Aurchem Exploration Ltd.

Temporary Closure and Reclamation Plan

July 30, 2012

Contents

1.0 Project Description

Aurchem has a 100% interest in 389 quartz mineral claims and 7 mineral leases covering approximately 7,543 hectares (18,640 acres) in the Yukon Territories of Canada, 65km west of the town of Carmacks. As shown in Figure 1, the Mount Nansen Property is in the southern portion of the Tintina Gold belt which extends from Donlin Creek in Alaska, through the Fairbanks District, the Pogo Deposit, and across the Yukon border where it incorporates such major producing deposits as the Brewery Creek Mine and Dublin Gulch.

Located approximately 65km west of Carmacks and 180km northwest of Whitehorse in the Yukon Territory [latitude: 62° 07′ N, longitude: 137° 08′ W, see Figure 2] within the Mount Nansen range, the property lies approximately 15km north of the former operating BYG Natural Resources mine and facility. The property is easily accessible from Carmacks by an all weather gravel road maintained up to the mine site by the Government of Yukon Highways and Public Works Department and within the property a network of roads and trails provides access to all of the workings and showings on the claims. The Klondike Highway connects Whitehorse to Carmacks and other points north and east.

Aurchem will operate a small 50t/day floatation mill on its Vic property (map attached). The project activities include ore obtained from an open vein, processing ore, camp construction for up to 10 people, use of up to 500 m3/day of water for milling purposes, use and upgrades on existing roads, and storage of water in settling ponds. The estimated mine life is approximately 5 years, but could be extended should ore grades warrant.

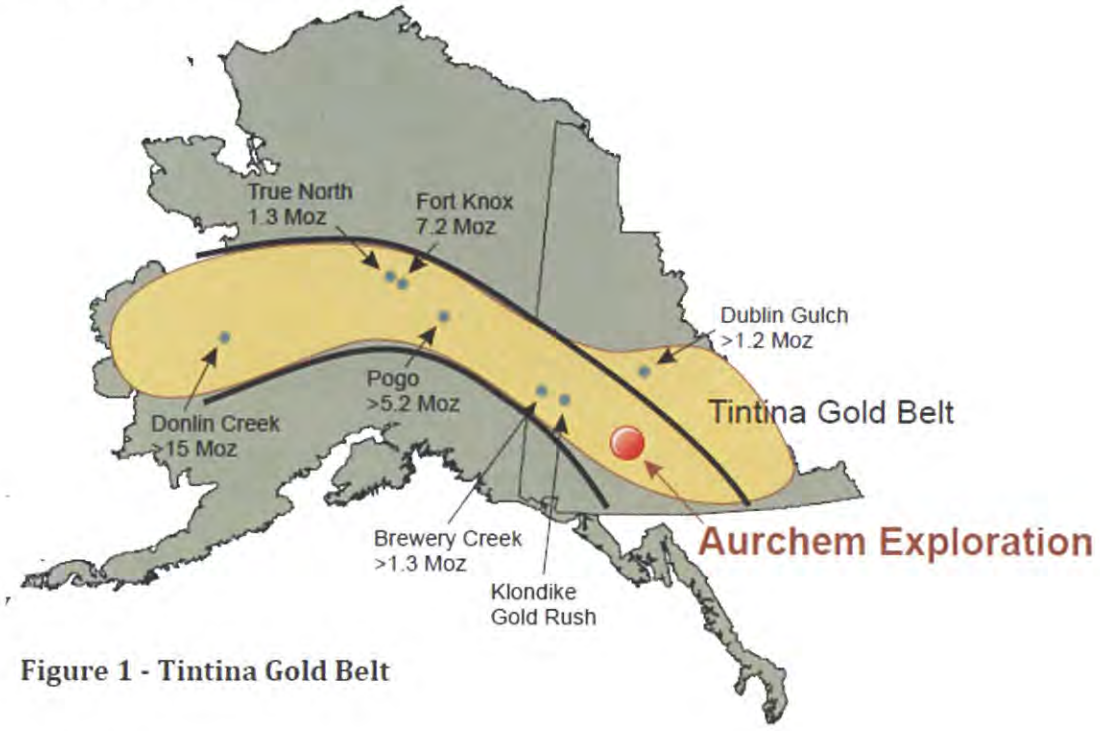


Figure 1 - Tintina Gold Belt

2.0 Temporary Closure

Aurchem's reclamation and temporary closure activities will include the following:

2.1 Backfilling open trenches and veins

Aurchem has already begun progressive reclamation activities by backfilling trenches and veins no longer in use in our exploration and mining activities (picture below). We will continue to backfill and re-grade trenches as we move along in our production phase. Once an area has been mined, and is no longer needed for any further exploration or mining activities, we will promptly re-fill it with the host rock and re-grade it to prevent water pooling and water erosion issues. We also will attempt to reseed disturbed areas with an approved seed mix, appropriate for reclaiming areas in the Yukon. We have one supplier in town, Arctic Alpine Seed, that has had proven success in the Yukon on reclaimed mine sites.

Reclaimed and re-contoured trench on Vic property

Existing Open Trench

2.2 Reclaiming access roads

There are only a few small roads on the Vic claim itself, plus the main access road to the property starting at the Klaza Creek crossing. Upon temporary closure, Aurchem will consult with the Little Salmon Carmacks First Nation to determine which roads should be completely reclaimed. The LSCFN uses our mine access roads for hunting and recreation. It may not be necessary to completely reclaim the access roads should LSCFN desire to use these roads in the future. Should LSCFN want the roads reclaimed, Aurchem will ensure that the natural runoff features are maintained, culverts (if any) are pulled, and the roads will be allowed to reseed naturally with grasses and willows. Roads will be graded, and left rough to allow for seeds to be captured on road surfaces.

2.3 Terrain Disturbances

Rutting or cuts made by equipment will be filled in and allowed to re-seed naturally. Below is a picture of the sump that was dug about 7 years ago in order to provide a water supply for the drilling. Upon temporary closure or final decommissioning of the site, this sump, along with other terrain disturbances, will be backfilled and re-contoured and seeded.

2.4 Water Quality and Water Management

During temporary closure, Aurchem will collect monthly water quality samples (May-September) from four stations (identified on map 4 in Appendix 3) for a period of 2 years following closure. Samples will be analyzed for dissolved and total metals and TSS. Any water management structures, including berms and culverts, will be removed to allow for natural movement of water. Care will be taken not to release sediment into receiving waters during these activities, therefore, work will be conducted during low flow periods.

2.5 Site Contamination

To date, there have been no issues relating to fuel storage or spills on site. Aurchem will continue to monitor fuel and chemical storage on site to ensure there are no released to the environment.

2.6 Acid Rock Drainage

ARD

This pilot project is designed to test a shallow high grade orebody and is not planning to excavate more than 20m depth. Historically, no deep samples were tested as they fall out of this projects scope. In 2005, ARD samples were sent to the lab for ABA and ARD multi-element analysis. The samples were taken from RC drilling and represent ore, the waste rock interval directly above the ore, and sometimes surface waste rock. The samples were taken in key areas in and above ore. Please see attached detailed sampling map (Map 4a in Appendix 3) for exact locations.

Results of the ABA and multi-element analysis are located in the attached document, entitled Aurchem schedule 3. Sample locations were as follows, and are included on the Map 4a:

RC0506-20 (20 feet- waste sample)

RC0506-35 (35 feet-waste sample)

RC0510-10 (10 feet- waste sample)

RC0510-45 (45 feet-ore sample)

RC0519-10 (10 feet-waste sample)

RC0519-20 (20 feet- ore sample)

RC0519-25 (25 feet- ore sample)

RC0520-110 (110 feet- ore sample)

RC0520-115 (115 feet- ore sample)

RC0523-70 (70 feet- waste sample)

RC0523-80 (80 feet- ore sample)

Currently no ARD risk is shown (see attached results).

Additional ARD and ABA testing will occur prior to the commencement of mining activities on site. ARD and ABA samples will be collected from the area of interest, located on the attached map, 4a. This area of interest includes our Maverick vein. We will pull 10 samples from this vein, at three depth intervals, in order to include a waste rock and 2 ore samples. Sample location will be 10 meters apart on centre. Samples will be sent to Maxxam analytical for analysis (ABA and ARD). Details of this plan will follow.

To date we have not encountered any acid generating ore or waste. However, to mitigate any potential ARD concerns at closure, we will be installing a lined waste rock pad. Acid generating rock will be placed on this pad and covered with benign host rock.

2.7 Tailings Management

Due to the small size of our milling operation (50t/day) and the high recovery rate of our milling process, we do not anticipate large volumes of tails. Any tails produced will be discharged into the small above ground settling pools. All tails will be removed from the pools and returned to the open trenches on site. Before placement into the trench, a chemical analysis will be conducted on the tails to ensure that they are benign. All benign tails will be buried in the trenches as they are backfilled during progressive reclamation efforts. Tails that show concentrated levels of heavy metals, above the Yukon Contaminated Sites Regulations soil guidelines, will be placed in barrels and shipped to an authorized contaminated soil treatment facility. We do not anticipate that this will be the case, and only provide this as an alternative option should the tails not be suitable for disposal on site.

2.8 Mine Rock Piles

During temporary closure or final decommissioning, there will be no mine rock piles on site. We are a small mining operation, and will not be storing large piles of mine rock on site. We do include a mitigative option for potential ARD rock, which is to place on a lined pad and cover with benign rock at closure, however, this will only happen should ARD results test positive, historically they have not.

2.9 Erosion Control

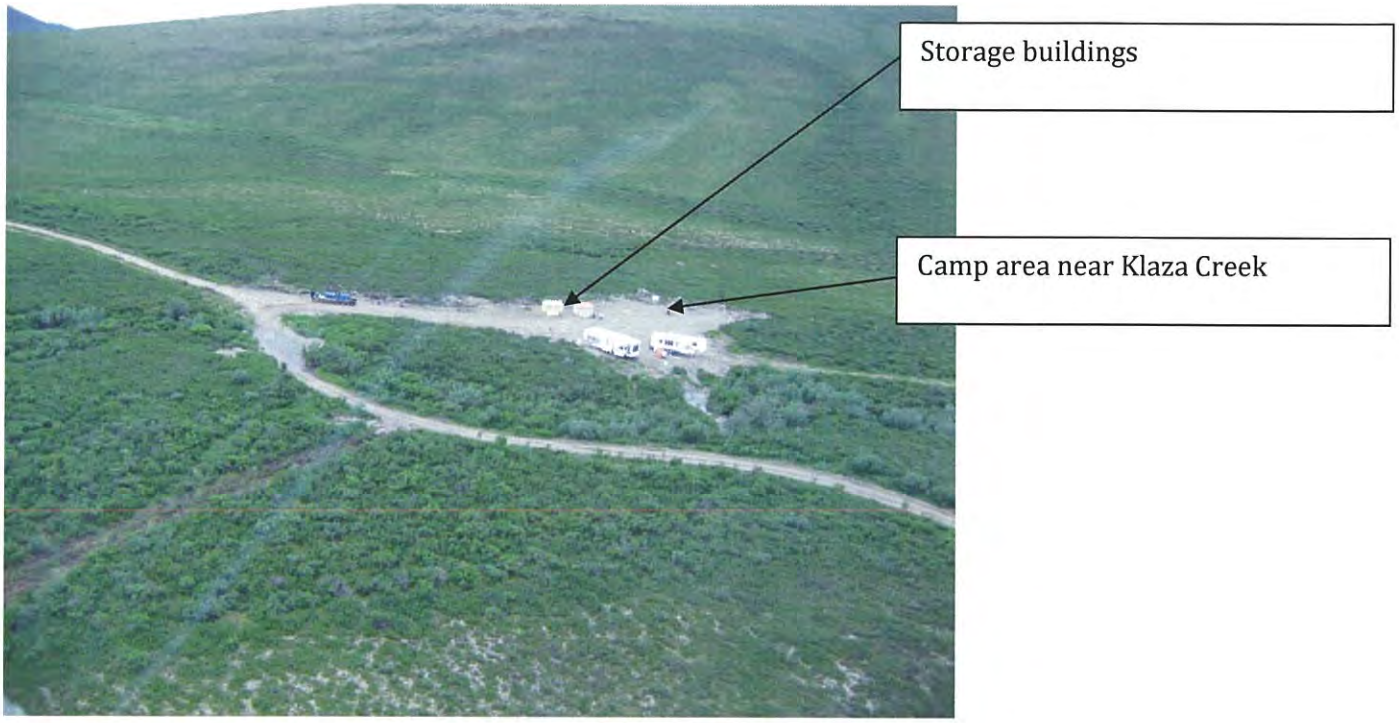
For temporary closure, and for ongoing erosion control measures, Aurchem will upgrade the ditches on the main road leading up the claim site. The active mining area is located at the top of the mountain. The road leading to the site, as seen in the picture below, requires ditching and rip rap in order to prevent the road from washing away and carrying soils down gradient and into Iron Creek. There is ditching in place now that is preventing complete erosion of the road, however, upgrades are required. During temporary closure, this road will be re-seeded and the banks pushed in towards the road.

2.10 Re-vegetation

Aurchem will re-vegetate all disturbances on site with Arctic Alpine seed mix. As well, natural re-vegetation will take place, and has been quite successful on site in previously disturbed areas. The Arctic Alpine seed mix is capable of re-vegetating non-soil areas (essentially gravel areas with no overburden). It is a suitable seed for our site as we have very little overburden.

2.11 Buildings and Mill

The mill to be used on site is portable, and will be transported off site when the mine enters temporary closure. The camp facilities include RV units, which are removed from site each season. All storage buildings, as seen in the picture below, will be dismantled and removed from site. All settling pools will be dismantled and removed from site prior to closure.



2.12 Fuel Storage Area

The fuel storage area will be monitored regularly during mine operations to ensure that there are no leaks and spills. We do not anticipate any remedial work on site related to fuel storage. Potential spills and leaks will be managed on as needed basis and costs associated with remedial measures of the fuel storage area are included in daily operating costs.

2.13 Equipment

There will be no equipment left on site once the mine is in temporary closure. Currently, there is no equipment stored on site.

2.14 Industrial Reagents and Hazardous Products

All explosives and hazardous substances shall be removed from the site or be properly disposed of in accordance with the requirements of the Occupational Health and Safety Regulations of the *Occupational Health and Safety Act*.

2.15 Miscellaneous Materials

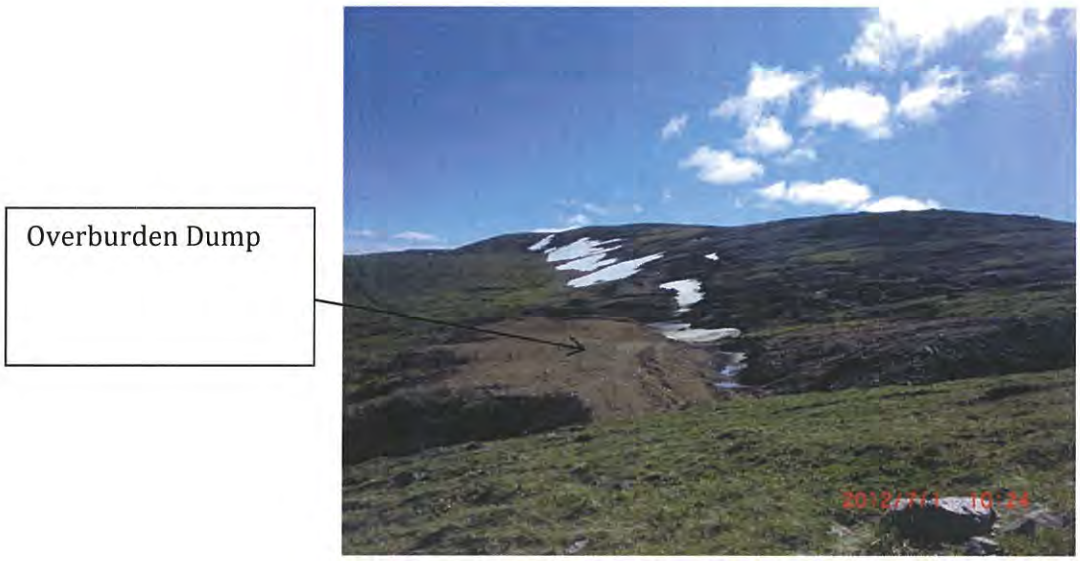
Aurchem, as part of its progressive reclamation efforts, and Temporary Closure Plan, will remove old core boxes, drill sample bags, and any other miscellaneous items from site. Core boxes and sample bags will be stored at our Whitehorse office. Miscellaneous waste, like empty core boxes and litter will be taken to the nearest municipal landfill. We also have a large water holding tank (steel) on site. It too, and all associated piping, will be removed from site upon closure.

Old core boxes to be removed from site

Old drill sample bags to be removed from site

2.16 Waste Rock and Overburden Dumps

Aurchem has already begun progressive reclamation of its overburden dump. We currently do not have a waste rock dump, but have chosen a place for it, as seen in map 4 and photo 1 Aurchem located in Appendix 3. As seen in the picture below, we have begun to re-contour and slope it to minimize water pooling and drainage through our overburden dump. We will continue our efforts to stabilize and manage this area and prevent drainage through that site. We have located a water quality sampling station 300 m down stream of this site to capture any runoff issue associated with the dump. Results of the July 2012 sampling event are attached. We will continue to collect monthly samples from this point during May-September (when water is free flowing). Upon final decommissioning, when there is no further activity scheduled or for-seen on the site, we will reseed this area with native host seed, and allow natural re-vegetation to occur. Natural re-vegetation has proven to be very proliferate and effective on site. We have older trenches on site, 10-20 years old, that have in-filled with willow, buck-brush and grasses and are quite lush (see pictures below).



2.17 Ore Stockpiles and Pads

Aurchem does not have any ore stockpiles on site. We only have drill pads, which have already been flattened and re-contoured. Old drill pads will be re-seeded.

2.18 Access and Security

Access will remain to the site post temporary closure. Signs will be posted along the main access roads on the site to identify it is and was an active mining area. There will be no security on site.

2.19 Monitoring and Management Activities

There are four water quality stations on site (three of them are hydrology stations). They are Klaza Creek, Iron Creek downstream, Iron Creek upstream, and Iron Creek 300m below the Overburden Dump area (this site is actually a historic trench that leads to Iron Creek, it will eventually be reclaimed). Locations are depicted on the map included in Appendix 3 . Water quality and hydrology measurements will continue at these stations (May-September) for two years following closure to ensure there are no adverse effects once the mine is no longer operational. As well, during these sampling events, the site will be inspected to ensure that all closure measures are still in place, and maintenance will be performed if required.

2.20 Temporary Closure Cost Estimate

Total estimated closure costs are $219, 075.00 (191,500.00 plus 15% contingency). Cost estimates were based on the Yukon Government Highways and Public Works contractor rates, as well as local consultant fee rates. Lab costs are based on rates charged by Maxxam Analytical labs, Burnaby BC.

Table 1. Estimated Reclamation costs

Closure Activity	Equipment Required	Estimated Costs	Estimated Total
Backfilling open trenches and veins	Excavator, backhoe, Cubota	$2000/day X 15 days	$30,000.00
Reclaiming access roads	Cubota	$1000/day X 10 days	$10,000.00
Terrain Disturbances	Cubota	$1000/day x 5 days	$5,000.00
Water Quality and Water Management	Cubota, lab fees, consultant fees for sampling	Cubota - $5000.00 Lab fees- $2500.00 Consultant fees- $10,000.00	$20,000.00
Site Contamination	-	-	-
Acid Rock Drainage	Backhoe, lab fees	ARD program- 20,000 Lab fees- 5,000	$25,000.00
Tailings Management	Shovels, potentially barrels for off site disposal, lab fees for sample analysis	Costs will be negligible for disposal, lab fees estimated at $1500.00	$1,500.00

Erosion Control	Cubota	$1000/day x 5 days	$5,000.00
Re-vegetation	Seed stock, seed spreader	$5,000.00	$5,000.00
Buildings and Mill	Truck to transport materials off site, disposal fees at Landfill	$5,000.00	$5,000.00
Fuel Storage Area	-	-	-
Industrial Reagents and Hazardous Products	Truck to transport material off site in accordance with TDG and OHSA	$2,000.00	$2,000.00
Miscellaneous Materials	Truck to transport materials off site, disposal fees at Landfill	$2,000.00	$2,000.00
Waste Rock and Overburden Dumps	Excavator, backhoe, Cubota	$3000/day X 15 days	$45,000.00
Access and Security	Signs on road to prevent access	$ 1,000.00	$1000,00
Monitoring and Management	Cubota, lab fees, consultant fees for sampling	Cubota - $1000.00 Lab fees- $2500.00 Consultant fees- $10,000.00	$15,000.00
Progressive Reclamation	Excavator, backhoe, Cubota	Ongoing/year	$20,000.00
TOTAL ESTIMATED COSTS			$191,500.00

3.0 Progressive Reclamation

Progressive reclamation will continue on site. Once trenches are no longer needed, they will be backfilled and re-contoured to allow for natural water flow on the site. Terrain disturbances will be back-filled and reseeded. Access roads will be reclaimed once it is determined they are no longer needed. Litter and miscellaneous items will be removed from site each season.

Appendix 1

July 2012 Water Quality and Hydrology Data

July 1, 2012

DRAFT MEMO

Aurchem Exploration Ltd. Vic Property

Site Investigation and Baseline Water Quality Sampling and Hydrology

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A. Water Quality Sampling and Flow Measurements

On July 1, 2012, Jillian Chown, Project Manager of Aurchem Explorations ltd., conducted water quality sampling and flow measurement o site at the Aurchem Vic property. Below is a summary of the sampling event:

1. Sampling Site: Iron Creek up 08 0386414 6893774

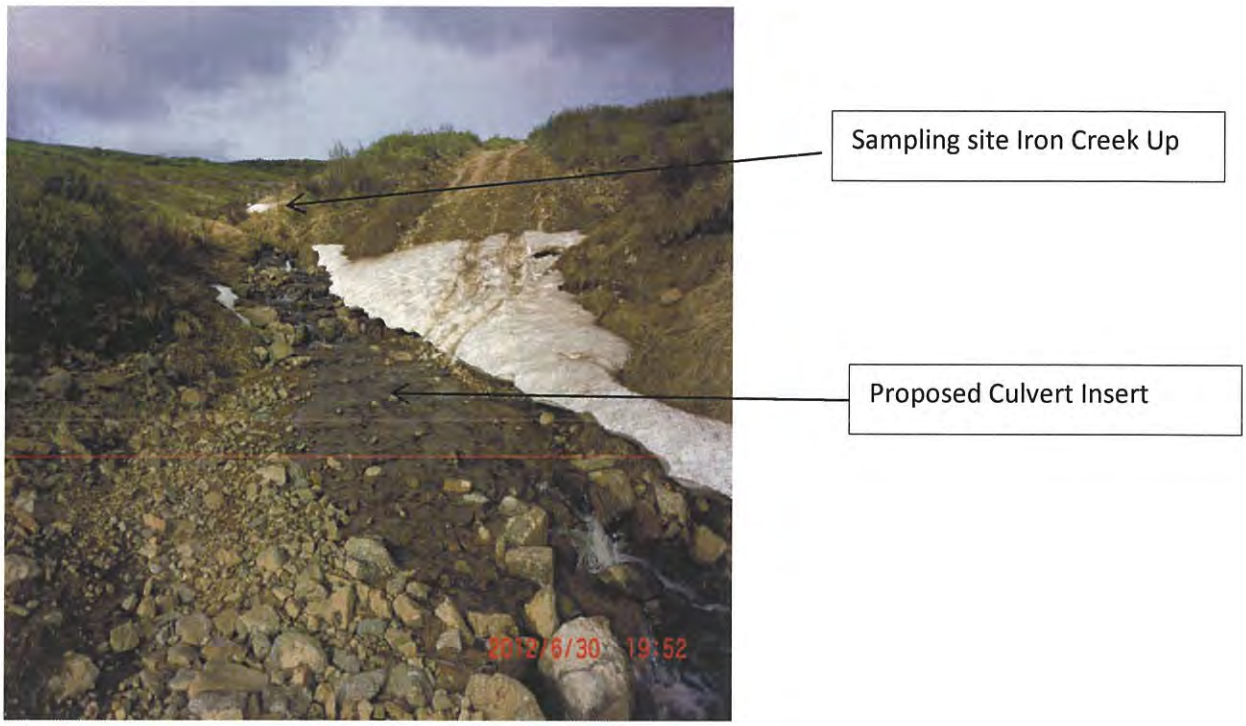
Iron Creek Up is downstream of the project. It is located at the creek crossing approximately 2 km downstream of the site.

Temp- 3.7 C
TDS- 9 ppm
pH- 7.78

Conductivity – 8 uS
Flow rate- 0.02 m3/s or 20L/s

A culvert should be installed just down from sampling site to provide better access to site, and prevent vehicles from driving through creek. A culvert would also allow for more erosion protection on the road.

Water Quality samples were collected and are being analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients . Flow measurements were taken as well.



2. **Iron Creek (a)- this sampling site is located on iron creek approximately 300 m downstream of the Overburden Dump. 08 0387332 6893205**

Water Quality samples were collected and are being analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients . Flow measurements were not taken at this site.

Temp- 4.3 C
TDS- 13 ppm
pH- 7.3
Conductivity – 27 uS

3. **Iron Creek (b)**- 08 0383927 6892983

This sampling station is approximately 2 km downstream of Iron Creek Up. Wetted banks for this station were at 1.4 m and .14m, making the channel approximately 1.5 metres wide. Creek is very shallow and was difficult to get a cross sectional area of the creek due to the amount of rocks and boulders.

Temp- 9.0 C
TDS- 3 ppm
pH- 7.34
Conductivity – 7 uS
Flow- .01 m3/s or 10L/s

Water Quality samples were collected and are being analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients . Flow measurements were taken as well.

4. **Klaza- 08 0384095 6890725**

Temp- 5.4 C
TDS- 20 ppm

pH- 7.69
Conductivity – 34 uS
Flow- .26m3/s or 260 l/s

Klaza is located near previous camp site area. Klaza creek crossing should have a culvert installed as well.

Water Quality samples were collected and are being analyzed for Total Metals, Dissolved Metals, WAD Cyanide, Total Suspended Solids, Total Organic Carbon, and General Chemistry and Nutrients . Flow measurements were taken as well.

B. Progressive Reclamation Efforts

Many of the open trenches that are no longer part of our exploration program have been reclaimed. Below are two pictures that show tow of the trenches that have been back-filled and re-contoured. These are just examples of the work that has been done on site. All trenches that are no longer in use have been backfilled. Open trenches have remained so as they are part of our on going exploration work and pre-production activities as we move towards production.

C. Work to be completed Summer 2012

Aurchem plans to install two culverts on Iron Creek. Culverts will be sized to accommodate high flows. As well, we plan to conduct some minor road upgrades to the access road leading to the site. This will involve grading the road and trenching out road side ditches to improve erosion control measures. Ditches do exist, but require some maintenance.

We also plan on obtaining a 5,000 tonne bulk sample from some of our open trenches for assay purposes.

Maxxam

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Your C.O.C. #: 28013401

Attention: Jillian Chown
AURCHEM EXPLORATIONS LTD.
15 LOGANBERRY LANE
WHITEHORSE, YT
CANADA Y1A5W4

Report Date: 2012/07/11

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B257183
Received: 2012/07/04, 11:00

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Water	3	2012/07/05	2012/07/05	BBY6SOP-00026	SM2320B
Alkalinity - Water	1	2012/07/06	2012/07/06	BBY6SOP-00026	SM2320B
Chloride by Automated Colourimetry	3	N/A	2012/07/05	BBY6SOP-00011	SM-4500-Cl-
Chloride by Automated Colourimetry	1	N/A	2012/07/06	BBY6SOP-00011	SM-4500-Cl-
Cyanide WAD (weak acid dissociable)	4	N/A	2012/07/10	BBY6SOP-00005	SM-4500CN I
Conductance - water	3	N/A	2012/07/05	BBY6SOP-00026	SM-2510B
Conductance - water	1	N/A	2012/07/06	BBY6SOP-00026	SM-2510B
Fluoride - Mining Clients	4	N/A	2012/07/06	BBY6SOP-00038	SM - 4500 F C
Hardness Total (calculated as CaCO3)	4	N/A	2012/07/10	BBY WI-00033	Calculated Parameter
Hardness (calculated as CaCO3)	4	N/A	2012/07/10	BBY WI-00033	Calculated Parameter
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	4	N/A	2012/07/10	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (dissolved)	4	N/A	2012/07/09	BBY7SOP-00002	EPA 6020A
Na, K, Ca, Mg, S by CRC ICPMS (total)	4	N/A	2012/07/10	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (total)	4	N/A	2012/07/09	BBY7SOP-00002	EPA 6020A
Ammonia-N	4	N/A	2012/07/05	BBY6SOP-00009	SM-4500NH3G
Nitrate + Nitrite (N)	3	N/A	2012/07/05	BBY6SOP-00010	USEPA 353.2
Nitrate + Nitrite (N)	1	N/A	2012/07/06	BBY6SOP-00010	USEPA 353.2
Nitrite (N) by CFA	3	N/A	2012/07/05	BBY6SOP-00010	EPA 353.2
Nitrite (N) by CFA	1	N/A	2012/07/06	BBY6SOP-00010	EPA 353.2
Nitrogen - Nitrate (as N)	3	N/A	2012/07/06	BBY6SOP-00010	Based on EPA 353.2
Nitrogen - Nitrate (as N)	1	N/A	2012/07/09	BBY6SOP-00010	Based on EPA 353.2
Filter and HNO3 Preserve for Metals	4	N/A	2012/07/04	BBY6WI-00001	EPA 200.2
pH Water	3	N/A	2012/07/05	BBY6SOP-00026	SM-4500H+B
pH Water	1	N/A	2012/07/06	BBY6SOP-00026	SM-4500H+B
Sulphate by Automated Colourimetry	3	N/A	2012/07/05	BBY6SOP-00017	SM4500-SO42
Sulphate by Automated Colourimetry	1	N/A	2012/07/06	BBY6SOP-00017	SM4500-SO42
Total Dissolved Solids (Filt. Residue)	4	2012/07/06	2012/07/09	BBY6SOP-00033	SM 2540C
Carbon (Total Organic)	4	N/A	2012/07/06	BBY6SOP-00003	SM-5310C
Total Suspended Solids-LowLevel	4	2012/07/06	2012/07/06	BBY6SOP-00034	SM-2540 D

* Results relate only to the items tested.

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AURCHEM EXPLORATIONS LTD.

Maxxam Job #: B257183
Report Date: 2012/07/11

Encryption Key

Kelly Janda
11 Jul 2012 17:40:58 -07:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Sheleeza Mohamed, Burnaby Project Manager
Email: SMohamed@maxxam.ca
Phone# (604) 734 7276

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Total cover pages: 2

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AURCHEM EXPLORATIONS LTD.

Maxxam Job #: B257183
Report Date: 2012/07/11

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		DV7216	DV7217		DV7218		DV7219		
Sampling Date		2012/07/01	2012/07/01		2012/07/01		2012/07/01		
	UNITS	KLAZA	IRON CREEK (A)	QC Batch	IRON CREEK (B)	QC Batch	IRON CREEK UP	RDL	QC Batch
Misc. Inorganics									
Fluoride (F)	mg/L	0.027	0.037	5980823	0.024	5980823	0.023	0.010	5980823
ANIONS									
Nitrite (N)	mg/L	<0.0050(1)	<0.0050(1)	5976843	<0.0050(1)	5980475	<0.0050(1)	0.0050	5976843
Calculated Parameters									
Filter and HNO3 Preservation	N/A	FIELD	FIELD	ONSITE	FIELD	ONSITE	FIELD	N/A	ONSITE
Nitrate (N)	mg/L	0.099	0.808	5970637	<0.020	5970637	0.102	0.020	5970637
Misc. Inorganics									
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00062	5991430	0.00085	5991430	0.00100	0.00050	5991430
Alkalinity (Total as CaCO3)	mg/L	24.8	13.7	5976044	6.32	5980847	5.91	0.50	5976044
Total Organic Carbon (C)	mg/L	2.60	3.96	5978787	6.01	5978787	7.26	0.50	5978787
Alkalinity (PP as CaCO3)	mg/L	<0.50	<0.50	5976044	<0.50	5980847	<0.50	0.50	5976044
Bicarbonate (HCO3)	mg/L	30.3	16.7	5976044	7.71	5980847	7.21	0.50	5976044
Carbonate (CO3)	mg/L	<0.50	<0.50	5976044	<0.50	5980847	<0.50	0.50	5976044
Hydroxide (OH)	mg/L	<0.50	<0.50	5976044	<0.50	5980847	<0.50	0.50	5976044
Anions									
Dissolved Sulphate (SO4)	mg/L	<0.50	0.76	5974849	<0.50	5978701	<0.50	0.50	5974849
Dissolved Chloride (Cl)	mg/L	<0.50	<0.50	5974802	<0.50	5978606	<0.50	0.50	5974802
Nutrients									
Ammonia (N)	mg/L	<0.0050	0.017	5974224	0.0063	5974224	0.034	0.0050	5974224
Nitrate plus Nitrite (N)	mg/L	0.099(1)	0.808(1)	5976841	<0.020(1)	5980464	0.102(1)	0.020	5976841
Physical Properties									
Conductivity	uS/cm	48.8	39.1	5976049	16.3	5980851	17.8	1.0	5976049
pH	pH Units	7.48	7.14	5976055	7.09	5980852	6.89		5976055
Physical Properties									
Total Suspended Solids	mg/L	<1.0	33.3	5976681	<1.0	5976681	<1.0	1.0	5976681
Total Dissolved Solids	mg/L	26	28	5978389	12	5978389	<10	10	5978389

N/A = Not Applicable
RDL = Reportable Detection Limit
(1) - Sample analysed past recommended hold time.

LOW LEVEL DISSOLVED METALS IN WATER (WATER)

Maxxam ID		DV7216	DV7217		DV7218		DV7219		
Sampling Date		2012/07/01	2012/07/01		2012/07/01		2012/07/01		
	UNITS	KLAZA	IRON CREEK (A)	QC Batch	IRON CREEK (B)	QC Batch	IRON CREEK UP	RDL	QC Batch
Misc. Inorganics									
Dissolved Hardness (CaCO3)	mg/L	22.2	15.3	5970636	6.44	5970636	7.00	0.50	5970636
Dissolved Metals by ICPMS									
Dissolved Aluminum (Al)	ug/L	26.2	22.0	5982874	110	5982874	82.0	0.20	5982874
Dissolved Antimony (Sb)	ug/L	0.081	0.141	5982874	0.044	5982874	0.034	0.020	5982874
Dissolved Arsenic (As)	ug/L	0.088	0.217	5982874	0.130	5982874	0.118	0.020	5982874
Dissolved Barium (Ba)	ug/L	22.7	13.7	5982874	9.90	5982874	9.75	0.020	5982874
Dissolved Beryllium (Be)	ug/L	<0.010	<0.010	5982874	<0.010	5982874	<0.010	0.010	5982874
Dissolved Bismuth (Bi)	ug/L	<0.0050	<0.0050	5982874	<0.0050	5982874	<0.0050	0.0050	5982874
Dissolved Boron (B)	ug/L	<50	<50	5982874	<50	5982874	<50	50	5982874
Dissolved Cadmium (Cd)	ug/L	0.0068	0.0125	5982874	0.0100	5982874	0.0083	0.0050	5982874
Dissolved Chromium (Cr)	ug/L	<0.10	<0.10	5982874	0.13	5982874	0.12	0.10	5982874
Dissolved Cobalt (Co)	ug/L	0.0117	0.162	5982874	0.0210	5982874	0.0254	0.0050	5982874
Dissolved Copper (Cu)	ug/L	0.449	1.17	5982874	0.170	5991969	1.00	0.050	5982874
Dissolved Iron (Fe)	ug/L	5.9	94.9	5982874	29.2	5982874	66.3	1.0	5982874
Dissolved Lead (Pb)	ug/L	0.0165	0.0315	5982874	0.0339	5982874	0.0202	0.0050	5982874
Dissolved Lithium (Li)	ug/L	<0.50	<0.50	5982874	<0.50	5982874	<0.50	0.50	5982874
Dissolved Manganese (Mn)	ug/L	0.112	54.5	5982874	0.613	5982874	1.16	0.050	5982874
Dissolved Molybdenum (Mo)	ug/L	0.065	0.064	5982874	<0.050	5982874	<0.050	0.050	5982874
Dissolved Nickel (Ni)	ug/L	0.087	0.257	5982874	0.316	5982874	0.352	0.020	5982874
Dissolved Selenium (Se)	ug/L	<0.040	<0.040	5982874	<0.040	5982874	<0.040	0.040	5982874
Dissolved Silicon (Si)	ug/L	3870	2440	5982874	3420	5982874	3320	100	5982874
Dissolved Silver (Ag)	ug/L	<0.0050	<0.0050	5982874	<0.0050	5982874	<0.0050	0.0050	5982874
Dissolved Strontium (Sr)	ug/L	50.8	30.7	5982874	14.4	5982874	16.1	0.050	5982874
Dissolved Thallium (Tl)	ug/L	<0.0020	<0.0020	5982874	<0.0020	5982874	<0.0020	0.0020	5982874
Dissolved Tin (Sn)	ug/L	<0.20	<0.20	5982874	<0.20	5982874	<0.20	0.20	5982874
Dissolved Titanium (Ti)	ug/L	<0.50	<0.50	5982874	<0.50	5982874	<0.50	0.50	5982874
Dissolved Uranium (U)	ug/L	0.0537	0.0182	5982874	0.0110	5982874	0.0050	0.0020	5982874
Dissolved Vanadium (V)	ug/L	<0.20	<0.20	5982874	<0.20	5982874	<0.20	0.20	5982874
Dissolved Zinc (Zn)	ug/L	0.52	0.92	5982874	0.51	5991969	1.13	0.10	5991969
Dissolved Zirconium (Zr)	ug/L	<0.10	0.12	5982874	0.14	5982874	0.11	0.10	5982874
Dissolved Calcium (Ca)	mg/L	6.65	4.74	5973036	2.01	5973036	2.13	0.050	5973036
Dissolved Magnesium (Mg)	mg/L	1.35	0.832	5973036	0.346	5973036	0.410	0.050	5973036
Dissolved Potassium (K)	mg/L	0.258	0.196	5973036	0.269	5973036	0.113	0.050	5973036
Dissolved Sodium (Na)	mg/L	0.970	1.49	5973036	0.898	5973036	0.997	0.050	5973036
Dissolved Sulphur (S)	mg/L	<10	<10	5973036	<10	5973036	<10	10	5973036

RDL = Reportable Detection Limit

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AURCHEM EXPLORATIONS LTD.

Maxxam Job #: B257183
Report Date: 2012/07/11

LOW LEVEL TOTAL METALS IN WATER (WATER)

Maxxam ID		DV7216	DV7217	DV7218	DV7219		
Sampling Date		2012/07/01	2012/07/01	2012/07/01	2012/07/01		
	UNITS	KLAZA	IRON CREEK (A)	IRON CREEK (B)	IRON CREEK UP	RDL	QC Batch
Calculated Parameters							
Total Hardness (CaCO3)	mg/L	22.7	15.3	6.44	7.13	0.50	5970635
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	27.6	87.2	120	94.6	0.20	5982879
Total Antimony (Sb)	ug/L	0.062	0.142	0.040	0.030	0.020	5982879
Total Arsenic (As)	ug/L	0.107	0.257	0.117	0.167	0.020	5982879
Total Barium (Ba)	ug/L	23.4	15.9	10.4	10.3	0.020	5982879
Total Beryllium (Be)	ug/L	<0.010	0.014	<0.010	<0.010	0.010	5982879
Total Bismuth (Bi)	ug/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	5982879
Total Boron (B)	ug/L	<50	<50	<50	<50	50	5982879
Total Cadmium (Cd)	ug/L	0.0060	0.0127	0.0113	0.0075	0.0050	5982879
Total Chromium (Cr)	ug/L	<0.10	0.17	0.14	0.11	0.10	5982879
Total Cobalt (Co)	ug/L	0.0138	0.204	0.0297	0.0393	0.0050	5982879
Total Copper (Cu)	ug/L	0.391	1.21	0.929	0.830	0.050	5982879
Total Iron (Fe)	ug/L	6.6	218	33.3	98.1	1.0	5982879
Total Lead (Pb)	ug/L	0.0056	0.141	0.0345	0.0209	0.0050	5982879
Total Lithium (Li)	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	5982879
Total Manganese (Mn)	ug/L	0.173	57.8	0.966	3.87	0.050	5982879
Total Molybdenum (Mo)	ug/L	0.062	0.059	<0.050	<0.050	0.050	5982879
Total Nickel (Ni)	ug/L	0.069	0.305	0.411	0.334	0.020	5982879
Total Selenium (Se)	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	5982879
Total Silicon (Si)	ug/L	3890	2590	3360	3380	100	5982879
Total Silver (Ag)	ug/L	<0.0050	0.0067	<0.0050	<0.0050	0.0050	5982879
Total Strontium (Sr)	ug/L	52.8	31.5	14.8	16.5	0.050	5982879
Total Thallium (Tl)	ug/L	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	5982879
Total Tin (Sn)	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	5982879
Total Titanium (Ti)	ug/L	<0.50	1.74	<0.50	0.60	0.50	5982879
Total Uranium (U)	ug/L	0.0622	0.0294	0.0122	0.0071	0.0020	5982879
Total Vanadium (V)	ug/L	<0.20	0.38	<0.20	<0.20	0.20	5982879
Total Zinc (Zn)	ug/L	0.47	0.80	1.48	1.09	0.10	5982879
Total Zirconium (Zr)	ug/L	<0.10	0.14	0.14	0.12	0.10	5982879
Total Calcium (Ca)	mg/L	6.74	4.77	2.00	2.17	0.050	5973037
Total Magnesium (Mg)	mg/L	1.43	0.833	0.353	0.414	0.050	5973037
Total Potassium (K)	mg/L	0.264	0.183	0.223	0.100	0.050	5973037
Total Sodium (Na)	mg/L	1.01	1.48	0.857	0.988	0.050	5973037
Total Sulphur (S)	mg/L	<10	<10	<10	<10	10	5973037

RDL = Reportable Detection Limit

Package 1	8.0°C

Each temperature is the average of up to three cooler temperatures taken at receipt

General Comments

Sample DV7216-01: The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.

Sample DV7217-01: The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.

Sample DV7218-01: The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.

Sample DV7219-01: The BC-MOE and APHA Standard Method require pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the BC-MOE/APHA Standard Method holding time.

Sample DV7218, Elements by ICPMS Low Level (dissolved): Test repeated.
Sample DV7219, Elements by ICPMS Low Level (dissolved): Test repeated.

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AURCHEM EXPLORATIONS LTD.

Maxxam Job #: B257183
Report Date: 2012/07/11

QUALITY ASSURANCE REPORT

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
5974224	Ammonia (N)	2012/07/05	83	80 - 120	101	80 - 120	0.0054, RDL=0.0050	mg/L	NC	20
5974802	Dissolved Chloride (Cl)	2012/07/05	94	80 - 120	101	80 - 120	<0.50	mg/L	NC	20
5974849	Dissolved Sulphate (SO4)	2012/07/05	NC	80 - 120	99	80 - 120	<0.50	mg/L	NC	20
5976044	Alkalinity (Total as CaCO3)	2012/07/05	NC	80 - 120	95	80 - 120	<0.50	mg/L	1.8	20
5976044	Alkalinity (PP as CaCO3)	2012/07/05					<0.50	mg/L	NC	20
5976044	Bicarbonate (HCO3)	2012/07/05					<0.50	mg/L	1.8	20
5976044	Carbonate (CO3)	2012/07/05					<0.50	mg/L	NC	20
5976044	Hydroxide (OH)	2012/07/05					<0.50	mg/L	NC	20
5976049	Conductivity	2012/07/05			99	80 - 120	<1.0	uS/cm	0	20
5976681	Total Suspended Solids	2012/07/06			103	80 - 120	<1.0	mg/L		
5976841	Nitrate plus Nitrite (N)	2012/07/05	NC	80 - 120	106	80 - 120	<0.020	mg/L	NC	25
5976843	Nitrite (N)	2012/07/05	96	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20
5978389	Total Dissolved Solids	2012/07/09	NC	80 - 120	94	80 - 120	<10	mg/L	5.9	20
5978606	Dissolved Chloride (Cl)	2012/07/06	95	80 - 120	104	80 - 120	<0.50	mg/L	NC	20
5978701	Dissolved Sulphate (SO4)	2012/07/06	NC	80 - 120	100	80 - 120	<0.50	mg/L	0.6	20
5978787	Total Organic Carbon (C)	2012/07/06	108	80 - 120	109	80 - 120	<0.50	mg/L	NC	20
5980464	Nitrate plus Nitrite (N)	2012/07/06	NC	80 - 120	108	80 - 120	<0.020	mg/L	NC	25
5980475	Nitrite (N)	2012/07/06	100	80 - 120	103	80 - 120	<0.0050	mg/L	NC	20
5980823	Fluoride (F)	2012/07/06	NC	80 - 120	100	80 - 120	0.010, RDL=0.010	mg/L	NC	20
5980847	Alkalinity (Total as CaCO3)	2012/07/06	NC	80 - 120	97	80 - 120	<0.50	mg/L	1.9	20
5980847	Alkalinity (PP as CaCO3)	2012/07/06					<0.50	mg/L	NC	20
5980847	Bicarbonate (HCO3)	2012/07/06					<0.50	mg/L	1.9	20
5980847	Carbonate (CO3)	2012/07/06					<0.50	mg/L	NC	20
5980847	Hydroxide (OH)	2012/07/06					<0.50	mg/L	NC	20
5980851	Conductivity	2012/07/06			100	80 - 120	<1.0	uS/cm	0.3	20
5982874	Dissolved Aluminum (Al)	2012/07/09	104	80 - 120	99	80 - 120	0.21, RDL=0.20	ug/L		
5982874	Dissolved Antimony (Sb)	2012/07/09	105	80 - 120	100	80 - 120	<0.020	ug/L	NC	20
5982874	Dissolved Arsenic (As)	2012/07/09	103	80 - 120	105	80 - 120	<0.020	ug/L	NC	20
5982874	Dissolved Barium (Ba)	2012/07/09	101	80 - 120	100	80 - 120	<0.020	ug/L	NC	20
5982874	Dissolved Beryllium (Be)	2012/07/09	93	80 - 120	91	80 - 120	<0.010	ug/L	NC	20
5982874	Dissolved Bismuth (Bi)	2012/07/09	103	80 - 120	95	80 - 120	<0.0050	ug/L	NC	20
5982874	Dissolved Cadmium (Cd)	2012/07/09	100	80 - 120	99	80 - 120	<0.0050	ug/L	NC	20
5982874	Dissolved Chromium (Cr)	2012/07/09	98	80 - 120	100	80 - 120	<0.10	ug/L	NC	20
5982874	Dissolved Cobalt (Co)	2012/07/09	95	80 - 120	96	80 - 120	<0.0050	ug/L	NC	20
5982874	Dissolved Copper (Cu)	2012/07/09	93	80 - 120	92	80 - 120	<0.050	ug/L	NC	20
5982874	Dissolved Iron (Fe)	2012/07/09	107	80 - 120	108	80 - 120	<1.0	ug/L	NC	20
5982874	Dissolved Lead (Pb)	2012/07/09	100	80 - 120	98	80 - 120	<0.0050	ug/L	NC	20
5982874	Dissolved Lithium (Li)	2012/07/09	99	80 - 120	98	80 - 120	<0.50	ug/L	NC	20
5982874	Dissolved Manganese (Mn)	2012/07/09	105	80 - 120	103	80 - 120	<0.050	ug/L	NC	20
5982874	Dissolved Molybdenum (Mo)	2012/07/09	103	80 - 120	97	80 - 120	<0.050	ug/L	NC	20

QUALITY ASSURANCE REPORT

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
5982874	Dissolved Nickel (Ni)	2012/07/09	97	80 - 120	96	80 - 120	<0.020	ug/L	NC	20
5982874	Dissolved Selenium (Se)	2012/07/09	106	80 - 120	105	80 - 120	<0.040	ug/L	NC	20
5982874	Dissolved Silver (Ag)	2012/07/09	103	80 - 120	101	80 - 120	<0.0050	ug/L	NC	20
5982874	Dissolved Strontium (Sr)	2012/07/09	100	80 - 120	97	80 - 120	<0.050	ug/L	NC	20
5982874	Dissolved Thallium (Tl)	2012/07/09	103	80 - 120	101	80 - 120	<0.0020	ug/L	NC	20
5982874	Dissolved Tin (Sn)	2012/07/09	104	80 - 120	97	80 - 120	<0.20	ug/L	NC	20
5982874	Dissolved Titanium (Ti)	2012/07/09	110	80 - 120	104	80 - 120	<0.50	ug/L	NC	20
5982874	Dissolved Uranium (U)	2012/07/09	89	80 - 120	86	80 - 120	<0.0020	ug/L	NC	20
5982874	Dissolved Vanadium (V)	2012/07/09	97	80 - 120	99	80 - 120	<0.20	ug/L	NC	20
5982874	Dissolved Zinc (Zn)	2012/07/09	109	80 - 120	119	80 - 120	<0.10	ug/L	NC	20
5982874	Dissolved Boron (B)	2012/07/09					<50	ug/L	NC	20
5982874	Dissolved Silicon (Si)	2012/07/09					<100	ug/L	NC	20
5982874	Dissolved Zirconium (Zr)	2012/07/09					<0.10	ug/L	NC	20
5982879	Total Aluminum (Al)	2012/07/09	99	80 - 120	101	80 - 120	0.29, RDL=0.20	ug/L	NC	20
5982879	Total Antimony (Sb)	2012/07/09	99	80 - 120	103	80 - 120	<0.020	ug/L	NC	20
5982879	Total Arsenic (As)	2012/07/09	97	80 - 120	105	80 - 120	<0.020	ug/L	NC	20
5982879	Total Barium (Ba)	2012/07/09	98	80 - 120	102	80 - 120	<0.020	ug/L	NC	20
5982879	Total Beryllium (Be)	2012/07/09	90	80 - 120	93	80 - 120	<0.010	ug/L	NC	20
5982879	Total Bismuth (Bi)	2012/07/09	98	80 - 120	97	80 - 120	<0.0050	ug/L	NC	20
5982879	Total Cadmium (Cd)	2012/07/09	98	80 - 120	98	80 - 120	<0.0050	ug/L	NC	20
5982879	Total Chromium (Cr)	2012/07/09	93	80 - 120	99	80 - 120	<0.10	ug/L	NC	20
5982879	Total Cobalt (Co)	2012/07/09	91	80 - 120	98	80 - 120	<0.0050	ug/L	NC	20
5982879	Total Copper (Cu)	2012/07/09	90	80 - 120	95	80 - 120	<0.050	ug/L	NC	20
5982879	Total Iron (Fe)	2012/07/09	102	80 - 120	106	80 - 120	<1.0	ug/L	NC	20
5982879	Total Lead (Pb)	2012/07/09	97	80 - 120	99	80 - 120	<0.0050	ug/L	NC	20
5982879	Total Lithium (Li)	2012/07/09	96	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
5982879	Total Manganese (Mn)	2012/07/09	99	80 - 120	105	80 - 120	<0.050	ug/L	NC	20
5982879	Total Molybdenum (Mo)	2012/07/09	97	80 - 120	100	80 - 120	<0.050	ug/L	NC	20
5982879	Total Nickel (Ni)	2012/07/09	92	80 - 120	101	80 - 120	<0.020	ug/L	NC	20
5982879	Total Selenium (Se)	2012/07/09	104	80 - 120	104	80 - 120	<0.040	ug/L	NC	20
5982879	Total Silver (Ag)	2012/07/09	99	80 - 120	103	80 - 120	<0.0050	ug/L	NC	20
5982879	Total Strontium (Sr)	2012/07/09	97	80 - 120	102	80 - 120	<0.050	ug/L	NC	20
5982879	Total Thallium (Tl)	2012/07/09	101	80 - 120	106	80 - 120	<0.0020	ug/L	NC	20
5982879	Total Tin (Sn)	2012/07/09	96	80 - 120	101	80 - 120	<0.20	ug/L	NC	20
5982879	Total Titanium (Ti)	2012/07/09	104	80 - 120	108	80 - 120	<0.50	ug/L	NC	20
5982879	Total Uranium (U)	2012/07/09	84	80 - 120	86	80 - 120	<0.0020	ug/L	NC	20
5982879	Total Vanadium (V)	2012/07/09	93	80 - 120	99	80 - 120	<0.20	ug/L	NC	20
5982879	Total Zinc (Zn)	2012/07/09	108	80 - 120	113	80 - 120	<0.10	ug/L	NC	20
5982879	Total Boron (B)	2012/07/09					<50	ug/L	NC	20
5982879	Total Silicon (Si)	2012/07/09					<100	ug/L	NC	20

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AURCHEM EXPLORATIONS LTD.

Maxxam Job #: B257183
Report Date: 2012/07/11

QUALITY ASSURANCE REPORT

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
5982879	Total Zirconium (Zr)	2012/07/09					<0.10	ug/L	NC	20
5991430	Weak Acid Dissoc. Cyanide (CN)	2012/07/10	101	80 - 120	99	80 - 120	<0.00050	mg/L	NC	20
5991969	Dissolved Copper (Cu)	2012/07/11			92	80 - 120	<0.050	ug/L		
5991969	Dissolved Zinc (Zn)	2012/07/11			107	80 - 120	<0.10	ug/L		

N/A = Not Applicable
RDL = Reportable Detection Limit
RPD = Relative Percent Difference
Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.
Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.
Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.
NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

Aurchem Explorations Ltd.
15 Loganberry Lane
Whitehorse, Yukon Y1A 5W4

MaxXam — CHAIN OF CUSTODY RECORD — Page 1 of 1

INVOICE INFORMATION:
Company Name: [redacted]
Contact Name: Jillian Chown
Address: [redacted] WHITEHORSE YT Y1A [redacted] 5W4
Phone: [redacted] Fax: 888-888-8811
Email: [redacted] chownjps@gmail.com

REPORT INFORMATION (if differs from Invoice):
Company Name: Aurchem Explorations Ltd.
Contact Name: Jillian C Hown
Address: 15 Loganberry Lane, Whitehorse YT
Phone: 867-456-4167 Fax:
Email: chownjps@gmail.com

PROJECT INFORMATION:
Quotation #: B20565
P.O. #:
Project #:
Project Name:
Site #:
Sampled By:

Laboratory Use Only:
MAXXAM Job #: B257183
BOTTLE ORDER #: 290134
CHAIN OF CUSTODY #: C0000154-01-01
PROJECT MANAGER:

REGULATORY CRITERIA: CSR; CCME; BC Water Quality; Other
SPECIAL INSTRUCTIONS: gmail.com

ANALYSIS REQUESTED (Please be specific):
Metals Field Filtered ? (Y/N)
Alkalinity, Conductivity, pH
Cl, F, SO4, NO2, NO3
LL TSS, TDS
Cyanide WAD
Ammonia, TOC
Low Level Total Metals
Low Level Dissolved Metals
DOC

TURNAROUND TIME (TAT) REQUIRED:
Regular (Standard) TAT:
(will be applied if Rush TAT is not specified)
Standard TAT = 5 working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dissolved Metals are > 5 days - contact your Project Manager for details.
Rush TAT (if applies to entire submission): Day; 2 Day; 3 Day; Date Required:
Rush Confirmation Number:

	Sample Sample Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered ? (Y/N)	Alkalinity, Conductivity, pH	Cl, F, SO4, NO2, NO3	LL TSS, TDS	Cyanide WAD	Ammonia, TOC	Low Level Total Metals	Low Level Dissolved Metals	DOC	# of Bottles	Comments
1	DV7216	Klaza	July 1/12		Surface Water		J	J	J	J	J	J	J		6	
2	217	Iron Creek (a)	July 1/12				J	J	J	J	J	J	J		6	
3	218	Iron Creek (b)	July 1/12				J	J	J	J	J	J	J		6	
4	219	Iron Creek up	July 1/12				J	J	J	J	J	J	J		6	
5																
6																
7																
8																
9																
10																

B257183

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time:	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time:	# Jars Used and Not Submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
Jillian Chown	12/07/03		[illegible]	2003/07/04	11:00			8.8.8	Yes / No / N/A

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Maxxam Yellow: Client

Maxxam Analytics International Corporation o/a Maxxam Analytics

Appendix 2

2006 ARD program and results

SAMPLE ID	ROCK DESCRIPTION	OA-VOL08 FIZZ RATING Unity	OA-VOL08 NNP t CaCO3/ 1000 t ore	OA-VOL08 NP tCaCO3/1000t ore	OA-ELE07 pH Unity	OA-VOL08 MPA tCaCO3/1000t ore	OA-VOL08 Ratio (NP:MPA) Unity
R5-06-20	WASTE	1	9	10	7.9	0.6	16
R5-06-35	ORE	1	6	6	7.5	<0.5	19.2
R5-10-10	WASTE/OVERBURDEN	1	3	3	7.2	<0.5	9.6
R5-10-45	ORE	1	7	7	7.5	<0.5	44.8
R5-19-10	WASTE/OVERBURDEN	1	8	8	6.9	<0.5	51.2
R5-19-20	WASTE	1	4	4	7.2	<0.5	12.8
R5-19-25	ORE	1	2	3	6.8	0.6	4.8
R5-20-110	WASTE	1	11	11	7.6	<0.5	70.4
R5-20-115	ORE	1	11	11	7.2	<0.5	70.4
R5-23-70	WASTE	1	8	8	7.6	<0.5	51.2
R5-23-80	ORE	1	11	11	7.9	<0.5	70.4

Testing Procedures

We choose 5 Reverse Circulation drill holes over the 3 main regions of ore and had them assayed for ARD by ALS Chemex. Each hole had the lowest sample containing ore and at least one sample above it of waste rock assayed.

The sample id's represent the following:
R5-06-20: R5 (RC 2005) 06 (Hole 6) 20 (20 - 25' depth)

S-IR08
S
%
0.02
0.01
0.01
<0.01
<0.01
0.01
0.02
<0.01
<0.01
<0.01
<0.01

Aurchem Schedule 3 - ARD Multi Element Assay and Acid Based Accounting Results (Sept 20/05)

Sample Id	Depth(ft)	Auppm	Agppm	Al%	As ppm	Ba ppm	Be ppm	Bi ppm	Ca%	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe%
RC0506-20	20	0.025														
RC0506-35	35	0.53														
RC0510-10	10	0.025														
RC0510-45	45	18.35	1.84	7.37	96.1	1690	1.78	51.3	0.36	0.59	40.4	8.4	17	16.5	50	3.33
RC0519-10	10	0.025														
RC0519-20	20	15.6	3.99	4.86	67.1	950	1.16	89.7	0.13	0.27	34.3	8.7	12	4.77	28.5	2.86
RC0519-25	25	1.3	2.15	6.8	191	760	1.58	11.5	0.11	0.44	68.4	11	13	7.5	43.5	2.83
RC0520-110	110	0.025														
RC0520-115	115	11.6	0.73	7.1	13.4	1290	2.04	69.6	0.4	0.25	59.1	7.8	14	12.9	14.8	3.3
RC0523-70	70	0.025														
RC0523-80	80	11.35	0.95	8.62	18.8	1690	2.64	45.6	1.54	0.11	56.9	9.9	15	20.4	15.4	3.37

Aurchem Schedule 3 - ARD Multi Element Assay and Acid Based Accounting Results (Sept 20/05)

Sample Id	Ga ppm	Ge ppm	Hf ppm	In ppm	K%	La ppm	Li ppm	Mg%	Mn ppm	Mo ppm	Na%	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm
RC0506-20																
RC0506-35																
RC0510-10																
RC0510-45	17.4	0.13	0.4	0.008	5.27	22.5	12.6	0.24	421	8.98	0.99	8.4	8.5	840	19.8	132
RC0519-10																
RC0519-20	10.8	0.09	0.4	0.035	3.31	15.9	31.3	0.04	472	18.5	0.11	5.2	7.5	630	38.8	80.5
RC0519-25	15.45	0.11	0.6	0.052	2.91	37.1	63.7	0.07	241	9.36	0.09	7.2	6.9	900	25.8	75.5
RC0520-110																
RC0520-115	15.05	0.13	0.5	0.031	3.51	32.3	10.4	0.22	722	2.6	1.63	9.6	7	1040	32.4	94.2
RC0523-70																
RC0523-80	18.05	0.14	0.6	0.033	5.25	29.3	8.3	0.4	624	2.3	2.41	11.2	8.6	1180	28.8	134.5

Aurchem Schedule 3 - ARD Multi Element Assay and Acid Based Accounting Results (Sept 20/05)

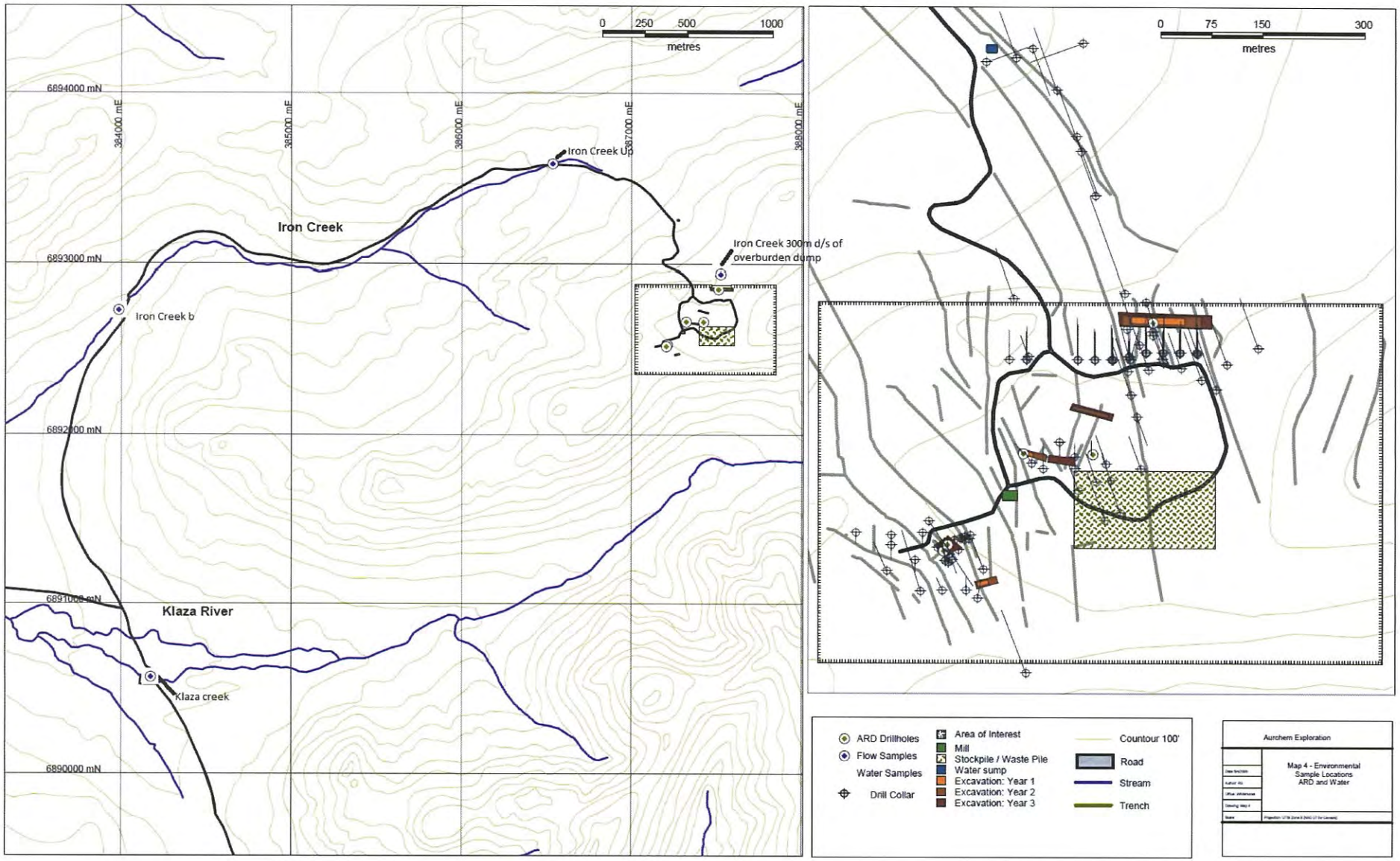
Sample Id	Re ppm	S%	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti%	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
RC0506-20																	
RC0506-35																	
RC0510-10																	
RC0510-45	0.003	0.01	4.39	1	2.1	540	0.59	3.66	3.9	0.18	0.65	3	89	10.1	12.6	35	8.1
RC0519-10																	
RC0519-20	0.001	0.01	13.5	1	1.8	444	0.35	7.17	1.9	0.13	0.41	3.2	69	11.2	13.1	39	8.2
RC0519-25	0.001	0.02	21	1	2.6	960	0.41	1.61	5.8	0.22	0.37	4.1	94	10.4	15.7	38	15.4
RC0520-110																	
RC0520-115	0.001	0.005	14.35	1	1.8	418	0.77	12	5.2	0.19	0.49	1.1	98	6.5	17.8	58	10.8
RC0523-70																	
RC0523-80	0.012	0.005	2.83	1	2	1045	0.83	4.3	6.6	0.24	0.51	1.6	104	4.2	16.6	45	9.3

Aurchem Schedule 3 - ARD Multi Element Assay and Acid Based Accounting Results (Sept 20/05)

Sample Id	FIZZ RATINGUnity	NNPt CaCO3/ 1000 t ore	NPtCaCO3/1000t ore	pHUnity	MPAtCaCO3/1000t ore	Ratio (NP:MPA)Unity	S%
RC0506-20	1	9	10	7.9	0.6	16	0.02
RC0506-35	1	6	6	7.5	0.25	19.2	0.01
RC0510-10	1	3	3	7.2	0.25	9.6	0.01
RC0510-45	1	7	7	7.5	0.25	44.8	0.005
RC0519-10	1	8	8	6.9	0.25	51.2	0.005
RC0519-20	1	4	4	7.2	0.25	12.8	0.01
RC0519-25	1	2	3	6.8	0.6	4.8	0.02
RC0520-110	1	11	11	7.6	0.25	70.4	0.005
RC0520-115	1	11	11	7.2	0.25	70.4	0.005
RC0523-70	1	8	8	7.6	0.25	51.2	0.005
RC0523-80	1	11	11	7.9	0.25	70.4	0.005

Appendix 3

Maps and Figures


0 250 500 1000
metres
6894000 mN
384000 mE
385000 mE
386000 mE
387000 mE
388000 mE
Iron Creek Up
Iron Creek
Iron Creek 300m d/s of overburden dump
6893000 mN
Iron Creek b
6892000 mN
6891000 mN
Klaza River
Klaza creek
6890000 mN
0 75 150 300
metres
ARD Drillholes
Flow Samples
Water Samples
Drill Collar
Area of Interest
Mill
Stockpile / Waste Pile
Water sump
Excavation: Year 1
Excavation: Year 2
Excavation: Year 3
Countour 100'
Road
Stream
Trench
Aurchem Exploration
Map 4 - Environmental Sample Locations ARD and Water


Map 4a: ARD Sample
Supplemental Map with details
Drill Legend
Waste Sample
Ore Sample
Drill Trace
Drill Collar
Features Legend
Trench
2006 Excavation
Road
Mining Features Legend
Area of Interest (1)
Mill (1)
Stockpile / Waste Pile (1)
Water sump (1)
Excavation: Year 1 (4)
Excavation: Year 2 (5)
Excavation: Year 3 (4)
387300 mE
387350 mE
387400 mE
387450 mE
387500 mE
387550 mE
387600 mE
6892700 mN
6892650 mN
6892600 mN
6892550 mN
6892500 mN
RC0520
RC0519
RC0506
RC0510
RC0523


N
S
Ore / Waste Storage
Aurchem Photo 1 - Ore / Waste Storage