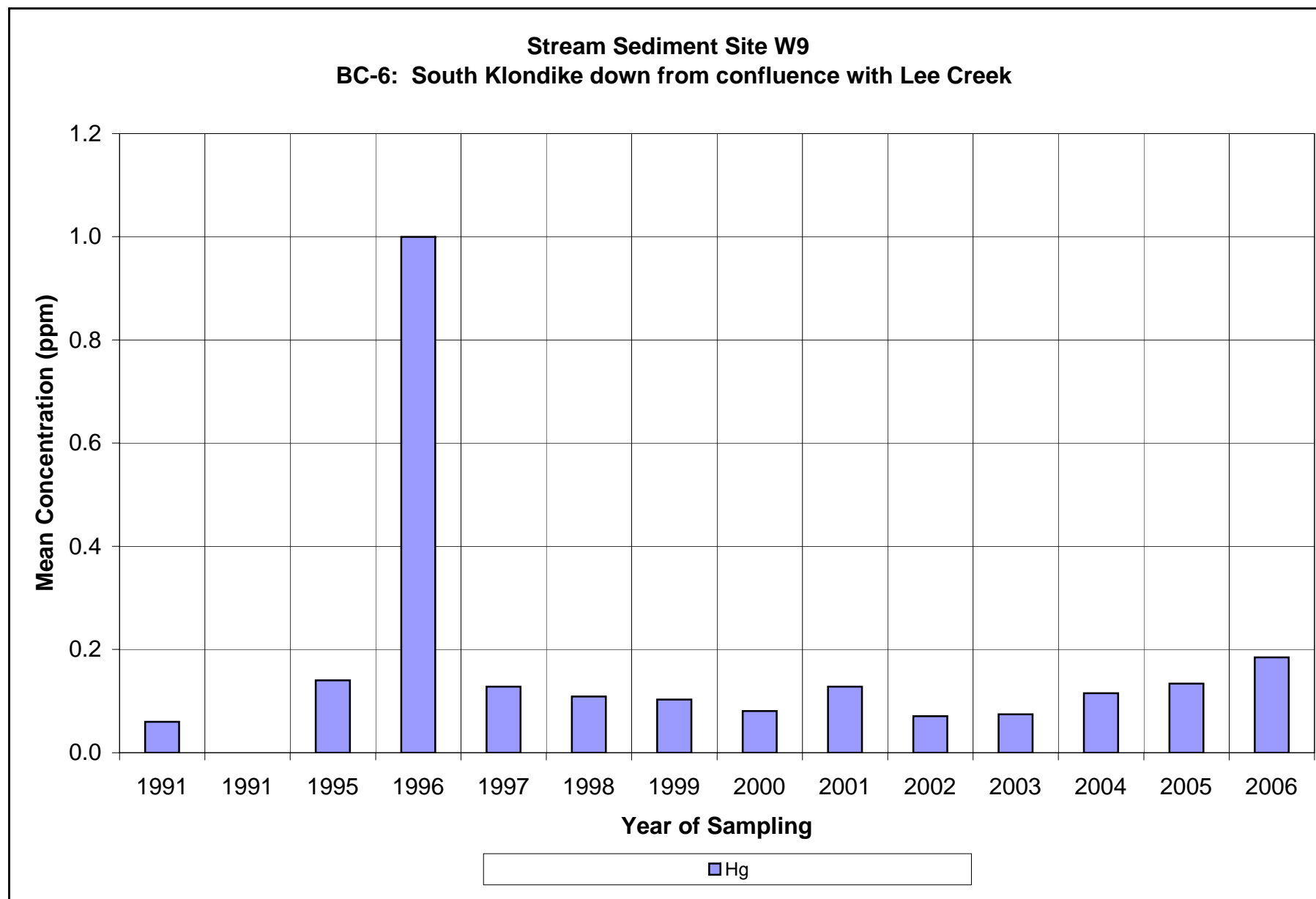


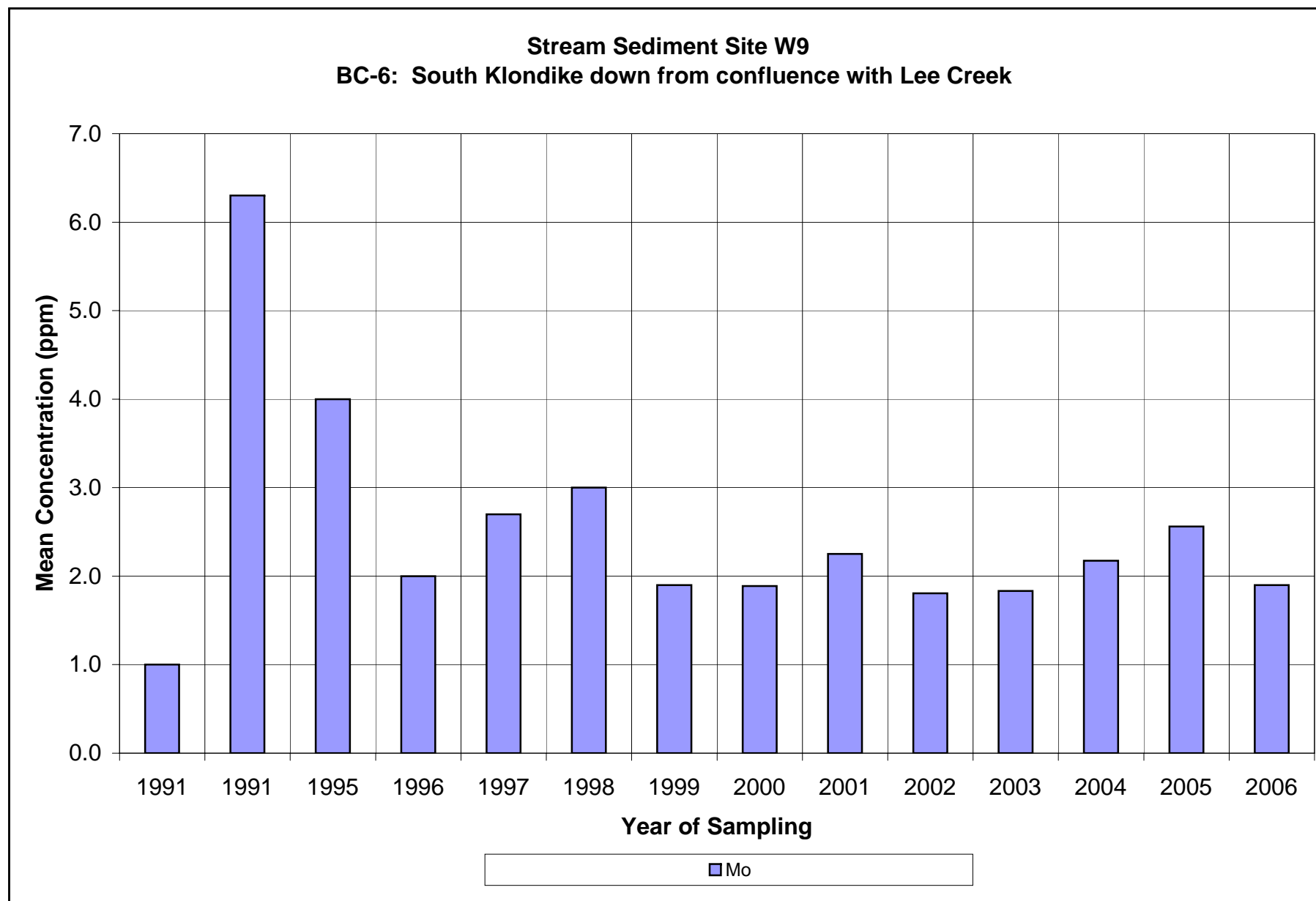




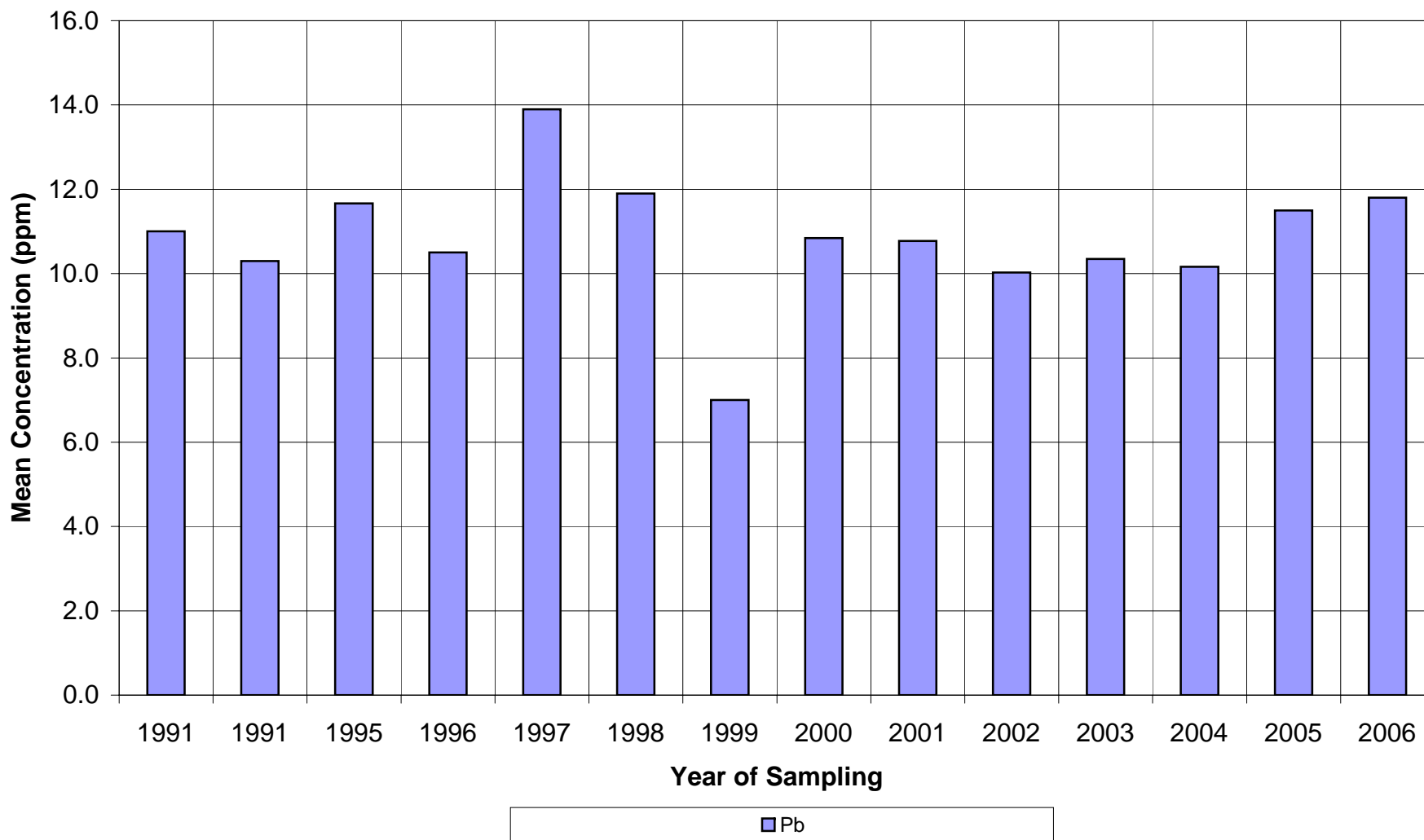




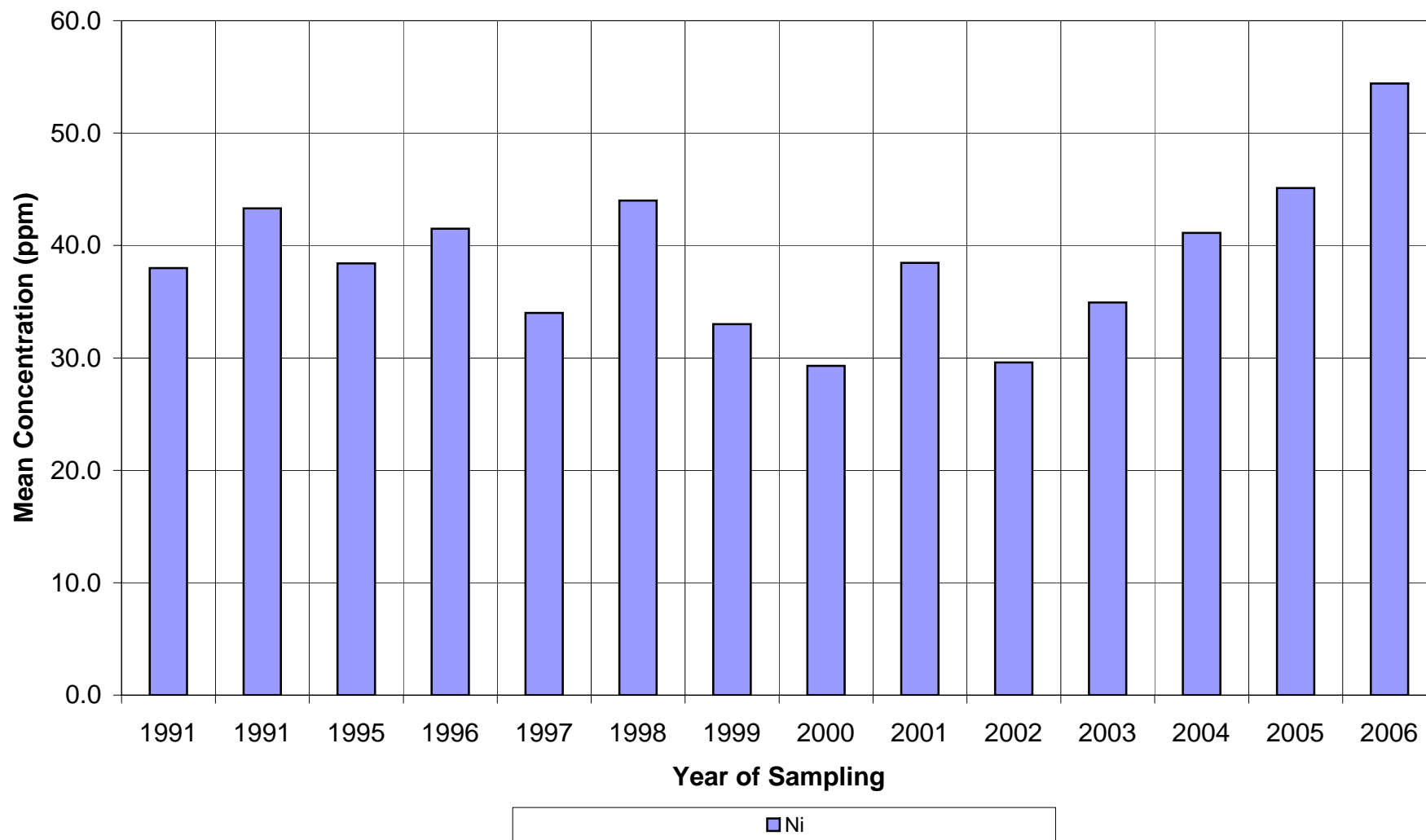


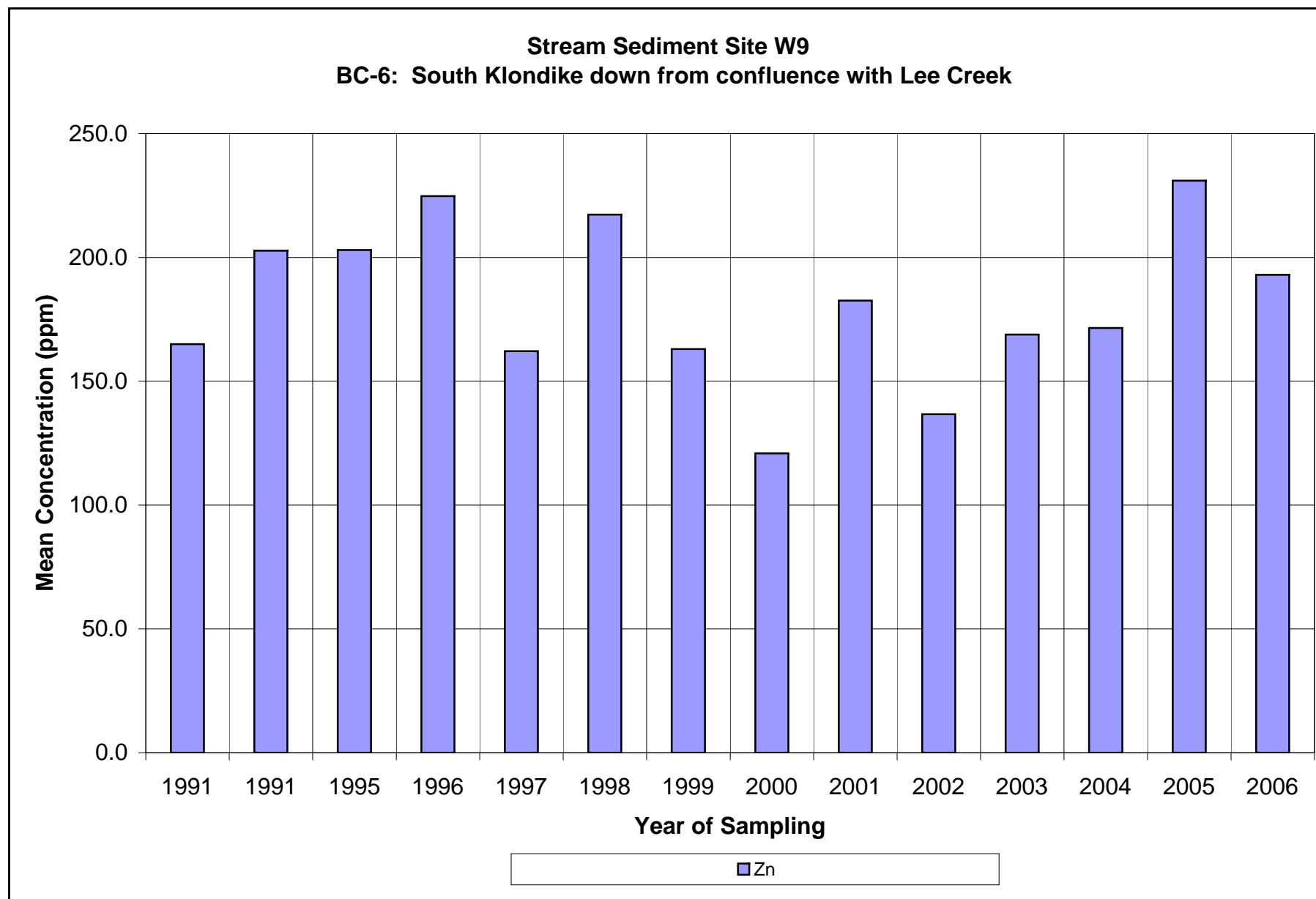


Stream Sediment Site W9
BC-6: South Klondike down from confluence with Lee Creek

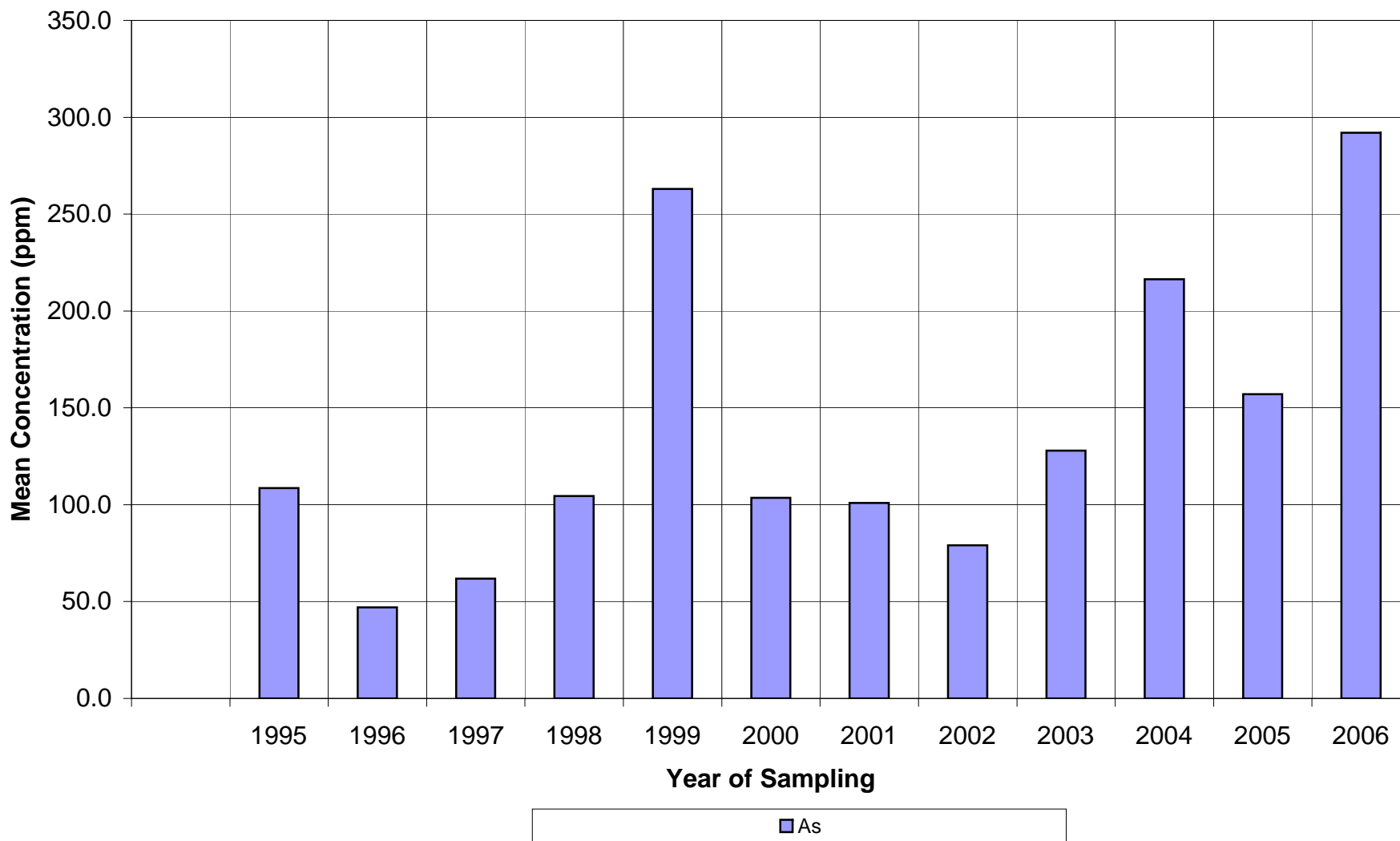


Stream Sediment Site W9
BC-6: South Klondike down from confluence with Lee Creek

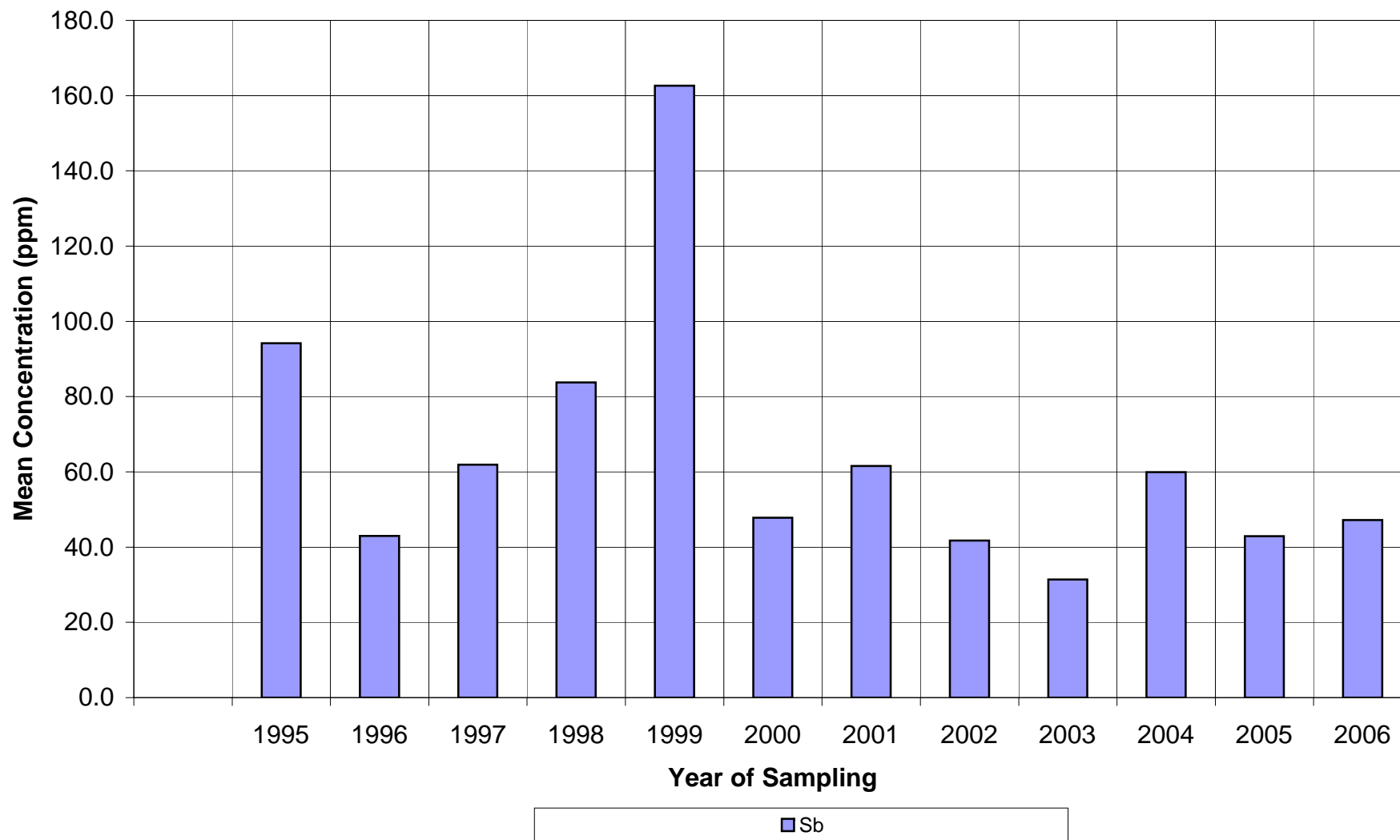


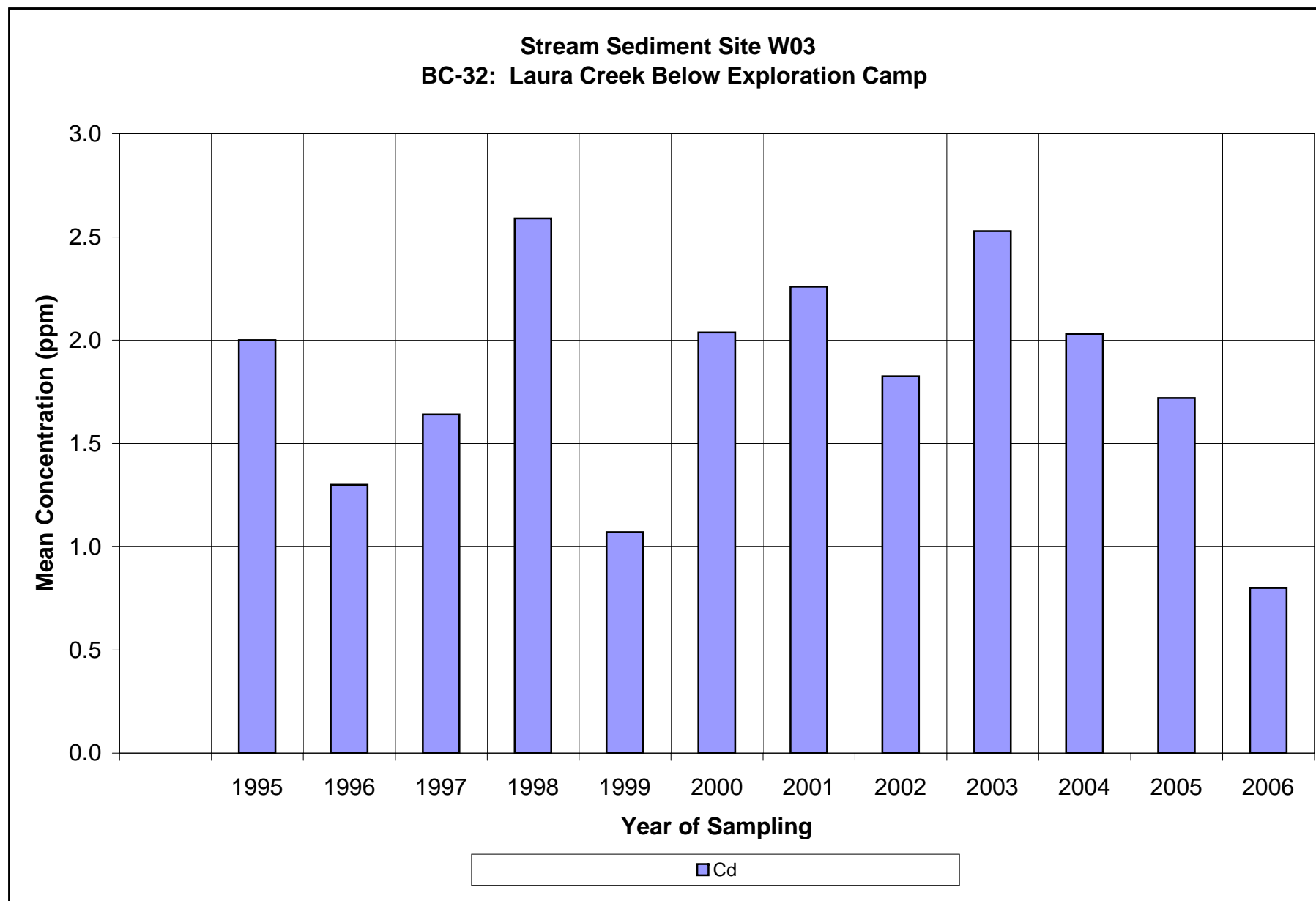


Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp

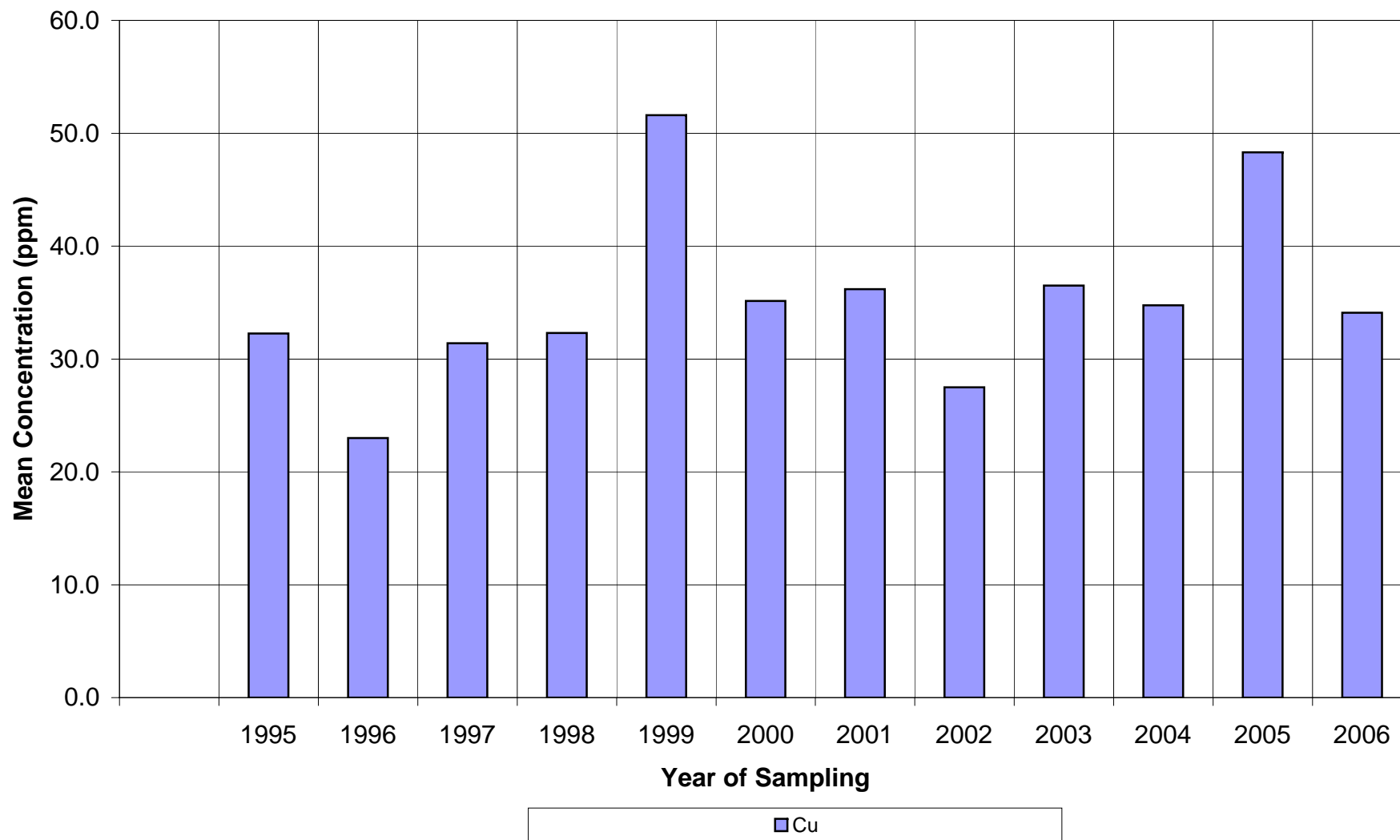


Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp

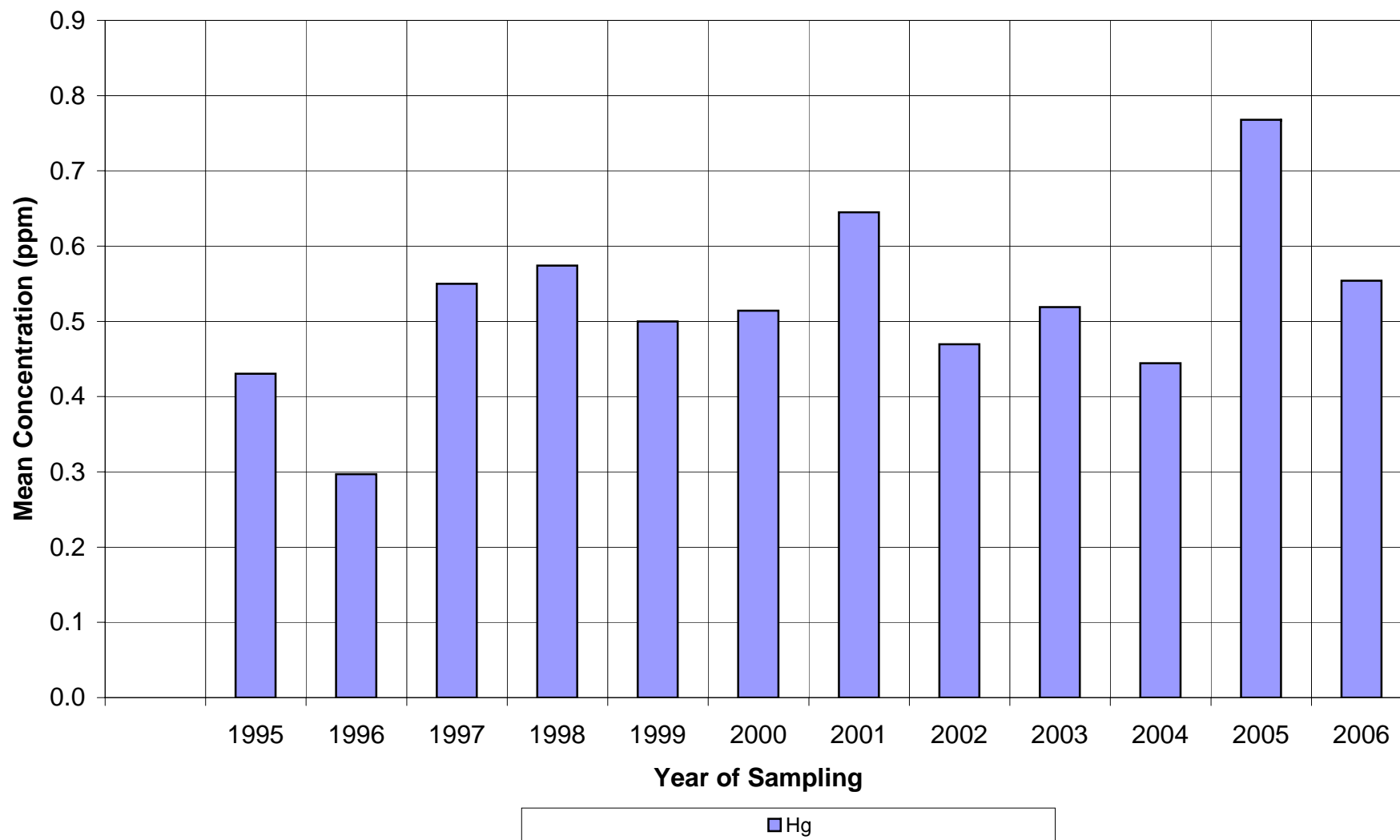




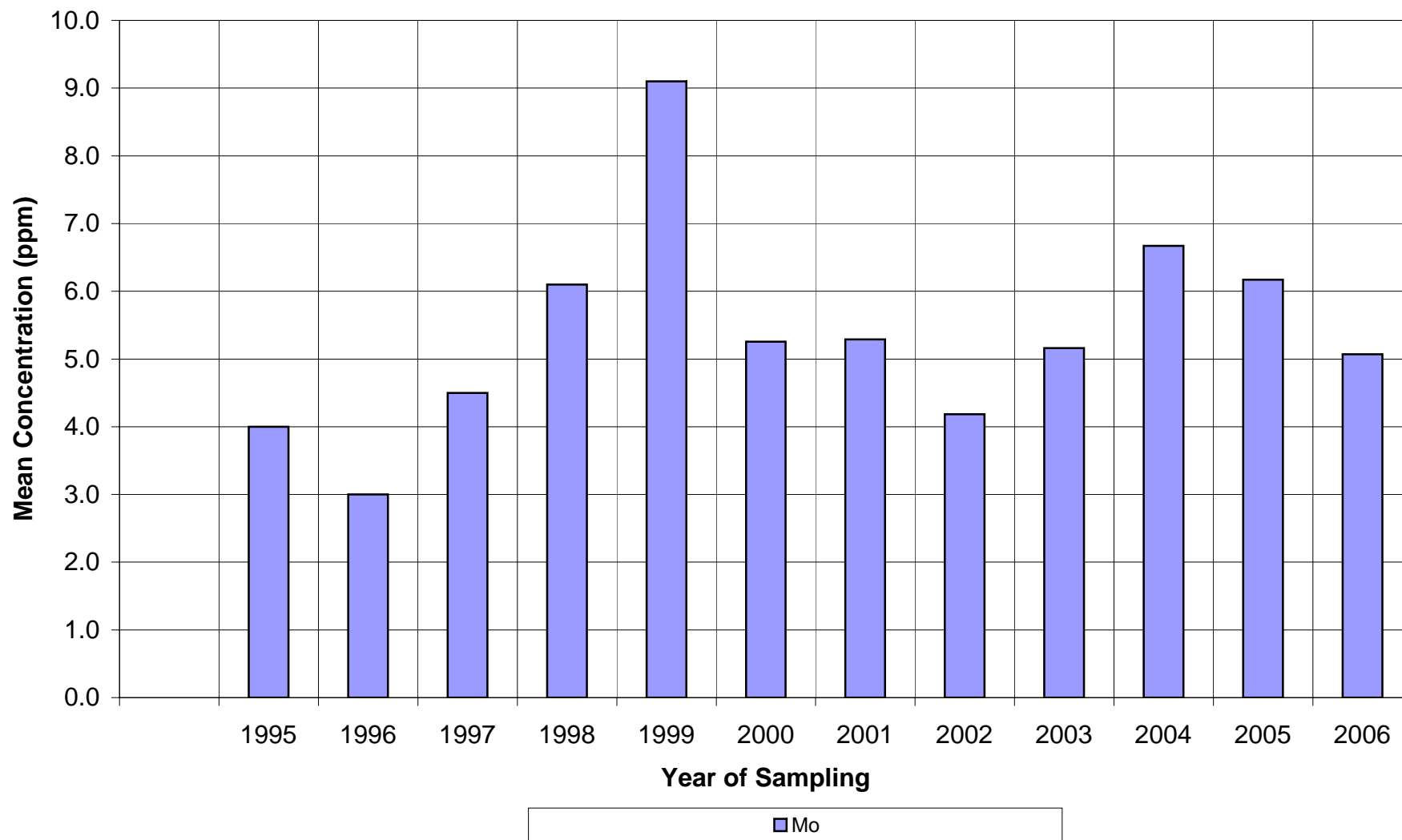
Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp



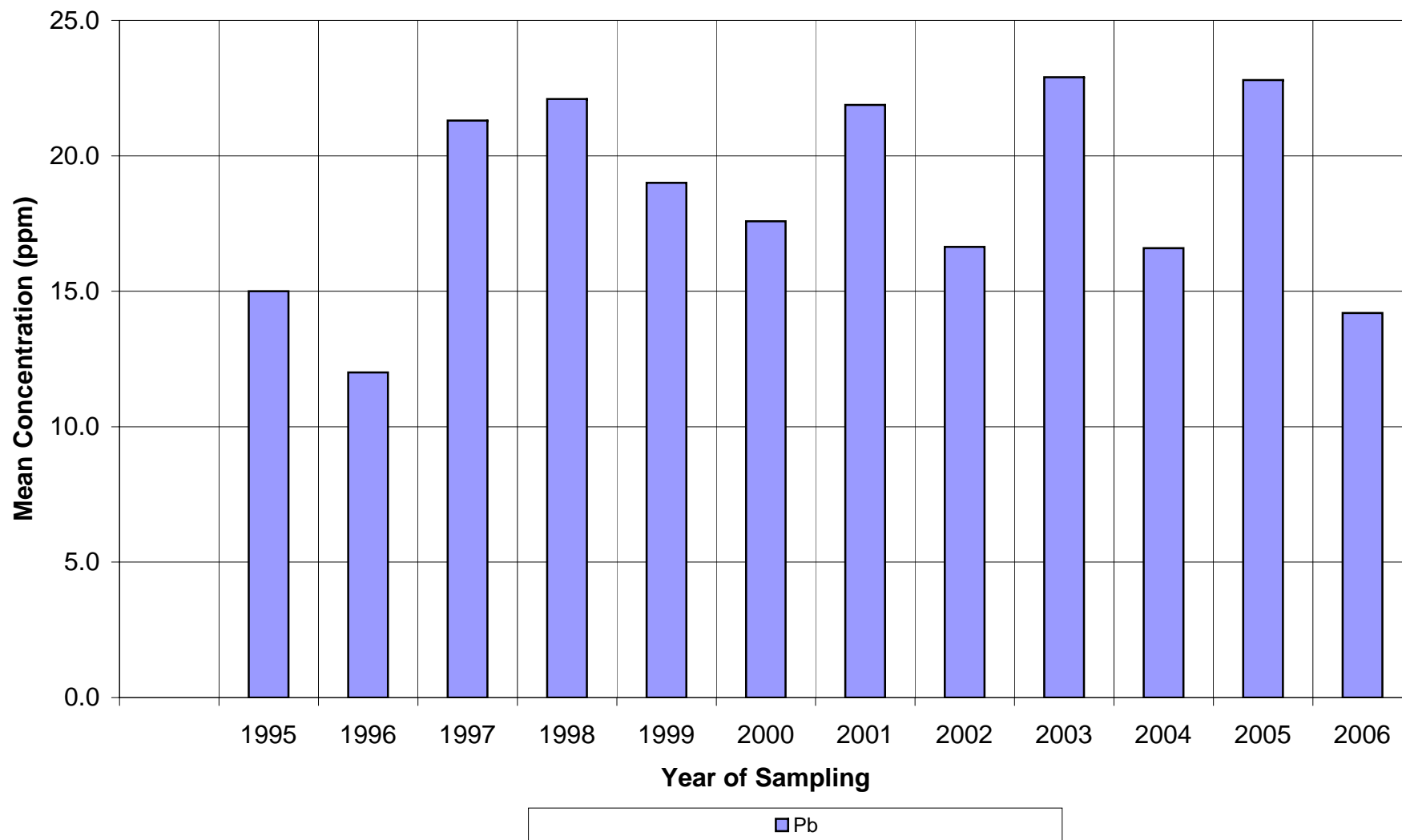
**Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp**



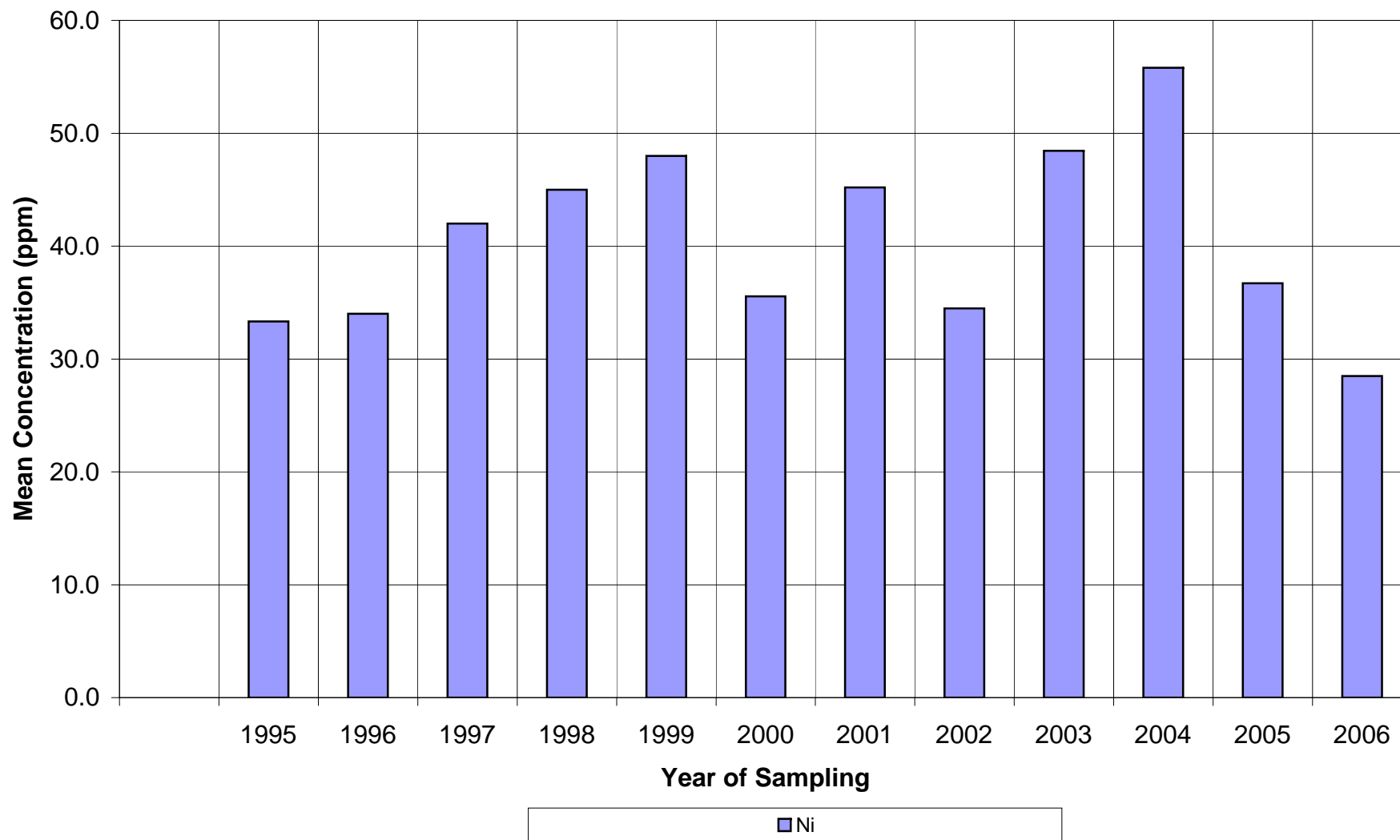
Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp

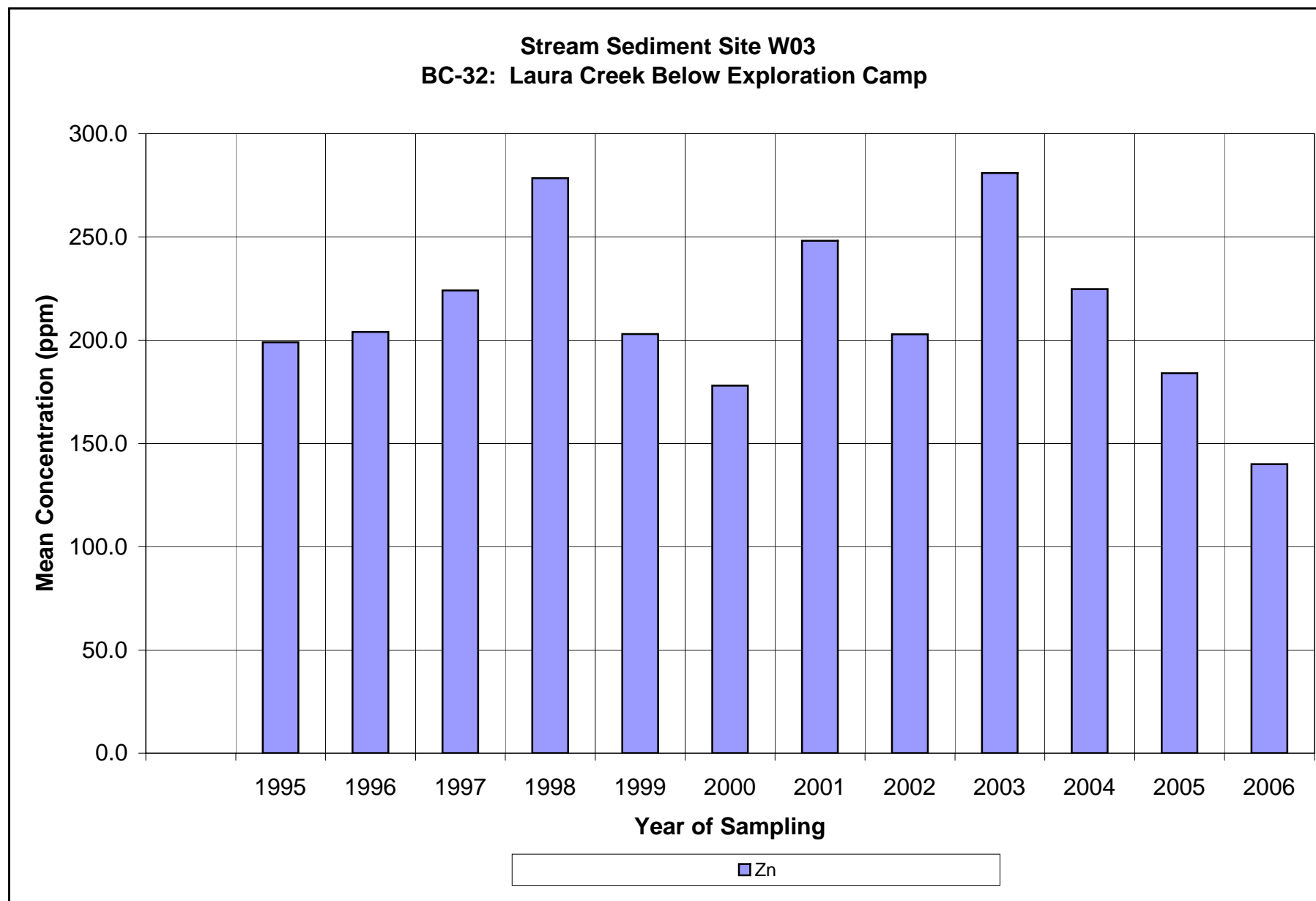


Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp

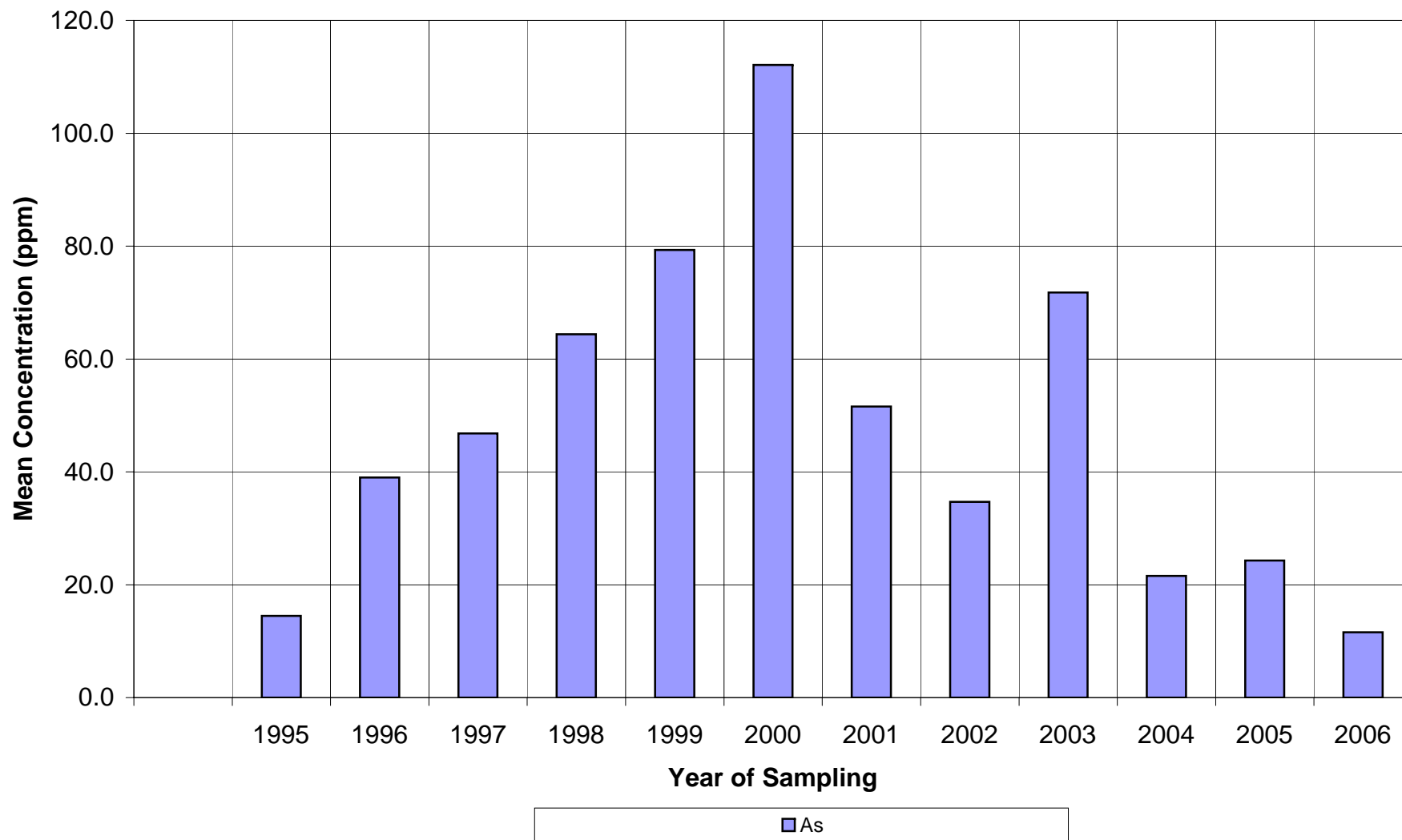


Stream Sediment Site W03
BC-32: Laura Creek Below Exploration Camp

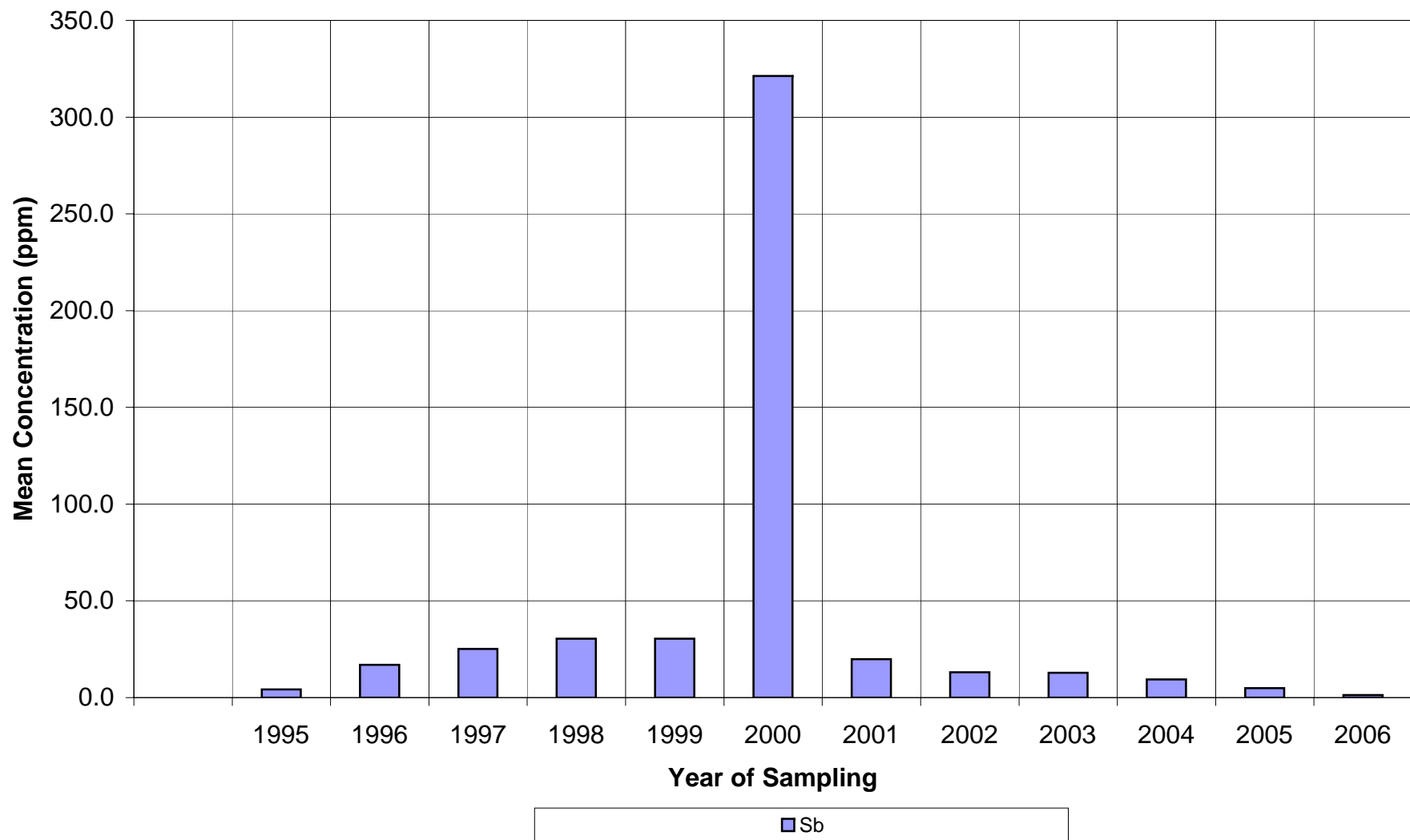


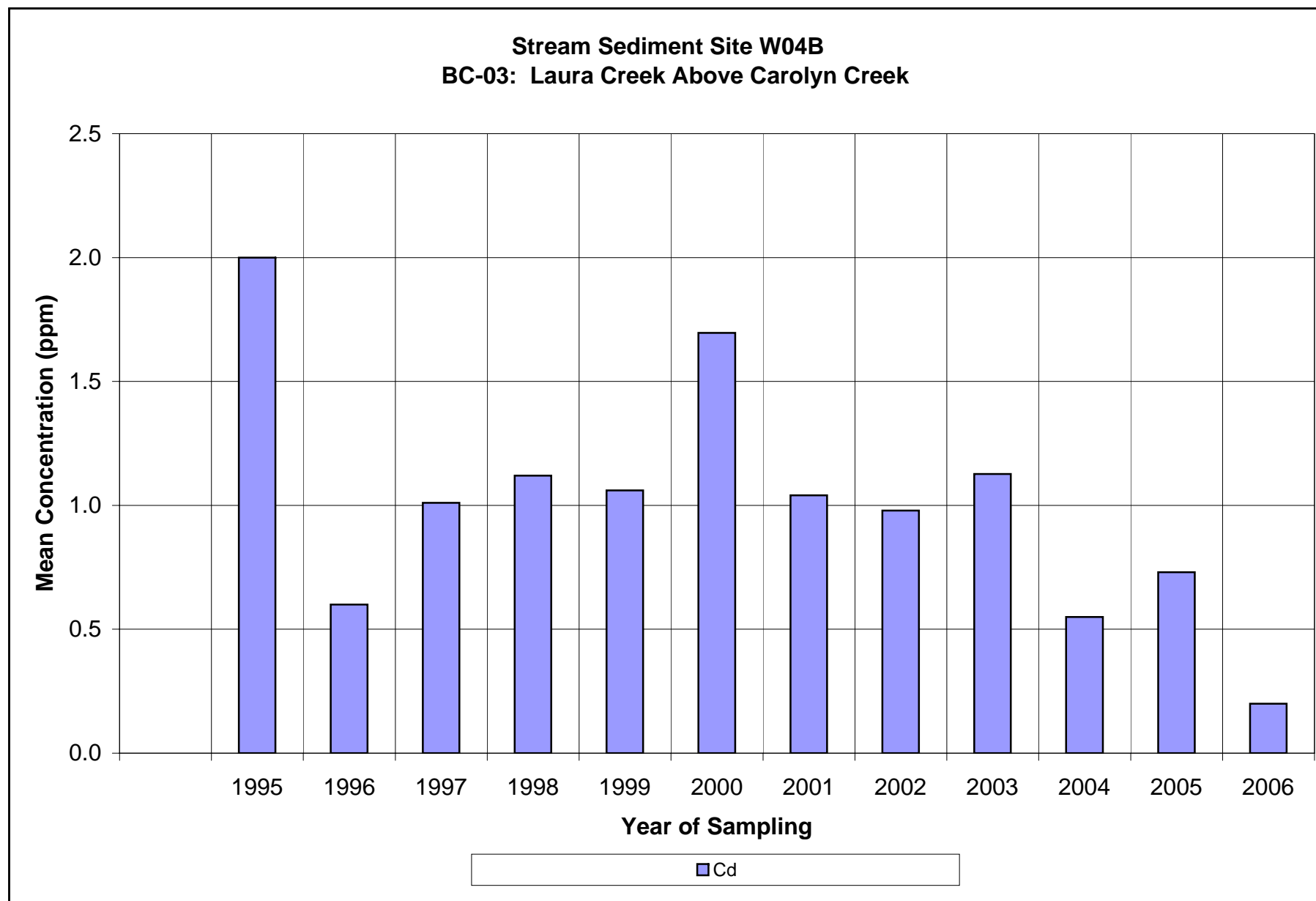


Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek

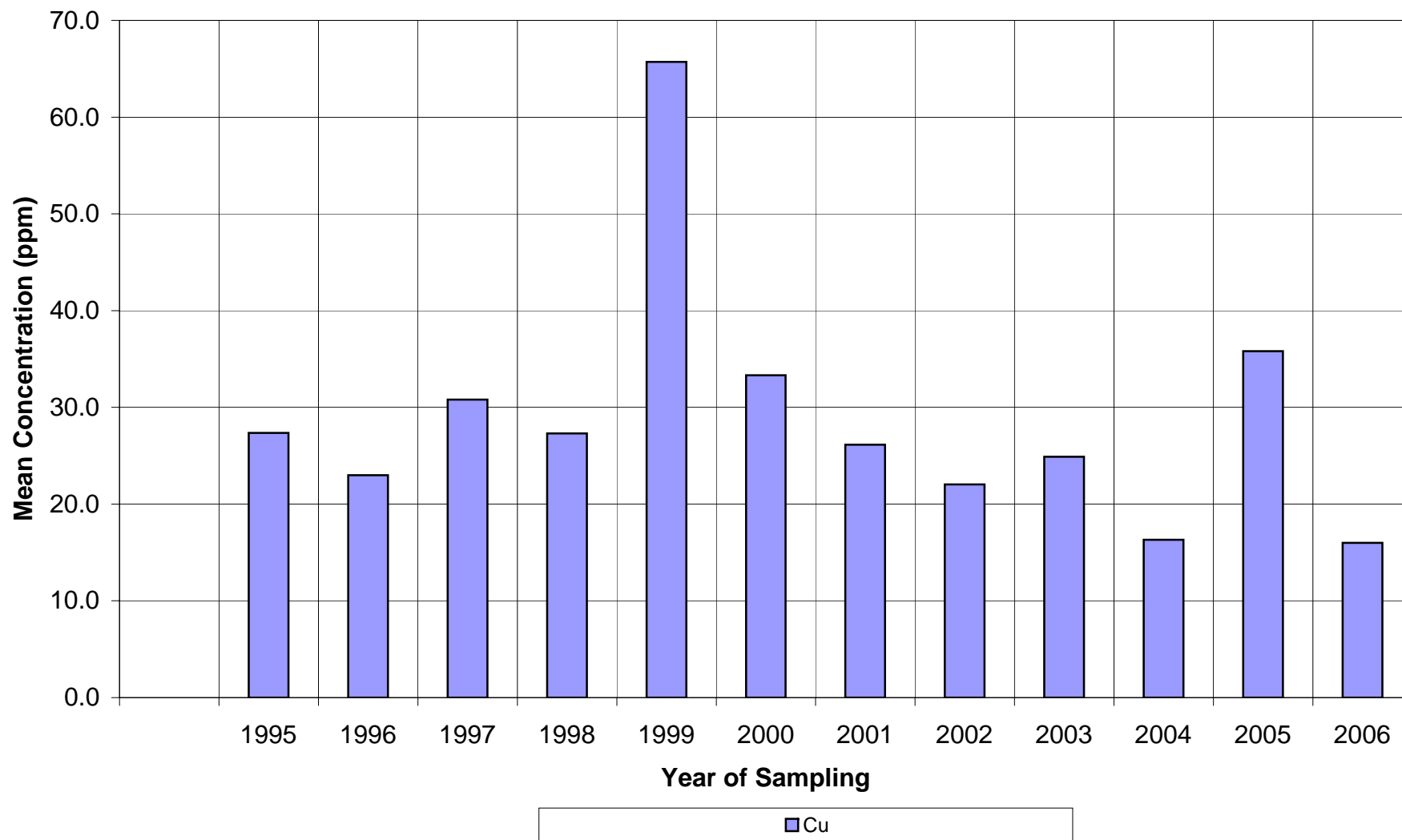


Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek

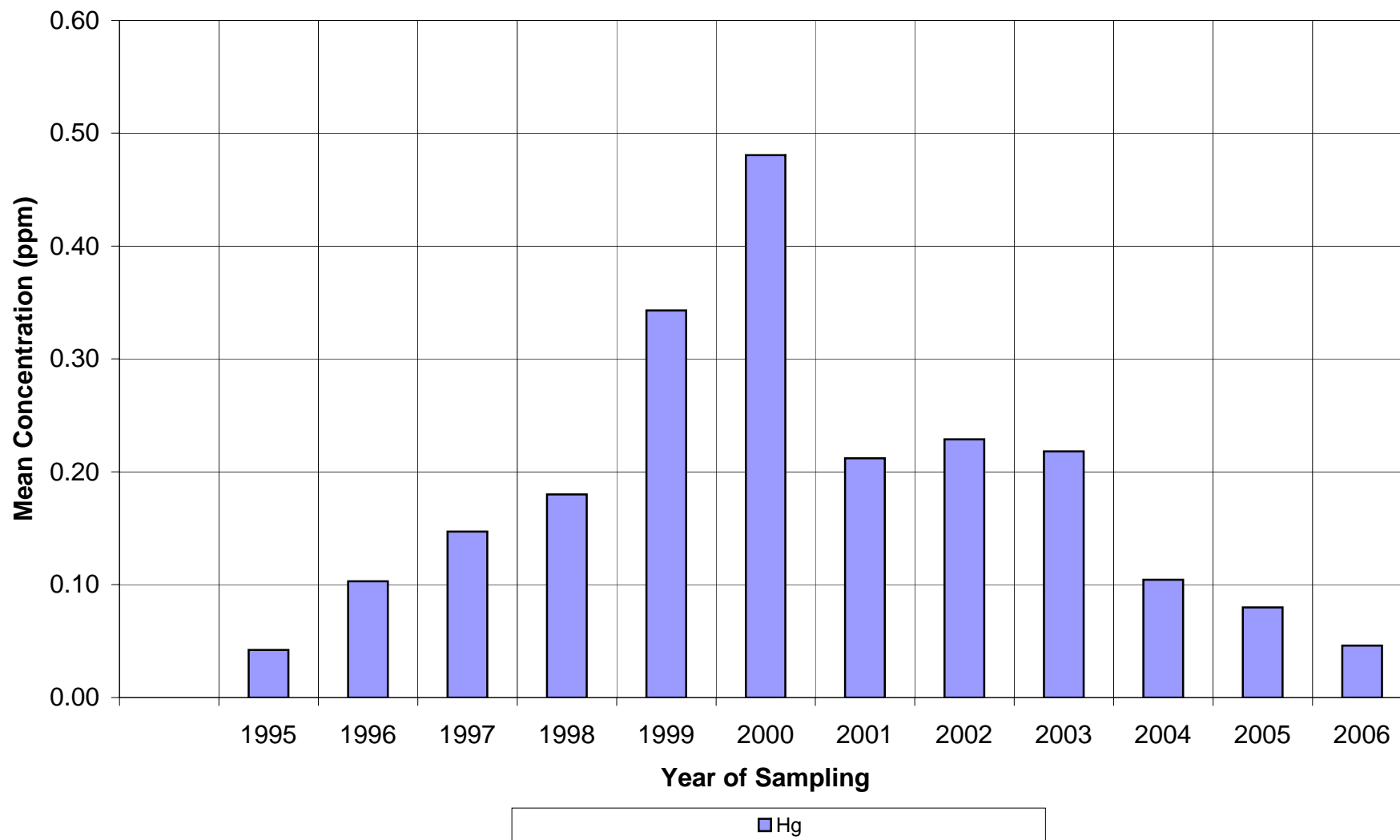




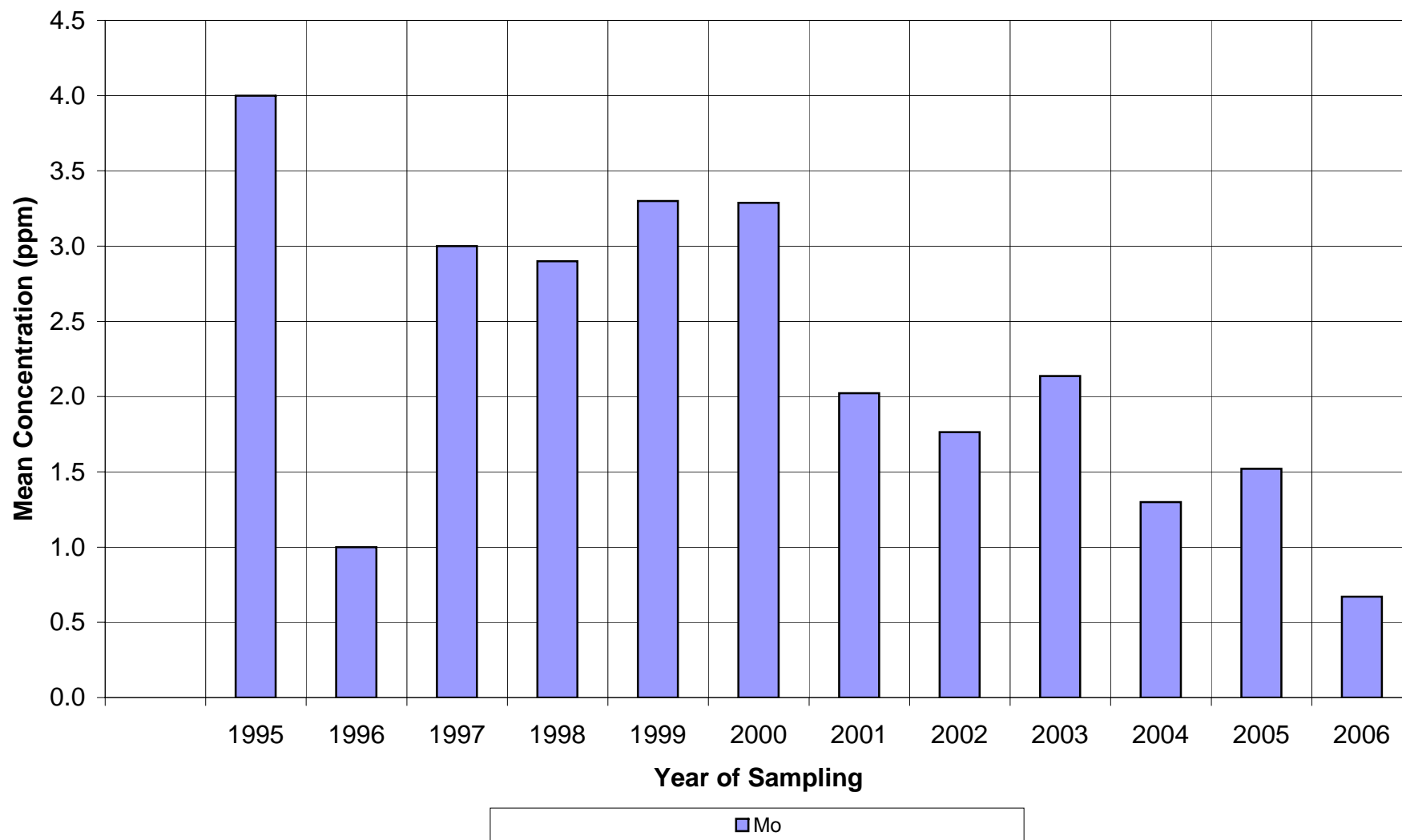
Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek



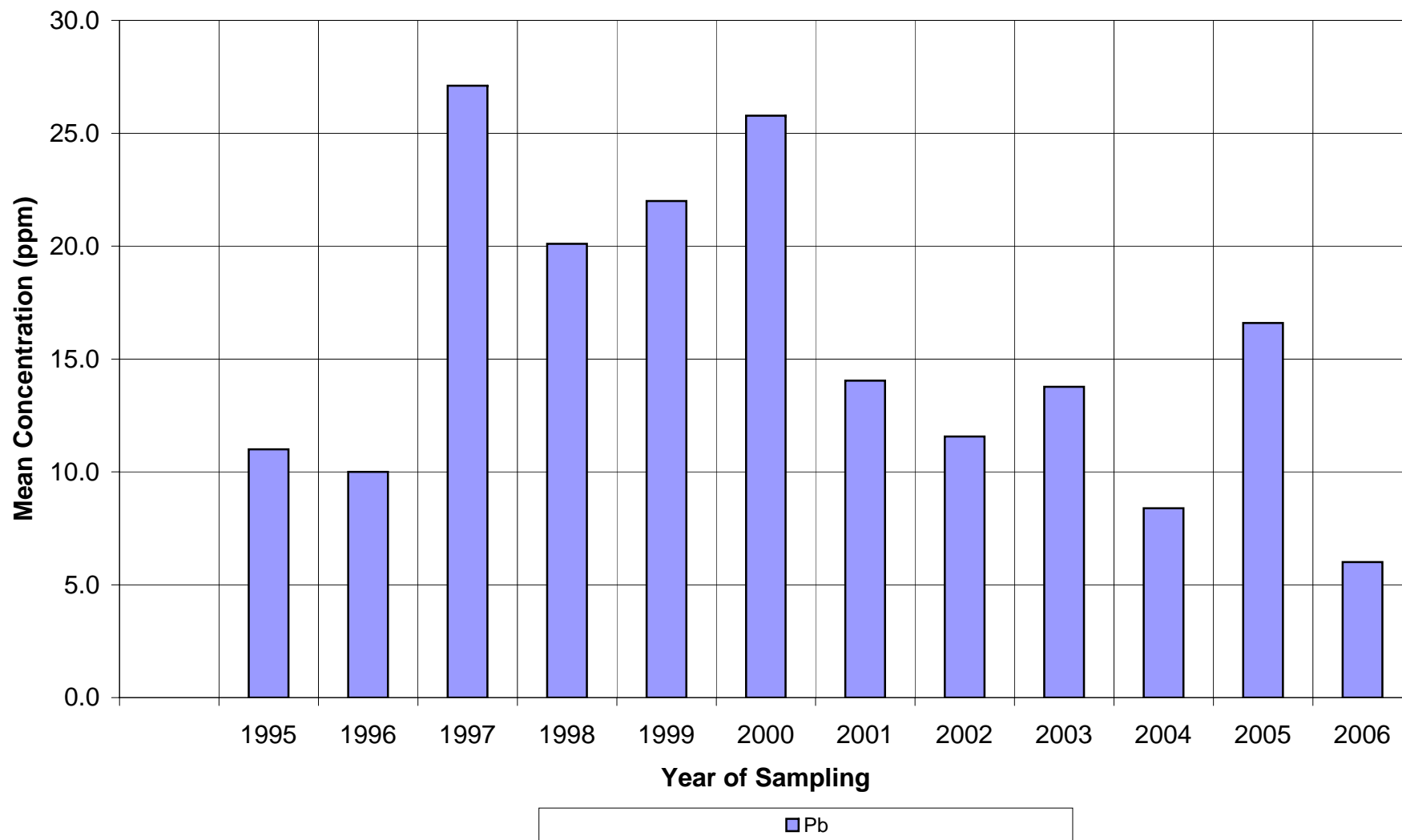
Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek



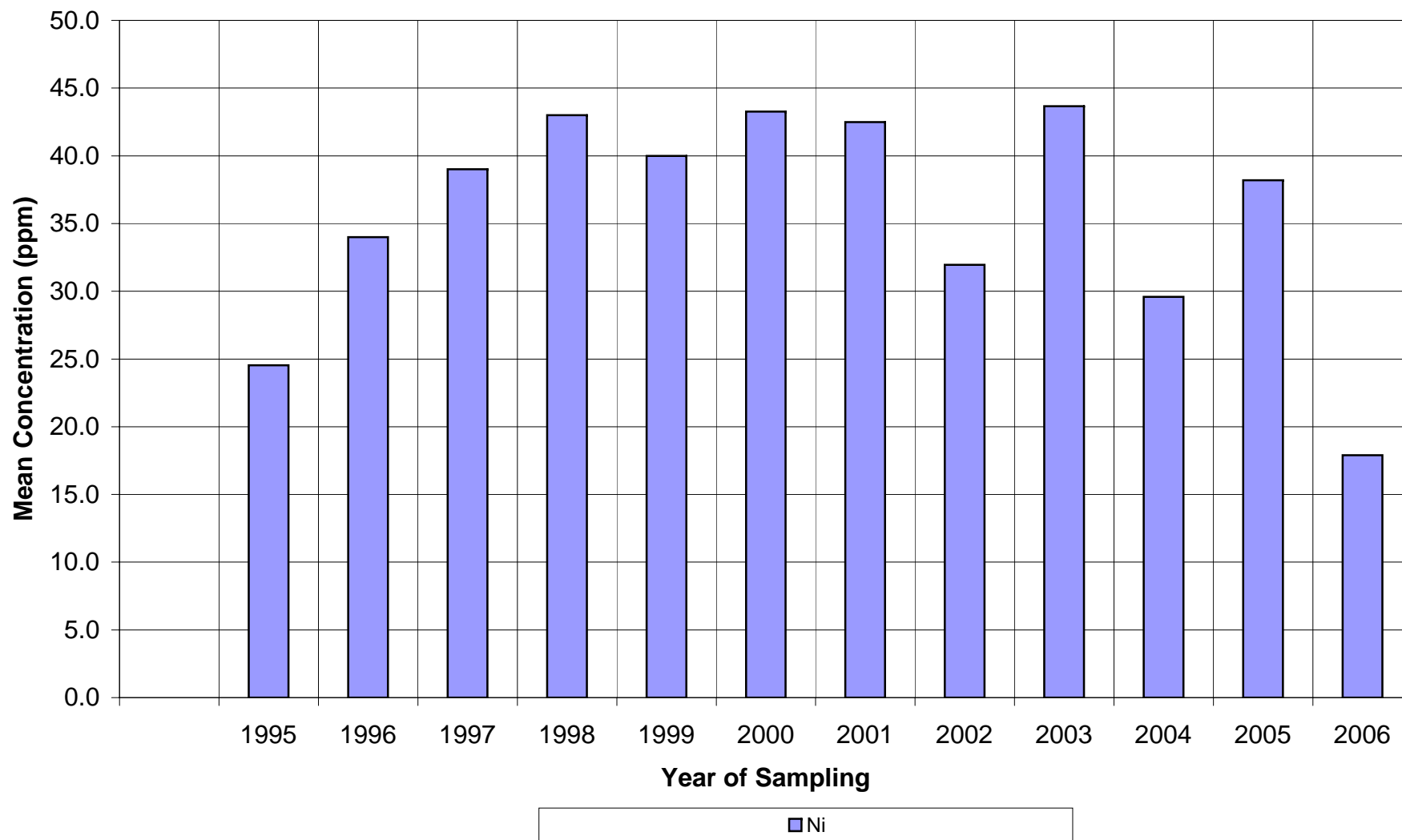
Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek



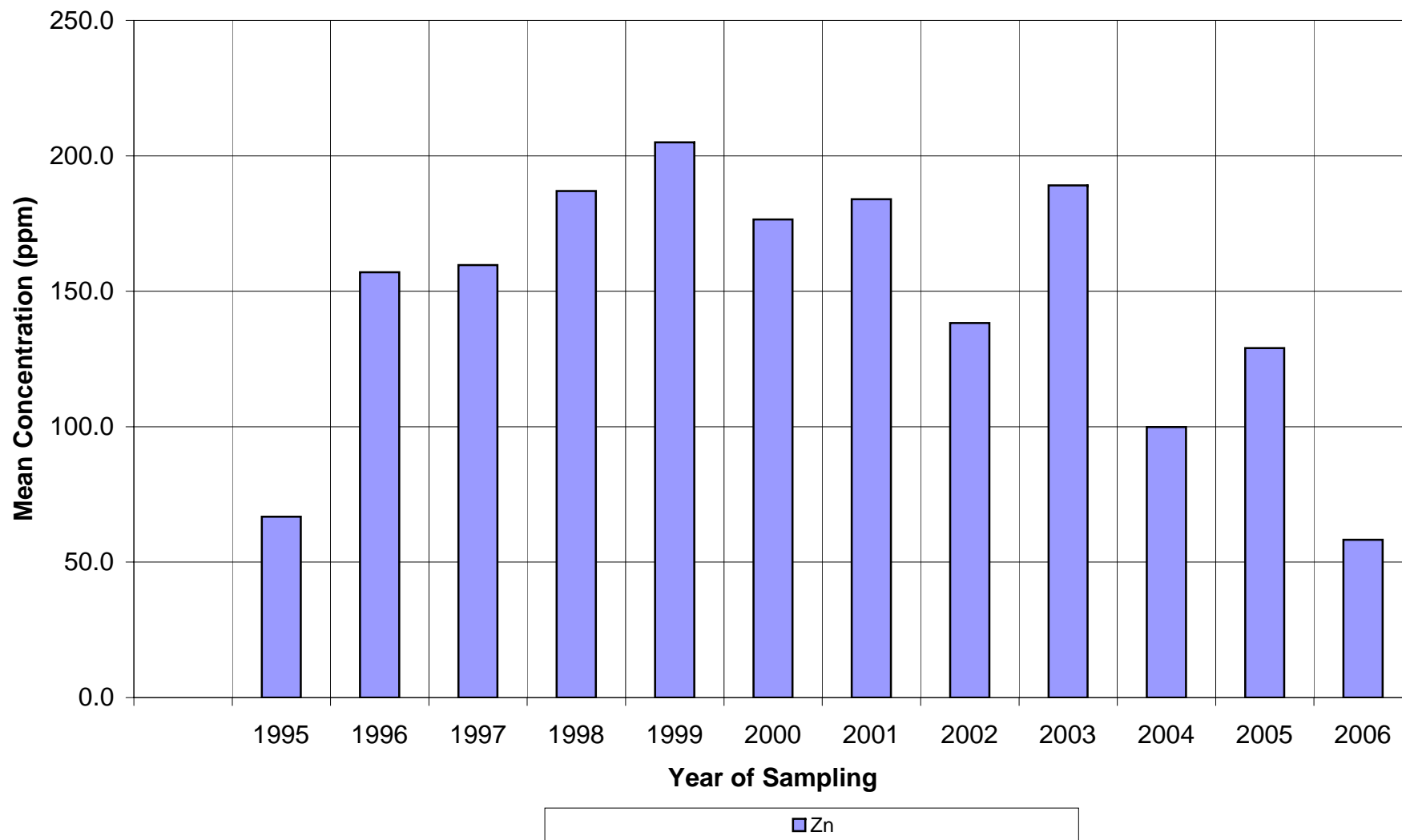
Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek



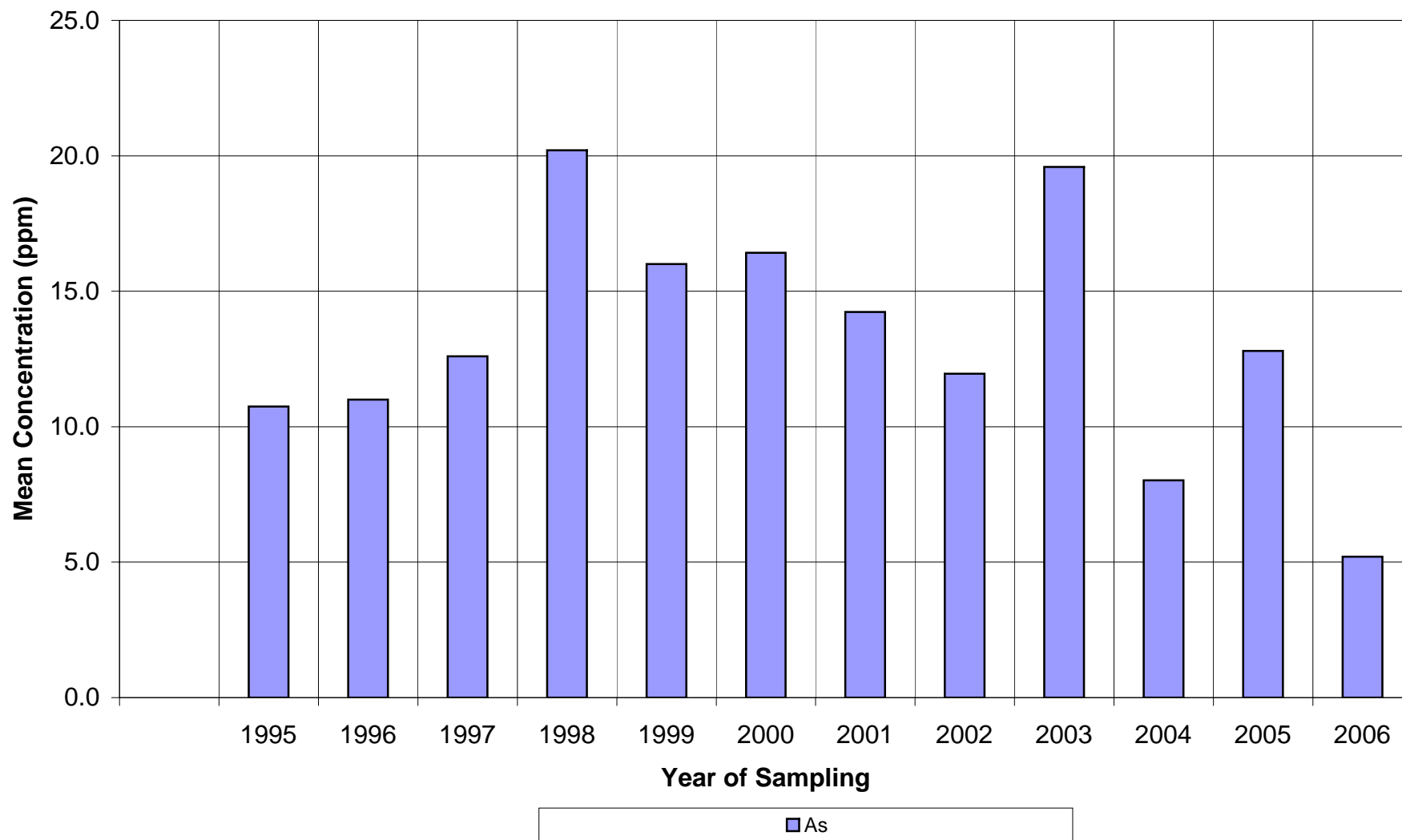
**Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek**



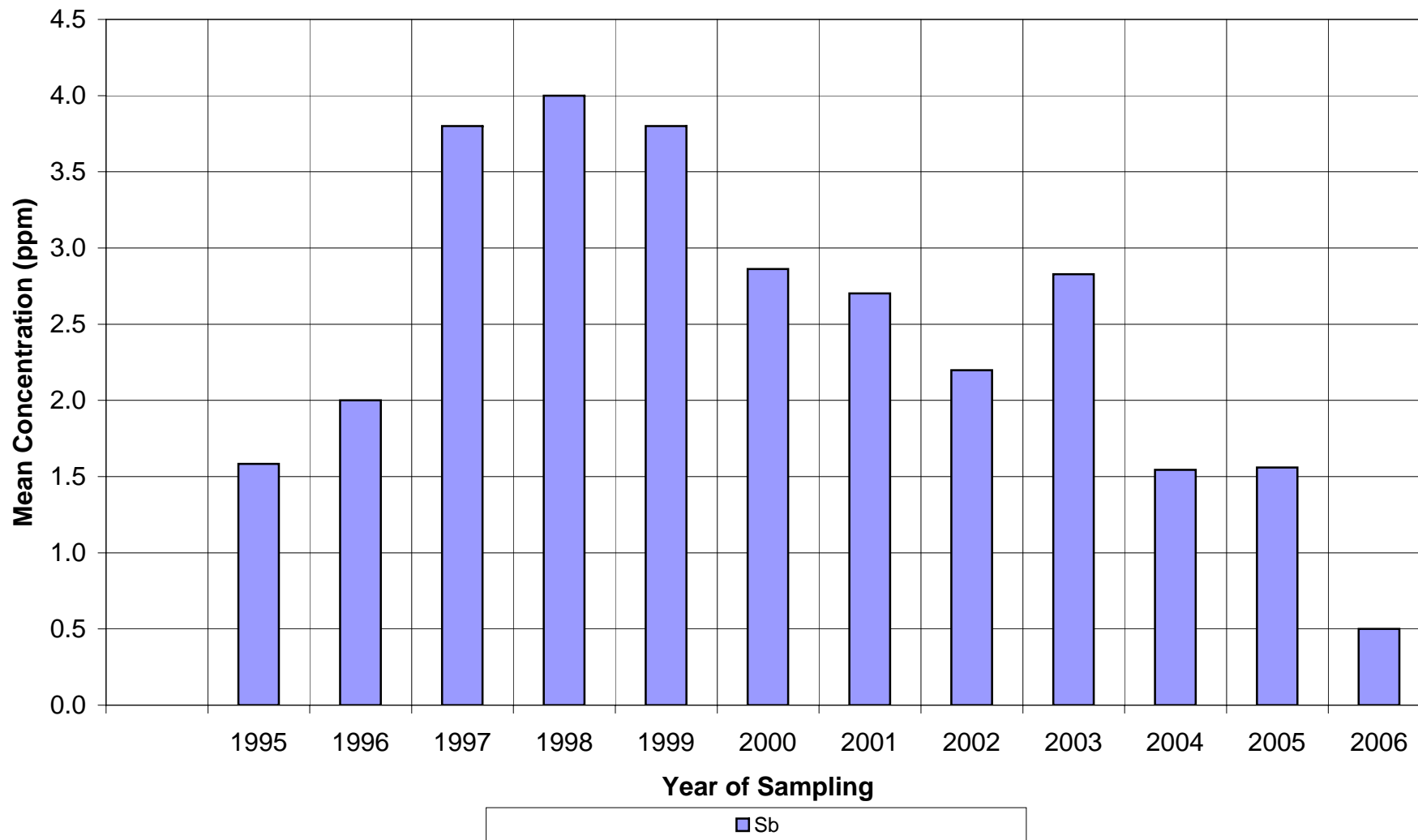
Stream Sediment Site W04B
BC-03: Laura Creek Above Carolyn Creek



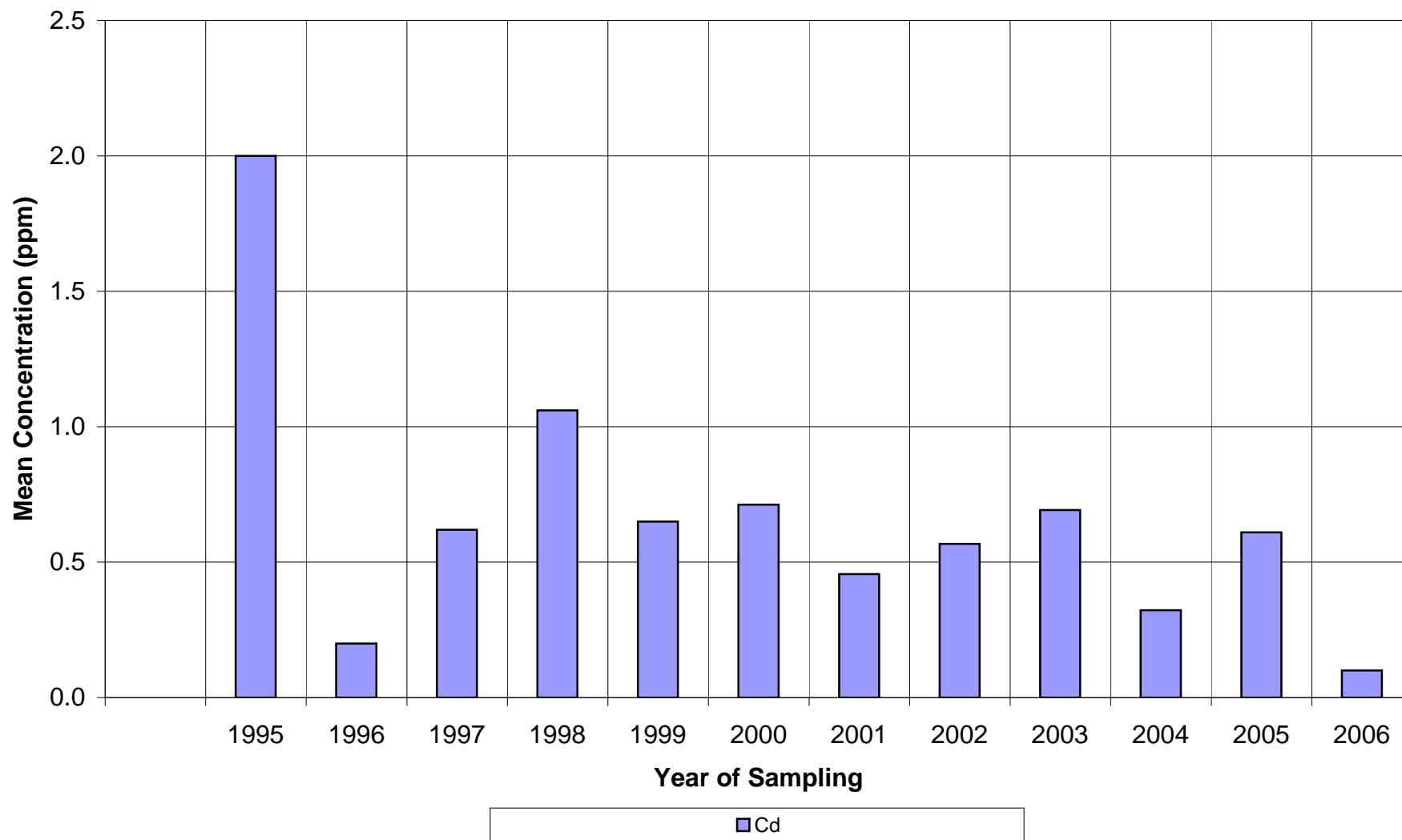
Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek

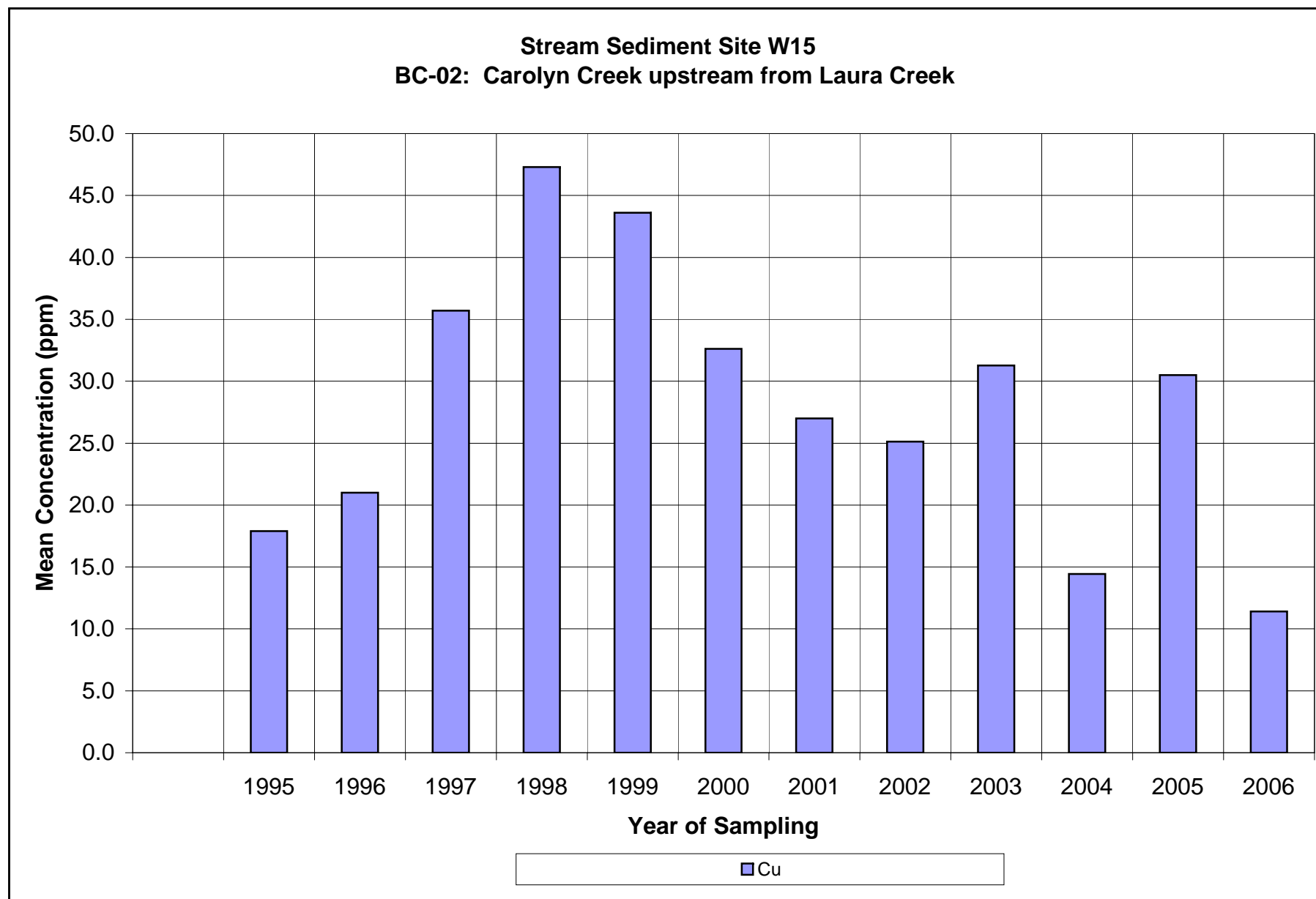


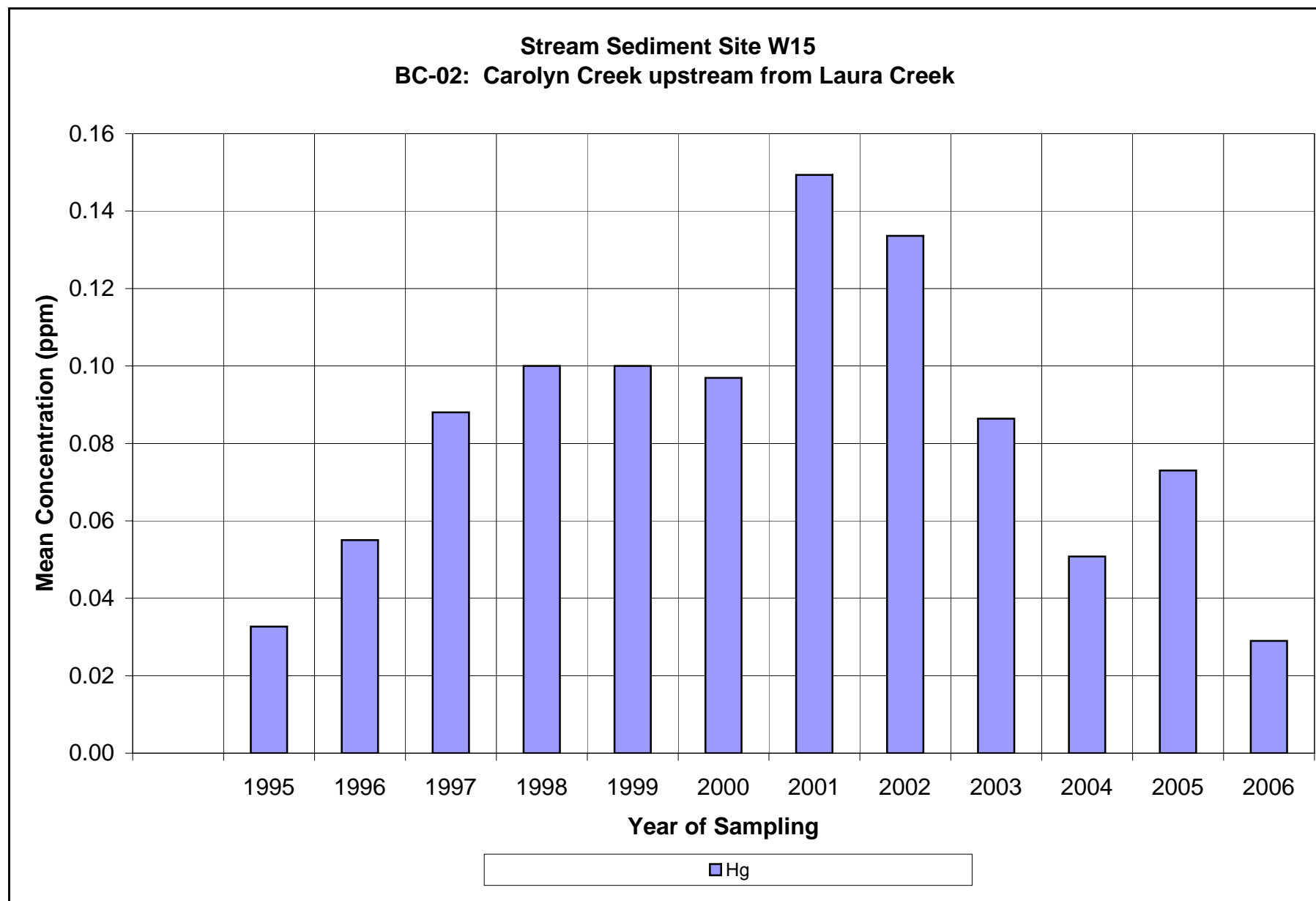
Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek



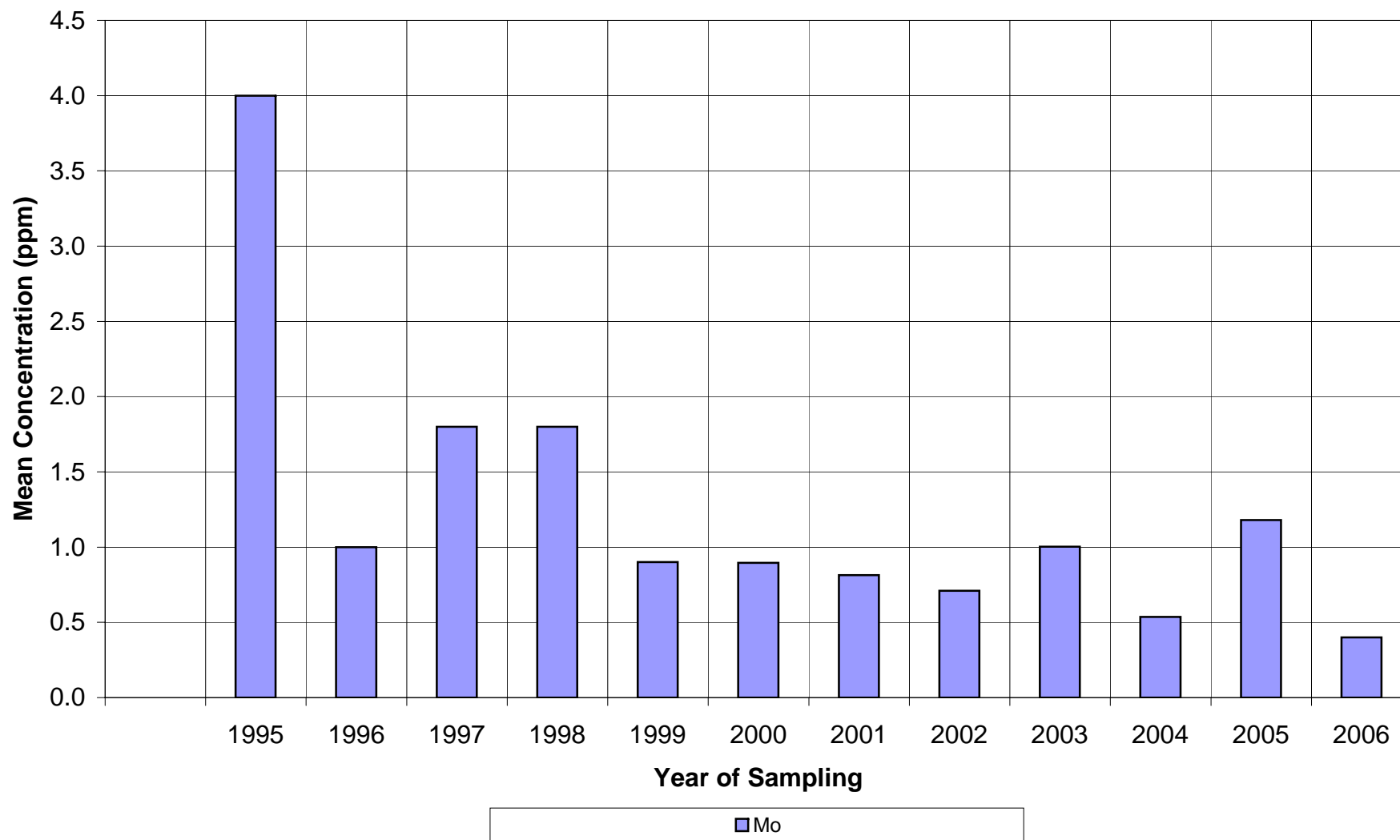
Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek



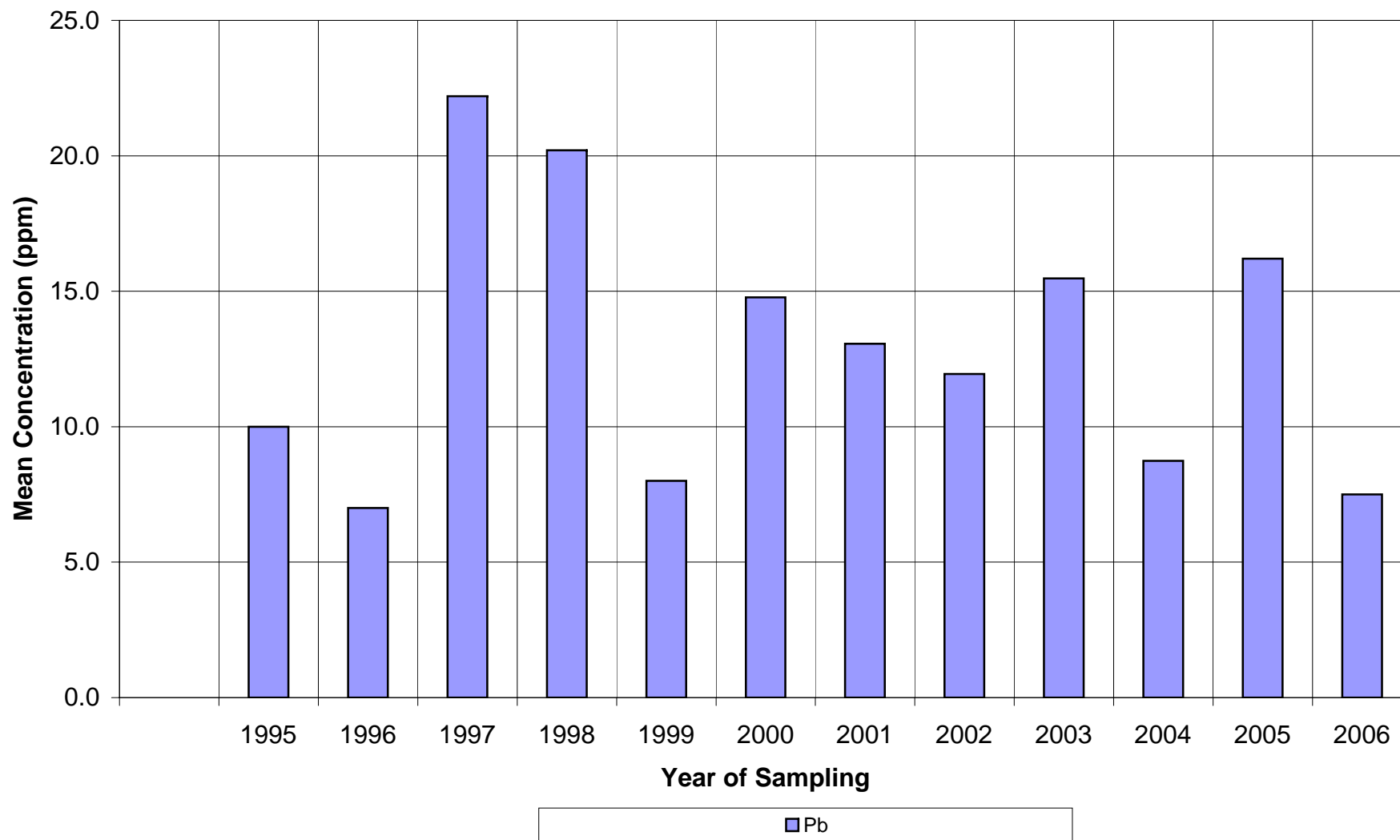


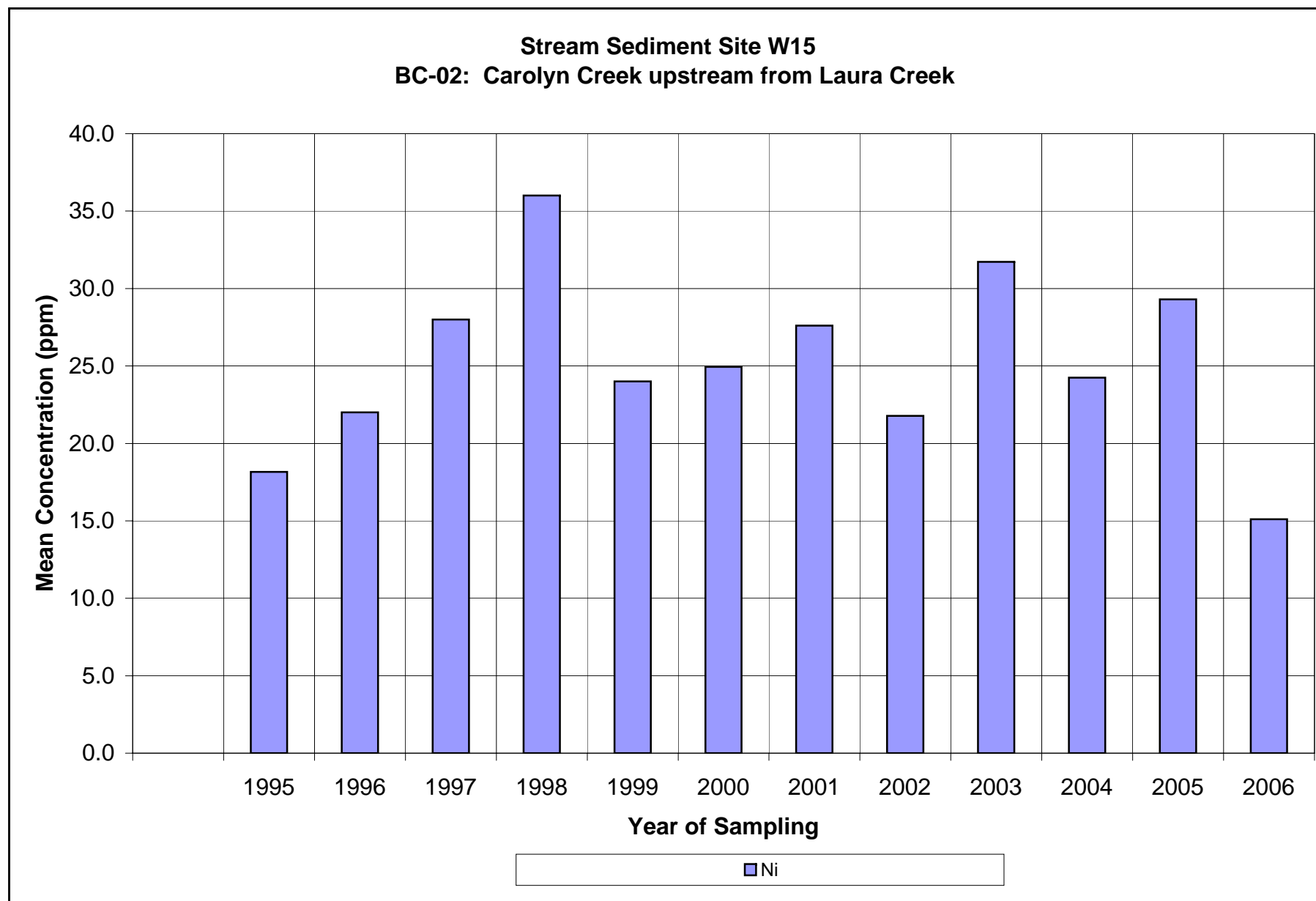


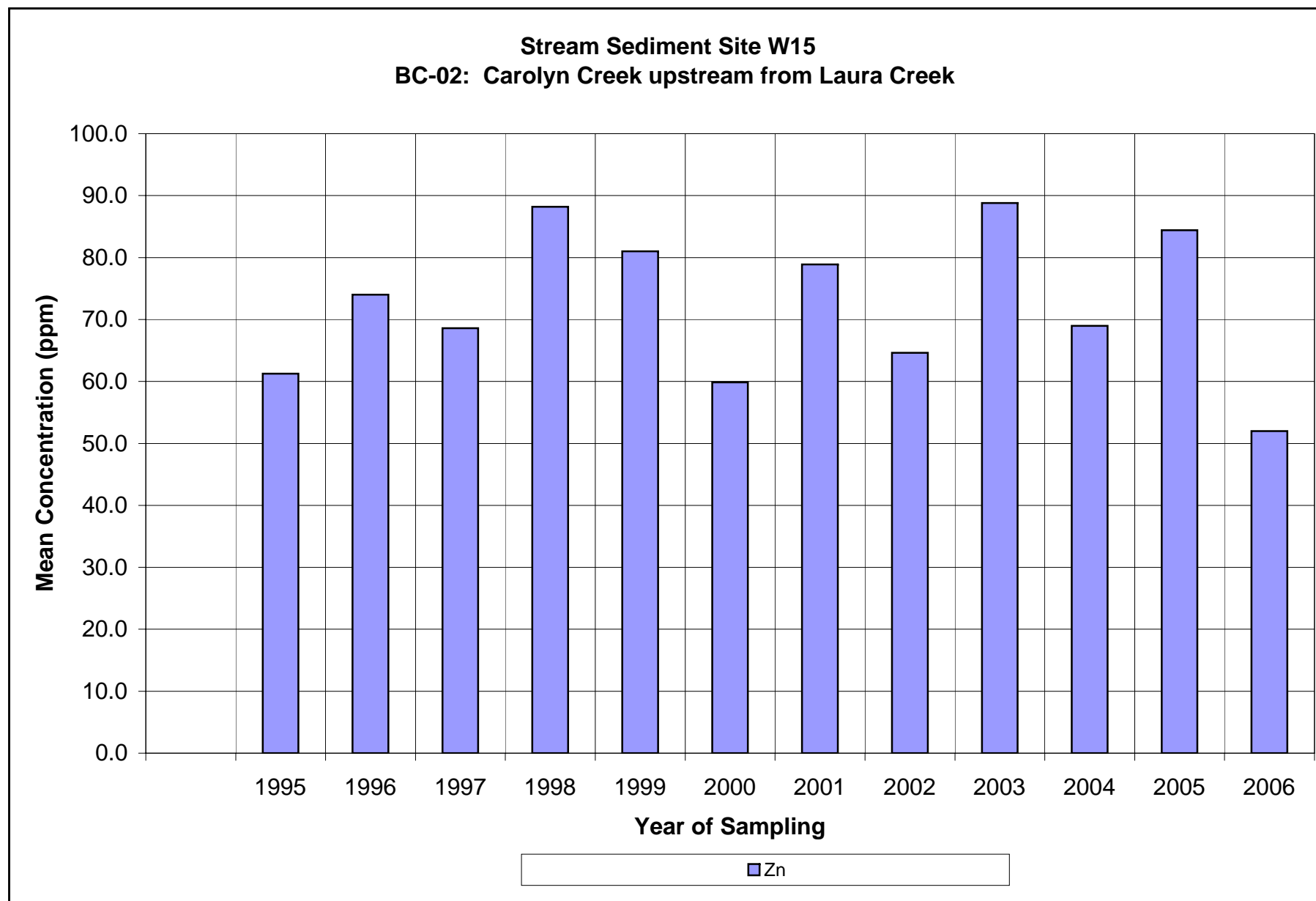
Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek

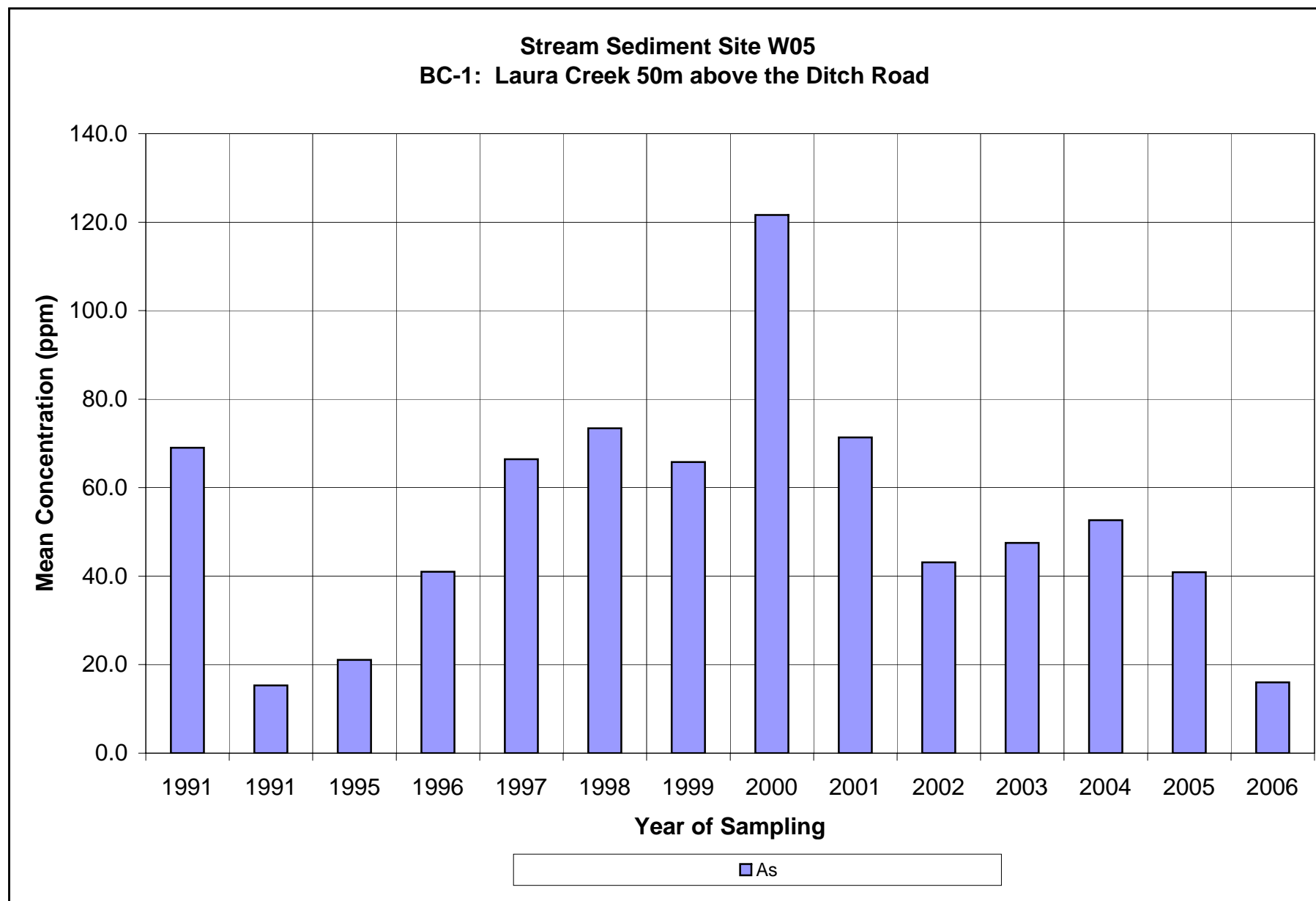


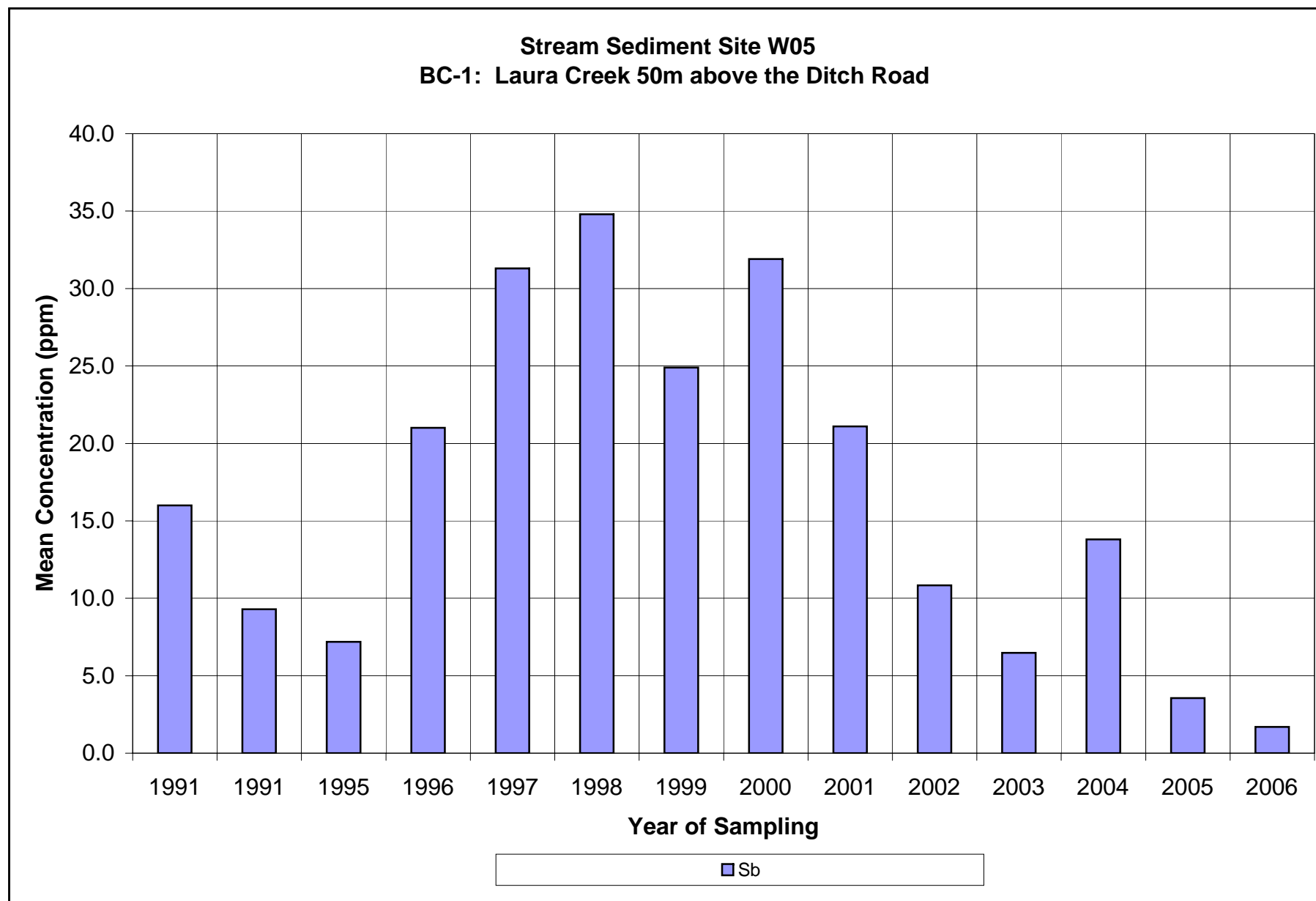
Stream Sediment Site W15
BC-02: Carolyn Creek upstream from Laura Creek

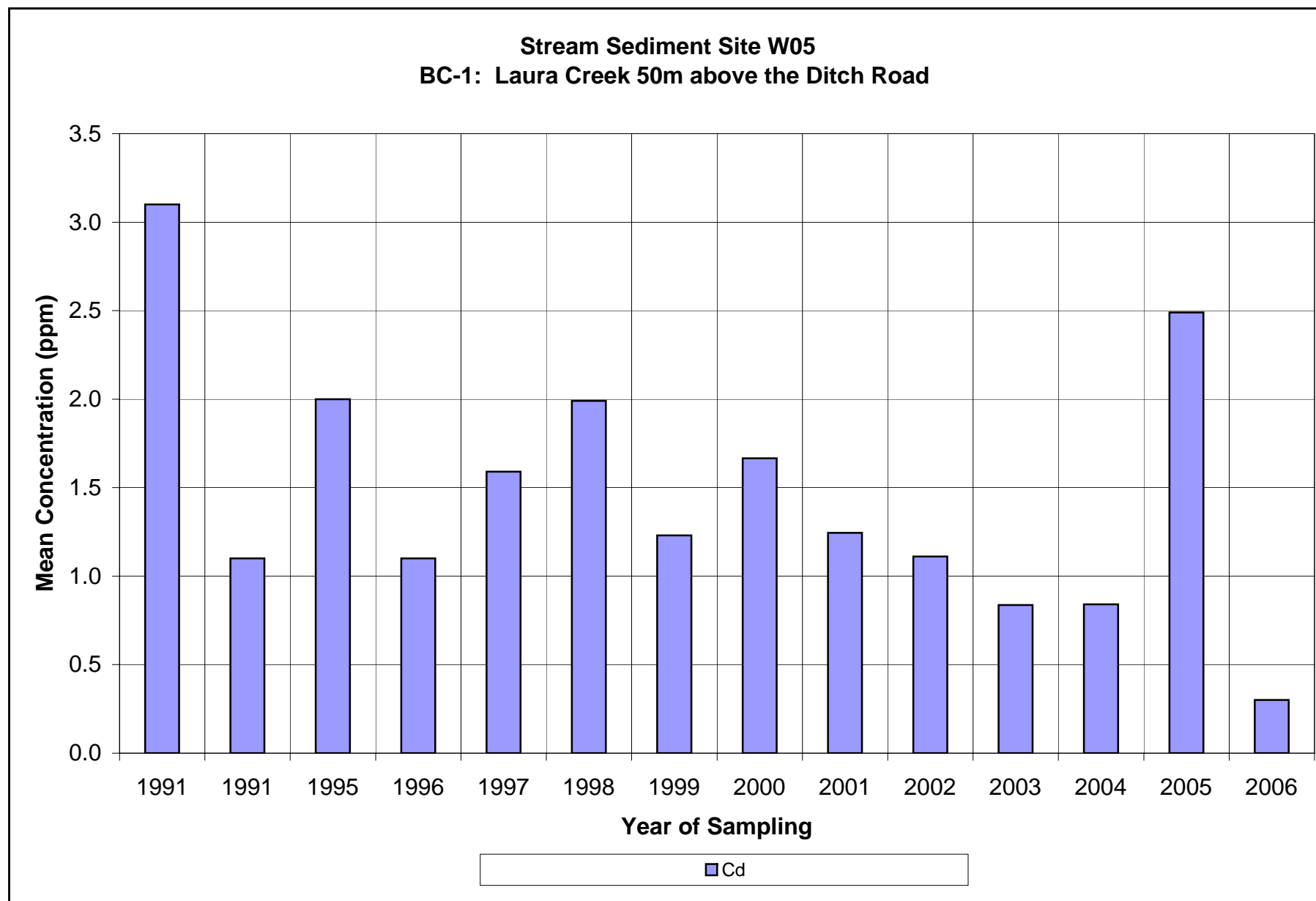


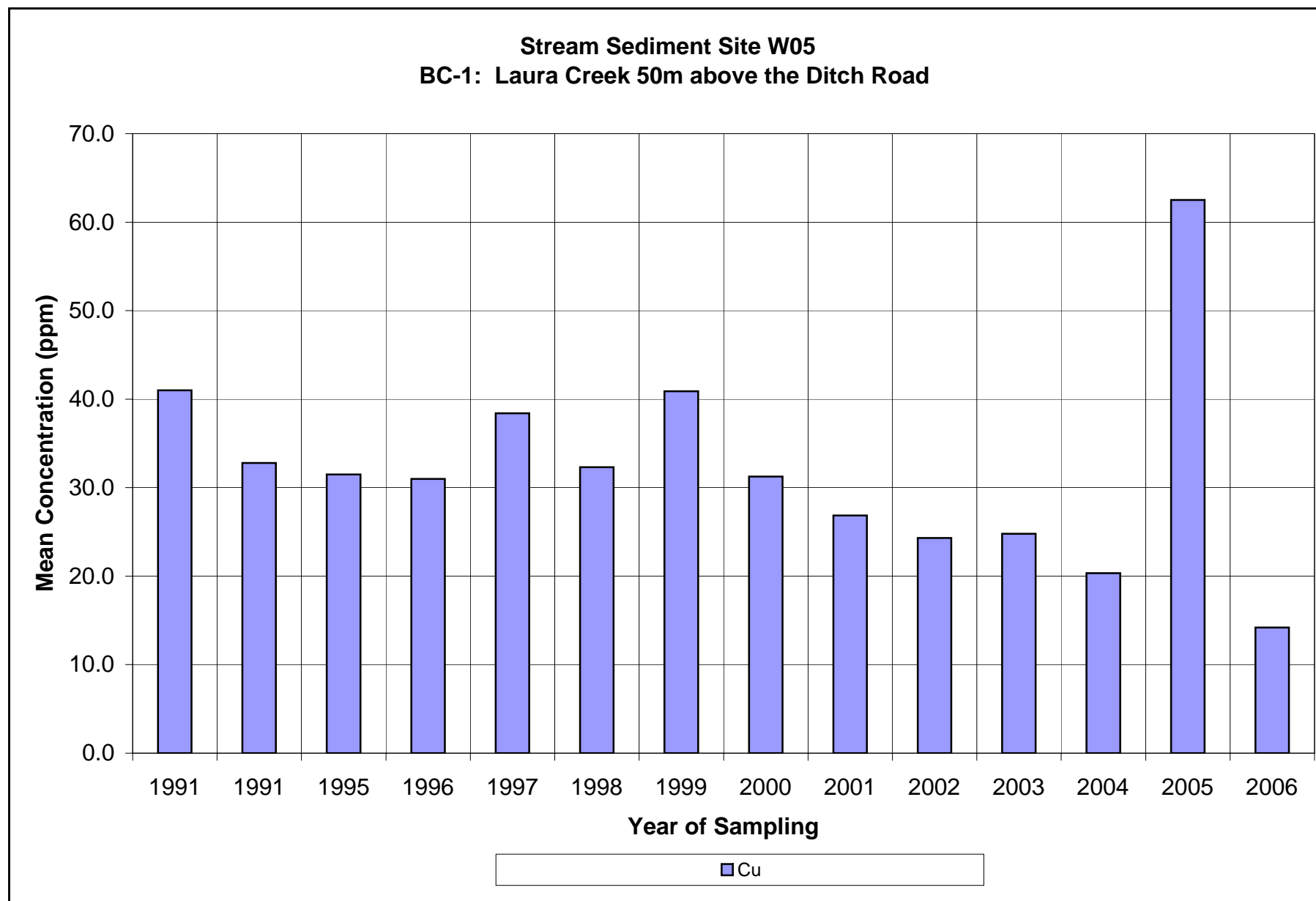


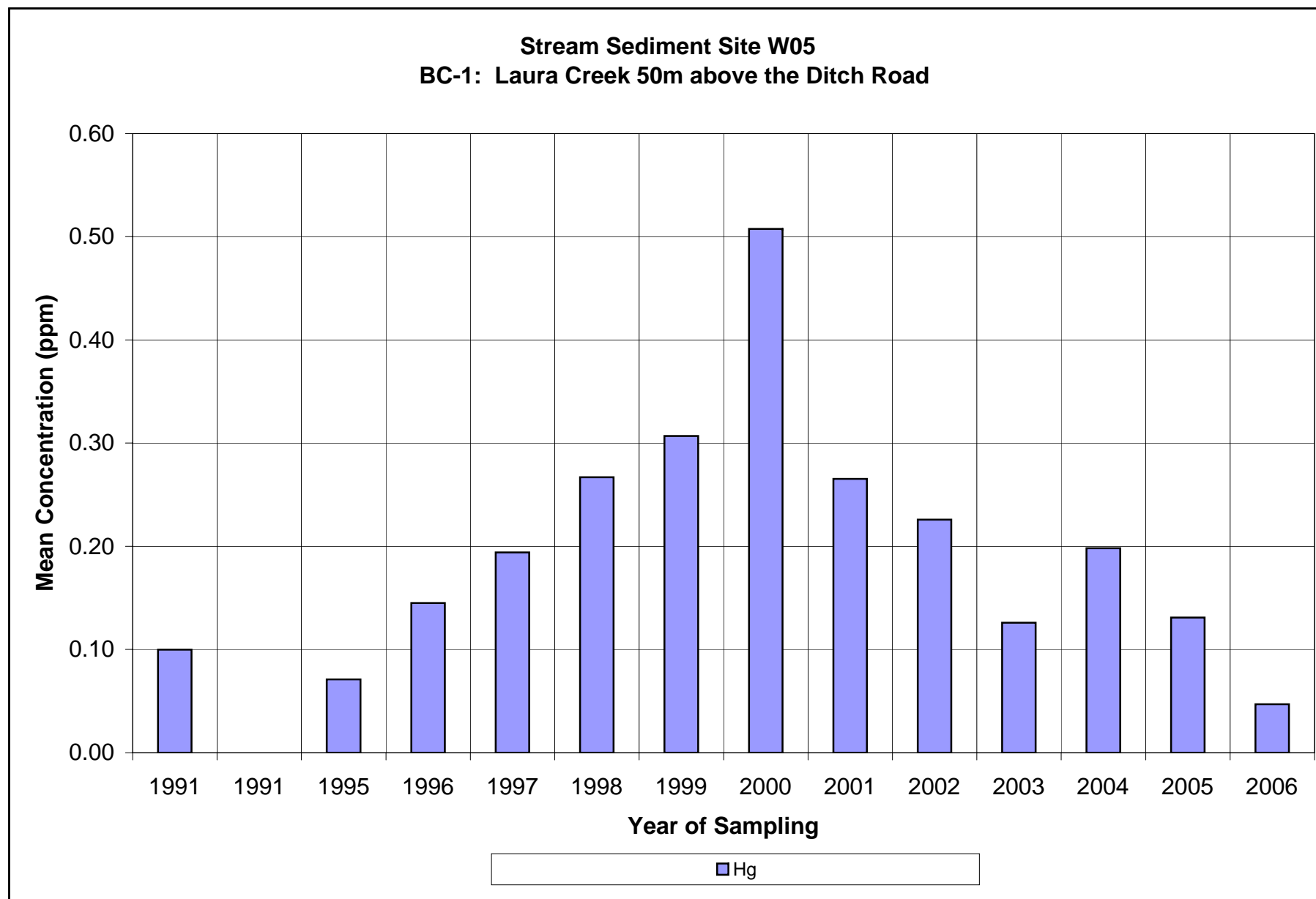


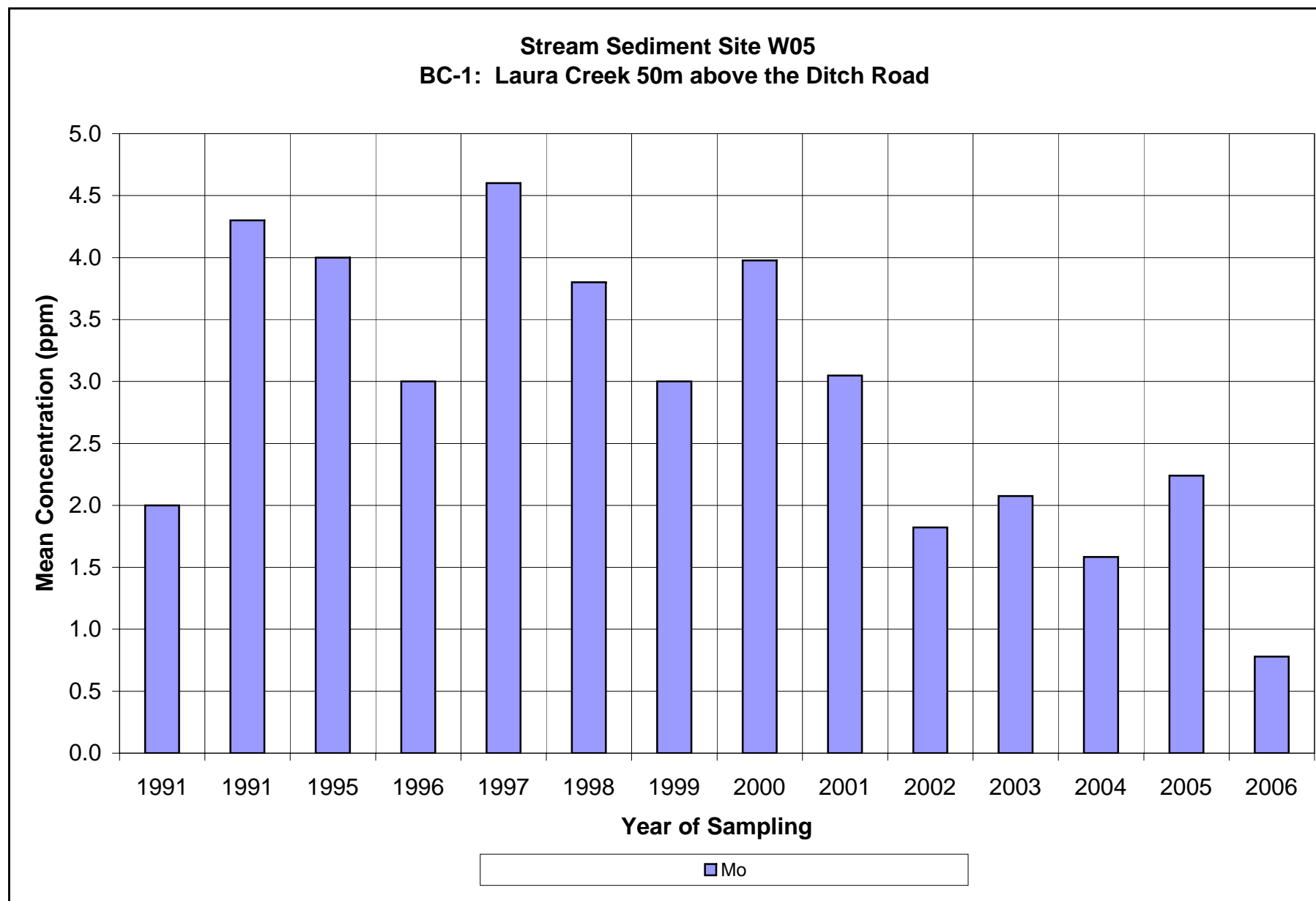


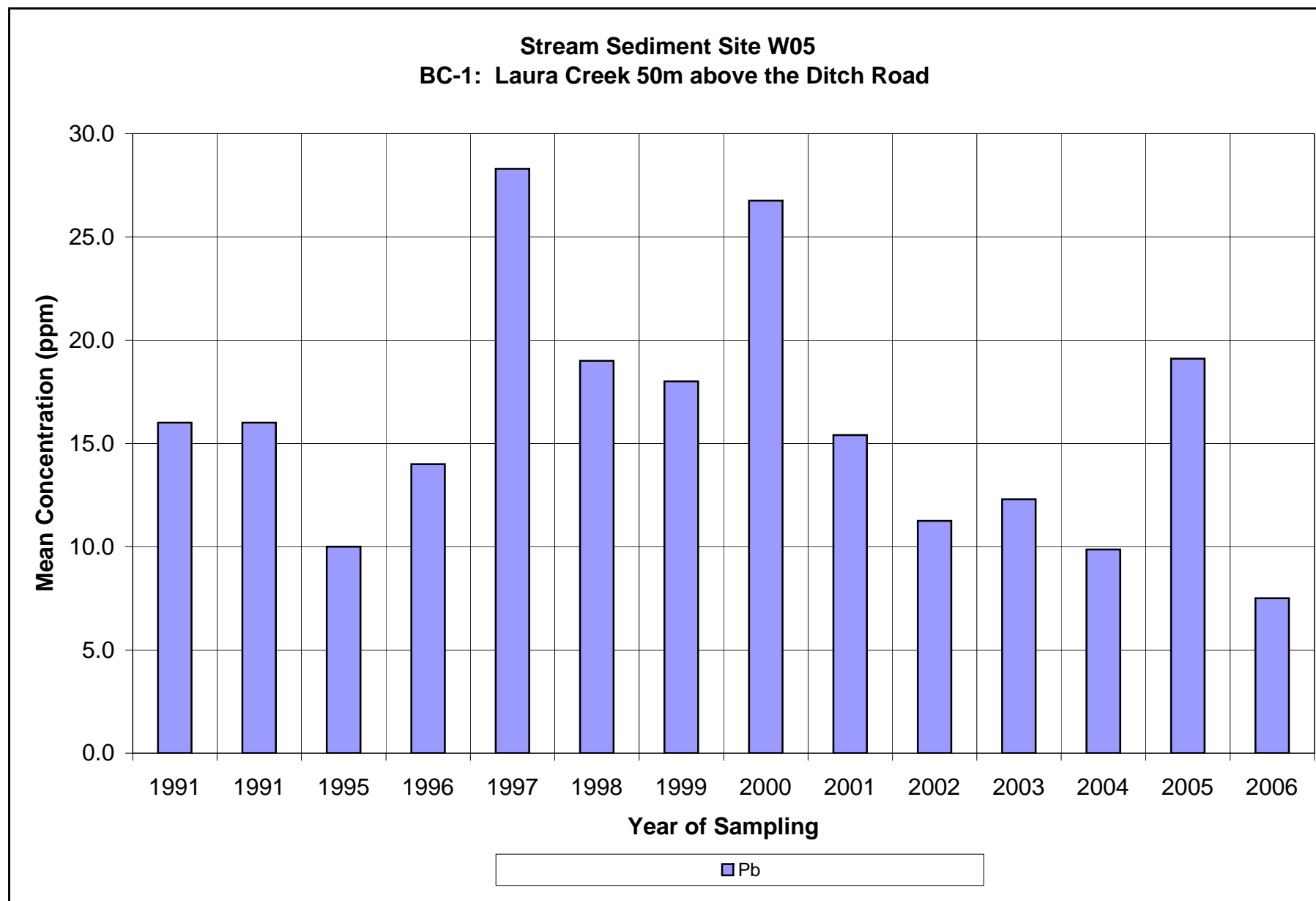


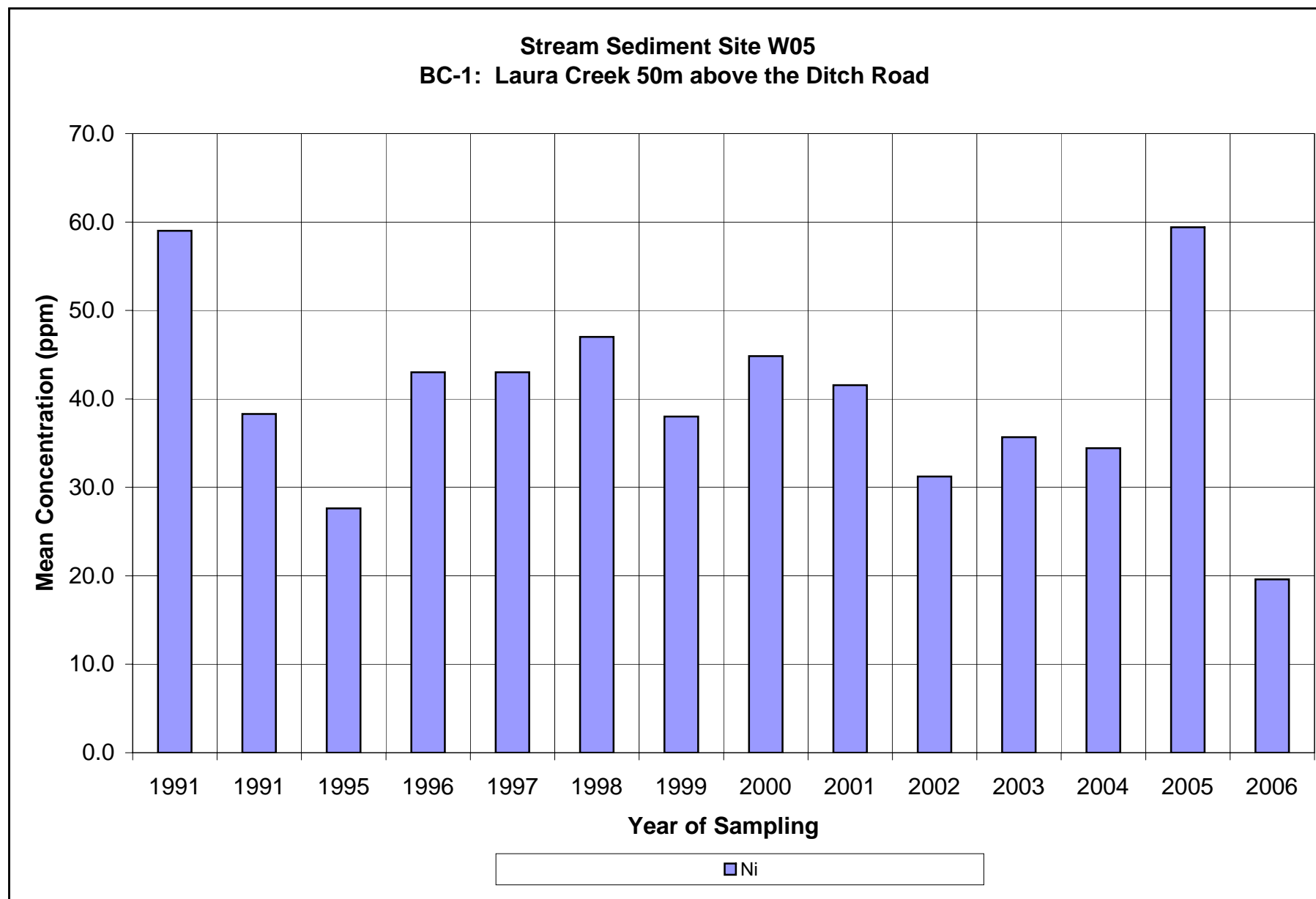


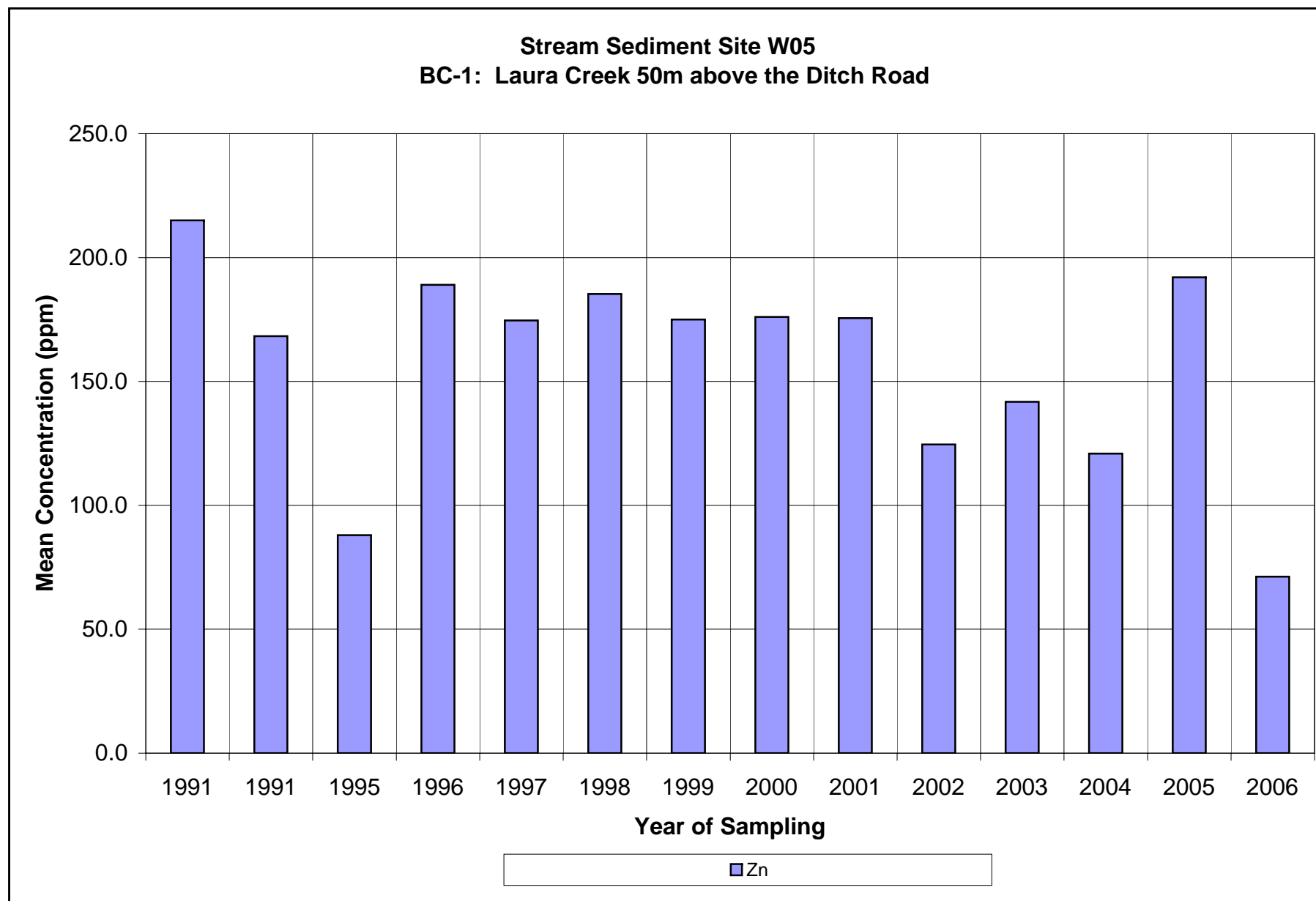




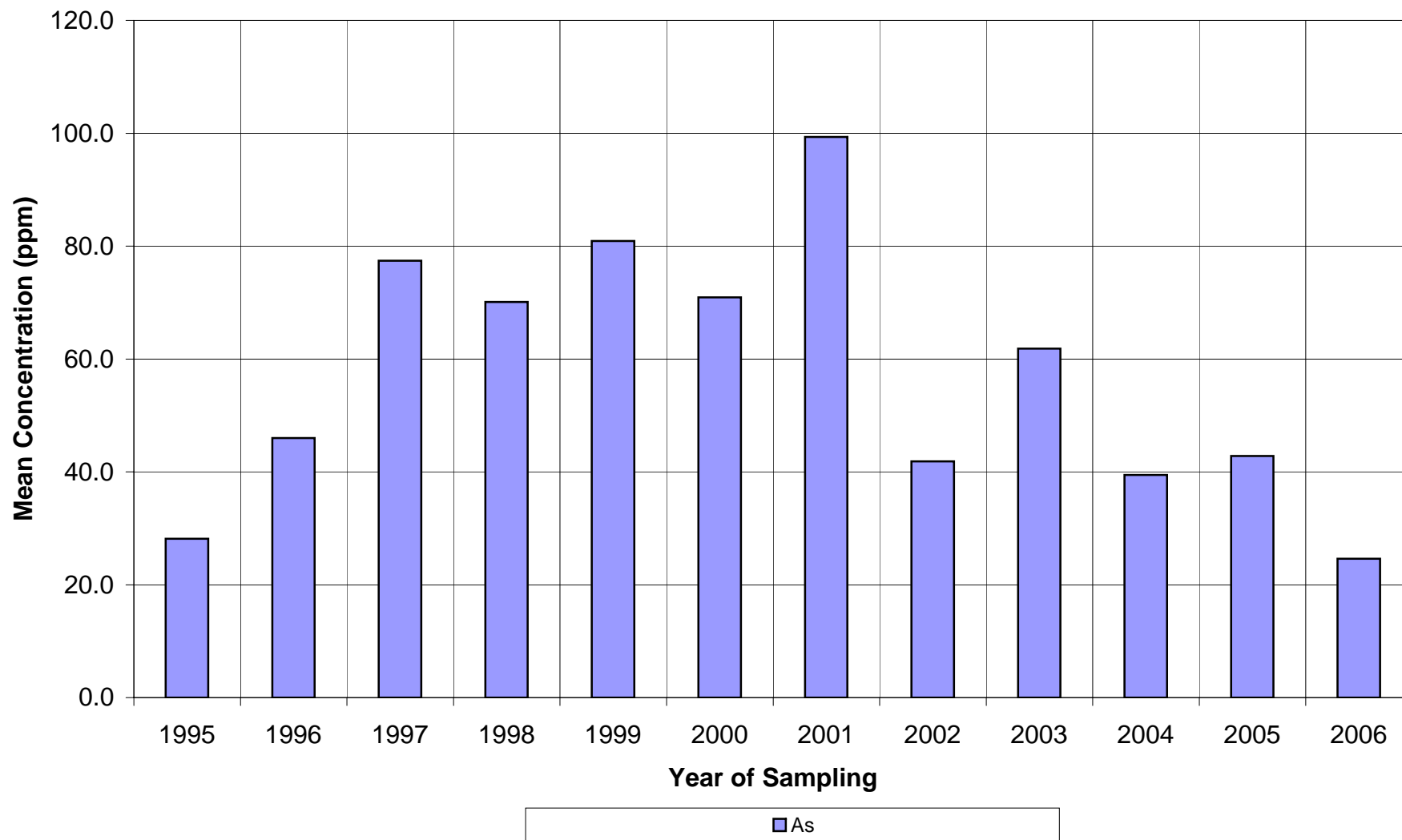


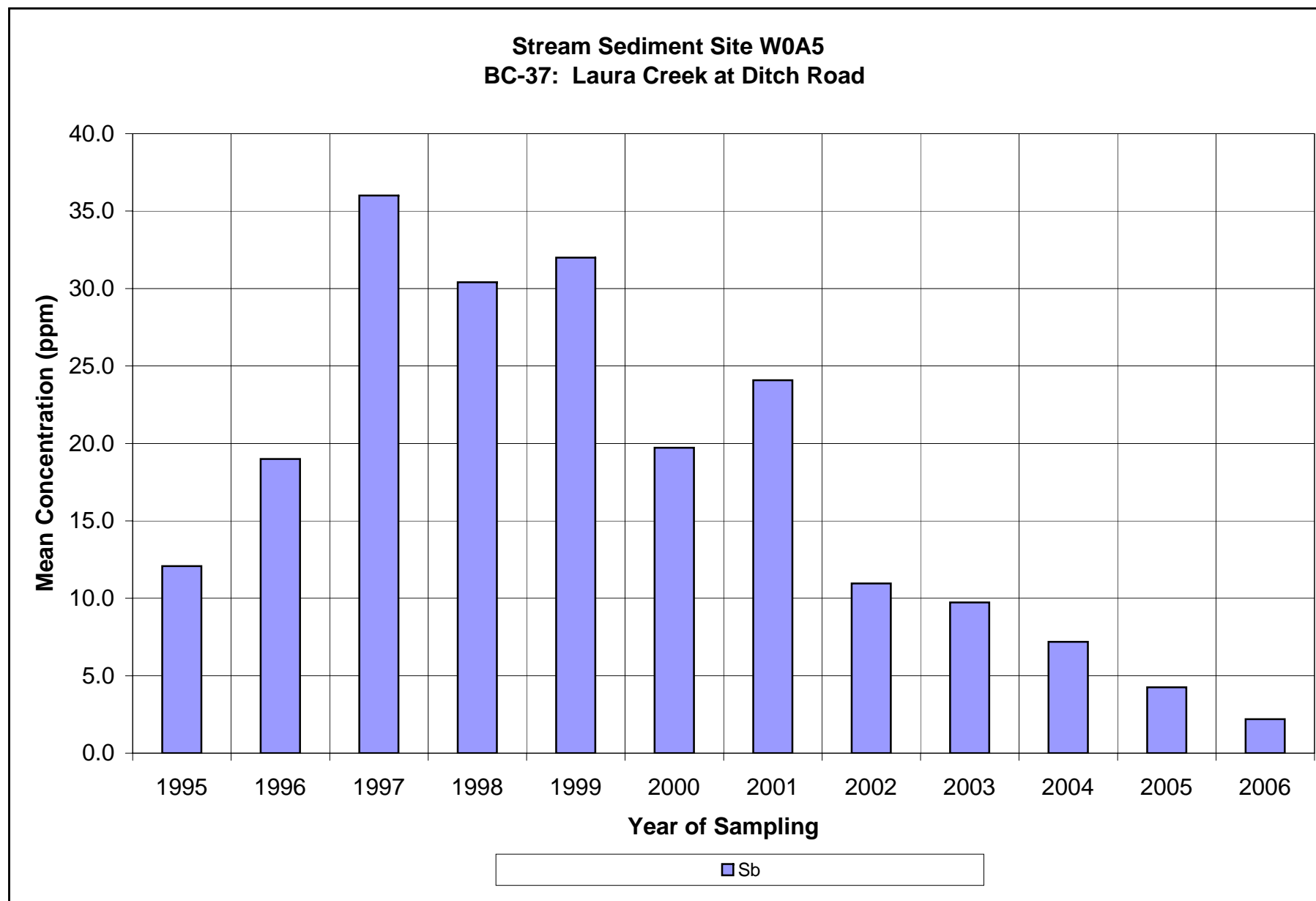




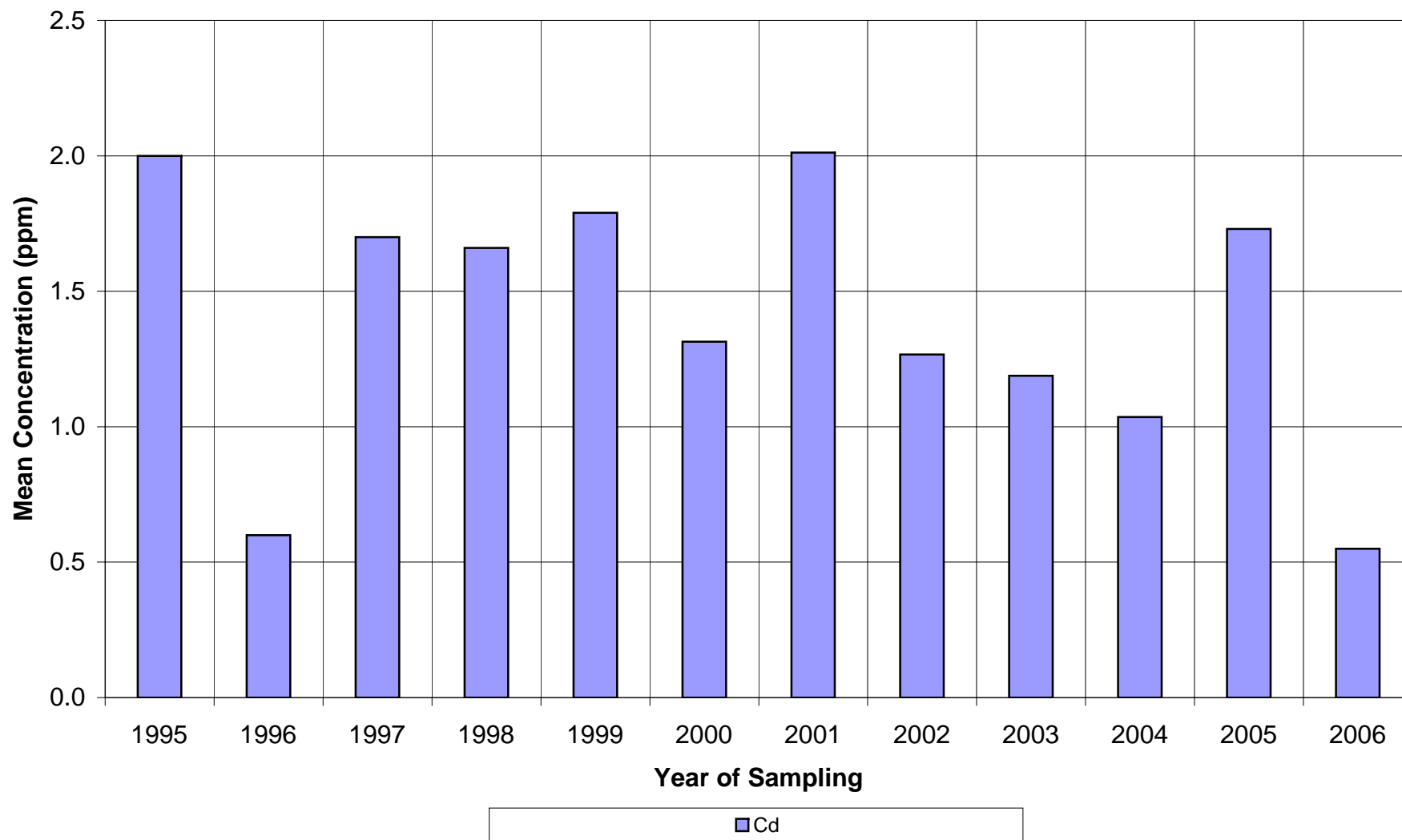


**Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road**

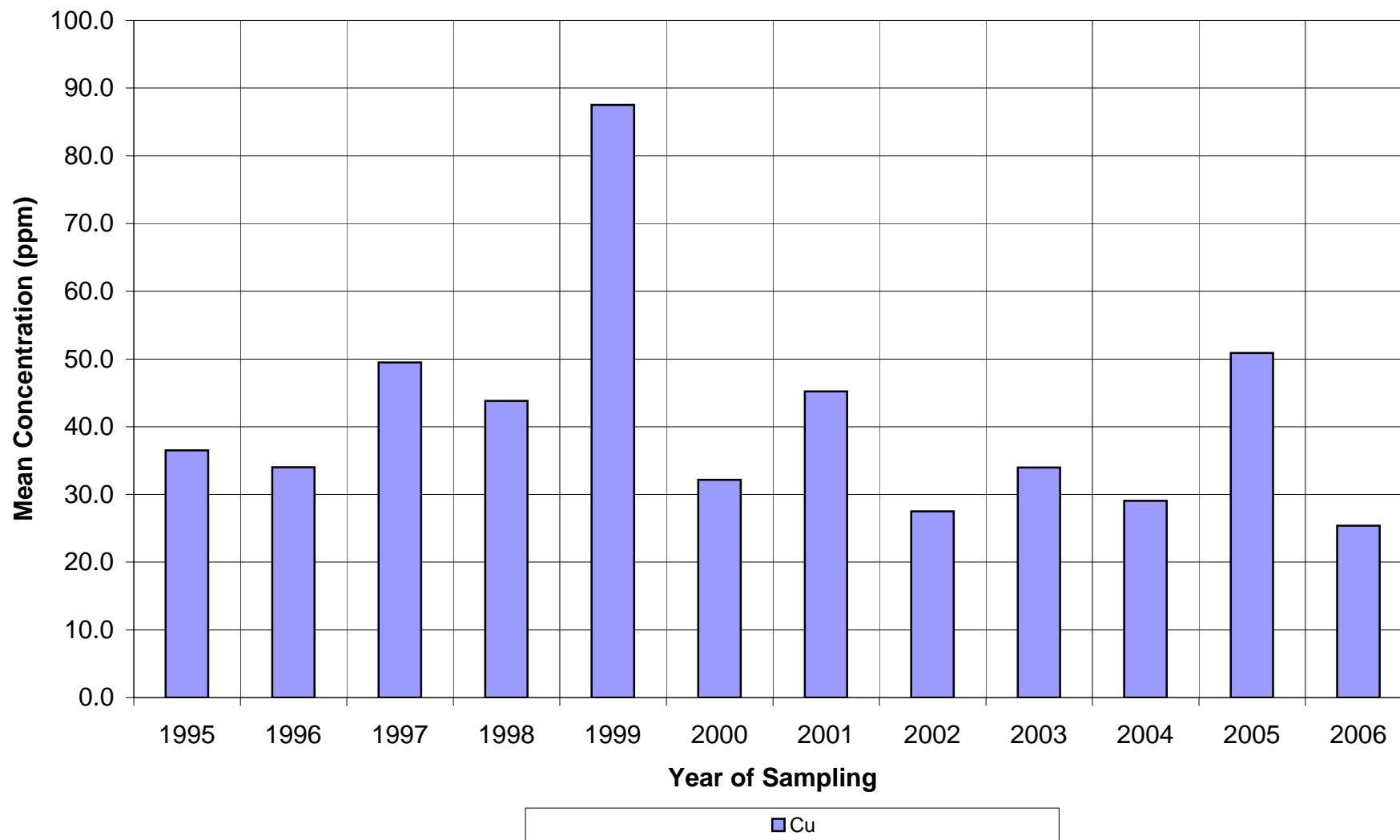


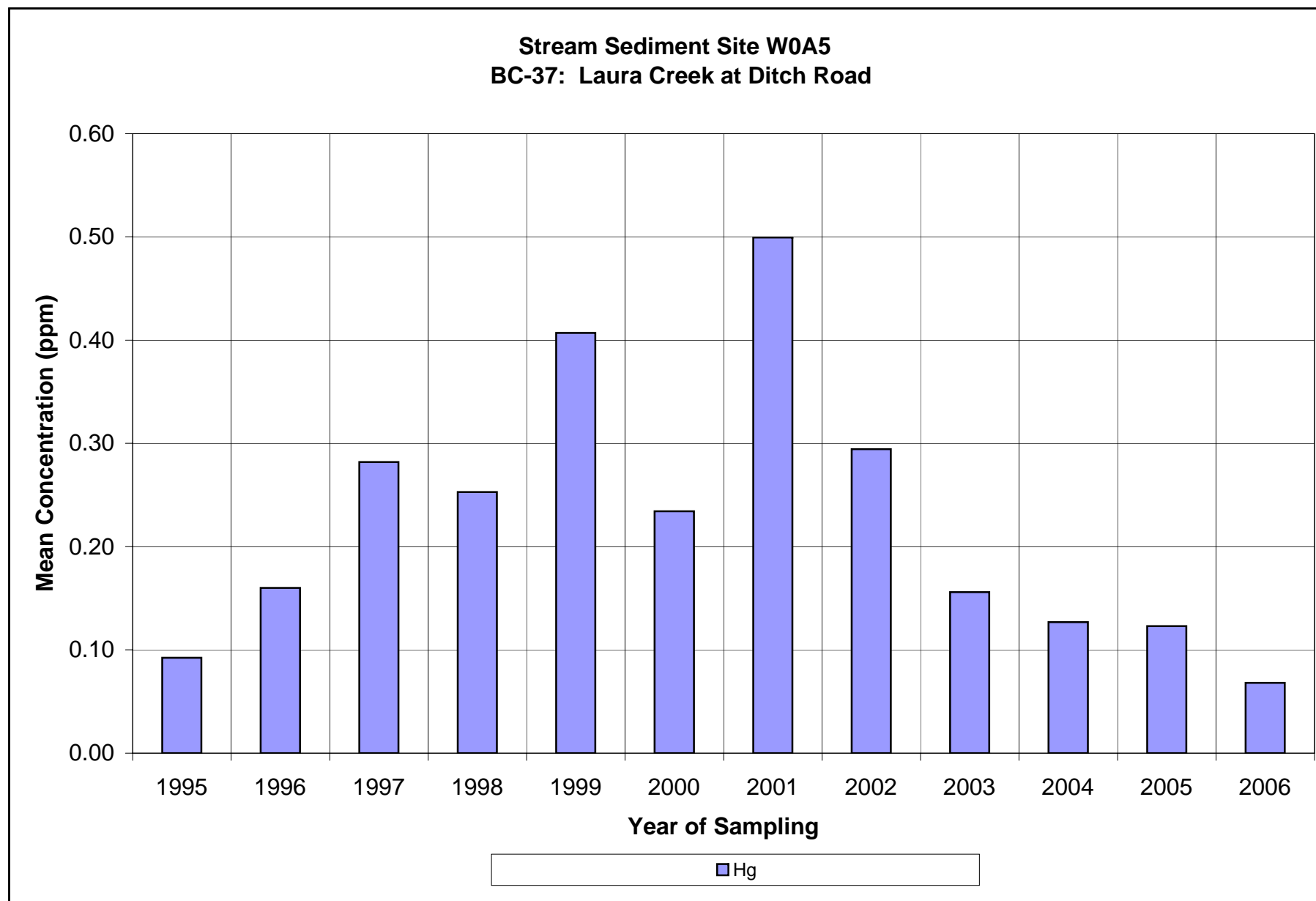


**Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road**

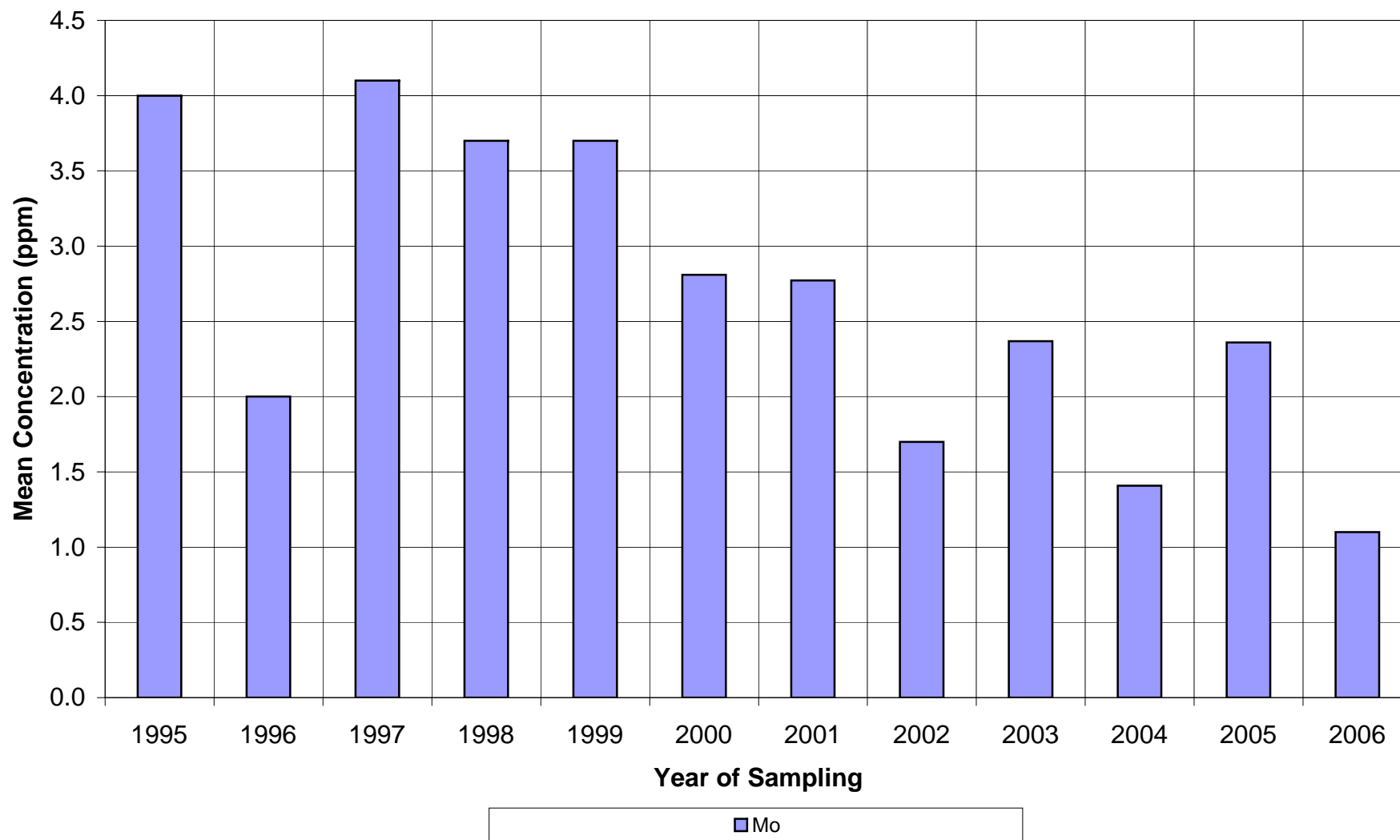


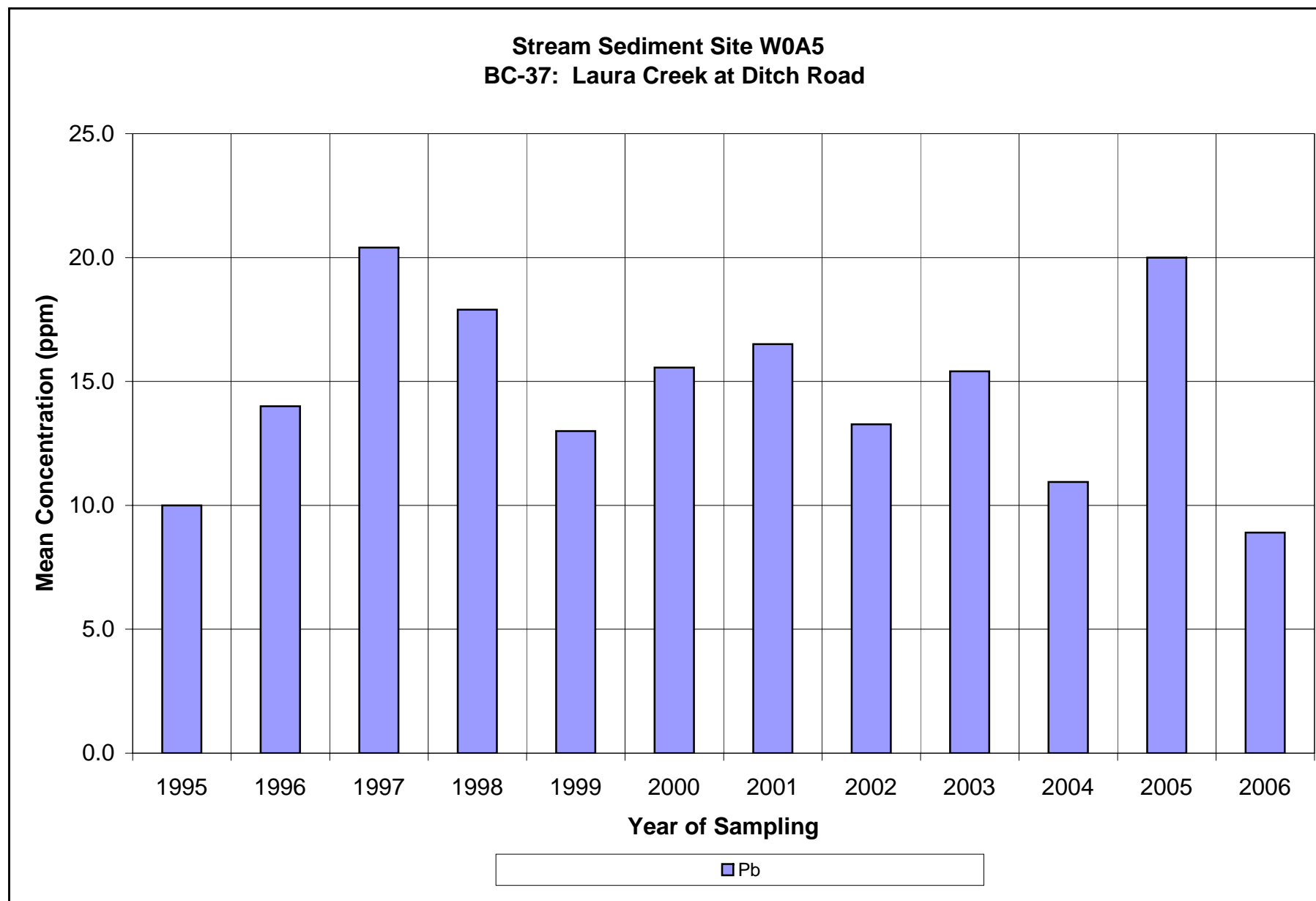
**Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road**



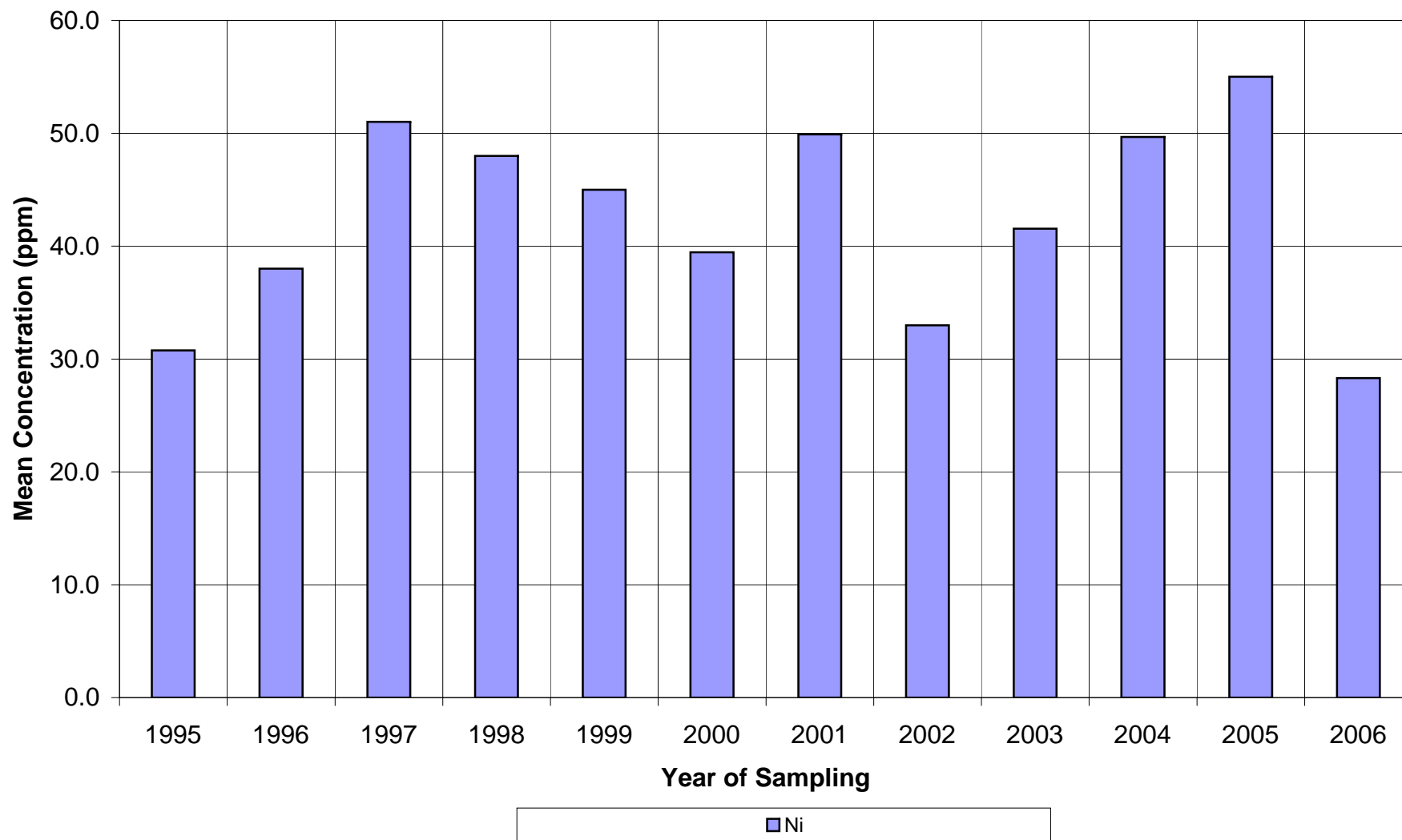


**Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road**

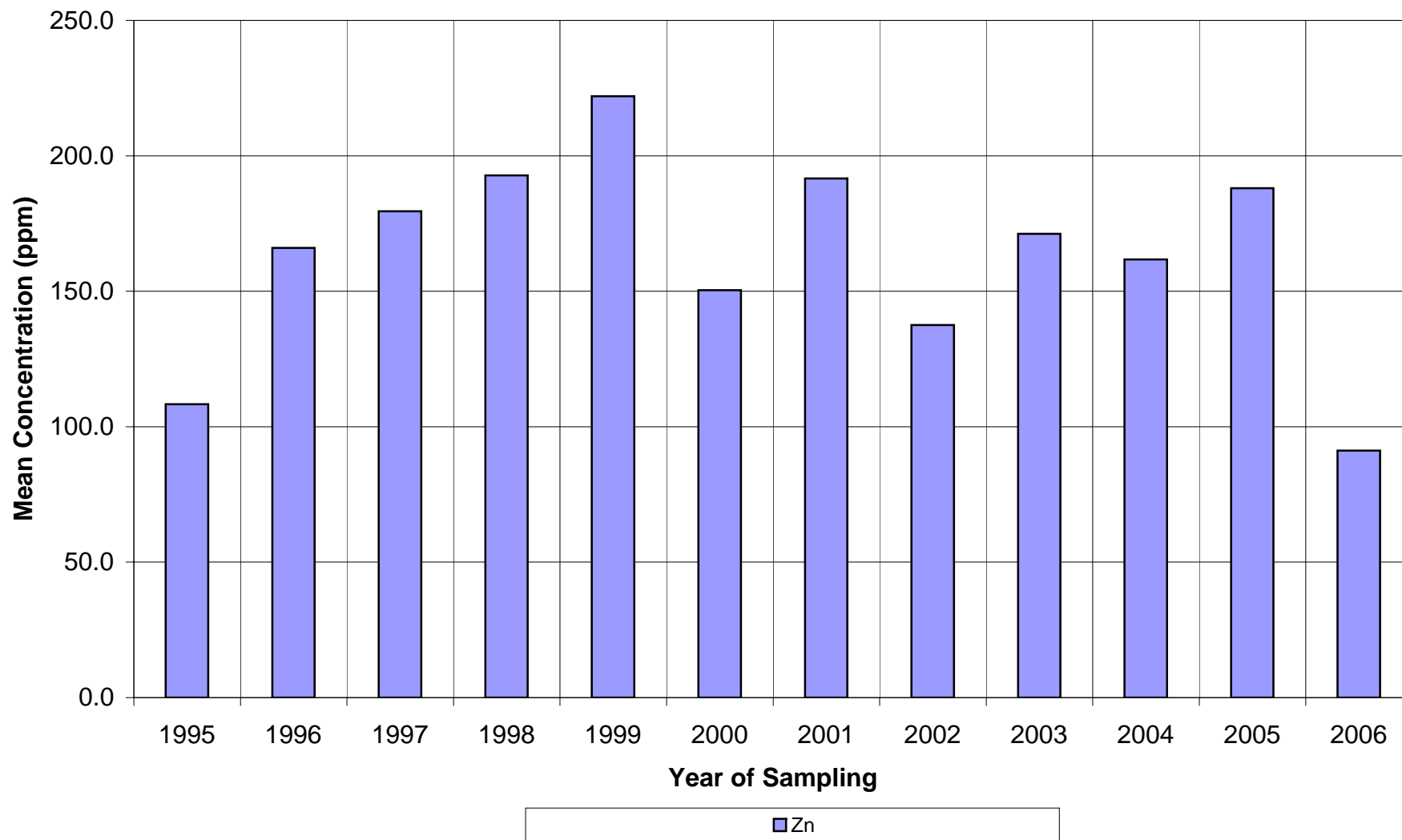




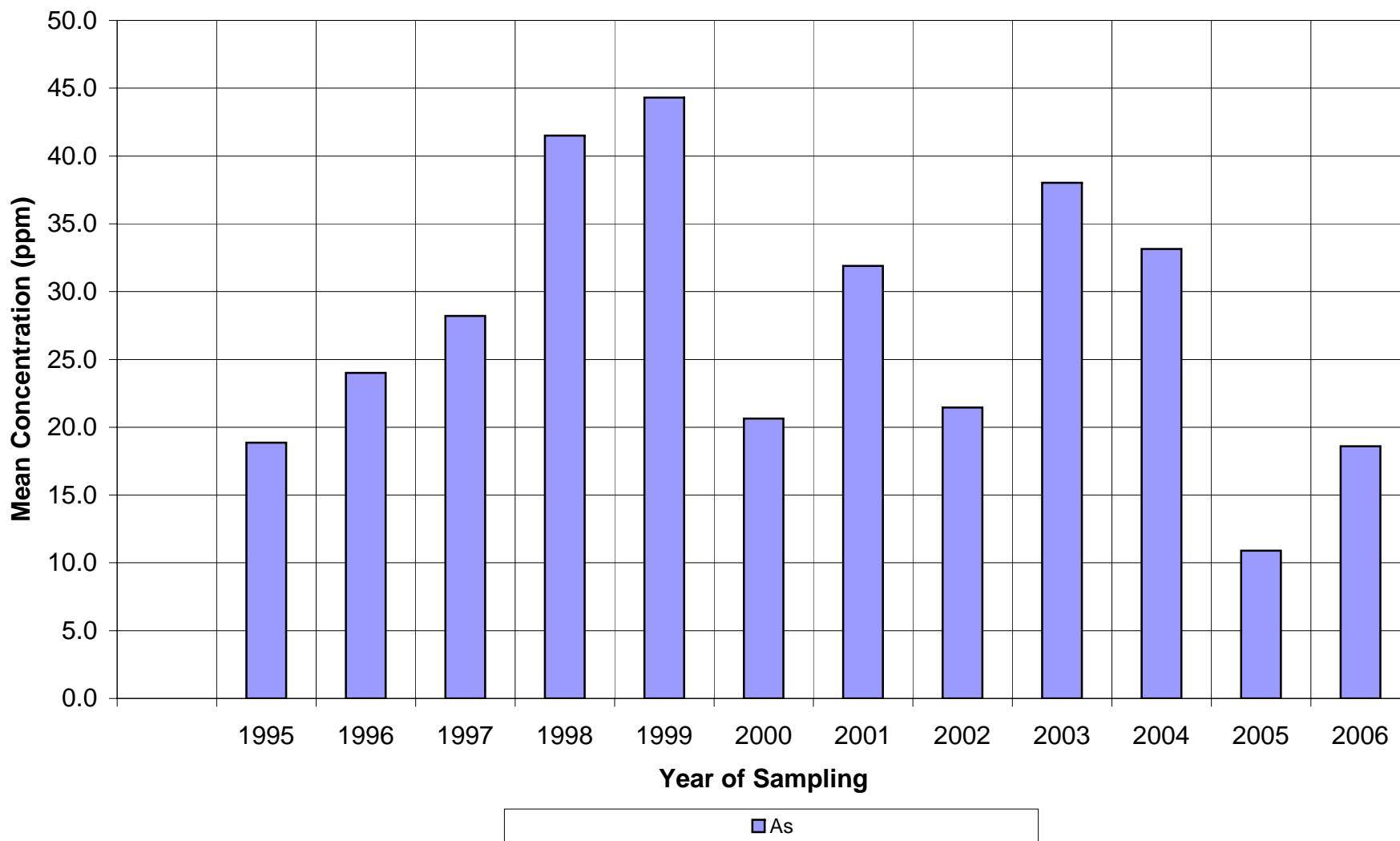
**Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road**

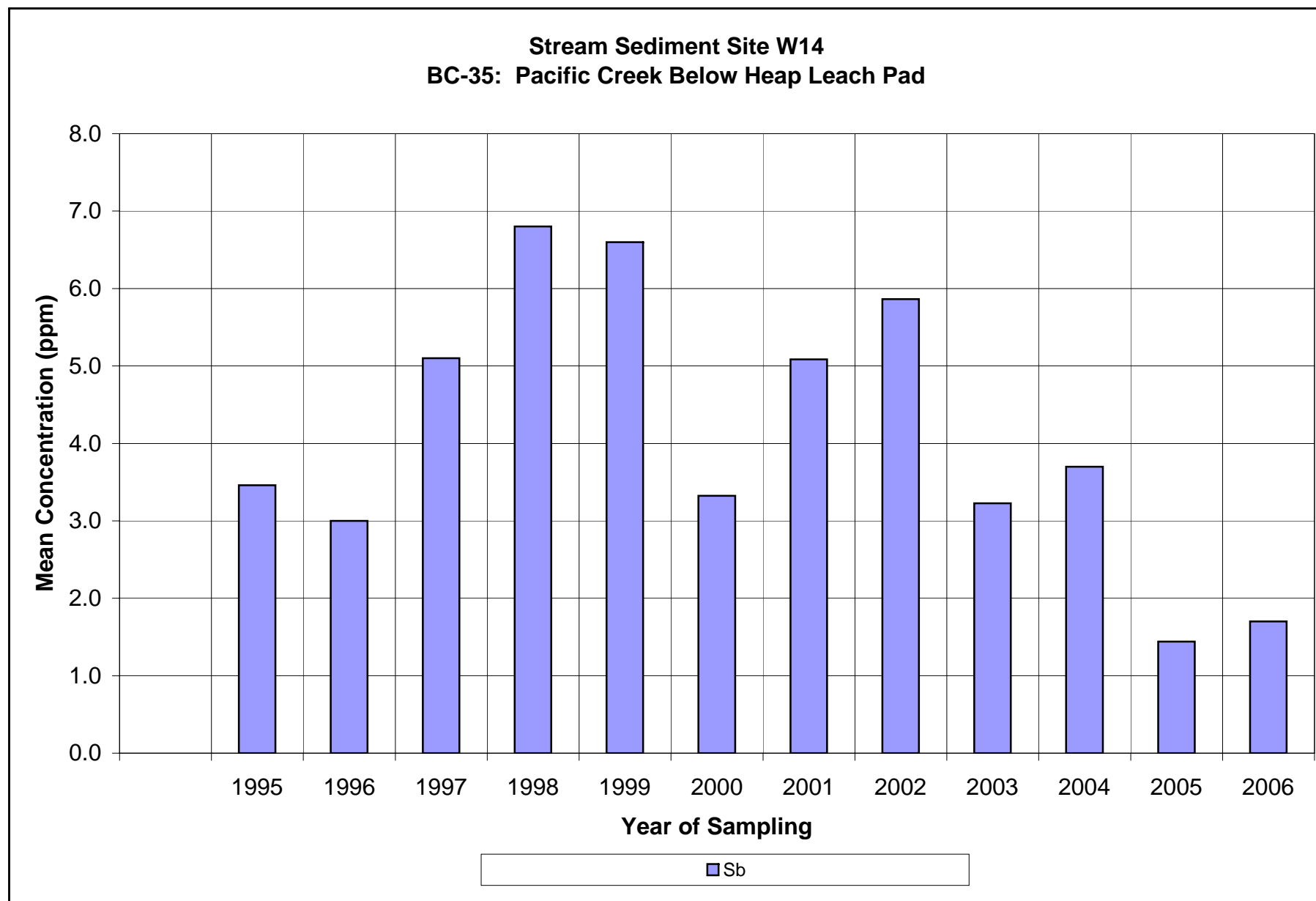


**Stream Sediment Site W0A5
BC-37: Laura Creek at Ditch Road**

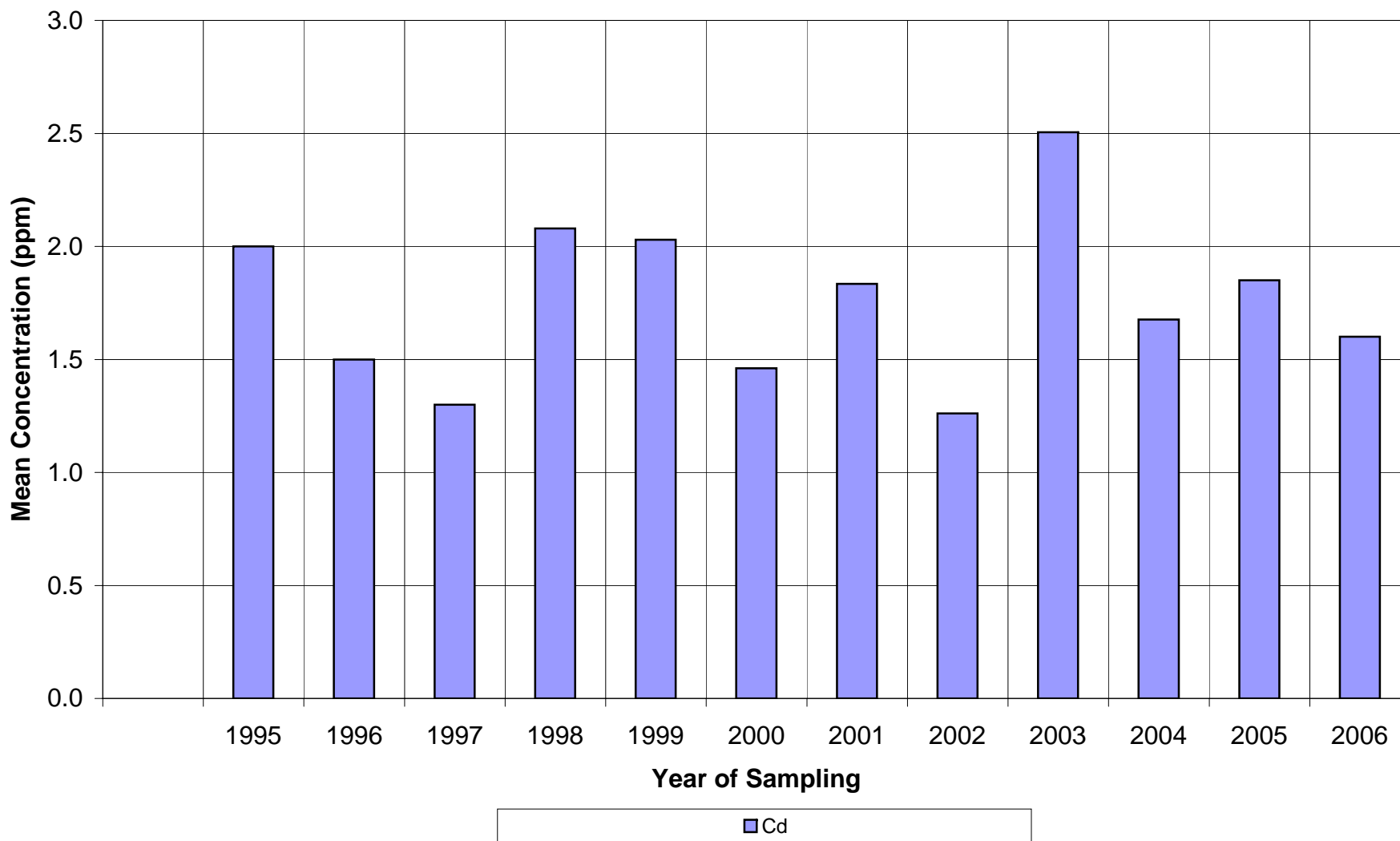


**Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad**

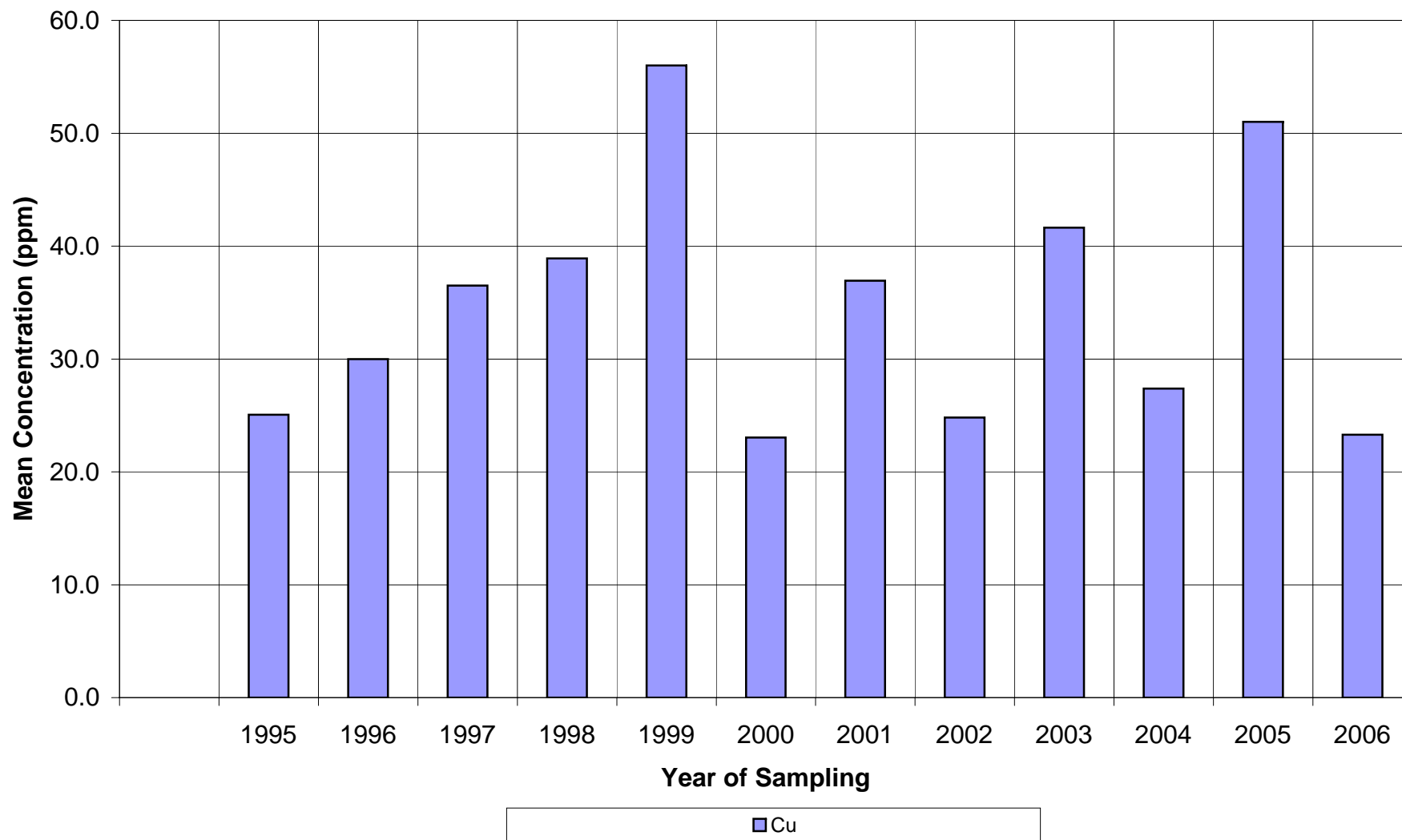




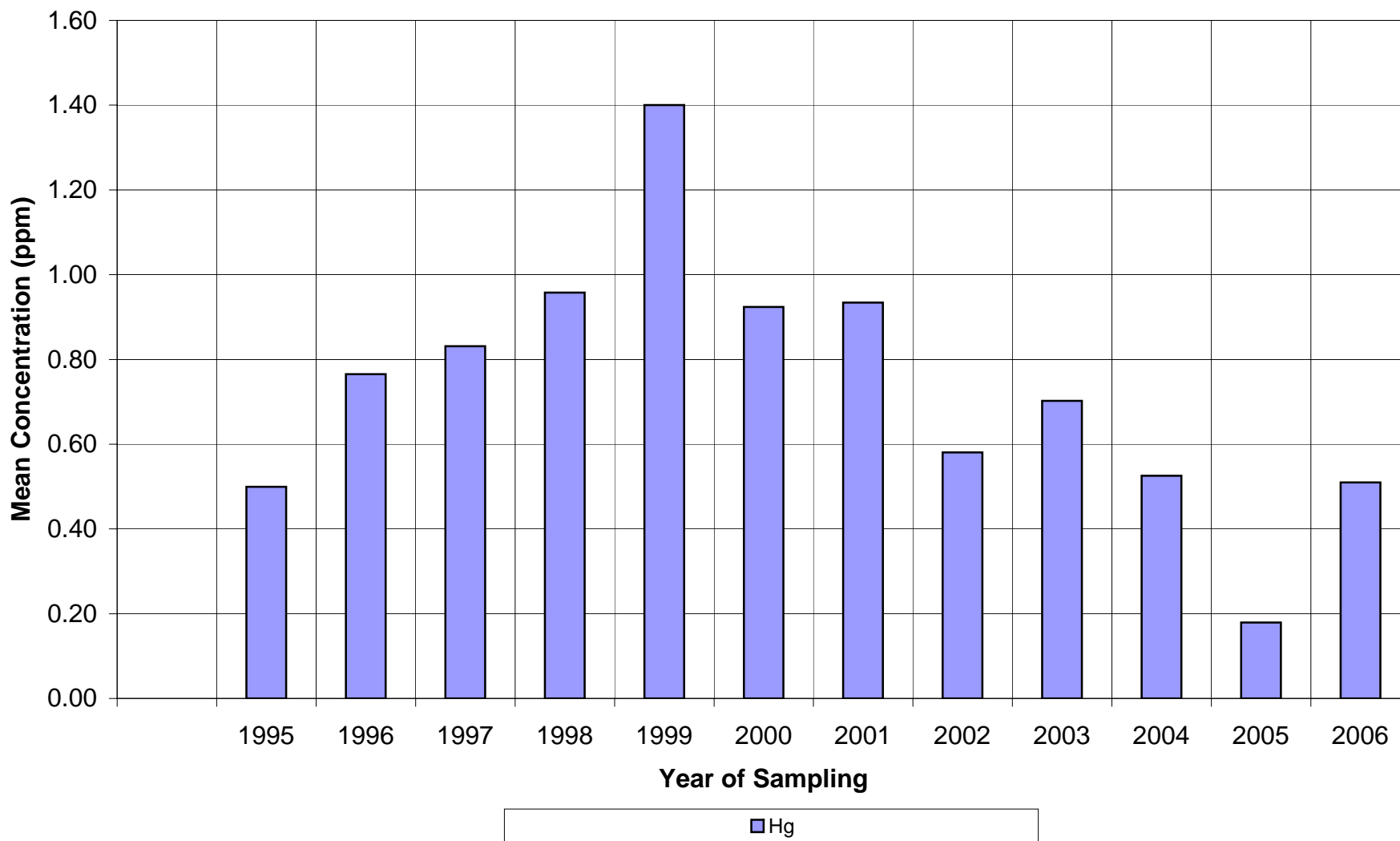
Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad



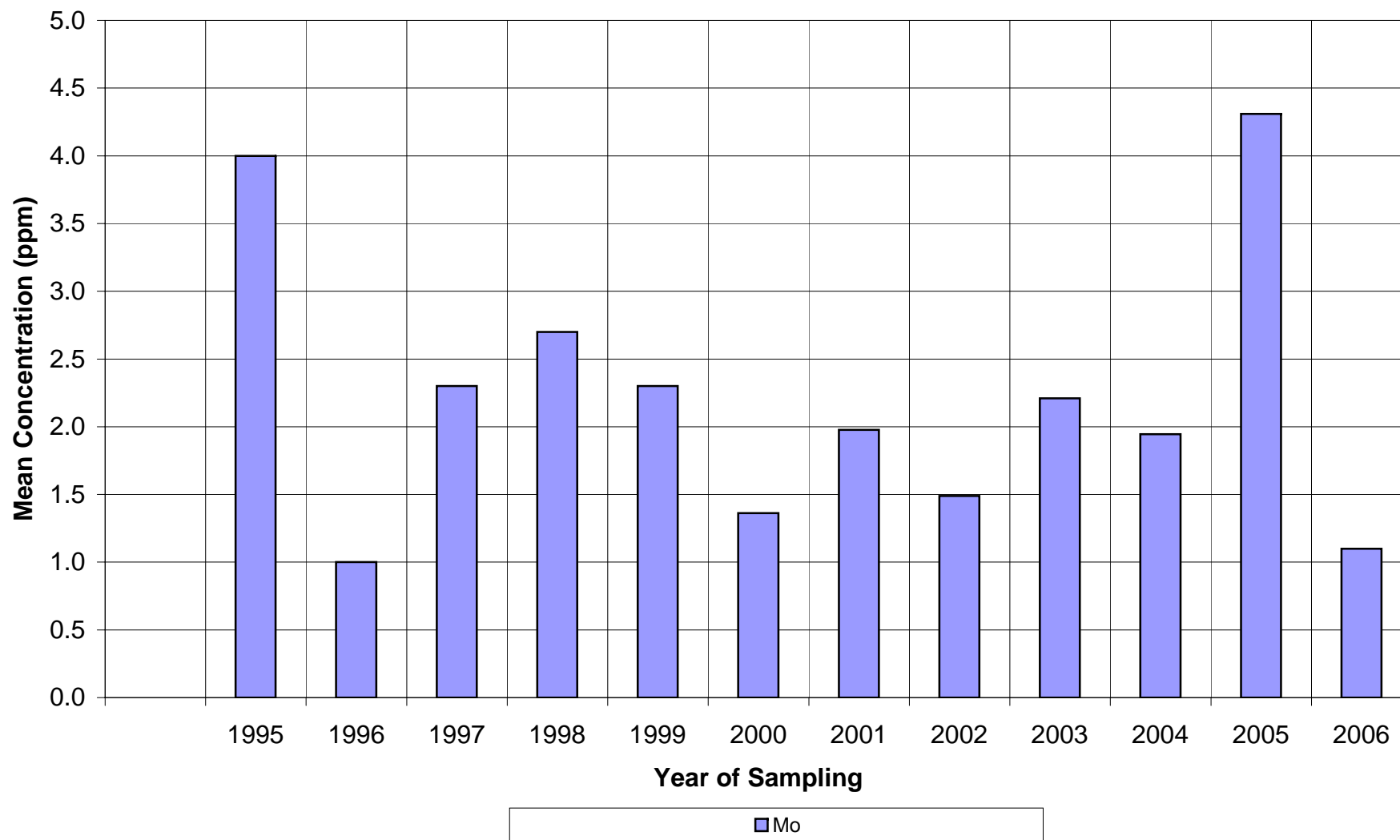
**Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad**



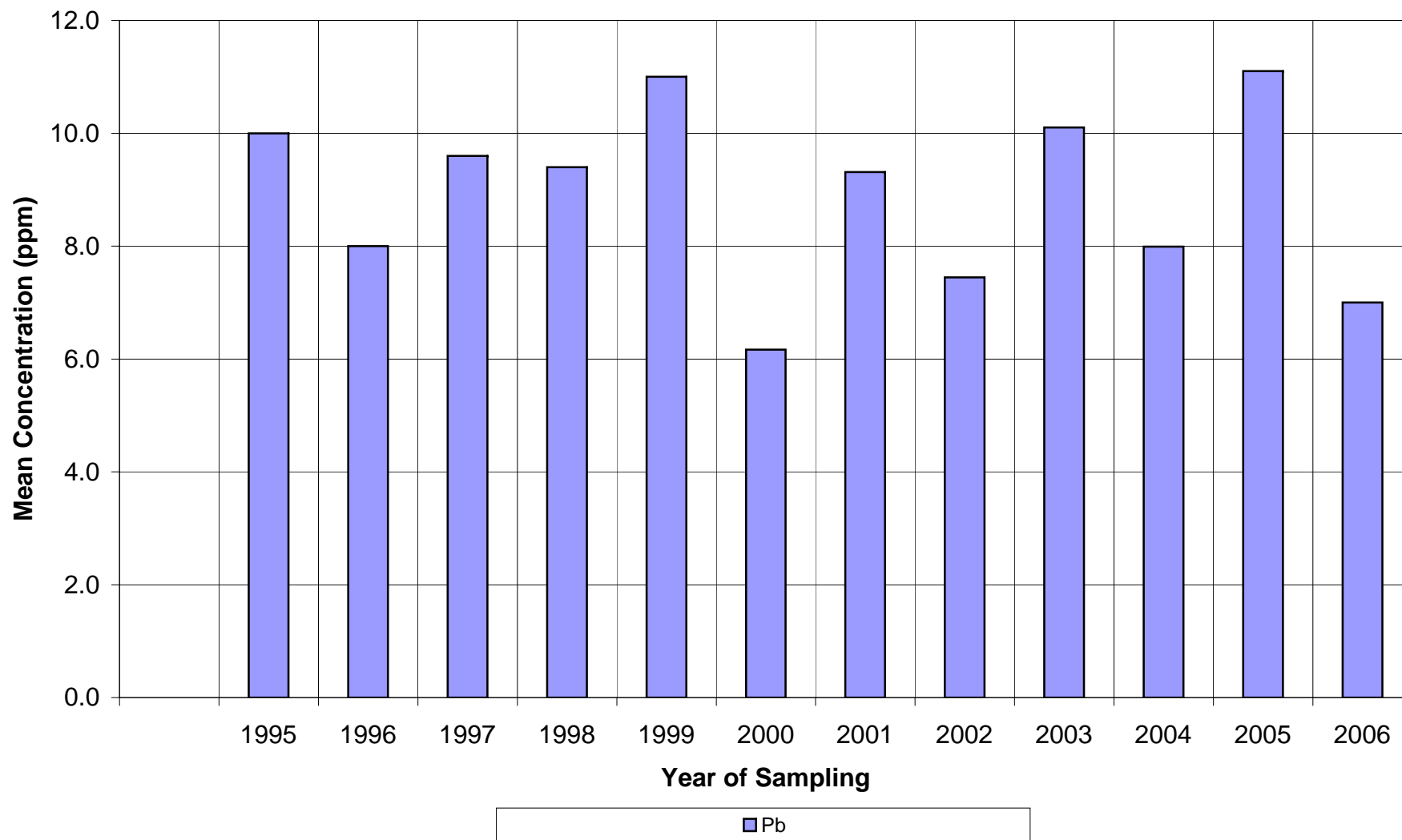
**Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad**



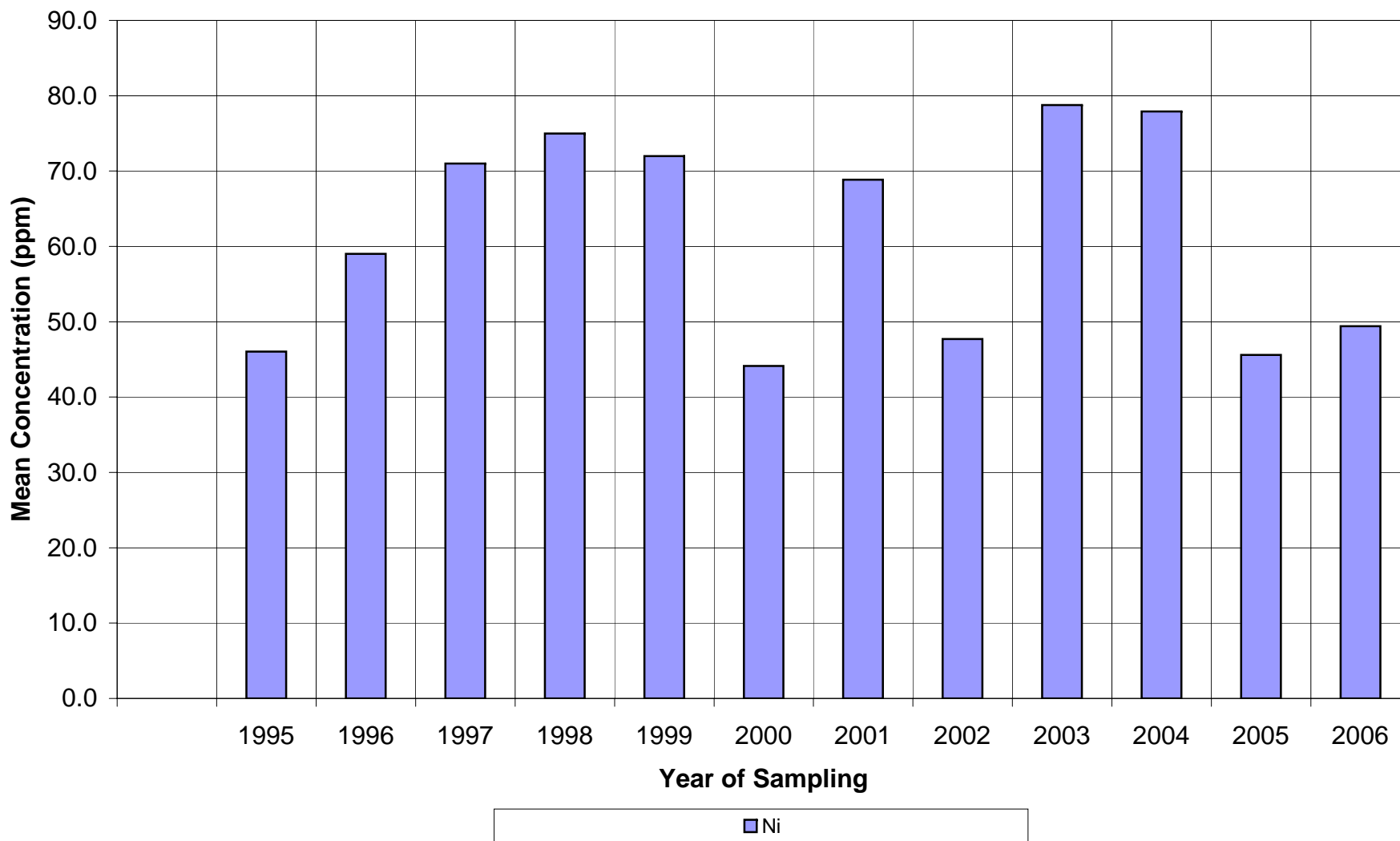
Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad



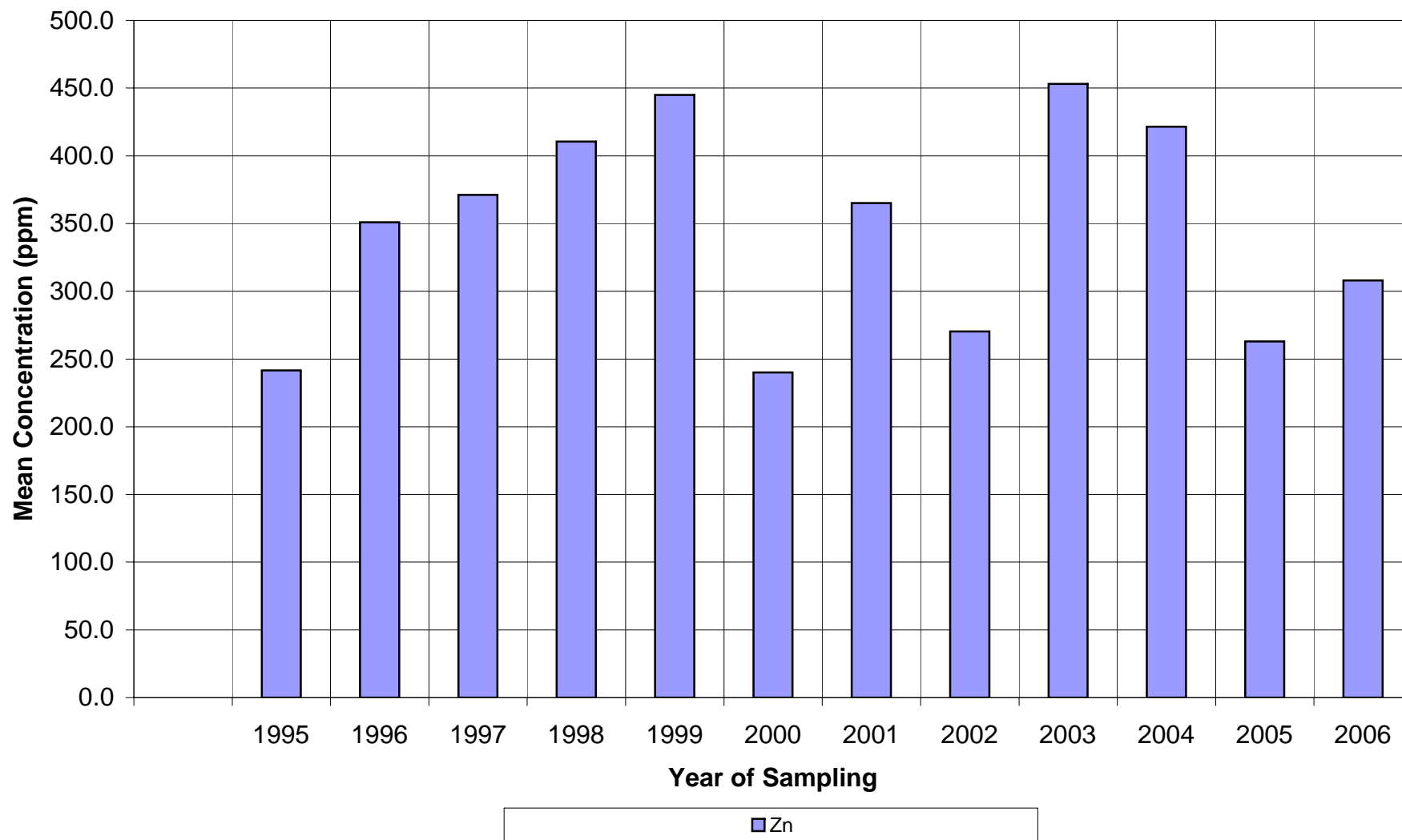
**Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad**



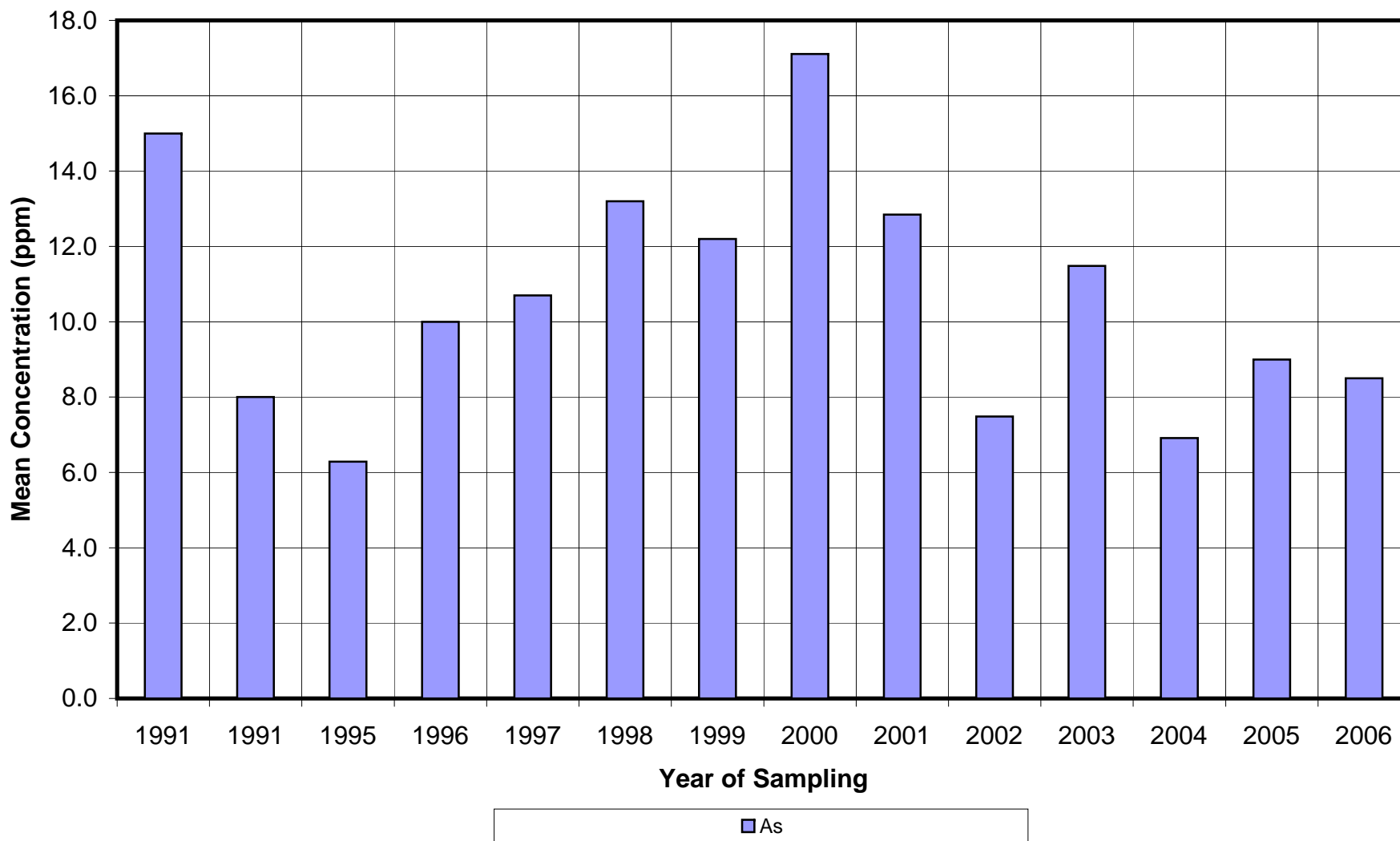
**Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad**

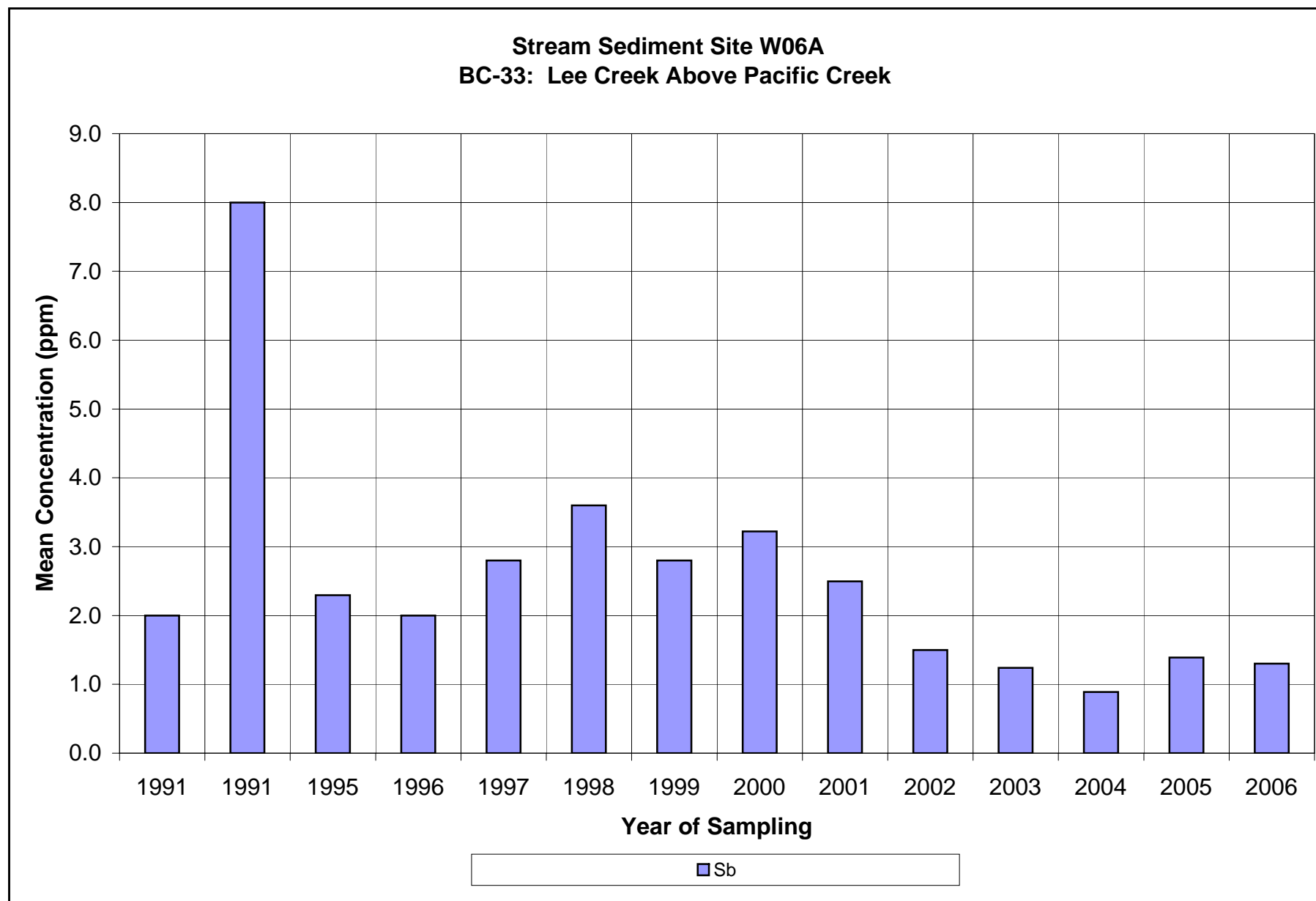


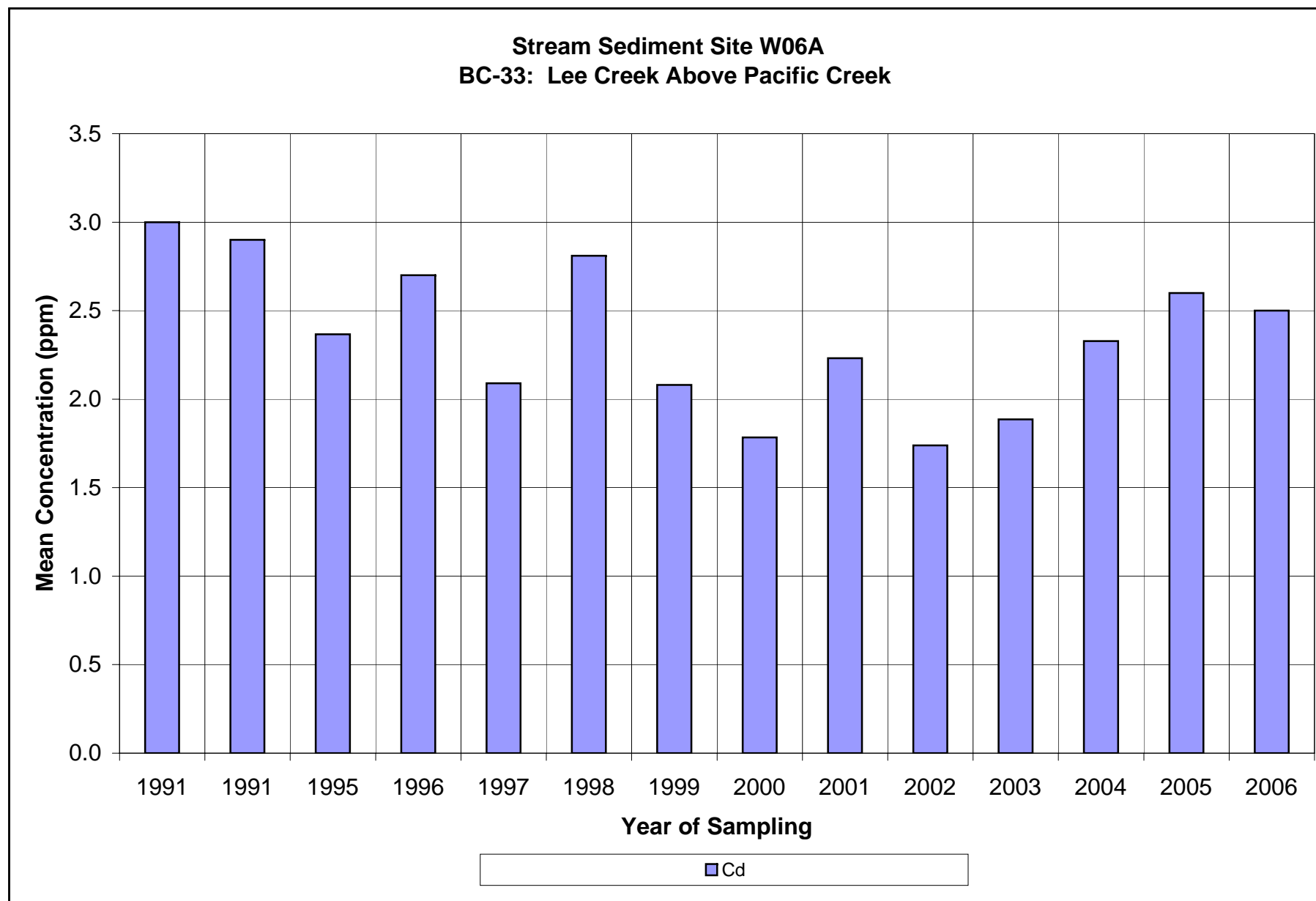
**Stream Sediment Site W14
BC-35: Pacific Creek Below Heap Leach Pad**

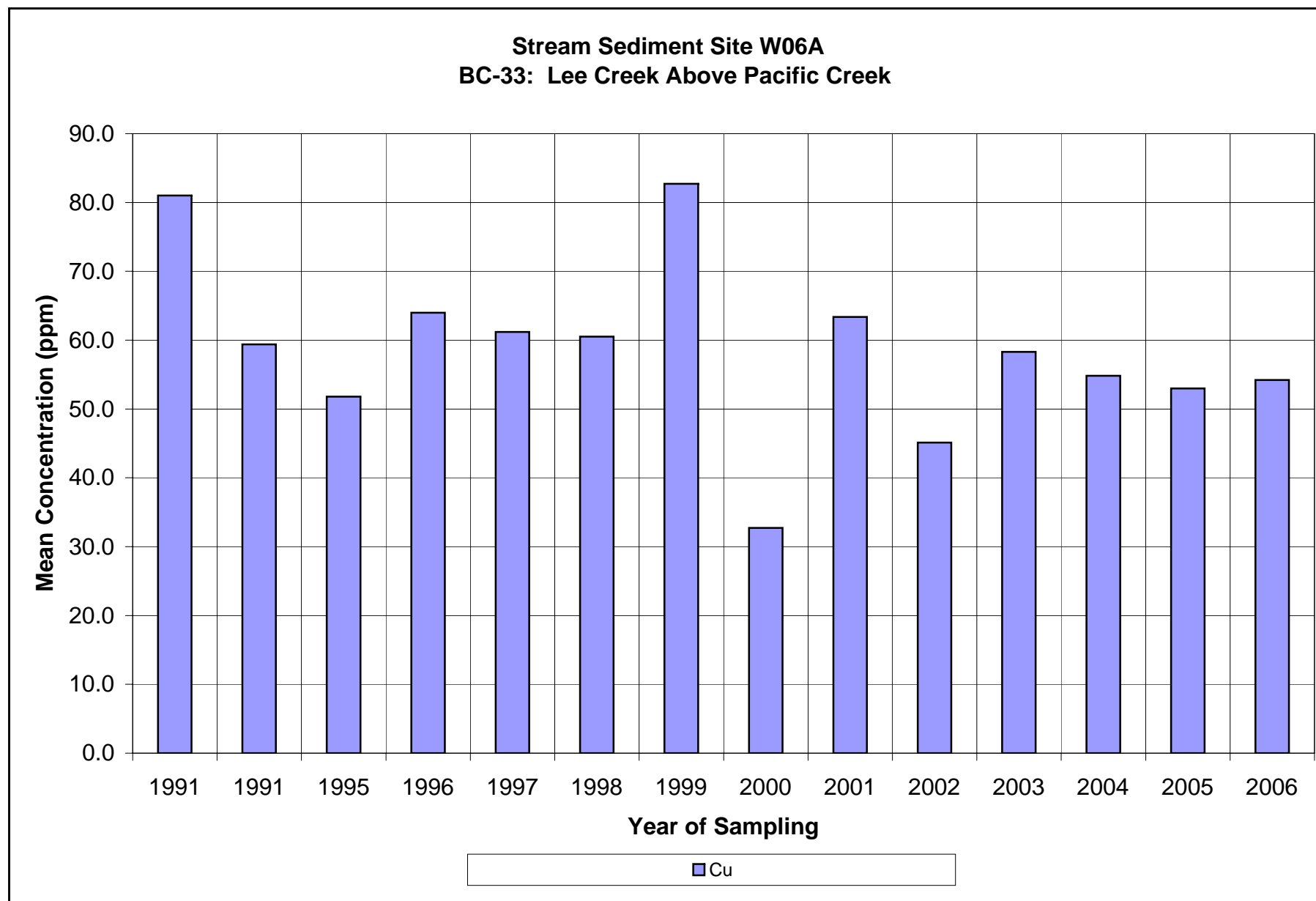


Stream Sediment Site W06A
BC-33: Lee Creek Above Pacific Creek

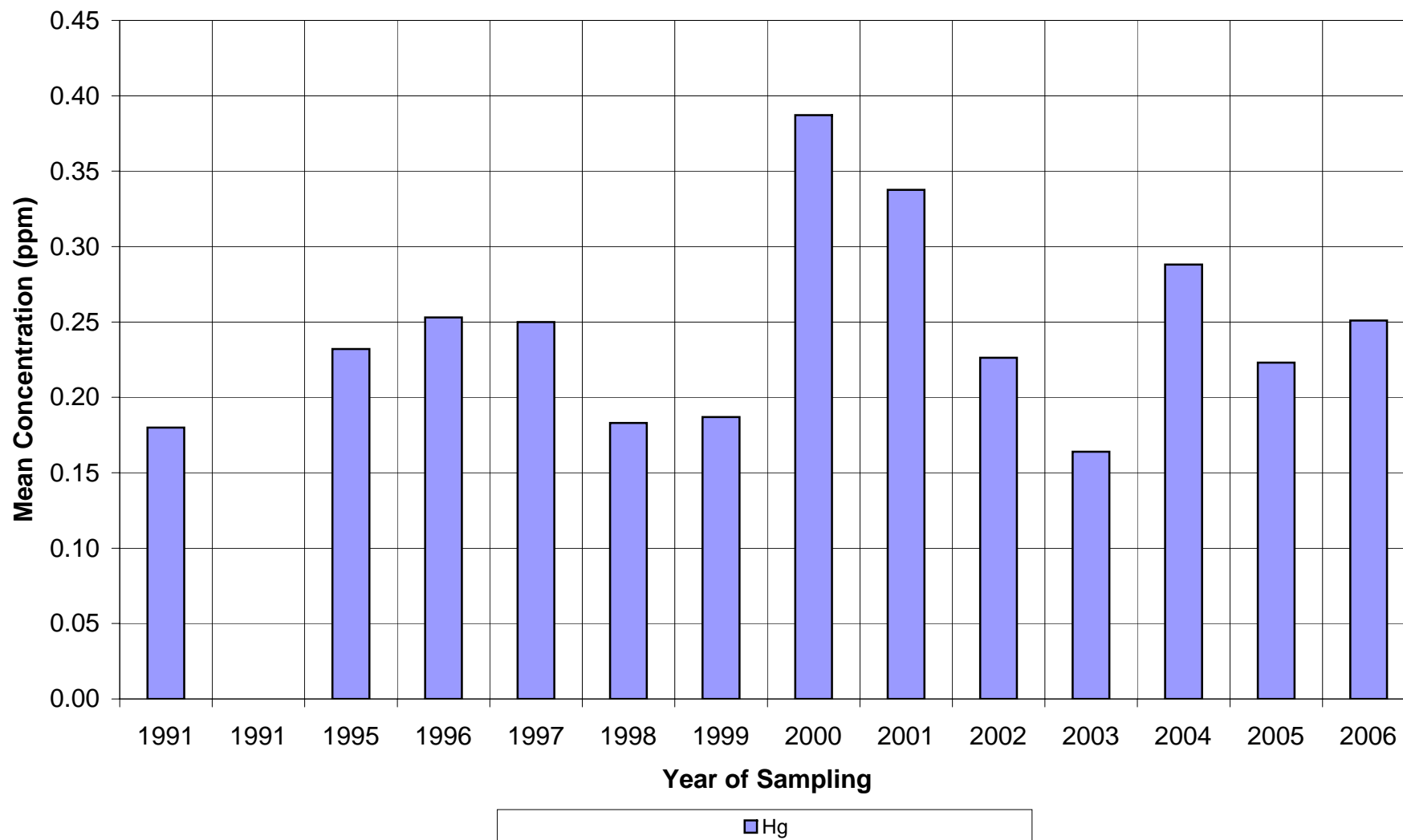




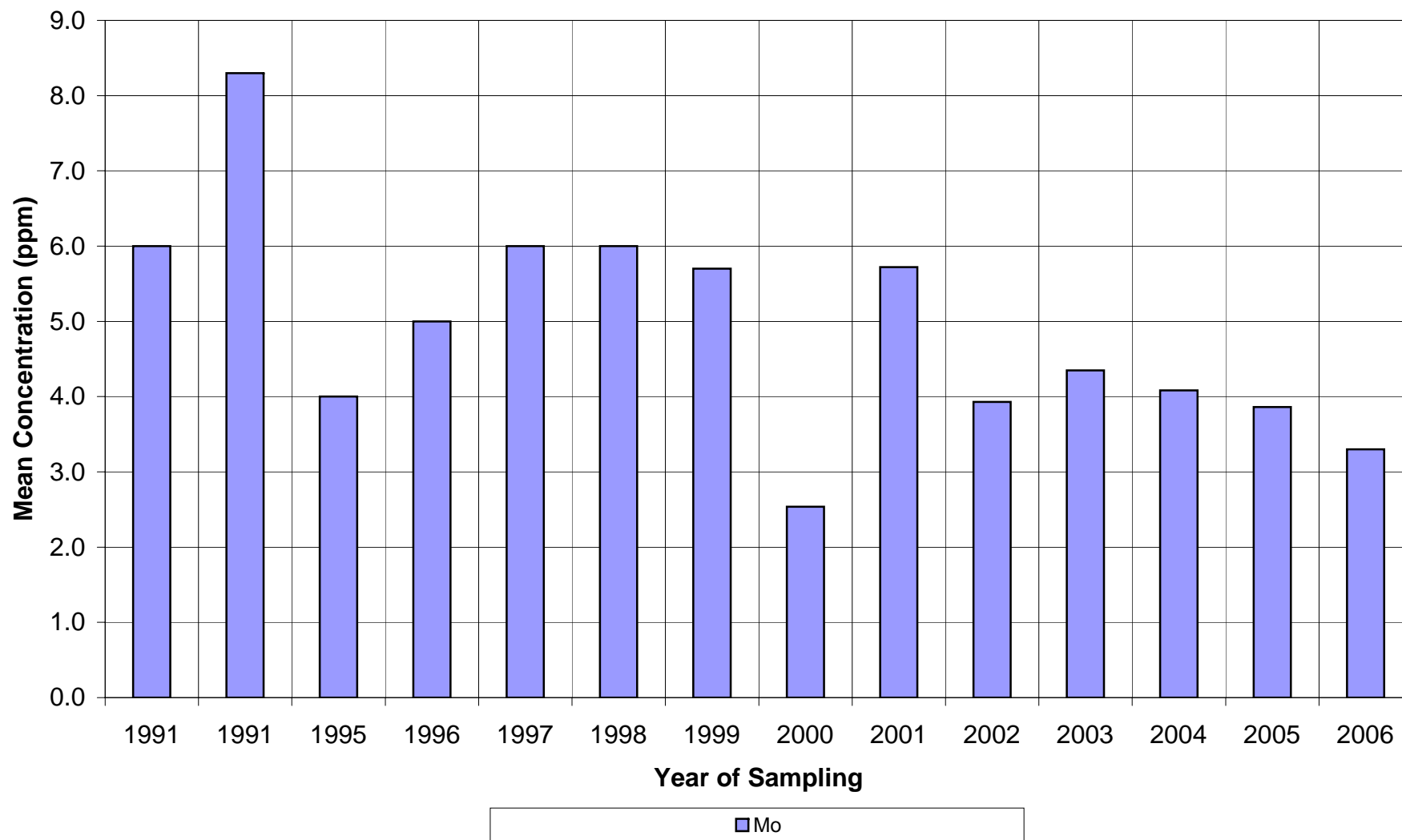


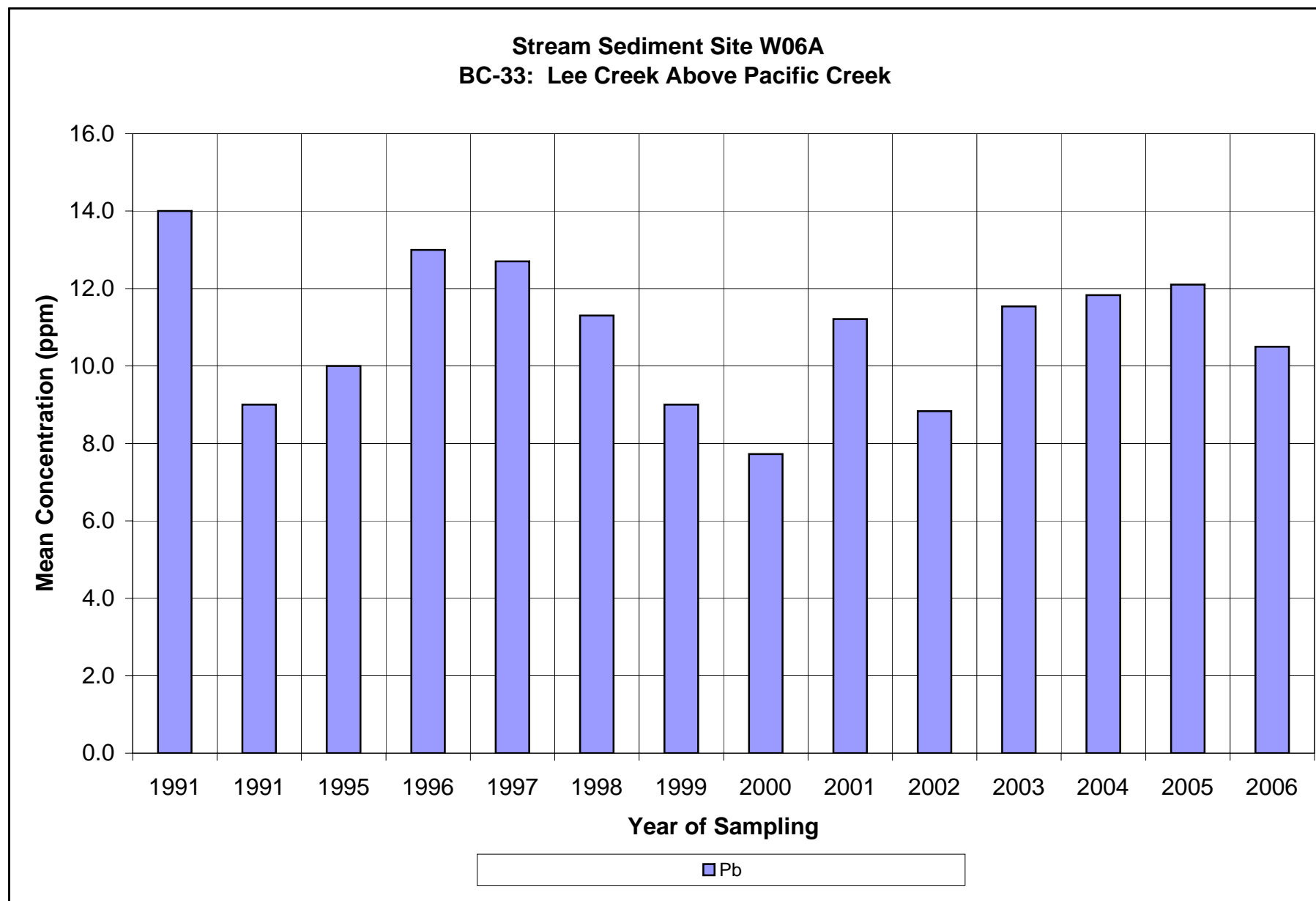


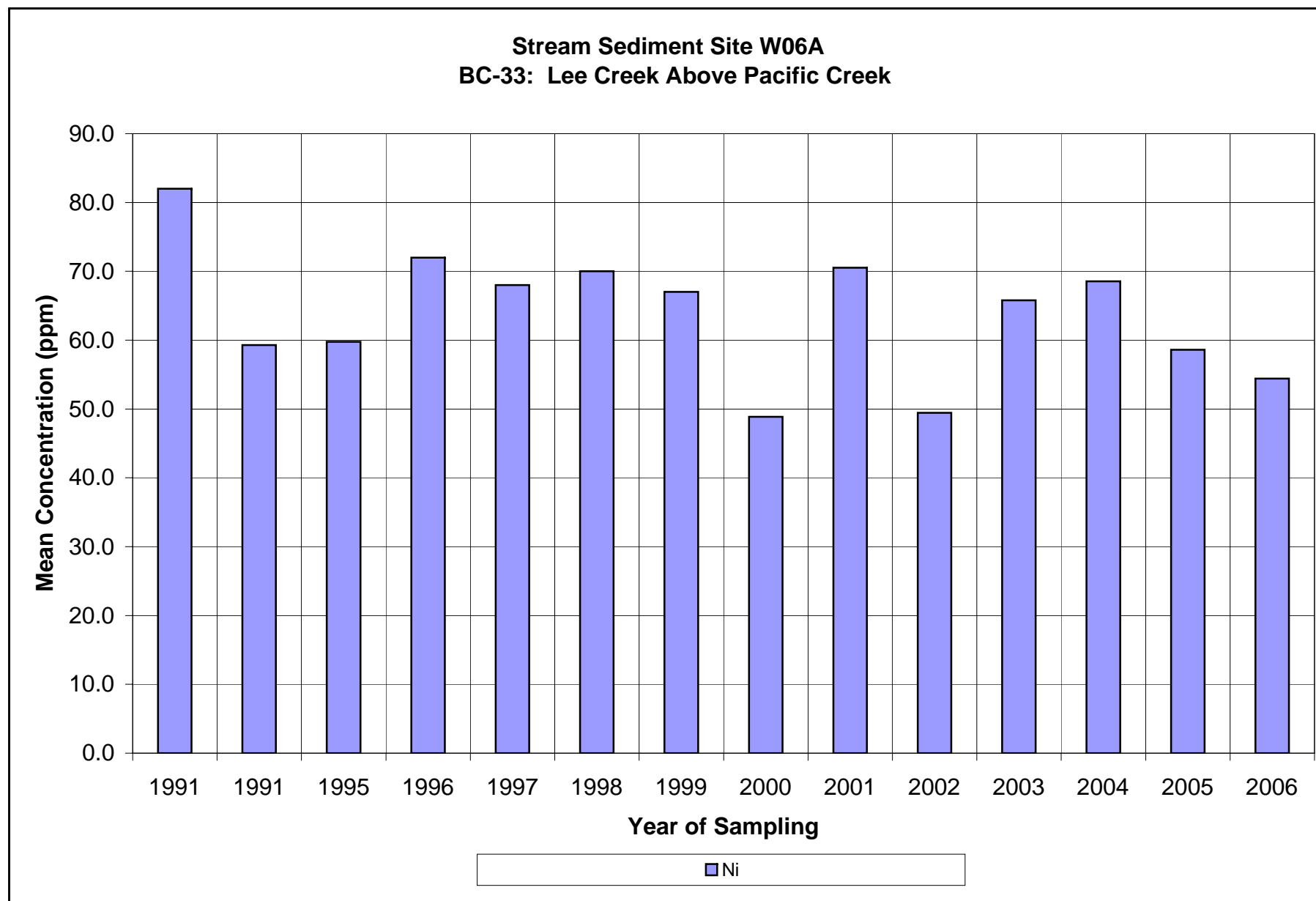
Stream Sediment Site W06A
BC-33: Lee Creek Above Pacific Creek



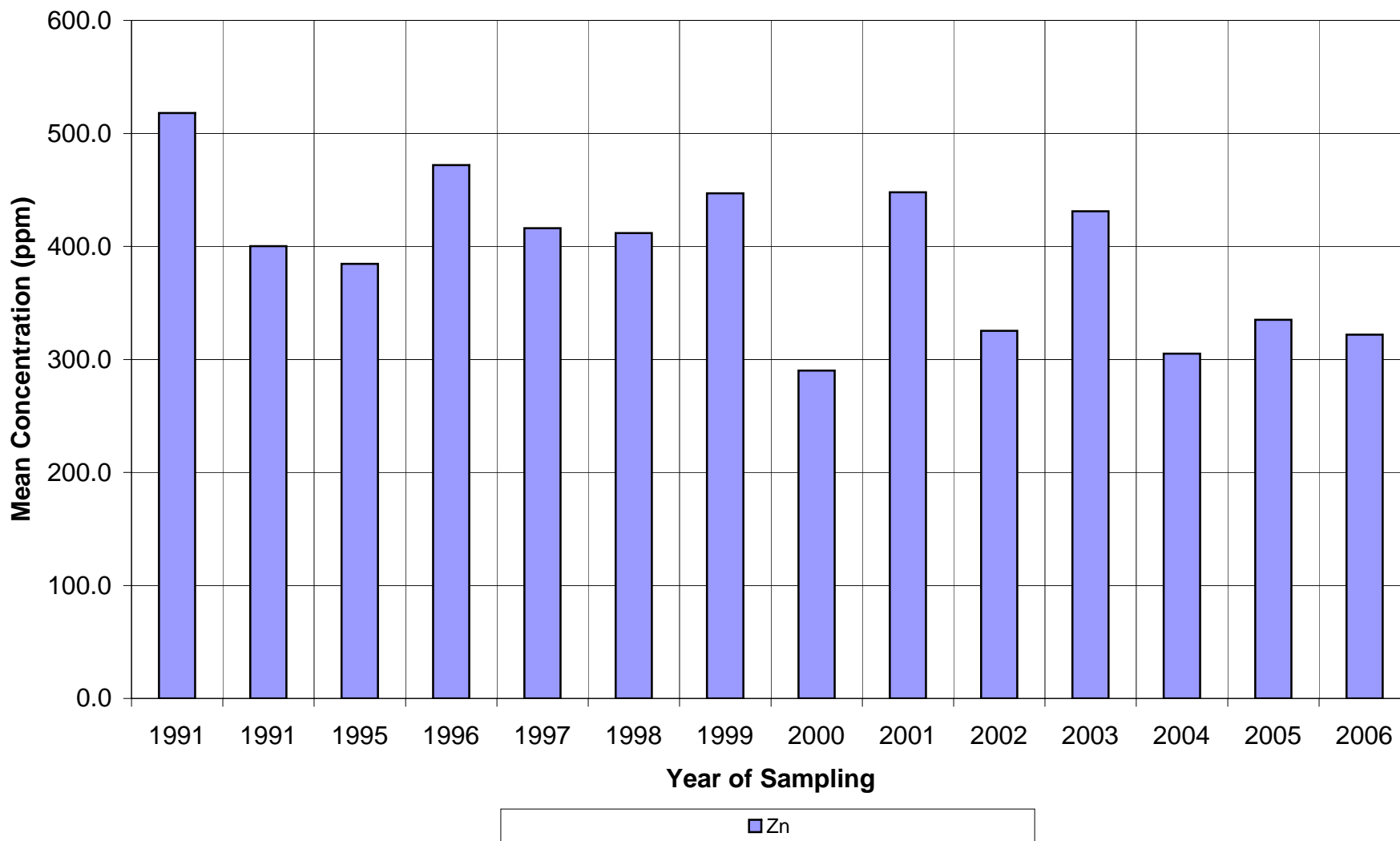
**Stream Sediment Site W06A
BC-33: Lee Creek Above Pacific Creek**



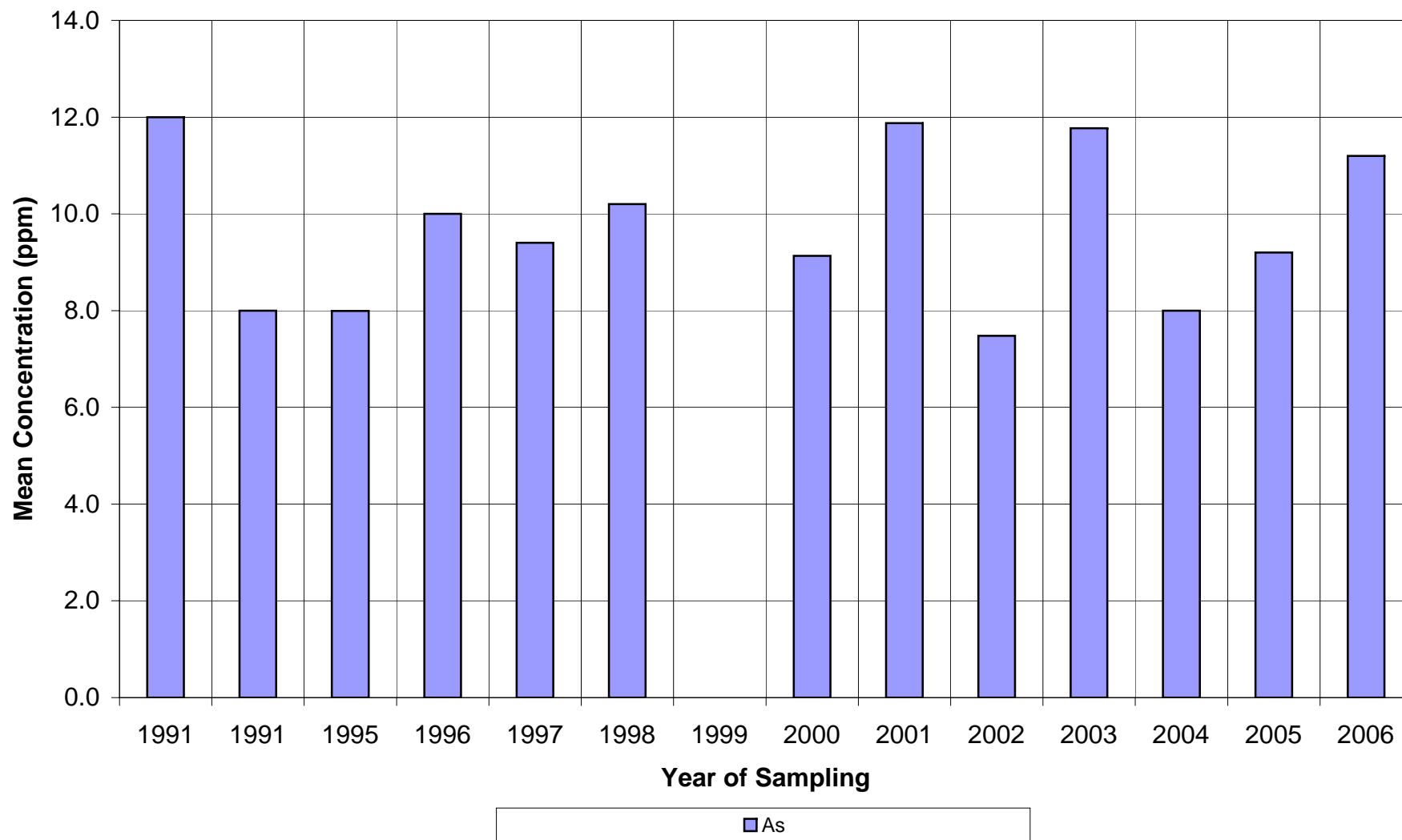


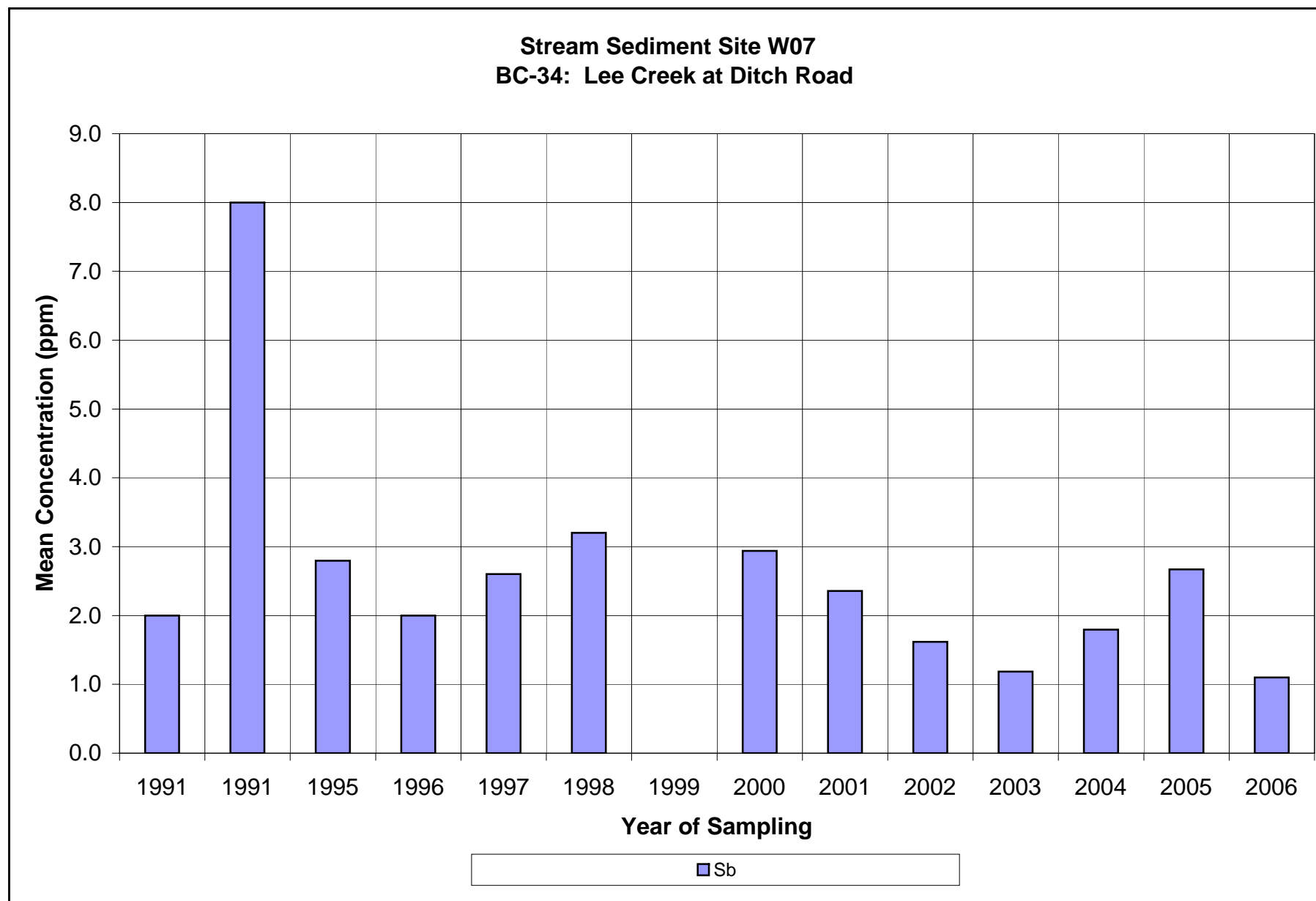


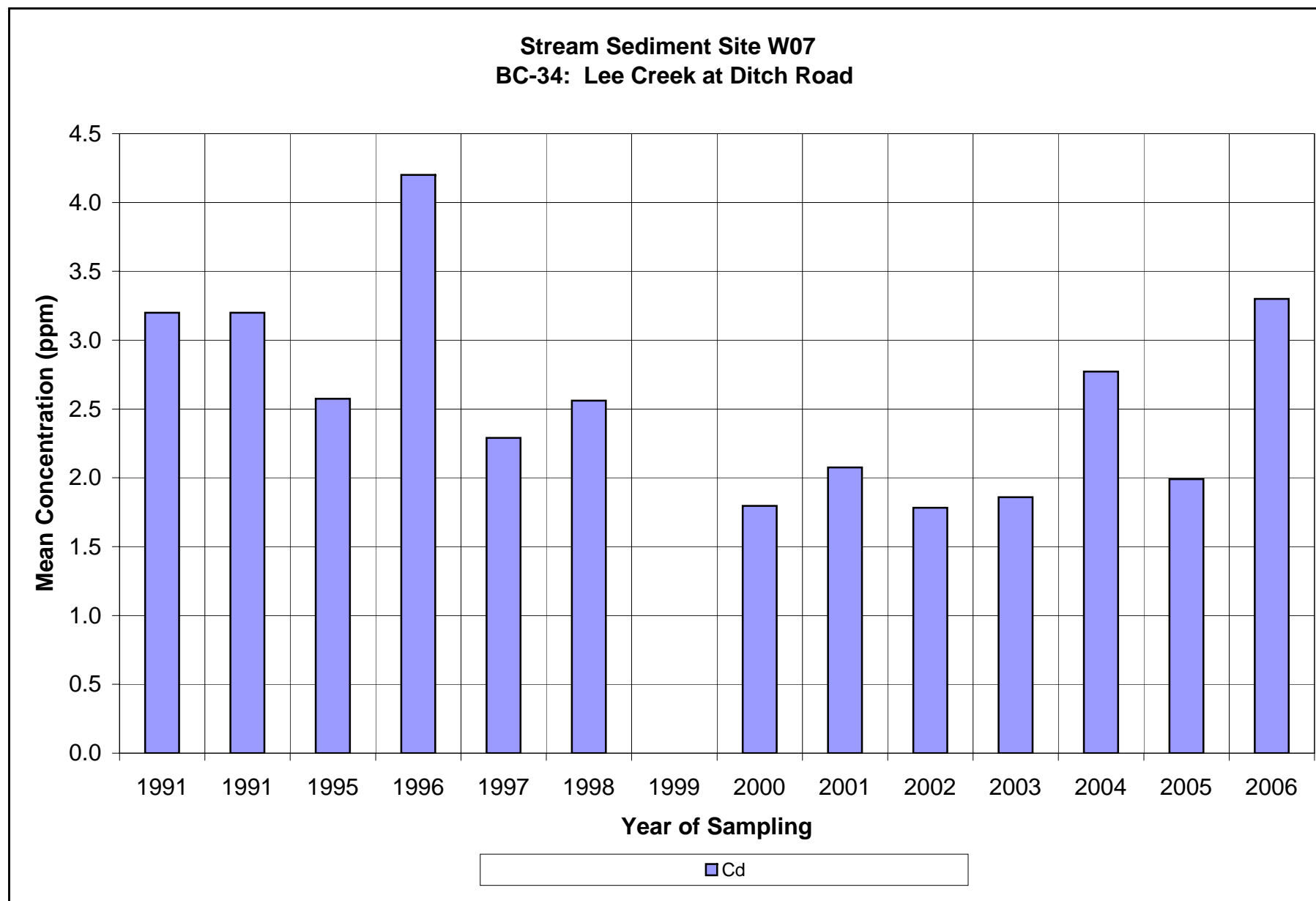
**Stream Sediment Site W06A
BC-33: Lee Creek Above Pacific Creek**

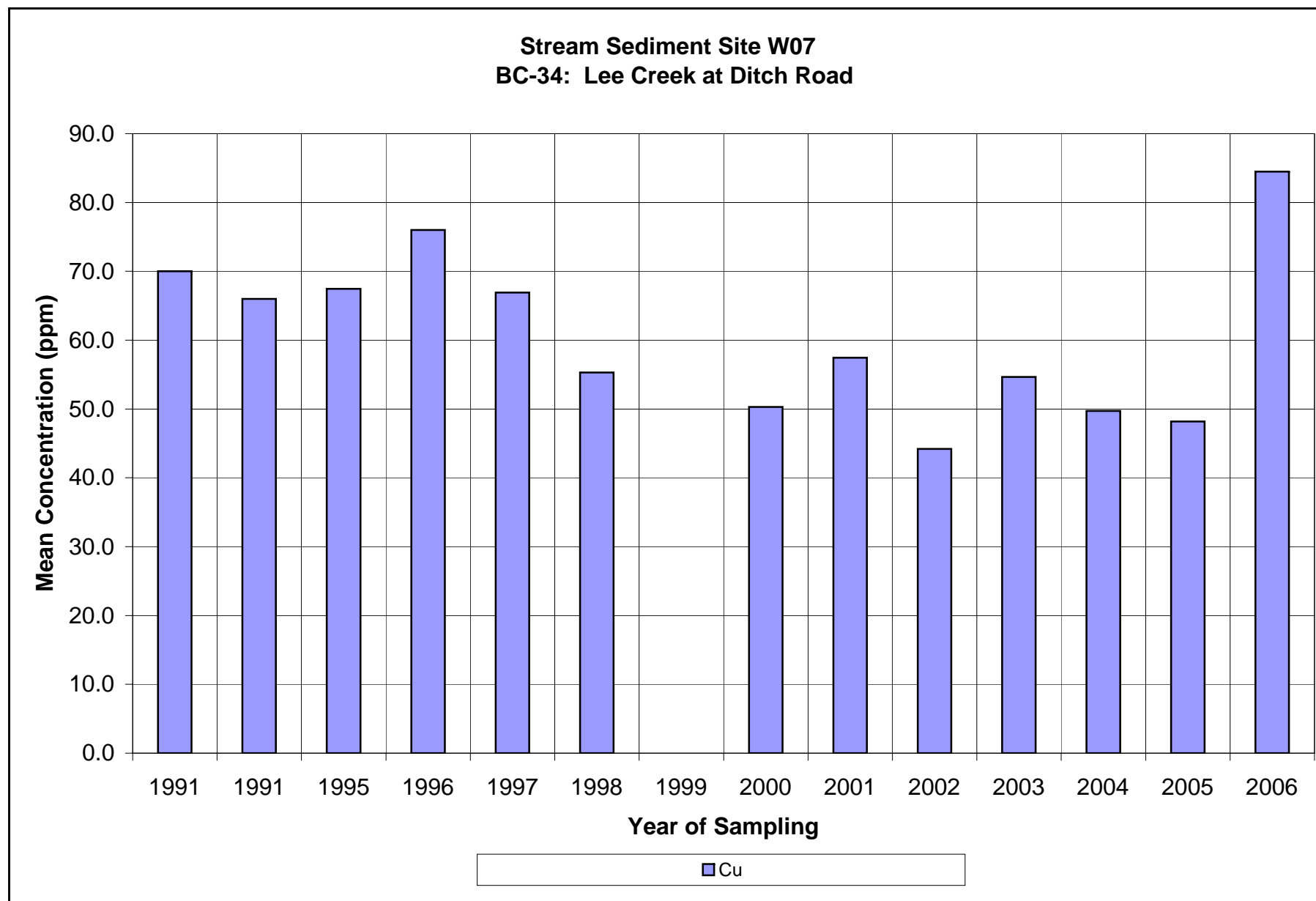


**Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road**

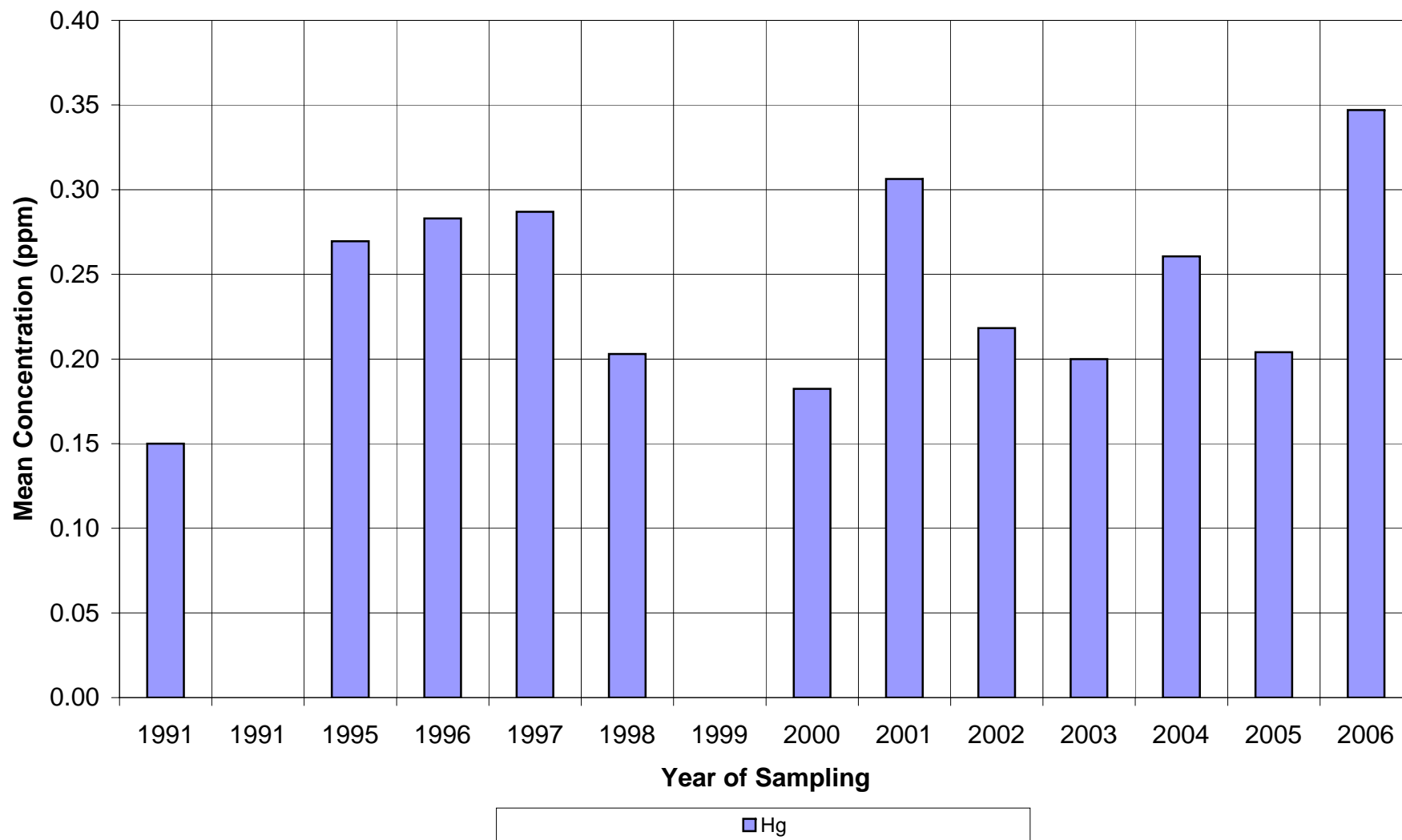




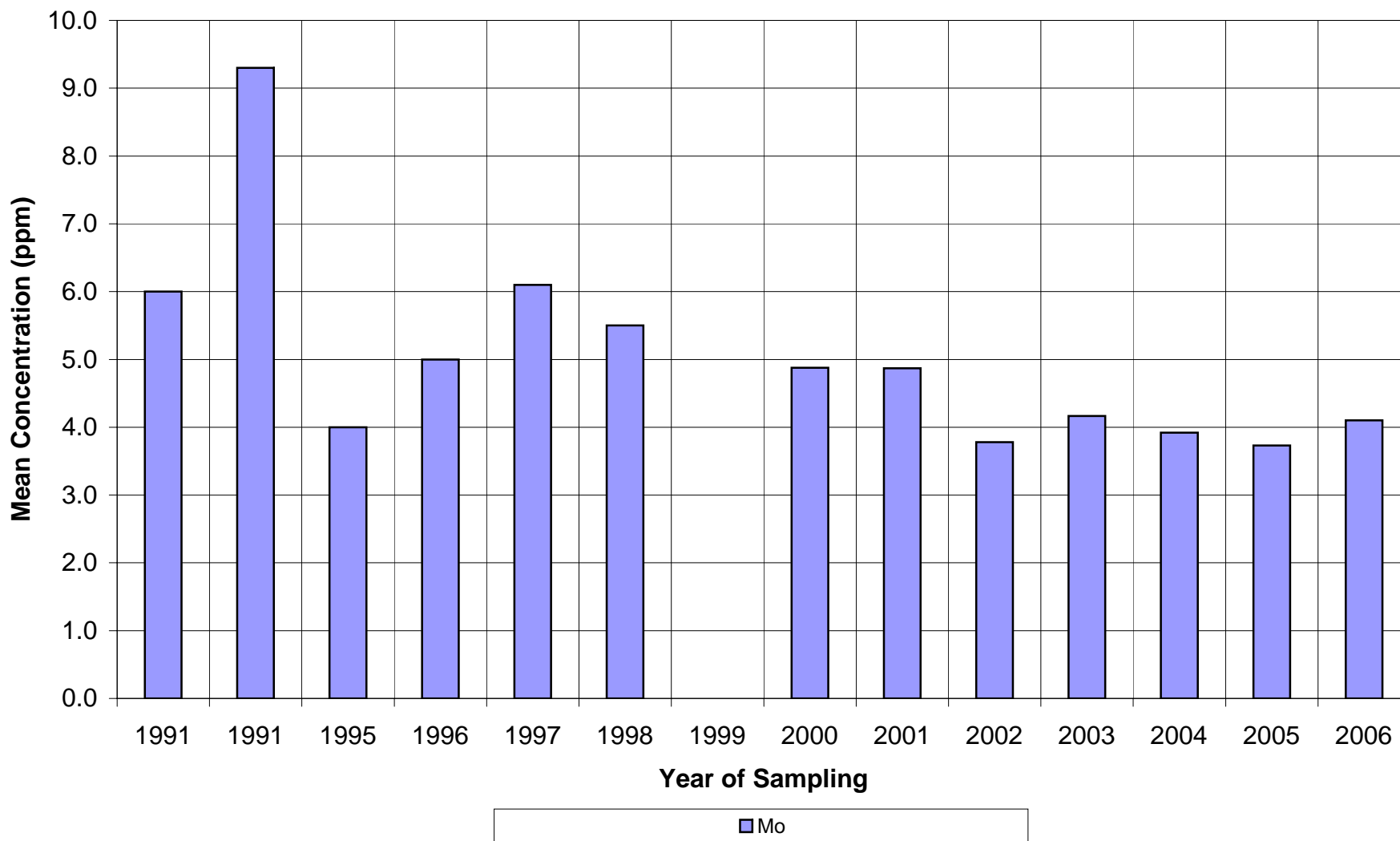




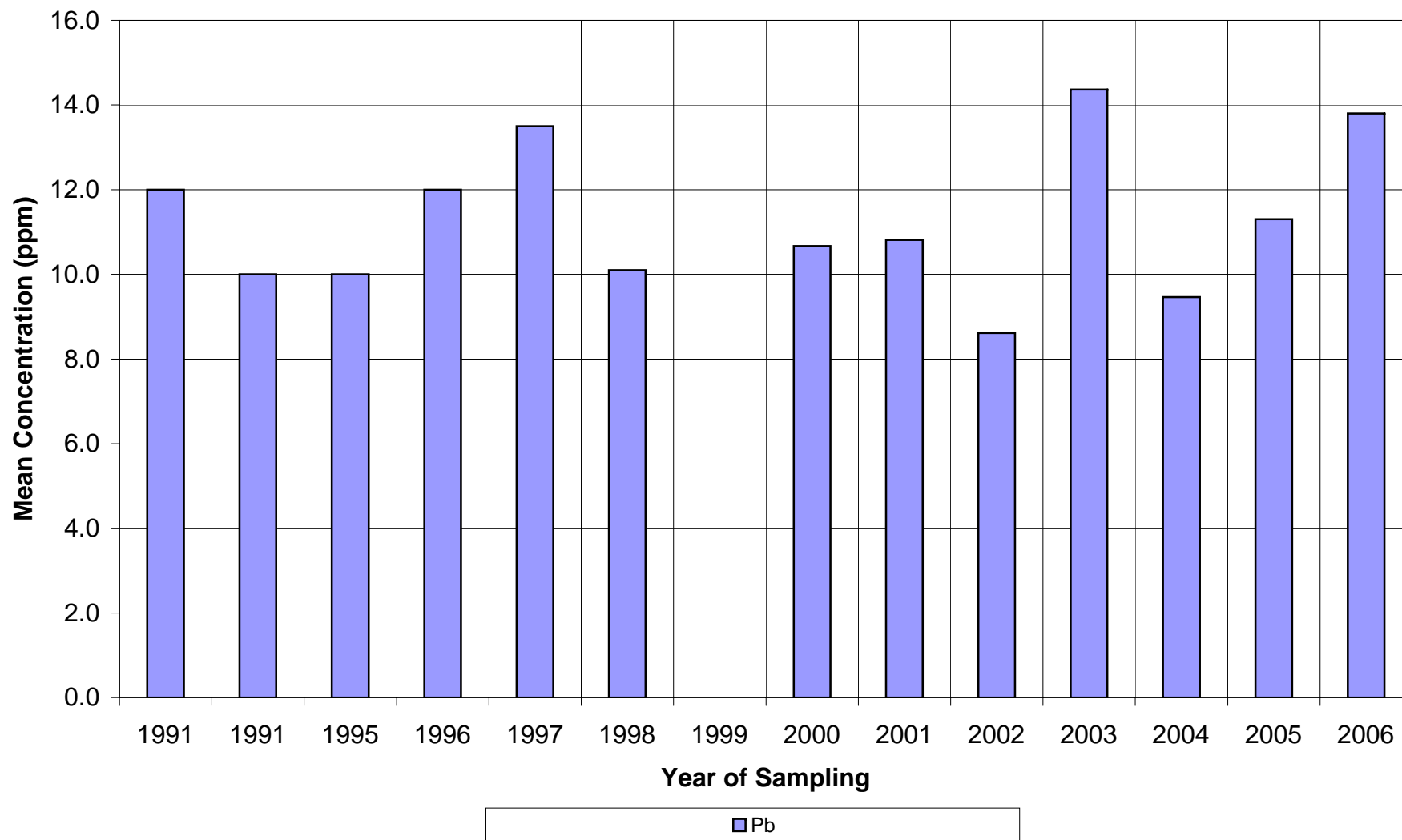
**Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road**

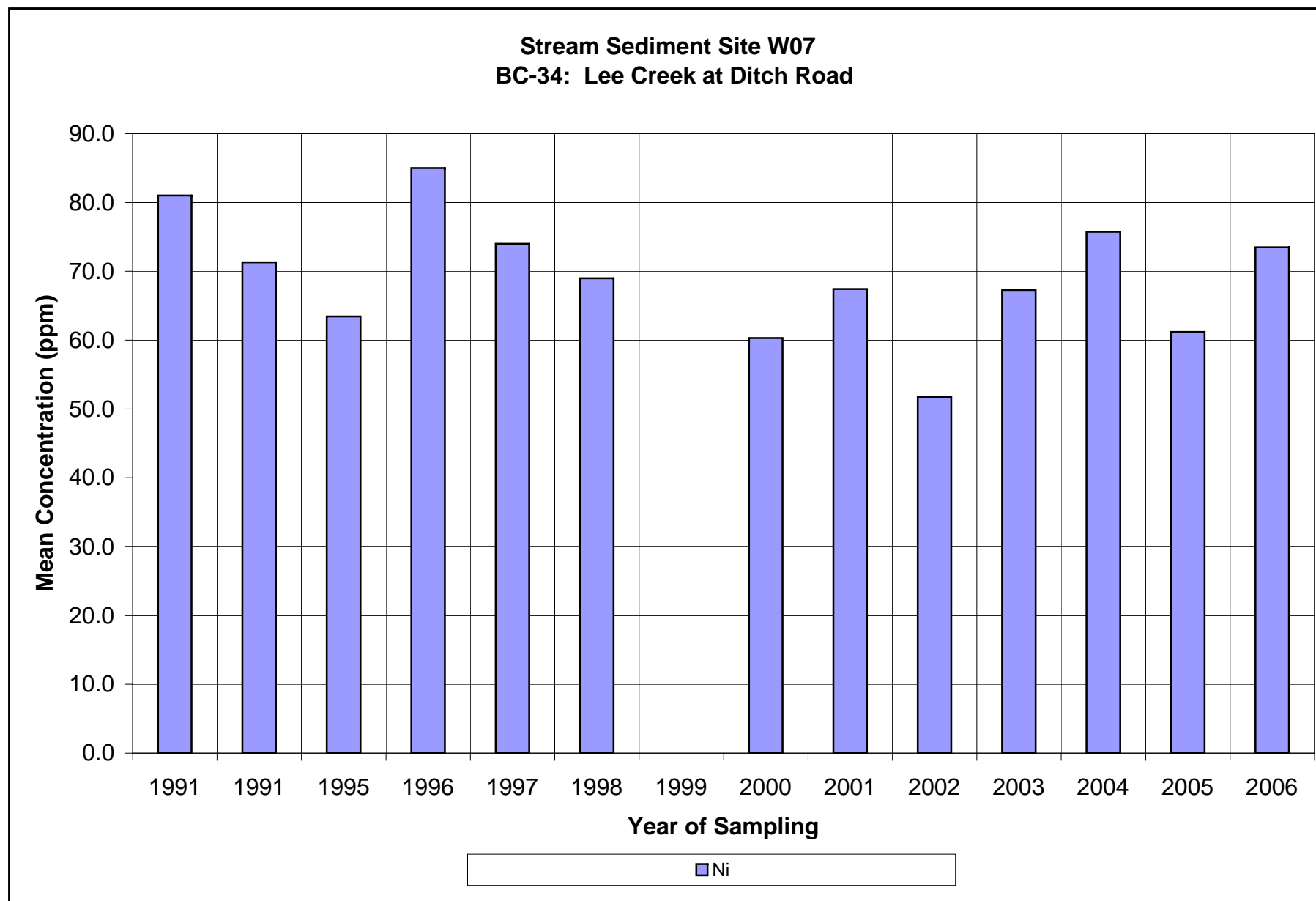


**Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road**

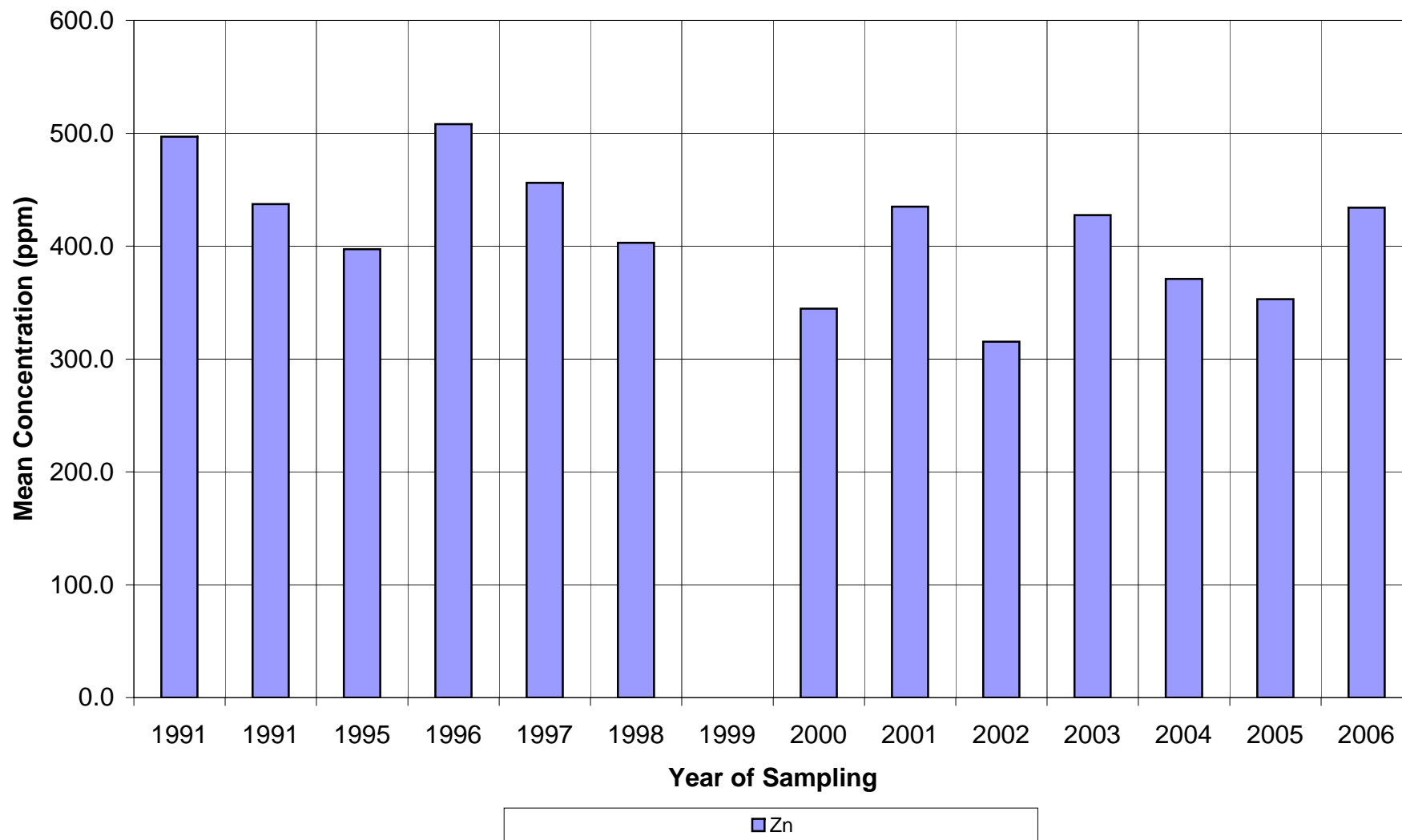


**Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road**





**Stream Sediment Site W07
BC-34: Lee Creek at Ditch Road**



495210

Control Number



NORWEST LABS

Environmental Sample Information Sheet

NOTE Proper completion of this form is required in order to proceed with analysis
See reverse for contacting your nearest Norwest location and proper sampling protocol

Billing Address		Report To: <input checked="" type="checkbox"/>	Copy of Report To:		Copy of invoice: <input type="checkbox"/>
Company: Access Consulting Group		QA/QC Report <input checked="" type="checkbox"/>	Company:		Mail invoice to this
Address: #3 Calcite Business Centre-151 Industrial Road Whitehorse, YT Y1A 2V3			Address:		address for approval <input type="checkbox"/>
Attention: Dave Desmarais		Report Result:	Attention: Scott Keesey		Report Result:
Phone: 867-668-6364		Fax <input type="checkbox"/>	Phone:		Fax <input type="checkbox"/>
Fax: 867-667-6680		Mail <input type="checkbox"/>	Fax:		Mail <input type="checkbox"/>
Cell:		Courier <input type="checkbox"/>	Cell:		Courier <input type="checkbox"/>
Email: dave@accessconsulting.ca		Email <input checked="" type="checkbox"/>	Email: scott@accessconsulting.ca		Email <input checked="" type="checkbox"/>

Information to be included on Report and Invoice	RUSH Please contact the laboratory to confirm rush dates and times before submitting samples. Upon filling out this section, client accepts that surcharges will be attached to this analysis Required on: all analyses or as indicated <input type="checkbox"/> or <input type="checkbox"/> Date required: _____ Signature: _____ Norwest Authorization: _____	Sample Custody (Please Print)
		Sampled by: D. Desmarais Date: Sept. 18-20, 2006 Company: ACG Signature: _____ Relinquished by: D. Desmarais Company: ACG Date: Sept 22, 2006 Waybill number: 287 21119276 Received by: _____ Company: _____ Date: _____ Processed by: _____ Norwest Labs Date: _____
Project ID: Quarterly Sampling Project Name: Brewery Creek Project Location: Brewery Creek Legal Location: PO#: ALEX-06-BCM-01 Proj. Acct. Code: Agreement ID: 75851		

Special Instructions/Comments

page 3 of 3.

Sediment Instructions:
The samples shall be dried and screened, using sieves at ASTM mesh numbers 10, 20, 40, 60, 100, 140 and 270 (ASTM -E11-61) and the fraction weights shall be recorded **PS 91**
A sub-sample composed of material passing through the 100 mesh number sieve shall be analyzed for metals by a 33 element ICP scan. Loss on ignition (LOI) shall also be determined by heating the sample to 600 C.
There are 3 samples from each site.

Sample Identification	Location	Depth	Date/Time Sampled	Matrix	Sampling Method	Number of Containers	Enter tests above (check off relevant samples below)															
1 BC32 W3		-	9/20/06	Sediment	Grab	3																
2 BC2 W15		-	9/18/06	Sediment	Grab	3																
3 BC3 W4B		-	9/18/06	Sediment	Grab	3																
4 BC33 W6A		-	9/18/06	Sediment	Grab	3																
5 BC6 W9		-	9/18/06	Sediment	Grab	3																
6 BC31 W2		-	9/18/06	Sediment	Grab	3																
7 BC36 W3		-	9/18/06	Sediment	Grab	3																
8 BC4 W13		-	9/18/06	Sediment	Grab	3																
9 BC35 W14		-	9/19/06	Sediment	Grab	3																
10 BC37 W5A		-	9/19/06	Sediment	Grab	3																
11 BC1 W5		-	9/19/06	Sediment	Grab	3																
12 BC34 W7		-	9/19/06	Sediment	Grab	3																
13 BC38 W8		-	9/19/06	Sediment	Grab	3																
14		-																				



Report Transmission Cover Page

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
3 Calcite Business Centre
151 Industrial Road
Whitehorse, YT, Canada
Y1A 2V3
Attn: Dave Desmarais
Sampled By: D. Desmarais
Company: ACG

Project ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
Control Number:
Date Received: Sep 25, 2006
Date Reported: Oct 05, 2006
Report Number: 915083

Contact	Company	Address												
Dave Desmarais Web Email Notification	Access Mining Consultants Ltd.	# 3 Calcite Business Centre, 151 Industrial Road Whitehorse, YT Y1A 2V3 Phone: (867) 668-6463 Fax: (867) 667-6680 Email: dave@accessconsulting.ca												
<table border="1"> <thead> <tr> <th>Copies</th> <th>Delivery Strategy</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Post</td> <td></td> </tr> <tr> <td>A</td> <td>1 Email - Multiple Reports</td> <td>PDF</td> </tr> <tr> <td>A</td> <td>1 Email - Multiple Reports</td> <td>Standard List</td> </tr> </tbody> </table>		Copies	Delivery Strategy	Format	1	Post		A	1 Email - Multiple Reports	PDF	A	1 Email - Multiple Reports	Standard List	
Copies	Delivery Strategy	Format												
1	Post													
A	1 Email - Multiple Reports	PDF												
A	1 Email - Multiple Reports	Standard List												
Scott Keesey Web x Email Notification	Access Mining Consultants Ltd.	# 3 Calcite Business Centre, 151 Industrial Road Whitehorse, YT Y1A 2V3 Phone: (867) 668-6463 Fax: (867) 667-6680 Email: scott@accessconsulting.ca												
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Copies	Delivery Strategy	Format												

NOTE: **P** indicates a preliminary report is required
NOTE: **A** indicates report is delivered using automated delivery

_____ # OF PAGES IN THIS TRANSMISSION

Report Transmission Notes

Agreement Notes

Lot Notes

Sample Notes:

Notes to Clients

Lot Notes:

This report issued to include loss on ignition results not previously reported. Report 915083 replaces report 909227.

Sample Notes:

Batch Notes:

Method Notes:

Method Result Notes:

Reports associated with this Lot

Id/Format/Reported Date
909227 Env2QC 3 Smp & DL 4-Oct-06

Id/Format/Reported Date
915083 Env2QC 3 Smp & DL

Id/Format/Reported Date



Report Transmission Cover Page

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Surrey, BC. V3S 8P8
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Bill to: Access Mining Consultants Ltd.
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3 Calcite Business Centre
151 Industrial Road
Whitehorse, YT, Canada
Y1A 2V3
Attn: Dave Desmarais
Sampled By: D. Desmarais
Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: **495210**
Control Number:
Date Received: Sep 25, 2006
Date Reported: Oct 05, 2006
Report Number: 915083

Comment:

See Methodology and Notes page of Analytical Report for all comments pertaining to this report.

If this report transmission is not satisfactory, please send report requirements to the address at the top of this page.

10/5/06 **915083** 05-Oct-2006



Sample Custody

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Access Mining Consultants Ltd.
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151 Industrial Road
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Y1A 2V3
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Sampled By: D. Desmarais
Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
Control Number:
Date Received: Sep 25, 2006
Date Reported: Oct 05, 2006
Report Number: 915083

Sample Disposal Date: Nov 03, 2006

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the upper right of this page.

_____ **Extend Sample Storage Until** _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	\$ 10.00
Storage for 6 to 20 samples per month	\$ 15.00
Storage for 21 to 50 samples per month	\$ 30.00
Storage for 51 to 200 samples per month	\$ 60.00
Storage for more than 200 samples per month	\$ 110.00

_____ **Return Sample, collect, to the address below via:**

- _____ Greyhound
- _____ Loomis
- _____ Purolator
- _____ Other (Specify) _____

Name: _____
Company: _____
Address: _____

Phone: _____
Fax: _____
Signature: _____

If no other arrangements have been made, samples will be disposed of on Nov 03, 2006.



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

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Acct. Code: (Revised)

NWL Lot ID: 495210
Control Number:
Date Received: Sep 25, 2006
Date Reported: Oct 05, 2006
Report Number: 915083

Analyte	Units	Results	Results	Results	Detection Limit
Aggregate Organic Constituents					
Loss on Ignition @ 600C	Dried Basis -230 Mesh	%	4.406	3.042	3.520
Classification					
Carbon	Total Organic	%	0.88	1.26	1.21
Carbon	Total Inorganic	%	<0.05	<0.05	0.11
Metals Strong Acid Digestion					
Aluminum	Strong Acid Extractable	ug/g	6120	9640	7110
Antimony	Strong Acid Extractable	ug/g	47.2	<0.5	1.3
Arsenic	Strong Acid Extractable	ug/g	292	5.2	11.6
Barium	Strong Acid Extractable	ug/g	506	242	244
Beryllium	Strong Acid Extractable	ug/g	0.46	0.26	0.28
Bismuth	Strong Acid Extractable	ug/g	<0.5	<0.5	<0.5
Cadmium	Strong Acid Extractable	ug/g	0.80	0.1	0.2
Calcium	Strong Acid Extractable	ug/g	2810	3630	5160
Chromium	Strong Acid Extractable	ug/g	12.4	15.6	14.0
Cobalt	Strong Acid Extractable	ug/g	6.31	5.09	5.60
Copper	Strong Acid Extractable	ug/g	34.1	11.4	16.0
Iron	Strong Acid Extractable	ug/g	24100	14900	15500
Lead	Strong Acid Extractable	ug/g	14.2	7.5	6.0
Lithium	Strong Acid Extractable	ug/g	6.6	11.8	9.7
Magnesium	Strong Acid Extractable	ug/g	1750	3220	3870
Manganese	Strong Acid Extractable	ug/g	391	155	256
Mercury	Strong Acid Extractable	ug/g	0.554	0.029	0.046
Molybdenum	Strong Acid Extractable	ug/g	5.07	0.4	0.67
Nickel	Strong Acid Extractable	ug/g	28.5	15.1	17.9
Phosphorus	Strong Acid Extractable	ug/g	611	667	678
Potassium	Strong Acid Extractable	ug/g	976	555	568
Selenium	Strong Acid Extractable	ug/g	1.8	<0.3	<0.3
Silicon	Strong Acid Extractable	ug/g	428	303	180
Silver	Strong Acid Extractable	ug/g	0.2	<0.2	<0.2
Sodium	Strong Acid Extractable	ug/g	58	117	131
Strontium	Strong Acid Extractable	ug/g	53.8	23.7	27.7
Thallium	Strong Acid Extractable	ug/g	<0.3	<0.3	<0.3
Tin	Strong Acid Extractable	ug/g	0.5	0.4	0.3
Titanium	Strong Acid Extractable	ug/g	39.7	209	196
Vanadium	Strong Acid Extractable	ug/g	45.0	27.7	28.0



Analytical Report

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 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled By: D. Desmarais
 Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
 Date Received: Sep 25, 2006
 Date Reported: Oct 05, 2006
 Report Number: 915083

Analyte	Units	495210-1		495210-2		495210-3	
		Sample Date	Sample Description	Sample Date	Sample Description	Sample Date	Sample Description
		Sep 20, 2006	BC32 W3 / sediment	Sep 18, 2006	BC2 W15 / sediment	Sep 18, 2006	BC3 W4B / sediment
		Matrix	Soil	Soil	Soil		
Analyte	Units	Results	Results	Results	Results	Detection Limit	
Metals Strong Acid Digestion - Continued							
Zinc	Strong Acid Extractable	ug/g	140	52.0	58.3	0.1	
Zirconium	Strong Acid Extractable	ug/g	3.5	3.4	3.4	0.05	
Particle Size Analysis - Dry Sieve							
2.0 mm sieve	% Retained	% by weight	25.9	1.4	2.2	0.1	
1.70 mm sieve	% Retained	% by weight	2.8	0.8	0.8	0.1	
1.18 mm sieve	% Retained	% by weight	5.6	0.6	1.2	0.1	
850 micron sieve	% Retained	% by weight	4.8	0.8	1.6	0.1	
425 micron sieve	% Retained	% by weight	10.5	0.8	5.5	0.1	
300 micron sieve	% Retained	% by weight	3.9	0.7	4.3	0.1	
250 micron sieve	% Retained	% by weight	2.1	0.7	3.0	0.1	
150 micron sieve	% Retained	% by weight	5.1	3.4	6.5	0.1	
106 micron sieve	% Retained	% by weight	3.4	3.8	4.5	0.1	
53 micron sieve	% Retained	% by weight	14.3	34.1	34.6	0.1	
Pan	% Retained	% by weight	21.9	53.4	37.0		
Soil Acidity							
pH	1:2 Soil:Water	pH	7.4	7.1	7.4	0.5	



Analytical Report

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Date Reported: Oct 05, 2006
Report Number: 915083

Analyte	Units	495210-4		495210-5		495210-6	
		Sample Date	Results	Sample Date	Results	Sample Date	Results
		495210-4		495210-5		495210-6	
		Sep 18, 2006		Sep 18, 2006		Sep 18, 2006	
		BC33 W6A / sediment		BC6 W9 / sediment		BC31 W2 / sediment	
		Matrix	Soil	Soil		Soil	
Analyte	Units	Results	Results	Results	Detection Limit		
Aggregate Organic Constituents							
Loss on Ignition @ 600C	Dried Basis -230 Mesh	%	8.229	8.825	8.630		
Classification							
Carbon	Total Organic	%	3.25	1.75	6.12	0.05	
Carbon	Total Inorganic	%	0.07	<0.05	0.10	0.05	
Metals Strong Acid Digestion							
Aluminum	Strong Acid Extractable	ug/g	12400	8800	10800	1	
Antimony	Strong Acid Extractable	ug/g	1.3	0.8	2.6	0.5	
Arsenic	Strong Acid Extractable	ug/g	8.5	12.6	20.3	0.2	
Barium	Strong Acid Extractable	ug/g	549	390	493	0.03	
Beryllium	Strong Acid Extractable	ug/g	0.59	0.45	0.53	0.01	
Bismuth	Strong Acid Extractable	ug/g	<0.5	<0.5	<0.5	0.5	
Cadmium	Strong Acid Extractable	ug/g	2.5	1.4	1.9	0.05	
Calcium	Strong Acid Extractable	ug/g	7350	4530	8890	2	
Chromium	Strong Acid Extractable	ug/g	25.1	17.0	21.4	0.04	
Cobalt	Strong Acid Extractable	ug/g	10.2	8.11	9.12	0.05	
Copper	Strong Acid Extractable	ug/g	54.2	71.6	41.4	0.05	
Iron	Strong Acid Extractable	ug/g	24400	19300	22500	1	
Lead	Strong Acid Extractable	ug/g	10.5	11.8	12.8	0.3	
Lithium	Strong Acid Extractable	ug/g	15.2	15.7	17.1	0.1	
Magnesium	Strong Acid Extractable	ug/g	5250	3760	4770	1	
Manganese	Strong Acid Extractable	ug/g	501	453	697	0.3	
Mercury	Strong Acid Extractable	ug/g	0.251	0.185	0.279	0.003	
Molybdenum	Strong Acid Extractable	ug/g	3.3	1.9	2.0	0.05	
Nickel	Strong Acid Extractable	ug/g	54.4	37.6	44.1	0.1	
Phosphorus	Strong Acid Extractable	ug/g	1360	946	933	0.5	
Potassium	Strong Acid Extractable	ug/g	1190	925	1040	5	
Selenium	Strong Acid Extractable	ug/g	1.3	0.9	1.1	0.3	
Silicon	Strong Acid Extractable	ug/g	181	226	184	1	
Silver	Strong Acid Extractable	ug/g	0.3	<0.2	0.2	0.2	
Sodium	Strong Acid Extractable	ug/g	79	72	103	1	
Strontium	Strong Acid Extractable	ug/g	59.8	39.1	64.2	0.02	
Thallium	Strong Acid Extractable	ug/g	<0.3	<0.3	<0.3	0.3	
Tin	Strong Acid Extractable	ug/g	0.5	3.3	0.7	0.2	
Titanium	Strong Acid Extractable	ug/g	197	91.9	106	0.05	
Vanadium	Strong Acid Extractable	ug/g	93.7	52.3	60.8	0.1	



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled By: D. Desmarais
 Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
 Date Received: Sep 25, 2006
 Date Reported: Oct 05, 2006
 Report Number: 915083

Analyte	Units	495210-4		495210-5		495210-6	
		Matrix	Soil	Soil	Soil	Detection Limit	
Metals Strong Acid Digestion - Continued							
Zinc	Strong Acid Extractable	ug/g	322	193	223	0.1	
Zirconium	Strong Acid Extractable	ug/g	4.4	2.5	2.9	0.05	
Particle Size Analysis - Dry Sieve							
2.0 mm sieve	% Retained	% by weight	52.7	0.3	7.0	0.1	
1.70 mm sieve	% Retained	% by weight	3.2	0.3	1.7	0.1	
1.18 mm sieve	% Retained	% by weight	3.5	0.4	2.1	0.1	
850 micron sieve	% Retained	% by weight	2.4	0.6	2.5	0.1	
425 micron sieve	% Retained	% by weight	4.6	2.4	5.4	0.1	
300 micron sieve	% Retained	% by weight	3.0	6.3	5.4	0.1	
250 micron sieve	% Retained	% by weight	2.0	12.2	5.3	0.1	
150 micron sieve	% Retained	% by weight	4.8	46.4	12.0	0.1	
106 micron sieve	% Retained	% by weight	3.5	15.1	4.4	0.1	
53 micron sieve	% Retained	% by weight	8.7	11.3	28.4	0.1	
Pan	% Retained	% by weight	12.1	6.2	27.5		
Soil Acidity							
pH	1:2 Soil:Water	pH	7.4	7.3	8.0	0.5	



Analytical Report

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Bill to: Access Mining Consultants Ltd.
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 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled By: D. Desmarais
 Company: ACG

Project ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
Control Number:
Date Received: Sep 25, 2006
Date Reported: Oct 05, 2006
Report Number: 915083

Analyte	Units	Results	Results	Results	Detection Limit
Aggregate Organic Constituents					
Loss on Ignition @ 600C	Dried Basis -230 Mesh	%	13.13	4.255	13.92
Classification					
Carbon	Total Organic	%	1.38	1.23	0.05
Carbon	Total Inorganic	%	0.12	0.22	0.05
Metals Strong Acid Digestion					
Aluminum	Strong Acid Extractable	ug/g	7900	9610	11000
Antimony	Strong Acid Extractable	ug/g	<0.5	2.0	1.7
Arsenic	Strong Acid Extractable	ug/g	6.4	22.2	18.6
Barium	Strong Acid Extractable	ug/g	269	385	725
Beryllium	Strong Acid Extractable	ug/g	0.29	0.34	0.39
Bismuth	Strong Acid Extractable	ug/g	<0.5	<0.5	<0.5
Cadmium	Strong Acid Extractable	ug/g	0.59	0.65	1.6
Calcium	Strong Acid Extractable	ug/g	6220	9250	7030
Chromium	Strong Acid Extractable	ug/g	15.7	19.0	26.8
Cobalt	Strong Acid Extractable	ug/g	5.67	7.09	9.98
Copper	Strong Acid Extractable	ug/g	21.9	21.9	24.3
Iron	Strong Acid Extractable	ug/g	16800	19800	21400
Lead	Strong Acid Extractable	ug/g	6.3	10.6	7.0
Lithium	Strong Acid Extractable	ug/g	10.2	13.4	19.8
Magnesium	Strong Acid Extractable	ug/g	4030	5320	4880
Manganese	Strong Acid Extractable	ug/g	288	340	370
Mercury	Strong Acid Extractable	ug/g	0.081	0.126	0.510
Molybdenum	Strong Acid Extractable	ug/g	1.2	0.87	1.1
Nickel	Strong Acid Extractable	ug/g	23.2	25.1	49.4
Phosphorus	Strong Acid Extractable	ug/g	822	795	893
Potassium	Strong Acid Extractable	ug/g	714	758	835
Selenium	Strong Acid Extractable	ug/g	<0.3	<0.3	0.9
Silicon	Strong Acid Extractable	ug/g	198	213	152
Silver	Strong Acid Extractable	ug/g	<0.2	<0.2	<0.2
Sodium	Strong Acid Extractable	ug/g	107	152	95
Strontium	Strong Acid Extractable	ug/g	38.4	43.7	53.7
Thallium	Strong Acid Extractable	ug/g	<0.3	<0.3	<0.3
Tin	Strong Acid Extractable	ug/g	0.3	0.3	0.5
Titanium	Strong Acid Extractable	ug/g	177	252	124
Vanadium	Strong Acid Extractable	ug/g	40.8	40.0	54.3



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Report to: Access Mining Consultants Ltd.
 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled By: D. Desmarais
 Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
 Date Received: Sep 25, 2006
 Date Reported: Oct 05, 2006
 Report Number: 915083

Analyte	Units	Results	NWL Number	495210-7	495210-8	495210-9	Detection Limit
			Sample Date	Sep 18, 2006	Sep 18, 2006	Sep 19, 2006	
			Sample Description	BC36 W3 / sediment	BC4 W13 / sediment	BC35 W14 / sediment	
			Matrix	Soil	Soil	Soil	
Metals Strong Acid Digestion - Continued							
Zinc	Strong Acid Extractable	ug/g	104	89.9	308	0.1	
Zirconium	Strong Acid Extractable	ug/g	2.8	3.8	2.4	0.05	
Particle Size Analysis - Dry Sieve							
2.0 mm sieve	% Retained	% by weight	2.9	14.8	1.9	0.1	
1.70 mm sieve	% Retained	% by weight	1.0	2.6	0.8	0.1	
1.18 mm sieve	% Retained	% by weight	1.2	6.2	1.0	0.1	
850 micron sieve	% Retained	% by weight	1.2	7.1	1.4	0.1	
425 micron sieve	% Retained	% by weight	4.9	13.6	2.9	0.1	
300 micron sieve	% Retained	% by weight	5.0	5.4	4.5	0.1	
250 micron sieve	% Retained	% by weight	5.1	2.5	6.5	0.1	
150 micron sieve	% Retained	% by weight	13.2	5.2	18.4	0.1	
106 micron sieve	% Retained	% by weight	3.4	1.4	6.1	0.1	
53 micron sieve	% Retained	% by weight	38.5	25.3	39.5	0.1	
Pan	% Retained	% by weight	25.8	17.6	18.9		
Soil Acidity							
pH	1:2 Soil:Water	pH	7.9	8.2	7.7	0.5	



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 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled By: D. Desmarais
 Company: ACG

Project ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
Control Number:
Date Received: Sep 25, 2006
Date Reported: Oct 05, 2006
Report Number: 915083

Analyte	Units	Results	495210-10		495210-11		495210-12	
			Sample Date	Sample Description	Sample Date	Sample Description	Sample Date	Sample Description
			Sep 19, 2006	BC37 W5A / sediment	Sep 19, 2006	BC1 W5 / sediment	Sep 19, 2006	BC34 W7 / sediment
			Matrix	Soil	Soil	Soil		
Aggregate Organic Constituents								
Loss on Ignition @ 600C	Dried Basis -230 Mesh	%	7.037		3.607		12.51	
Classification								
Carbon	Total Organic	%	3.53		1.30		2.16	0.05
Carbon	Total Inorganic	%	0.09		<0.05		0.07	0.05
Metals Strong Acid Digestion								
Aluminum	Strong Acid Extractable	ug/g	11800		8590		14100	1
Antimony	Strong Acid Extractable	ug/g	2.2		1.7		1.1	0.5
Arsenic	Strong Acid Extractable	ug/g	24.6		16.0		11.2	0.2
Barium	Strong Acid Extractable	ug/g	394		319		635	0.03
Beryllium	Strong Acid Extractable	ug/g	0.49		0.33		0.71	0.01
Bismuth	Strong Acid Extractable	ug/g	<0.5		<0.5		<0.5	0.5
Cadmium	Strong Acid Extractable	ug/g	0.55		0.3		3.3	0.05
Calcium	Strong Acid Extractable	ug/g	7320		4720		11000	2
Chromium	Strong Acid Extractable	ug/g	21.8		16.1		30.5	0.04
Cobalt	Strong Acid Extractable	ug/g	8.38		5.76		12.3	0.05
Copper	Strong Acid Extractable	ug/g	25.4		14.2		84.5	0.05
Iron	Strong Acid Extractable	ug/g	21000		16000		30200	1
Lead	Strong Acid Extractable	ug/g	8.9		7.5		13.8	0.3
Lithium	Strong Acid Extractable	ug/g	16.6		12.0		18.1	0.1
Magnesium	Strong Acid Extractable	ug/g	4860		3640		6470	1
Manganese	Strong Acid Extractable	ug/g	368		253		880	0.3
Mercury	Strong Acid Extractable	ug/g	0.068		0.047		0.347	0.003
Molybdenum	Strong Acid Extractable	ug/g	1.1		0.78		4.1	0.05
Nickel	Strong Acid Extractable	ug/g	28.3		19.6		73.5	0.1
Phosphorus	Strong Acid Extractable	ug/g	800		810		1770	0.5
Potassium	Strong Acid Extractable	ug/g	791		621		1500	5
Selenium	Strong Acid Extractable	ug/g	0.5		<0.3		2.2	0.3
Silicon	Strong Acid Extractable	ug/g	158		210		218	1
Silver	Strong Acid Extractable	ug/g	<0.2		<0.2		0.5	0.2
Sodium	Strong Acid Extractable	ug/g	158		117		94	1
Strontium	Strong Acid Extractable	ug/g	50.3		34.9		84.0	0.02
Thallium	Strong Acid Extractable	ug/g	<0.3		<0.3		<0.3	0.3
Tin	Strong Acid Extractable	ug/g	0.4		0.5		2.2	0.2
Titanium	Strong Acid Extractable	ug/g	266		201		170	0.05
Vanadium	Strong Acid Extractable	ug/g	45.2		34.8		111	0.1



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled By: D. Desmarais
 Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
 Date Received: Sep 25, 2006
 Date Reported: Oct 05, 2006
 Report Number: 915083

Analyte	Units	495210-10		495210-11		495210-12	
		Matrix	Soil	Soil	Soil	Soil	Detection Limit
Metals Strong Acid Digestion - Continued							
Zinc	Strong Acid Extractable	ug/g	91.2	71.2	434	0.1	
Zirconium	Strong Acid Extractable	ug/g	4.7	3.5	3.7	0.05	
Particle Size Analysis - Dry Sieve							
2.0 mm sieve	% Retained	% by weight	1.9	0.8	17.4	0.1	
1.70 mm sieve	% Retained	% by weight	1.3	0.7	3.5	0.1	
1.18 mm sieve	% Retained	% by weight	0.9	0.9	5.0	0.1	
850 micron sieve	% Retained	% by weight	1.2	1.5	4.6	0.1	
425 micron sieve	% Retained	% by weight	2.0	3.4	6.6	0.1	
300 micron sieve	% Retained	% by weight	2.0	3.0	6.7	0.1	
250 micron sieve	% Retained	% by weight	3.2	3.5	10.0	0.1	
150 micron sieve	% Retained	% by weight	8.0	11.3	22.7	0.1	
106 micron sieve	% Retained	% by weight	2.8	3.0	2.7	0.1	
53 micron sieve	% Retained	% by weight	38.8	43.4	12.1	0.1	
Pan	% Retained	% by weight	38.7	29.6	7.7		
Soil Acidity							
pH	1:2 Soil:Water	pH	7.6	7.7	7.8	0.5	



Analytical Report

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Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled By: D. Desmarais
 Company: ACG

Project ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
 Date Received: Sep 25, 2006
 Date Reported: Oct 05, 2006
 Report Number: 915083

NWL Number 495210-13
 Sample Date Sep 19, 2006
 Sample Description BC38 W8 / sediment
 Matrix Soil

Analyte		Units	Results	Results	Detection Limit
Aggregate Organic Constituents					
Loss on Ignition @ 600C	Dried Basis -230 Mesh	%	7.483		
Classification					
Carbon	Total Organic	%	0.53		0.05
Carbon	Total Inorganic	%	<0.05		0.05
Metals Strong Acid Digestion					
Aluminum	Strong Acid Extractable	ug/g	11600		1
Antimony	Strong Acid Extractable	ug/g	<0.5		0.5
Arsenic	Strong Acid Extractable	ug/g	14.9		0.2
Barium	Strong Acid Extractable	ug/g	598		0.03
Beryllium	Strong Acid Extractable	ug/g	0.48		0.01
Bismuth	Strong Acid Extractable	ug/g	<0.5		0.5
Cadmium	Strong Acid Extractable	ug/g	1.3		0.05
Calcium	Strong Acid Extractable	ug/g	4970		2
Chromium	Strong Acid Extractable	ug/g	20.9		0.04
Cobalt	Strong Acid Extractable	ug/g	10.0		0.05
Copper	Strong Acid Extractable	ug/g	32.2		0.05
Iron	Strong Acid Extractable	ug/g	24800		1
Lead	Strong Acid Extractable	ug/g	12.7		0.3
Lithium	Strong Acid Extractable	ug/g	24.2		0.1
Magnesium	Strong Acid Extractable	ug/g	4730		1
Manganese	Strong Acid Extractable	ug/g	530		0.3
Mercury	Strong Acid Extractable	ug/g	0.097		0.003
Molybdenum	Strong Acid Extractable	ug/g	1.3		0.05
Nickel	Strong Acid Extractable	ug/g	34.5		0.1
Phosphorus	Strong Acid Extractable	ug/g	979		0.5
Potassium	Strong Acid Extractable	ug/g	885		5
Selenium	Strong Acid Extractable	ug/g	<0.3		0.3
Silicon	Strong Acid Extractable	ug/g	286		1
Silver	Strong Acid Extractable	ug/g	<0.2		0.2
Sodium	Strong Acid Extractable	ug/g	103		1
Strontium	Strong Acid Extractable	ug/g	44.2		0.02
Thallium	Strong Acid Extractable	ug/g	<0.3		0.3
Tin	Strong Acid Extractable	ug/g	0.9		0.2
Titanium	Strong Acid Extractable	ug/g	134		0.05
Vanadium	Strong Acid Extractable	ug/g	40.4		0.1



Analytical Report

Norwest Labs
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Phone: (604) 514-3322
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Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
3 Calcite Business Centre
151 Industrial Road
Whitehorse, YT, Canada
Y1A 2V3
Attn: Dave Desmarais
Sampled By: D. Desmarais
Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
Control Number:
Date Received: Sep 25, 2006
Date Reported: Oct 05, 2006
Report Number: 915083

NWL Number 495210-13
Sample Date Sep 19, 2006
Sample Description BC38 W8 / sediment
Matrix Soil

Analyte	Units	Results	Results	Detection Limit
Metals Strong Acid Digestion - Continued				
Zinc	Strong Acid Extractable ug/g	158		0.1
Zirconium	Strong Acid Extractable ug/g	3.5		0.05
Particle Size Analysis - Dry Sieve				
2.0 mm sieve	% Retained % by weight	43.5		0.1
1.70 mm sieve	% Retained % by weight	2.1		0.1
1.18 mm sieve	% Retained % by weight	5.1		0.1
850 micron sieve	% Retained % by weight	5.5		0.1
425 micron sieve	% Retained % by weight	18.0		0.1
300 micron sieve	% Retained % by weight	11.8		0.1
250 micron sieve	% Retained % by weight	5.7		0.1
150 micron sieve	% Retained % by weight	7.0		0.1
106 micron sieve	% Retained % by weight	1.7		0.1
53 micron sieve	% Retained % by weight	3.3		0.1
Pan	% Retained % by weight	2.3		
Soil Acidity				
pH	1:2 Soil:Water pH	7.5		0.5

Approved by:

Walter Brandl
Operations Manager - Surrey



Quality Control

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
3 Calcite Business Centre
151 Industrial Road
Whitehorse, YT, Canada
Y1A 2V3
Attn: Dave Desmarais
Sampled By: D. Desmarais
Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
Control Number:
Date Received: Sep 25, 2006
Date Reported: Oct 05, 2006
Report Number: 915083

Page: 11 of 17

Aggregate Organic Constituents

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Loss on Ignition @ 600C	%	4.552	2.500	1.900	3.100	✓
Material Used:	S0229 - LOI					
Date Acquired:	Sep 28, 2006					
Acquired By:	Marie England					



Quality Control

Norwest Labs
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Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
 Date Received: Sep 25, 2006
 Date Reported: Oct 05, 2006
 Report Number: 915083

Metals Strong Acid Digestion

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Aluminum	uq/q	<1	0	-3	3	✓
Antimony	uq/q	<0.5	0.0	0.0	0.0	✓
Arsenic	uq/q	<0.2	0.0	0.0	0.0	✓
Barium	uq/q	<0.03	0.00	-0.03	0.03	✓
Beryllium	uq/q	<0.01	0.00	0.00	0.00	✓
Bismuth	uq/q	<0.5	0.0	0.0	0.0	✓
Cadmium	uq/q	<0.05	0.00	0.00	0.00	✓
Calcium	uq/q	8	0	-6	6	✓
Chromium	uq/q	<0.04	0.00	0.00	0.00	✓
Cobalt	uq/q	<0.05	0.00	0.00	0.00	✓
Copper	uq/q	0.1	0.00	0.00	0.00	✓
Iron	uq/q	<1	0	-6	6	✓
Lead	uq/q	<0.3	0.0	0.0	0.0	✓
Lithium	uq/q	<0.1	0.0	0.0	0.0	✓
Magnesium	uq/q	<1	0	0	0	✓
Manganese	uq/q	<0.3	0.0	-0.1	0.1	✓
Molybdenum	uq/q	0.06	0.00	0.00	0.00	✓
Nickel	uq/q	<0.1	0.000	-0.003	0.003	✓
Phosphorus	uq/q	<0.5	0.0	-0.1	0.1	✓
Potassium	uq/q	40	0	-1	1	✓
Selenium	uq/q	<0.3	0.0	0.0	0.0	✓
Silicon	uq/q	<1	0	0	0	✓
Silver	uq/q	<0.2	0.0	0.0	0.0	✓
Sodium	uq/q	15	0	0	0	✓
Strontium	uq/q	<0.02	0.00	0.00	0.00	✓
Tin	uq/q	<0.2	0.0	0.0	0.0	✓
Titanium	uq/q	<0.05	0.00	0.00	0.00	✓
Vanadium	uq/q	<0.1	0.0	0.0	0.0	✓
Zinc	uq/q	0.1	0.0	0.0	0.0	✓
Zirconium	uq/q	<0.05	0.00	0.00	0.00	✓

Material Used: Metals Blank - soils
 Date Acquired: Sep 26, 2006
 Acquired By: Kelly Restiaux



Quality Control

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled By: D. Desmarais
 Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
 Date Received: Sep 25, 2006
 Date Reported: Oct 05, 2006
 Report Number: 915083

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Metals Strong Acid Digestion (Continued...)

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Aluminum	ug/g	9640	8540	30	1	✓
Antimony	ug/g	1.1	1.0	30.0	3.0	✓
Arsenic	ug/g	5.2	4.4	30.0	0.2	✓
Barium	ug/g	635	818	30.00	0.01	✓
Beryllium	ug/g	0.71	0.71	30.00	0.01	✓
Cadmium	ug/g	3.3	3.2	30.00	0.01	✓
Calcium	ug/g	3630	3190	30	0	✓
Chromium	ug/g	30.5	30.3	30.00	0.05	✓
Cobalt	ug/g	5.09	4.5	30.00	0.05	✓
Copper	ug/g	84.5	80.6	30.00	0.05	✓
Iron	ug/g	30200	29200	30	0	✓
Lead	ug/g	7.5	6.7	30.0	0.1	✓
Magnesium	ug/g	6470	6230	30	1	✓
Manganese	ug/g	880	841	30.0	0.0	✓
Molybdenum	ug/g	4.1	4.0	30.00	0.14	✓
Nickel	ug/g	73.5	70.5	30.000	0.050	✓
Phosphorus	ug/g	667	585	30.0	0.5	✓
Potassium	ug/g	555	500	30	10	✓
Selenium	ug/g	2.2	2.2	30.0	0.5	✓
Silver	ug/g	0.5	0.6	30.0	0.2	✓
Sodium	ug/g	94	96	30	1	✓
Strontium	ug/g	84.0	80.2	30.00	0.03	✓
Tin	ug/g	2.2	2.1	30.0	0.1	✓
Vanadium	ug/g	27.7	24.1	30.0	0.0	✓
Zinc	ug/g	52.0	45.4	30.0	0.1	✓
Zirconium	ug/g	3.7	3.2	30.00	0.02	✓

Material Used: Metals Int. Duplicate - soils
 Date Acquired: Sep 26, 2006
 Acquired By: Kelly Restiaux



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 Surrey, BC. V3S 8P8
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 Fax: (604) 514-3323

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 Sampled By: D. Desmarais
 Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
 Date Received: Sep 25, 2006
 Date Reported: Oct 05, 2006
 Report Number: 915083

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Metals Strong Acid Digestion (Continued...)

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Aluminum	uq/q	17000	18000	14070	21930	✓
Antimony	uq/q	4.6	6.2	1.4	11.0	✓
Arsenic	uq/q	14.5	16.0	13.9	18.1	✓
Barium	uq/q	75.0	78.00	63.00	93.00	✓
Beryllium	uq/q	0.50	0.50	0.40	0.60	✓
Calcium	uq/q	2750	3050	2150	3950	✓
Chromium	uq/q	25.2	28.00	22.00	34.00	✓
Cobalt	uq/q	10.4	11.80	8.80	14.80	✓
Copper	uq/q	45.6	45.90	37.80	54.00	✓
Iron	uq/q	33200	31300	13300	49300	✓
Lead	uq/q	13.3	14.9	11.6	18.2	✓
Magnesium	uq/q	5360	5930	4730	7130	✓
Manganese	uq/q	1120	1170.0	1035.0	1305.0	✓
Mercury	uq/q	0.103	0.110	0.062	0.158	✓
Molybdenum	uq/q	0.62	1.00	0.40	1.60	✓
Nickel	uq/q	18.0	18.000	15.330	20.670	✓
Phosphorus	uq/q	742	782.0	563.0	1001.0	✓
Potassium	uq/q	595	617	227	1007	✓
Selenium	uq/q	<0.3	0.9	-1.2	2.9	✓
Silver	uq/q	0.2	0.2	0.0	0.3	✓
Sodium	uq/q	309	334	226	442	✓
Strontium	uq/q	9.64	11.70	8.70	14.70	✓
Thallium	uq/q	<0.3	0.7	-0.8	2.1	✓
Titanium	uq/q	419	589.00	64.00	1114.00	✓
Vanadium	uq/q	52.4	55.7	47.6	63.8	✓
Zinc	uq/q	71.2	72.5	62.6	82.4	✓

Material Used: S0525 CANMET TILL-1 - metals in soil
 Date Acquired: Sep 26, 2006
 Acquired By: Kelly Restiaux



Quality Control

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

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 Whitehorse, YT, Canada
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 Sampled By: D. Desmarais
 Company: ACG

Project
ID: quarterly sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
 Control Number:
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Metals Strong Acid Digestion (Continued...)

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Aluminum	uq/q	16400	17950	13294	22606	✓
Antimony	uq/q	12.7	13.9	7.9	19.9	✓
Arsenic	uq/q	96.6	91.4	72.2	110.6	✓
Barium	uq/q	186	185.00	140.00	230.00	✓
Beryllium	uq/q	0.94	1.03	0.85	1.21	✓
Cadmium	uq/q	41.3	40.90	32.92	48.88	✓
Calcium	uq/q	22600	20400	14400	26400	✓
Chromium	uq/q	18.7	20.30	14.36	26.24	✓
Cobalt	uq/q	7.23	7.30	4.75	9.85	✓
Copper	uq/q	111	108.00	85.20	130.80	✓
Iron	uq/q	21900	22500	16500	28500	✓
Lead	uq/q	1030	1097.0	836.0	1358.0	✓
Magnesium	uq/q	7300	7500	6900	8100	✓
Manganese	uq/q	535	515.0	365.0	665.0	✓
Mercury	uq/q	5.88	7.040	4.670	9.410	✓
Molybdenum	uq/q	1.1	1.02	0.72	1.32	✓
Nickel	uq/q	17.1	17.000	13.430	20.570	✓
Phosphorus	uq/q	723	677.0	515.0	839.0	✓
Potassium	uq/q	4180	4050	2850	5250	✓
Selenium	uq/q	0.5	0.9	-1.1	2.8	✓
Silver	uq/q	4.0	2.0	-4.3	8.3	✓
Sodium	uq/q	232	226	76	376	✓
Strontium	uq/q	43.5	40.00	28.00	52.00	✓
Thallium	uq/q	0.3	1.5	0.3	2.7	✓
Tin	uq/q	2.2	2.3	1.5	3.1	✓
Titanium	uq/q	120	281.00	191.00	371.00	✓
Vanadium	uq/q	42.2	44.0	33.5	54.5	✓
Zinc	uq/q	330	320.0	245.0	395.0	✓

Material Used: S0529 NIST 2711 - metals in soil
 Date Acquired: Sep 26, 2006
 Acquired By: Kelly Restiaux



Quality Control

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

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Acct. Code: (Revised)

NWL Lot ID: 495210
Control Number:
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Particle Size Analysis - Dry Sieve

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
2.0 mm sieve	% by weight	25.9	26.1	10.0	0.5	✓
1.70 mm sieve	% by weight	2.8	2.6	10.0	0.5	✓
1.18 mm sieve	% by weight	5.6	5.7	10.0	0.5	✓
850 micron sieve	% by weight	4.8	4.9	10.0	0.5	✓
425 micron sieve	% by weight	10.5	10.4	10.0	0.5	✓
300 micron sieve	% by weight	3.9	3.4	10.0	0.5	✓
250 micron sieve	% by weight	2.1	2.4	10.0	0.5	✓
150 micron sieve	% by weight	5.1	4.4	10.0	0.5	✓
106 micron sieve	% by weight	3.4	4.1	10.0	0.5	✓
53 micron sieve	% by weight	14.3	14.1	10.0	0.5	✓

Material Used: Edmonton Duplicate
 Date Acquired: Sep 27, 2006
 Acquired By: Cathy Ngo

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
425 micron sieve	% by weight	22.2	28.8	24.7	32.9	✓
250 micron sieve	% by weight	9.8	19.0	15.9	22.1	✓
150 micron sieve	% by weight	19.5	19.9	14.6	25.2	✓
106 micron sieve	% by weight	7.0	72.9	68.0	77.8	✓
53 micron sieve	% by weight	14.1	10.7	6.4	15.1	✓

Material Used: 2006-Physical Standard
 Date Acquired: Sep 27, 2006
 Acquired By: Cathy Ngo

Soil Acidity

Calibration Check	Units	Measured	Target	% Recovery	Criteria (%)	Passed QC
pH	pH	8.0	8.0	99.9	99.6-100.8	✓

Material Used: CC - pH
 Date Acquired: Sep 27, 2006
 Acquired By: Mark-Anthonv Castelli

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
pH	pH	8.2	8.1	0.2	0.1	✓

Material Used: Surrey - Int. Duplicate 1
 Date Acquired: Sep 27, 2006
 Acquired By: Mark-Anthonv Castelli

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
pH	pH	6.0	6.0	5.9	6.2	✓

Material Used: Soil pH 142
 Date Acquired: Sep 27, 2006
 Acquired By: Mark-Anthonv Castelli



Methodology and Notes

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to: Access Mining Consultants Ltd.
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3 Calcite Business Centre
151 Industrial Road
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Y1A 2V3
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Project ID: quarterly sampling
Name: Brewery Creek
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P.O.: ALEX-06-BCM-01
Acct. Code: (Revised)

NWL Lot ID: 495210
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Method of Analysis:

MethodName	Reference	Method	Date Analysis Started	Location
Carbon, Nitrogen, Sulfur in soil	Agronomy No 9, Part 2	* Total Carbon, Method Using High-Temperature Induction Furnace, 29-2.2.4	2-Oct-06	Norwest Labs Lethbridge
Metals (Strong Acid Leachable) in soils	B.C.M.O.E	* Strong Acid Leachable Metals (SALM) in Soil, V 1.0, SALM	26-Sep-06	Norwest Labs Surrey
Particle Size by Dry Sieve	Agronomy No 9, Part 1	* Particle Fractionation and Particle-Size Analysis, 43-1	28-Sep-06	Norwest Labs Edmonton
Particle Size by Dry Sieve	Carter	* Sieve Analysis (Mechanical Method), 47.4	28-Sep-06	Norwest Labs Edmonton
pH and EC in Soil - 1:2 (Surrey)	McKeague	* 1:2 Soil:Water Ratio, 4.12	27-Sep-06	Norwest Labs Surrey

* Norwest method(s) is based on reference method

References:

Agronomy No 9, Part 1	Methods of Soil Analysis, Part 1
Agronomy No 9, Part 2	Methods of Soil Analysis, Part 2
B.C.M.O.E	B.C. Ministry of Environment
Carter	Soil Sampling and Methods of Analysis
McKeague	Manual on Soil Sampling and Methods of Analysis

Comments:

This report issued to include loss on ignition results not previously reported. Report 915083 replaces report 909227.

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted

The test report shall not be reproduced except in full, without the written approval of the laboratory

Appendix E
RECLAMATION
PICTURES

Reclaimed Laura Creek access road



29.8.2006

New wildlife fence around process ponds



Laura Creek near station BC-01, example of 2004 fire natural recovery



Administration building with topsoil pile for future use



Hydrocarbon contaminated soils treatment area



29. 8. 2006

Pacific Pit



29. 8. 2006

Top end of heap with reclaimed access road - seeded 2006



29. 8. 2006

View of top of heap and Cell 8-10 area



Top of heap



Pacific Pit outlet channel



Blue WRSA



Typical haul road stream crossing



Top of Canadian WRSA



Reclaimed haul road



Kokanee WRSA



South Golden Pit



29. 8. 2006

Stream crossing through Lucky haul road



Dry Station BC-18



Lucky WRSA



Reclaimed Moosehead landfill



Appendix F
REVEGETATION
ASSESSMENT

Brewery Creek Mine 2006 Revegetation Assessment

**Site Assessment Report Prepared for
Alexco Resources Corp.**



Laberge
ENVIRONMENTAL SERVICES

February 2007

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Appendix A Photographic Record

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1.0 Background

A revegetation program has been ongoing at the Brewery Creek Mine since 1996. Several seed mixes have been used. Earlier revegetation efforts were focused on the recontoured Canadian Zone waste rock dump and haul road, an area to the west of the Pacific Zone, and an area below the leach pad and reclaim ponds.

Two seed mixes were acquired by Viceroy Minerals Corporation in 2003.

The 'wet site' seed mix consisted of:

Common Name	Scientific Name	Percentage by Weight
Violet Wheatgrass	<i>Agropyron violaceum</i>	33%
Fowl Bluegrass	<i>Poa palustris</i>	33%
Alkaligrass	<i>Puccinellia distans</i>	13%
Tufted Hairgrass	<i>Deschampsia caespitosa</i>	13%
White Clover	<i>Trifolium repens</i>	8%

The 'leach pad' mix consisted of:

Common Name	Scientific Name	Percentage by Weight
Slender Wheatgrass	<i>Agropyron trachycaulus</i>	50%
Kentucky Bluegrass	<i>Poa pratensis</i>	20%
Red Fescue	<i>Festuca rubra</i>	20%
Alfalfa	<i>Medicago sativa</i>	10%

These two seed mixes were used to revegetate a number of areas of the mine site between 2003 and 2006 (see Sections 2.0 and 3.0).

Alexco Resources Inc. acquired a new seed mix in early 2006.

The 'Brewery Creek Blend' consisted of:

Common Name	Scientific Name	Percentage by Weight
Violet Wheatgrass	<i>Agropyron violaceum</i>	36%
Ticklegrass	<i>Agrostis scabra</i>	15%
Sheep Fescue	<i>Festuca ovina</i>	14%
Rocky Mountain Fescue	<i>Festuca saximontana</i>	14%
Glaucous Bluegrass	<i>Poa glauca</i>	11%
Alfalfa	<i>Medicago sativa</i>	10%

This seed mix was used to revegetate a number of areas of the mine site in 2006 (see Section 3.0).

As detailed in Section 7 of the Heap Leach Pad Cover and Facilities Monitoring Program, and Section 6 of the Blue Zone Monitoring and Assessment Program, annual terrestrial monitoring is to be conducted on the vegetation on the Leach Pad and in the Blue Zone

WRSA. Three 5m X 5m permanent monitoring plots were therefore established in 2005 at each of the following locations:

Blue Zone WRSA
Leach Pad
Control (West of Pacific Zone)

The Blue Zone WRSA and the Leach Pad were both seeded in the fall of 2003 with the 'leach pad' seed mix. The control plot was seeded in the fall of 2001 with the 'Brewery Creek' seed mix (see Section 2.2).

A survey of the permanent monitoring plots and other revegetated areas was carried out in July 2005. Survey methods and results are presented in a report by Laberge Environmental Services (2006). The permanent monitoring plots and other revegetated areas were resurveyed on July 19th and 20th, 2006. The results of the 2006 survey are presented in this report.

2.0 2006 Survey of Permanent Monitoring Plots

2.1 Survey Methods

At each plot the following information was recorded:

- UTM coordinates
- Elevation, slope and aspect
- Vegetative cover using the following 5 grades:
 - 0-1%
 - 1-12.5%
 - 12.5-25%
 - 25-50%
 - 50-100%
- Seeded species composition
- Natural colonization by other plant species
- Root depth penetration of seeded species
- In-situ soil pH
- In-situ soil moisture (% relative saturation at bottom of test pit)
- Evidence of erosion

Site photographs were also taken.

2.2 Survey Results

Photographs of all the assessed sites are presented in Appendix A. Although at first glance it may appear that patches of the vegetated sites are dead, this is due to the pinkish-brown colour of fescue grasses, which are common throughout most of the seeded areas, and the beige colour of the wheatgrasses, ticklegrass and tufted hairgrass.

Blue WRSA - Seeded in the Fall of 2003

Seed mix included:	Slender Wheatgrass	(<i>Agropyron trachycaulus</i>)	50%
	Kentucky Bluegrass	(<i>Poa pratensis</i>)	20%
	Red Fescue	(<i>Festuca rubra</i>)	20%
	Alfalfa	(<i>Medicago sativa</i>)	10%

Table 1 Blue WRSA Plots

	Plot 1	Plot 2	Plot 3
UTM Coordinates	07W 0633674E 7105241N	07W 0633716E 7105262N	07W 0633755E 7105257N
Elevation (m)	815	815	807
Estimated Slope (°)	30	35	35
Aspect	South	South	South
In-situ Soil pH	6.9	7.0	6.9
In-situ Soil Moisture (% relative saturation)	28	27	22
Vegetative Cover (%)	25-50	50-100	25-50
Species Composition (seeded species in order of dominance)	Red Fescue Slender Wheatgrass Kentucky Bluegrass Alfalfa	Slender Wheatgrass Red Fescue Alfalfa Kentucky Bluegrass	Slender Wheatgrass Red Fescue Kentucky Bluegrass Alfalfa
Root Depth Penetration (mm)	S. Wheatgrass 120 R. Fescue 90 K. Bluegrass 85 Alfalfa 130	S. Wheatgrass 90 R. Fescue 100 K. Bluegrass 95 Alfalfa 270	S. Wheatgrass 80 R. Fescue 80 K. Bluegrass 75 Alfalfa 210
Other Species	None	Arctic Lupine	Arctic Lupine
Evidence of Erosion	1 small gully with depth of about 40 mm	none	1 gully with maximum depth of 90 mm (240 mm wide)
Additional Comments	Plot located over lysimeter All seeded grass species in seed, alfalfa in flower Photographs taken	All seeded grass species in seed, alfalfa in flower Photographs taken	All seeded grass species in seed, alfalfa in flower Photographs taken

Leach Pad - Seeded in the Fall of 2003

Seed mix included:

Slender Wheatgrass	(<i>Agropyron trachycaulus</i>)	50%
Kentucky Bluegrass	(<i>Poa pratensis</i>)	20%
Red Fescue	(<i>Festuca rubra</i>)	20%
Alfalfa	(<i>Medicago sativa</i>)	10%

Table 2 Leach Pad Plots

	Plot 1	Plot 2	Plot 3
UTM Coordinates	07W 0632807E 7104611N	07W 0632716E 7104655N	07W 0632856E 7104587N
Elevation (m)	859	849	853
Estimated Slope (°)	0	<10	20
Aspect	Neutral	North	Southeast
In-situ Soil pH	6.8	6.7	6.9
In-situ Soil Moisture (% relative saturation)	52	44	33
Vegetative Cover (%)	50-100	50-100	50-100
Species Composition (seeded species in order of dominance)	Red Fescue Kentucky Bluegrass Slender Wheatgrass Alfalfa	Red Fescue Slender Wheatgrass Kentucky Bluegrass Alfalfa	Slender Wheatgrass Red Fescue Alfalfa Kentucky Bluegrass
Root Depth Penetration (mm)	S. Wheatgrass 105 R. Fescue 120 K. Bluegrass 100 Alfalfa 280	S. Wheatgrass 115 R. Fescue 100 K. Bluegrass 170 Alfalfa 195	S. Wheatgrass 150 R. Fescue 95 K. Bluegrass 115 Alfalfa 190
Other Species	Fireweed Tansy Mustard Annual Hawk'sbeard Raspberry Common Horsetail Ticklegrass Foxtail Barley	Arctic Lupine	Annual Hawk'sbeard Tansy Mustard Arctic Lupine
Evidence of Erosion	None	None	2 gullies with maximum depth of 50 mm
Additional Comments	All seeded grass species in seed, Alfalfa in flower Caribou droppings on plot Wasp's nest on plot Photographs taken	All seeded grass species in seed, Alfalfa in flower Lots of litter from previous year's growth Caribou droppings on plot Many insects and one caterpillar on plot Photographs taken	All seeded grass species in seed, Alfalfa in flower Caribou droppings on plot Grasshoppers on plot Photographs taken

Control (West of Pacific Zone) - Seeded in the Fall of 2001

Seed mix included:	Violet Wheatgrass	(<i>Agropyron violaceum</i>)	35%
	Slender Wheatgrass	(<i>Agropyron trachycaulus</i>)	13%
	Fowl Bluegrass	(<i>Poa palustris</i>)	16%
	Alpine Bluegrass	(<i>Poa alpina</i>)	13%
	Sheep Fescue	(<i>Festuca ovina</i>)	13%
	Rocky Mountain Fescue	(<i>Festuca saximontana</i>)	10%

Table 3 Control Plots

	Plot 1	Plot 2	Plot 3
UTM Coordinates	07W 0632890E 7105434N	07W 0632899E 7105457N	07W 0632920E 7105520N
Elevation (m)	837	838	835
Estimated Slope (°)	0	0	0
Aspect	Neutral	Neutral	Neutral
In-situ Soil pH	6.9	7.0	6.7
In-situ Soil Moisture (% relative saturation)	42	39	48
Vegetative Cover (%)	50-100	50-100	25-50
Species Composition (seeded species in order of dominance)	Fowl Bluegrass Rocky Mountain/ Sheep Fescue Violet/Slender Wheatgrass Alpine Bluegrass	Fowl Bluegrass Rocky Mountain/ Sheep Fescue Violet/Slender Wheatgrass Alpine Bluegrass	Rocky Mountain/ Sheep Fescue Fowl Bluegrass Alpine Bluegrass Violet/Slender Wheatgrass
Root Depth Penetration (mm)	V/S Wheatgrass 140 RM/S Fescue 130 F Bluegrass 110	V/S Wheatgrass 120 RM/S Fescue 105 F Bluegrass 110	V/S Wheatgrass 105 RM/S Fescue 110 F Bluegrass 110
Other Species	Fireweed Tall Jacob's Ladder Goldenrod Red Fescue	Fireweed Arctic Lupine Bear Root Tall Jacob's Ladder Common Dandelion Common Horsetail Common Timothy	Fireweed Common Timothy
Evidence of Erosion	None	None	None
Additional Comments	All seeded grass species in seed Lots of grass litter from previous years' growth Photographs taken	All seeded grass species in seed Lots of grass litter from previous years' growth Photographs taken	All seeded grass species in seed Lots of grass litter from previous years' growth Photographs taken

2.3 Discussion

- The pH of the soil samples from the plots were slightly more alkaline than in 2005, ranging from 6.7 to 7.0.
- The soil was significantly wetter in 2006 at the Blue Zone WRSA and the Leach Pad plots, but very similar at the control plots.
- The grades of vegetative cover remained the same at each of the plots except for an increase in cover at Plot 3 on the Leach Pad.
- The species composition of each plot was generally the same as in 2005 although at some of the plots the first two species were exchanged.
- There was a significant increase in the root depths of all the species at most of the plots.
- Overall there was an increase in the number of native species invading the plots. However, tufted hairgrass was documented in some of the plots in the Blue Zone WRSA and on the Leach Pad in 2005 but was absent in 2006.
- It appears that the eroded gullies documented in the Blue Zone WRSA plots in 2005 have been filling in.

3.0 Survey of Other Revegetated Areas

3.1 Survey Methods

A brief visual survey of other recently seeded areas of the mine site was carried out. These areas were located with the assistance of the site manager. The survey included an estimation of the overall vegetative cover, a non-quantitative seeded species composition and a record of other plant species observed colonizing the area.

3.2 Survey Results

Blue Inpit Backfill

Approximately 4.9 ha were drill-seeded in the fall of 2003 using the wet area seed mix.

Overall vegetative cover is about 80%, although a few areas have a thinner cover and a few spots were missed by the seeder.

The seeded cover is mostly Violet Wheatgrass and Tufted Hairgrass, with very little Fowl Bluegrass. White Clover is sparse and there was no evidence of Alkaligrass in 2006.

Colonizing species observed included Raspberry (*Rubus idaeus*), Lamb's-quarters (*Chenopodium album*), Common Timothy (*Phleum pratense*), Foxtail Barley (*Hordeum jubatum*) and Red Fescue (*Festuca rubra*).

Moosehead

Approximately 3.0 ha were broadcast-seeded by ATV in the fall of 2003 using the wet area seed mix.

The vegetative cover is variable, ranging from near-bare patches to 80%.

The seeded cover is mostly Tufted Hairgrass, with much less Violet Wheatgrass and Fowl Bluegrass. Alkaligrass and White Clover are sparse. In 2005 Violet Wheatgrass was the dominant species.

Colonizing species observed included Black Spruce (*Picea mariana*), Alaska Birch (*Betula neoalaskana*), Raspberry (*Rubus idaeus*), Prickly Rose (*Rosa acicularis*), Fireweed (*Epilobium angustifolium*), Arctic Lupine (*Lupinus arcticus*), Rock Harlequin (*Corydalis semipervirens*), Annual Hawk's-beard (*Crepis tectorum*), Blue-joint Reedgrass (*Calamagrostis canadensis*), Foxtail Barley (*Hordeum jubatum*) and Alpine Bluegrass (*Poa alpina*).

Moosehead Road and Main Haul Road West of Moosehead Zone

This area was seeded in the spring of 2006 with the new Brewery Creek Blend.

The area still has a very sparse vegetative cover (about 5% mainly in depressions). At the time of the survey the seeded plants were not yet sufficiently developed for identification.

Kokanee Above Pit

Approximately 11.0 ha were broadcast-seeded by ATV in the fall of 2003 using the wet area seed mix.

The vegetative cover is variable, ranging from 60 to 80%.

The seeded cover is dominated by a heavy growth of White Clover, along with Violet Wheatgrass, Fowl Bluegrass and Tufted Hairgrass. There is little evidence of Alkaligrass.

Colonizing species observed included Fireweed (*Epilobium angustifolium*), Annual Hawk's-beard (*Crepis tectorum*), Wormwood (*Artemisia* sp.) and Blue-joint Reedgrass (*Calamagrostis canadensis*).

Kokanee Inpit Backfill

Approximately 5.0 ha were broadcast-seeded by ATV in the fall of 2003 using the wet area seed mix.

The vegetative cover is variable, ranging from 60 to 80%.

The upper slopes are dominated by Fowl Bluegrass with some Tufted Hairgrass. Violet Wheatgrass is sparse. There is a heavy, although patchy, growth of White Clover. The west side of the slope has a considerable growth of Red Fescue and Kentucky Bluegrass (leach pad mix?).

Colonizing species observed included Annual Hawk's-beard (*Crepis tectorum*) and Shepherd's-purse (*Capsella bursa-pastoris*).

North Golden Inpit Backfill

Approximately 11.2 ha were broadcast-seeded by ATV in the fall 2003 using the wet area seed mix. The upper slopes were seeded in the fall of 2005 with the wet area seed mix and in the spring of 2006 with the new Brewery Creek blend.

The area has good cover, ranging from 70-90%, with the exception of a few small patches on the slope that were missed by the seeder.

The seeded cover is dominated by Violet Wheatgrass and White Clover, with lesser amounts of Fowl Bluegrass and Tufted Hairgrass. A few patches have lots of Violet Wheatgrass, Fowl Bluegrass and Tufted Hairgrass but no White Clover. Alkaligrass was not observed at this site. There are also patches of Kentucky Bluegrass and Red Fescue (leach pad mix?).

The newly seeded upper slopes have a cover ranging from 20% to 60%.

This seeded cover is dominated by Violet Wheatgrass and Alfalfa, with lesser amounts of Fowl Bluegrass, Tufted Hairgrass and Sheep Fescue.

Colonizing species observed include Balsam Poplar (*Populus balsamifera*), Felt-leaf Willow (*Salix alexensis*), Annual Hawk's-beard (*Crepis tectorum*), Fireweed (*Epilobium angustifolium*), Alpine Bluegrass (*Poa alpina*) and Ticklegrass (*Agrostis scabra*).

Lucky

Approximately 4.3 ha were broadcast-seeded by ATV in the fall 2003 using the wet area seed mix.

The area has good cover, up to 100% in most areas.

The seeded cover is dominated by Tufted Hairgrass, Violet Wheatgrass and White Clover, with lesser amounts of Fowl Bluegrass. There is no evidence of Alkaligrass but a small amount was present in 2005.

Colonizing species observed include Alaska Birch (*Betula neoalaskana*), Willow (*Salix* sp.), Raspberry (*Rubus idaeus*), Annual Hawk's-beard (*Crepis tectorum*), Fireweed (*Epilobium angustifolium*), Arctic Dock (*Rumex arcticus*), Common Yarrow (*Achillea millefolium*), Siberian Yarrow (*Achillea sibirica*), Fleabane (*Erigeron* sp.), Common Timothy (*Phleum pratense*), Blue-joint Reed Grass (*Calamagrostis Canadensis*), Ticklegrass (*Agrostis scabra*) and Horsetail (*Equisetum* sp.).

Upper Fosters

Approximately 8.0 ha were broadcast-seeded by ATV in the fall 2003 using the wet area seed mix.

The area has good cover on the lower flats, up to 90%, with a much thinner growth (about 50%) on the upper slopes.

The seeded cover is dominated by Violet Wheatgrass, Tufted Hairgrass and Fowl Bluegrass with thick patches of White Clover. Alkaligrass was not observed at this site.

Colonizing species observed include Alaska Birch (*Betula neoalaskana*), Willow (*Salix* sp.), Raspberry (*Rubus idaeus*), Annual Hawk's-beard (*Crepis tectorum*), Fleabane (*Erigeron* sp.), Common Timothy (*Phleum pratense*), Blue-joint Reed Grass (*Calamagrostis Canadensis*), Ticklegrass (*Agrostis scabra*), Bearded Wheatgrass (*Agropyron subsecundum*), Foxtail Barley (*Hordeum jubatum*) and Wood Rush (*Luzula parviflora*).

Canadian Stockpile

Approximately 1.0 ha was drill-seeded in the fall 2003 using the wet area seed mix.

The area has very good cover, nearing 100% overall.

The seeded cover is dominated by Violet Wheatgrass and White Clover, with lesser amounts of Fowl Bluegrass and Tufted Hairgrass. Alkaligrass occurs only at the base of the slope.

Colonizing species observed include Annual Hawk's-beard (*Crepis tectorum*), Common Yarrow, (*Achillea millefolium*), Blue-joint Reed Grass (*Calamagrostis Canadensis*) Foxtail Barley (*Hordeum jubatum*) and Brome Grass (*Bromus pumpellianus*).

Canadian Waste Rock Storage Area

Approximately 9.2 ha were seeded in the fall of 1997 with a bulk mixer truck using the 'Brewery Creek' seed mix. This mix included:

Fowl Bluegrass	(<i>Poa palustris</i>)	17%
Kentucky Bluegrass	(<i>Poa pratensis</i>)	16%
Wild Rye	(<i>Elymus</i> sp)	16%

Sheep Fescue	(<i>Festuca ovina</i>)	16%
Red Fescue	(<i>Festuca rubra</i>)	12%
Common Timothy	(<i>Phleum pratense</i>)	10%
Alsike Clover	(<i>Trifolium hybridum</i>)	8%
Alfalfa	(<i>Medicago sativa</i>)	5%

This area has a variable cover, ranging from a few nearly bare patches to 100%.

The seeded cover is dominated by Fowl Bluegrass, Red Fescue and Common Timothy, with lesser amounts of Sheep Fescue, which occurs in patchy, dense clumps. There are also large patches of Alsike Clover and Alfalfa. There was no evidence of Kentucky Bluegrass or Wild Rye.

Colonizing species observed include Trembling Aspen (*Populus tremuloides*), Willow (*Salix* sp.), Fireweed (*Epilobium angustifolium*), Annual Hawk's-beard, (*Crepis tectorum*), Common Yarrow (*Achillea millefolium*), Smooth Brome (*Bromus inermis*) and Blue-joint Reed Grass (*Calamagrostis canadensis*).

Pacific

Approximately 11.7 ha were broadcast-seeded in the fall of 2001 using the second 'Brewery Creek' seed mix. This mix included:

Violet Wheatgrass	(<i>Agropyron violaceum</i>)	35%
Slender Wheatgrass	(<i>Agropyron trachycaulus</i>)	13%
Fowl Bluegrass	(<i>Poa palustris</i>)	16%
Alpine Bluegrass	(<i>Poa alpina</i>)	13%
Sheep Fescue	(<i>Festuca ovina</i>)	13%
Rocky Mountain Fescue	(<i>Festuca saximontana</i>)	10%

This steep slope has a variable cover, ranging from 50-100%.

The seeded cover is dominated by Fowl Bluegrass, Violet and Slender Wheatgrass, Sheep and Rocky Mountain Fescue, with lesser amounts of Alpine Bluegrass.

Colonizing species observed include Fireweed (*Epilobium angustifolium*), Arctic Dock (*Rumex arcticus*), Common Timothy (*Phleum pratense*) and Blue-joint Reed Grass (*Calamagrostis canadensis*).

Main Haul Road

Approximately 24.0 ha were broadcast-seeded by ATV in the spring of 2005 using the leach pad seed mix.

The main haul road now has good cover ranging from 70-100%.

The main haul road cover is a fairly even mix of Slender Wheatgrass, Kentucky Bluegrass, Red Fescue and Alfalfa.

Colonizing species observed include Annual Hawk's-beard (*Crepis tectorum*), Shepherd's-purse (*Capsella bursa-pastoris*) and Fireweed (*Epilobium angustifolium*).

Flanks of Main Haul Road West of Canadian Zone at Stream Crossing

This area was seeded in the fall of 2005 with the leach pad mix and in the spring of 2006 with the new Brewery Creek blend.

It has a good vegetative cover (up to 70%).

The seeded cover is dominated by a heavy cover of Alfalfa and Violet/Slender Wheatgrass with a little Red Fescue and Kentucky Bluegrass.

Colonizing species include patches of Annual Hawk's-beard (*Crepis tectorum*).

Valve House Road

This area was seeded in the fall of 2005 and the spring of 2006 with the wet area seed mix. It already has a good vegetative cover (up to 90%).

The seeded cover is dominated by Violet Wheatgrass and White Clover, with some Fowl Bluegrass and Tufted Hairgrass. There no evidence of Alkaligrass.

Colonizing species include Annual Hawk's-beard (*Crepis tectorum*), Tansy Mustard (*Descurainia incana*), Common Timothy (*Phleum pratense*) and Foxtail Barley (*Hordeum jubatum*).

Pipe Laydown Area

This area was seeded in the spring of 2006 with the new Brewery Creek blend.

The area now has a vegetative cover of about 40%. At the time of the survey the seeded plants were not yet sufficiently developed for identification.

Colonizing species include Annual Hawk's-beard (*Crepis tectorum*), Tansy Mustard (*Descurainia incana*), Shepherd's-purse (*Capsella bursa-pastoris*), Common Timothy (*Phleum pratense*) and Foxtail Barley (*Hordeum jubatum*).

Laura Creek Road and Lysimeter Access

This area was seeded in the spring of 2006 with the new Brewery Creek blend.

The area has a sparse vegetative cover of about 20%. At the time of the survey the seeded plants were not yet sufficiently developed for identification.

Colonizing species include Fireweed (*Epilobium angustifolium*), Shepherd's-purse (*Capsella bursa-pastoris*), Alaskan Knotweed (*Polygonum alaskanum*), Pineappleweed (*Matricaria matricarioides*) and Common Horsetail (*Equisetum arvense*).

Pond Bypass Road

This area was seeded in the spring of 2006 with the wet area seed mix.

The area has a vegetative cover of about 70%.

The seeded cover includes dense patches of White Clover with some Violet Wheatgrass, Tufted Hairgrass and Fowl Bluegrass. There is no evidence of alkaligrass.

Colonizing species include Annual Hawk's-beard (*Crepis tectorum*), Common Yarrow (*Achillea millefolium*), Red Clover (*Trifolium pratense*), Common Timothy (*Phleum pratense*) and Smooth Brome (*Bromus inermis*).

ADR Building Site

This area was seeded in the spring of 2006 with the wet area seed mix.

The area has a vegetative cover of about 60% on the level ground but only 5% on the slope above.

The seeded cover includes patches of White Clover with some Violet Wheatgrass, Tufted Hairgrass and Fowl Bluegrass. There is no evidence of Alkaligrass.

Colonizing species include Annual Hawk's-beard (*Crepis tectorum*), Common Yarrow (*Achillea millefolium*), White Sweet Clover (*Melilotus alba*), Tansy Mustard (*Descurainia incana*) and Foxtail Barley (*Hordeum jubatum*).

Treatment Pond Area

This area was seeded in the fall of 2005 with the wet area seed mix.

The area has a variable vegetative cover ranging from 20% to 60%.

The seeded cover consists of patches of White Clover with some Fowl Bluegrass. There is no evidence of the other seeded species.

Colonizing species include Raspberry (*Rubus idaeus*), Annual Hawk's-beard (*Crepis tectorum*), Red Clover (*Trifolium pratense*), Fireweed (*Epilobium angustifolium*), Rock Harlequin (*Corydalis sempervirens*), Sheep Fescue (*Festuca ovina*), Smooth Brome (*Bromus inermis*) and Common Timothy (*Phleum pratense*).

Shale Hill

This area was seeded in the spring of 2006 with the new Brewery Creek Blend.

The area still has a very sparse vegetative cover (about 5%). At the time of the survey the seeded plants were not yet sufficiently developed for identification.

No naturally colonizing plant species were observed.

Corner of ER and Main Haul Road

This area was seeded in the spring of 2006 with the new Brewery Creek Blend.

The area still has a very sparse vegetative cover (about 5%). At the time of the survey the seeded plants were not yet sufficiently developed for identification.

Colonizing species include Annual Hawk's-beard (*Crepis tectorum*), Fireweed (*Epilobium angustifolium*), Rock Harlequin (*Corydalis sempervirens*), Arctic Lupine (*Lupinus arcticus*) and Foxtail Barley (*Hordeum jubatum*).

3.3 DISCUSSION

- The areas seeded in 2003 generally had a good vegetative cover at the time of the 2006 survey. The cover at some sites was patchy, particularly on the steeper slopes. This probably results from the increased difficulty in seeding these steeper sites and the erodability of seeds by wind and water before germination can occur.
- At the time of the 2006 survey, it was too early to properly assess the revegetation at the newly seeded sites (seeded in the fall of 2005 and the spring of 2006). The 2007 survey should provide a better indication of the success rate in these areas.
- Good colonization of native plants at all of the seeded areas, including those seeded in the spring of 2006 was observed in July 2006. The only exception to this was Shale Hill where no invading plants were observed.

4.0 RECOMMENDATIONS

As mentioned in the 2005 assessment report, new control test plots should be established farther from the mine site (possibly along the main access road). The new plots should be seeded with the same seed mix that was applied to the test plots on the Blue Zone WRSA and the Leach Pad. These new plots would assist in the investigation into the uptake of metals by seeded plant species (to be analyzed again in 2009).

5.0 REFERENCES

- Laberge Environmental Services. 2006. Brewery Creek Mine 2005 Revegetation Assessment. Site Assessment Report Prepared for Alexco Resources Corp.
- Viceroy Minerals Corporation. March 2005. Blue Zone Monitoring and Assessment Program. Prepared under the Brewery Creek Mine Decommissioning and Reclamation Plan.
- Viceroy Minerals Corporation. March 2005. Heap Leach Pad Cover and Facilities Monitoring Program. Prepared under the Brewery Creek Mine Decommissioning and Reclamation Plan.

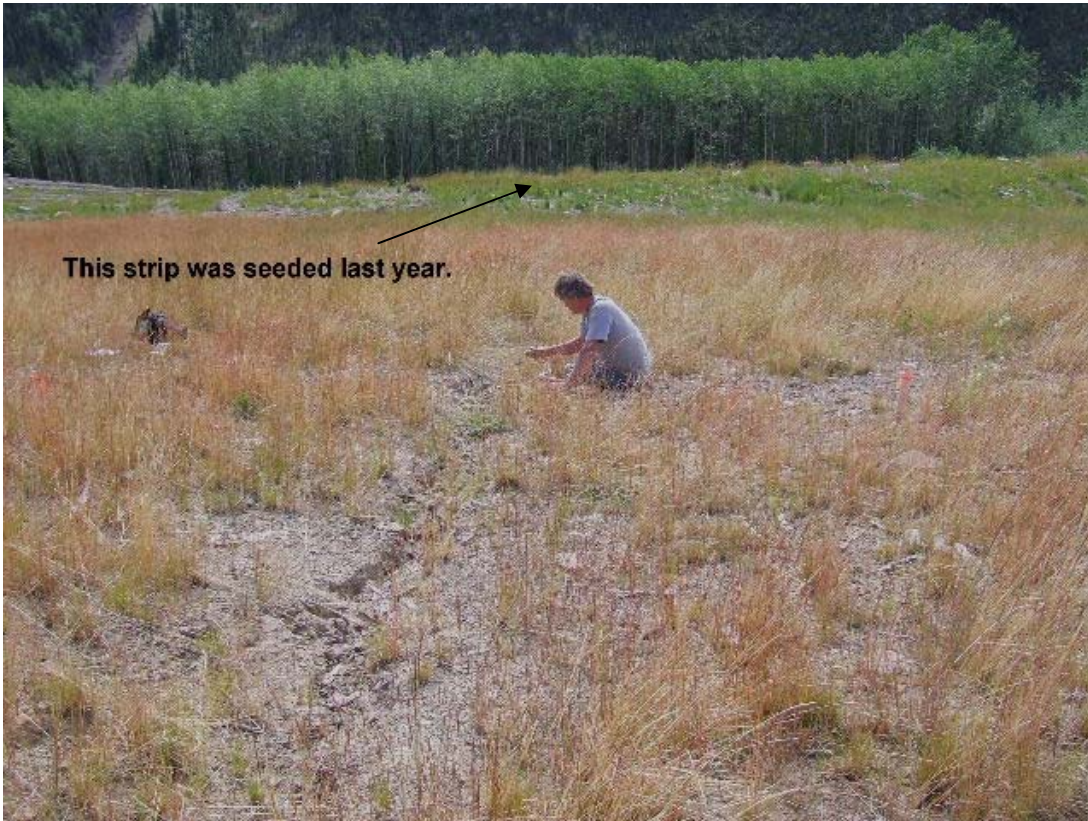
Appendix A Photographic Record



Blue Zone: looking down slope at Plot # BZ-1. July 19, 2006.



Blue Zone: looking west to Plot # BZ-2. July 19, 2006.



Blue Zone: looking down slope to Plot # BZ-3. July 19, 2006. Note gully that bisects plot.



Leach Pad: Plot # LP-1. July 16, 2006.



Leach Pad: Plot # LP-2 located on the northwest facing slope. July 19, 2006.



Leach Pad: Plot # LP-3 located on the east side of the leach pad. July 19, 2006.



Control: Plot # C-1 looking south. July 20, 2006.



Control: Plot # C-3 looking south. July 20, 2006.



Blue Zone Inpit Backfill from Canadian Knoll, July 19, 2006.



Moosehead: The seeded cover is mostly Tufted Hairgrass. July 19, 2006.



Kokanee: Backfilled pit area. July 19, 2006.



Golden: Good cover dominated by violet wheatgrass and white clover. July 19, 2006.



North Golden: newly seeded upper area looking toward Bohemian. July 19, 2006.



Lucky: Looking toward pit. July 19, 2006.



Upper Fosters: Although the pale colour of the wheatgrass and tufted hairgrass appear dead, the plants are viable and reproducing.



Fosters: Looking toward Haul Road. July 19, 2006.



Canadian Stockpile: Looking up slope. July 20, 2006.



Canadian Knoll: Natural invasion of aspen trees on south slope. July 20, 2006.



Haul Road just north of Canadian Zone. July 19, 2006



Flanks of Haul Road at one of the stream crossings. July 19, 2006.



Valve House Road. July 19, 2006.



Pipe Lay Down Area. July 19, 2006.



Lysimeter Access and Laura Creek Road. July 19, 2006.



Pond Bypass Road. July 19, 2006.



ARD and Lab building site. July 19, 2006.



Treatment Pond Area. July 19, 2006.



Shale Hill looking towards Blue Zone. July 19, 2006.



Corner of ER and the Main Haul Road looking toward Pacific Zone. July 19, 2006.

Appendix G

BIO-ASSAY REPORTS

Golder Associates Ltd.

195 Pemberton Avenue
North Vancouver, British Columbia, Canada V7P 2R4
Telephone 604-986-4331
Fax 604-662-8548



E/06/0912
05-1424-010

June 27, 2006

Alexco Resource Corp.
2300 – 200 Granville St
Vancouver, BC V6C 1S4

Attention: Mr. Brad Thrall

**RE: TOXICITY TESTING ON SAMPLES IDENTIFIED AS BC-28 AND
PREG POND (COLLECTED ON MAY 30, 2006)
WORK ORDER: 0600232**

Dear Mr. Thrall:

We have conducted two 96-h LC50 toxicity tests using rainbow trout on the above samples, received at Golder Associates Ltd. North Vancouver Toxicology Laboratory on May 31, 2006. The tests were performed according to the Environment Canada protocol for conducting acute toxicity tests using rainbow trout (EPS 1/RM/13, Second Edition, 2000). The results of these tests are based on the appended data and are presented in Table 1.

If you wish to schedule additional testing or have any questions regarding the data presented in this report, please do not hesitate to contact me by e-mail (rharrison@golder.com) or telephone.

Yours very truly,

GOLDER ASSOCIATES LTD.

A handwritten signature in black ink, appearing to read 'R. Harrison'.

Robert Harrison, B.Sc. Hons.
Laboratory Biologist – Fish Team

Verified By:

A handwritten signature in black ink, appearing to read 'Julianna Kalocai'.

QA/QC Committee:
Julianna Kalocai, M.Sc.
Barri Rudolph, B.Sc.

Attachment: Table 1

REH/akm

O:\Data\Final\2005\1424\05-1424-010\LETREP 0627_06 Alexco Tox Test WO 0600232.doc



**TABLE 1:
96-h Toxicity Test Results**

Sample Identification	Sample Collection Date (Time)	96-h LC50 (95% Confidence Limits) [% vol/vol]
BC-28	May 30, 2006 (1150h)	> 100
Preg Pond	May 30, 2006 (1200h)	> 100

Toxicity testing was carried out in accordance with applicable test methodologies and/or standards of practice. Our liability is limited solely to the cost of re-testing in the event of non-compliance with such test specifications or standards of practice. Golder accepts no responsibility or liability for the interpretation or use of these testing results by others, nor for any delay, loss, damage or interruptions of testing, collection, preparation, and delivery of samples or test results resulting from events or circumstances beyond our control.

**GOLDER ASSOCIATES-NORTH VANCOUVER LABORATORY
RAINBOW TROUT ACUTE TOXICITY TEST DATA SUMMARY**

Client Alexco
 Lab Project No. 05-1424-010
 Lab Work Order No. 0600232

Lab Analysts RTH, LOC
 Test Type 96-h LC50
 Test Initiation Date 2-Jun-06

SAMPLE

Identification BC-28
 Amount Received 1 x 20L
 Date Collected 30-May-06
 Date Received 31-May-06
 Other -

DILUTION/CONTROL WATER (initial water quality)

Fresh Water (dechlorinated) ✓
 Temperature (°C) 15
 pH 6.9
 Dissolved Oxygen (mg/L) 10.1
 Conductivity (µS/cm) 36
 Hardness (mg/L as CaCO₃) 12
 Alkalinity (mg/L as CaCO₃) 14
 Other -

TEST SPECIES INFORMATION

Source Spring Valley
 Collection Date/Batch 042706
 Control Fish Size (mean, SD and range measured at end of test)
 Date Measured 6-Jun-06
 Fork Length (mm) 36 ± 1 (34-37)
 Wet Weight (g) 0.49 ± 0.05 (0.44-0.58)
 Reference Toxicant SDS
 Current Reference Toxicant Result
 Reference Toxicant Test Date May 11/06
 Duration of Acclimation (days) 14
 96-h LC50 (and 95% CL) 24 (18 and 32) µg/L
 Reference Toxicant Warning Limits (mean ± 2SD) and CV
~~Ref~~ Q ± 13 µg/L SDS CV: 22%
29

TEST CONDITIONS

Dissolved Oxygen Range (mg/L) 9.0 - 10.1
 Temperature Range (°C) 15.0
 pH Range 6.1 - 8.2
 Conductivity Range (µS/cm) 36 - 749
 Aeration Provided? (give rate) 6.5 L/min/m³ L
 Photoperiod (L:D h) 16:8
 No. Organisms/Volume 10 / 10L
 Loading Density (g/L) 0.49
 Acclimation Before Testing (days) ~~35~~ 56
 Mortality In Previous Week of Acclimation (%) 1-7%
 Other _____

TEST RESULTS

The estimated LC50 value is greater than 100% (1/0)

Data Verified By Galpin

Date Verified June 28/06

GOLDER ASSOCIATES-NORTH VANCOUVER LABORATORY
RAINBOW TROUT ACUTE TOXICITY TEST DATA

WHOLE SAMPLE WATER QUALITY

Temp. (°C)	Initial pH	pH Adjustment ¹	After 30-min Pre-aeration
15			15
8.1			8.2
9.8			9.8
730			734

¹ Document pH adjustment procedure (if used) under "Comments".

Client Alexco
 Lab Project No. 05-1424-010
 Lab Work Order No. 0600232
 Trout Batch No. and 7-d Acclimation Mortality 49706/1.7%
 No. Fish/Volume 10/10L
 Sample ID BC-28
 Date/Time Collected May 30/06 @ 130
 Test Initiation Date/Time June 2/06 @ 1515

Total Pre-Aeration Time 30 min

Concentration % (v/v)	Number of Survivors (1 to 96 hours)						Dissolved Oxygen (mg/L)						Temperature (°C)						pH						Conductivity (µS/cm)		
	1	2	4	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	96	0	96
control				10	10	10	10	10.1	9.8	9.8	9.5	9.4	15	15	15	15	15	6.9	6.3	6.1	6.8	6.6	6.9	6.3	6.6	6.6	6.6
6.25				10	10	10	10	10.1	9.6	9.3	9.5	9.6	15	15	15	15	15	7.3	7.1	6.8	6.8	6.6	7.3	7.1	6.6	6.6	6.6
12.5				9	9	9	9	10.1	9.8	9.6	9.6	9.6	15	15	15	15	15	7.6	7.1	6.6	6.9	6.8	7.6	7.1	6.6	6.9	6.8
25				10	10	10	10	10.1	9.4	9.4	9.6	9.5	15	15	15	15	15	7.9	7.6	6.4	7.0	6.9	7.9	7.6	6.4	7.0	6.9
50				10	10	10	10	10.1	9.4	9.0	9.6	9.5	15	15	15	15	15	8.1	7.8	6.6	7.1	6.9	8.1	7.8	6.6	7.1	6.9
100				10	10	10	10	9.8	9.4	9.2	9.5	9.6	15	15	15	15	15	8.2	7.8	6.7	7.1	6.9	8.2	7.8	6.7	7.1	6.9
Technician Initials				~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~

WQ Instruments Used: Temperature Calibrated by the instrument pH II-A-07090102 DO II-A-14 Conductivity II-A-03036
 Sample Description light yellow
 Comments confirmed II-A-030301

Test Set Up By Rea Date Verified June 27/06
 Data Verified By Qajjh

GOLDER ASSOCIATES-NORTH VANCOUVER LABORATORY
RAINBOW TROUT ACUTE TOXICITY TEST DATA SUMMARY

Client Alexco
Lab Project No. 05-1424-010
Lab Work Order No. 0600232

Lab Analysts REH. LOC
Test Type 96-h LC50
Test Initiation Date 2-Jun-06

SAMPLE

Identification Preg Pond
Amount Received 1 x 20L
Date Collected 30-May-06
Date Received 31-May-06
Other _____

DILUTION/CONTROL WATER (initial water quality)

Fresh Water (dechlorinated)
Temperature (°C) 15.0
pH 6.9
Dissolved Oxygen (mg/L) 10.1
Conductivity (µS/cm) 36
Hardness (mg/L as CaCO₃) 12
Alkalinity (mg/L as CaCO₃) 14
Other -

TEST SPECIES INFORMATION

Source Spring Valley
Collection Date/Batch 042706
Control Fish Size (mean, SD and range measured at end of test)
Date Measured Jun 6/06
Fork Length (mm) 36 ± 1 (34-38)
Wet Weight (g) 0.48 ± 0.05 (0.42-0.58)
Reference Toxicant SDS
Current Reference Toxicant Result
Reference Toxicant Test Date May 11/06
Duration of Acclimation (days) 14
96-h LC50 (and 95% CL) 29 (18 and 32) µg/L
Reference Toxicant Warning Limits (mean ± 2SD) and CV
Ref SQ = 13 µg/L SDS CU = 22%
29

TEST CONDITIONS

Dissolved Oxygen Range (mg/L) 9.0-10.1
Temperature Range (°C) 15.0
pH Range 6.1-7.7
Conductivity Range (µS/cm) 36-589
Aeration Provided? (give rate) 6.5 L/min/m³/L
Photoperiod (L:D h) 16:8
No. Organisms/Volume 10/10L
Loading Density (g/L) 0.48
Acclimation Before Testing (days) 36
Mortality In Previous Week of Acclimation (%) 1.7%
Other _____

TEST RESULTS

The estimated LC50 value is greater than 100% (10).

Data Verified By Galfit

Date Verified June 28/06

GOLDER ASSOCIATES-NORTH VANCOUVER LABORATORY
RAINBOW TROUT ACUTE TOXICITY TEST DATA

WHOLE SAMPLE WATER QUALITY

	Initial	pH Adjustment ¹	After 30-min Pre-aeration
Temp. (°C)	15		15
pH	7.7	/	7.7
DO (mg/L)	9.7	/	9.7
Cond. (µS/cm)	586	/	584

1. Document pH adjustment procedure (if used) under "Comments".

Client Alexco
 Lab Project No. 05-1424-010
 Lab Work Order No. 0600232
 Trout Batch No. and 7-d Acclimation Mortality 042706@1.7%
 No. Fish/Volume 10/100
 Sample ID Preg Pond
 Date/Time Collected May 30/06 @ 1200
 Test Initiation Date/Time June 2/06 @ 1455

Total Pre-Aeration Time 30 min

Concentration <i>0% (0/0)</i>	Number of Survivors (1 to 96 hours)						Dissolved Oxygen (mg/L)						Temperature (°C)						pH						Conductivity (µS/cm)				
	1	2	4	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	96
<i>Control</i>				10	10	10	10	10.1	9.8	9.8	9.6	9.4	15	15	15	15	15	6.9	6.3	6.1	6.8	6.6	6.6	6.6	6.6	6.6	6.6	0	96
<i>0.25</i>				10	10	10	10	10.1	9.9	9.1	9.2	9.4	15	15	15	15	15	7.1	6.8	6.6	6.9	6.7	6.7	6.7	6.7	6.7	6.7	0	96
<i>12.5</i>				10	10	10	10	10.1	9.8	9.6	9.2	9.2	15	15	15	15	15	7.3	6.8	6.6	6.9	6.7	6.7	6.7	6.7	6.7	6.7	0	96
<i>25</i>				10	10	10	10	10.0	9.5	9.4	9.2	9.2	15	15	15	15	15	7.4	6.8	6.7	7.0	6.6	6.6	6.6	6.6	6.6	6.6	0	96
<i>50</i>				10	10	10	10	9.9	9.2	9.4	9.2	9.2	15	15	15	15	15	7.6	7.1	6.9	7.0	6.7	6.7	6.7	6.7	6.7	6.7	0	96
<i>100</i>				10	10	10	10	9.7	9.2	9.6	9.1	9.0	15	15	15	15	15	7.7	7.0	6.7	7.0	6.7	6.7	6.7	6.7	6.7	6.7	0	96
Technician Initials																													

WQ Instruments Used: Temperature Calibrated w/ thermometer pH #-A-030301/02 DO #-A-14 Conductivity #-A-030506
 Sample Description Chowdry, Vancouver
 Comments _____

Test Set Up By Reis Data Verified By Gajda Date Verified June 27/06

