# GEOLOGICAL REPORT CANADIAN ARROW MINES LTD.

### "ISINGLASS PROPERTY"

Kenora, Ontario N.T.S. 052F05SE

#### **SUMMARY**

In 2008, Canadian Arrow Mines Ltd completed exploration programs for nickel, copper and precious metals in the Isinglass Lake Property. Work consisted of prospecting, rock sampling, and geological mapping. The property is located east of Sioux Narrows, northwestern Ontario. Claims K4242978, K4242979, K4242971, K4242972, K4242973 referred to as the property is part of a group of claims controlled by Canadian Arrow Mines Ltd.. The work was designed as a preliminary evaluation of the property in 2008.

Geological mapping and sampling of Bergman and Base Line occurrences were carried out during the summer of 2008. Rocks observed were mafic volcanics, granite, diorite, granodiorite, gabbro and pyroxenite.

The presence of gold-nickel-copper associated with mafic and ultramafic rocks makes the Isinglass Lake area an attractive exploration target.

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#### INTRODUCTION

Between the months of June and August of 2008, Canadian Arrow Mines Ltd. completed evaluation level exploration work on a group of claims collectively called the Isinglass Lake Property. The following report was prepared primarily for the purpose of fulfilling assessment requirements on the property.

Background work involved in the preparation of this report included a review and compilation past exploration work activities by previous operators and a review a compilation old work completed by Canadian Arrow Mines Ltd on the Isinglass Property during the 2008 exploration program.

In the year of 2008, the Canadian Arrow Mines crew names were: Tamaras Taras (Student Geologist), Peter Mc Chesney (Senior Geologist), Jason Paterson (Student geologist) and Fred Paulus (Student geologist). Mr. Todd Keast, Vice-President of Exploration of Canadian Arrow Mines Ltd, visited the property at different periods in 2008 during the course of the managing the exploration program for Canadian Arrow Mines Ltd.

The 2008 Canadian Arrow Mines Ltd exploration programs were directed at evaluating the mafic-ultramafic rocks favourable for hosting gold and nickel-copper.

This report presents a summary of the results from a program of prospecting and mapping of 2008 on the Isinglass Lake Property own by Canadian Arrow Mines Ltd. The work was carried out by personnel of Canadian Arrow Mines Ltd. This report covers the results of this program and gives a conclusion and recommendations.

#### LOCATION, ACCESS AND OWNERSHIP

The property is located approximately 32 km east of the town of Sioux Narrows Ontario (**Figure 1**). Cameron Lake Road access is possible from a point 25 km north of Nestor Falls or 16 km south of Sioux narrows on Hwy 71 to a point on Cameron Road at some 20 kilometres south-east of Hwy 71. It is understood a gravel road extends north over 10 km from this point on Cameron Lake. A fixed wing float aircraft was chartered from Sioux Narrows in order to access some of the areas.

The Isinglass Lake Property (part of Denmark Lake Project), includes Bergman and Base Line Showings. The main showing (Bergman) is centred on latitude 49°21' 26''N, longitude 93°41'46''W or UTM NAD 83 (Zone 15) coordinates 449448E, 5467182N. The Base Line Showing is centred on UTM NAD 83 (Zone 15) coordinates 448792E, 5468177N. The property is situated within NTS: 052F/05SE.

The property is situated along the north side of Isinglass Lake and immediately west of Rowan Lake in the Kenora Mining Division. This report covers five contiguous mining claims in the Isinglass Lake area. The claims cover the north of Isinglass Lake.

The 2008 Isinglass Lake Property works consists principally of 6 claims covering 69 claim units, situated within the Rowan Lake map of the Kenora Mining Division (**Figure 3**). The claims K4242981, K4242978, K4242979, K4242971, K4242972 and K4242973 are 6 unpatented claims totalling an area of 1104 hectares (table 1). Canadian Arrow Mines Ltd.

has a 100% interest in these 6 claims (**Figure 3**). A detailed description of the property with claim number, claim size, claim recording, claim expired date, work in reserve, and work required is included in **Table 1**.

The Isinglass Lake is characterized by abundant bedrock exposures along the north shore of Isinglass Lake. The Bergman Showing which contains more or less abundant outcrops is located on the northern part of important ultramafic intrusive. The topography is a relatively flat glaciated terrain. A local height-of-land occupies the ground immediately north of the north shore of Isinglass Lake. The region is typical Precambrian with low scattered rocky knolls, intervening muskeg and small lakes. Total relief over the property is about 40 metres. The highest point on the property is slightly over 390 m. Isinglass Lake occupies a local height-of-land at elevation 352 m. Isinglass Lake drains south into Shingwak Lake at elevation 344 meters and thence into Rowan Lake at elevation 341 m. Rowan Lake drains northwest ward into Denmark Lake into which the small lakes on the property drain northward. The overburden is shallow over the property area, probably less than two metres on average. It is chiefly sand, gravel, boulders, clay, muskeg and peat with remnants of glacial till. The forest cover is jack pine, black spruce, popular and birch. The underbrush is relatively thin and open.

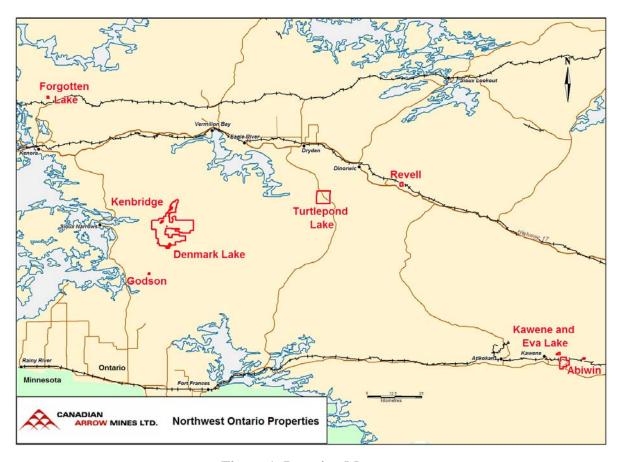
**Due Date** Claim Recorded Work Total Claim **Surface** Number Reserves (\$) Units Date Required (\$) (Hectares) 2010-06-05 K 4242981 2008-06-05 3,600 9 144 0 K 4242978 2008-06-05 2010-06-05 12 4,800 0 192 K 4242979 2008-06-05 2010-06-05 4,800 0 12 192 K 4242971 2008-06-05 2010-06-05 4,800 192 0 12 K 4242972 2008-06-05 2010-06-05 4,800 0 12 192 K 4242973 2008-06-05 2010-06-05 4,800 12 0 192 **TOTAL** 0 69 1104

Table 1- List of claims

#### **GEOLOGY**

The oldest rock in the map area is metavolcanics of a mafic-felsic volcanic cycle. These rocks belong to the western part of the Wabigoon Subprovince. The volcanic cycle was initiated by a vast effusion of basaltic and andesitic lavas, both massive and pillowed. This portion of the volcanic pile is dominantly mafic in composition with associated pyroclastic horizons. The mafic volcanics at Isinglass Lake is fine to medium-grained with extensive horizons of recrystallized basalt. Metamorphism in the Isinglass Lake area is of the middle to upper rank of greenschist facies.

A gabbro mass comprising several phases occupies the south central portion of the property. The north contact of this gabbro mass and the host basalt trends easterly across the western and eastern portion of the claims. On the western part of the property, copper-nickel mineralization occurs in the gabbro-basalt contact zone where magnetic peak intensity appears in the large magnetic anomaly that extends easterly. A granitic mass which occurs immediately northwest of the Roseman-Thompson Gold showing on the north shore of Isinglass Lake.



**Figure 1- Location Map** 

Three main lithological units occupy the property area. These are granite, a complex of gabbro and related ultrabasic intrusives and mafic volcanics, which are part of a vast volcanic effusion in this region. All these rocks are considered to be Archean (Proterozoic) in age. The geologic structure over the claim group trends from northeast to northwest and follows a pattern of regional foliation. NW-SE patterns of faulting have been noted in the western sector of the property and may be closely related to the occurrence of the gold-nickel-copper mineralization.

#### PREVIOUS WORK

#### **Bergman Showing**

In 1955, a group of claims located north of Isinglass Lake, known as the H.A. Bergman Prospect (Cameron-Berman Option)were examined by Dome Exploration (Canada) Limited (**Figure 4**). Dome carried out a magnetometer survey and diamond drilled eleven holes, totalling 1,712.5 meters during the period of June through September 1955.

In 1970, the Canadian Nickel Company Limited drilled ten diamond drill holes in the area immediately to the south of the Dome Exploration drill program during the period between July 1970 and August, 1971. A total of 1,339 meters were drilled.

Bruneau Mines Limited carried out a regional airborne magnetometer survey which included the area of the Canadian Arrow Mines Property, in 1983.

On March 28, 1985, Jens E. Hansen, P.Eng., reported on the results of an airborne combined magnetometer and EM geophysical survey over the Isinglass Lake Property done during December 1984 by Terraquest Limited. This survey covered north of the Isinglass Lake area. The results of this survey are considered to be more or less coincident with those results by Bruneau Mines Limited.

In September 1986, the OGS did a combined magnetometer-electromagnetic survey over the Dryden Area of North western Ontario under the Canada-Ontario Mineral Development Agreement (COMDA). This survey was done by Geoterrex Limited using a GEOTEM12-channel electromagnetic airborne system with accompanying magnetometer instrumentation. These results were published as OGS Maps 81001 and 81002 in 1987. The magnetic response was more or less coincident with the results of previous surveys. The electromagnetic results showed numerous strong electro-magnetic conductor responses over the area of Isinglass Lake.

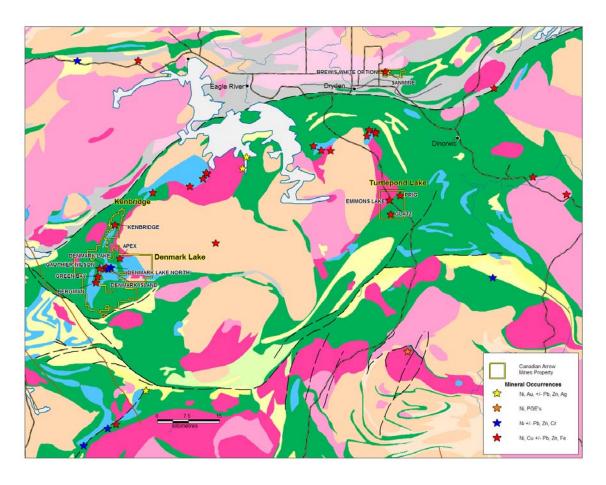


Figure 2 - Regional Geology

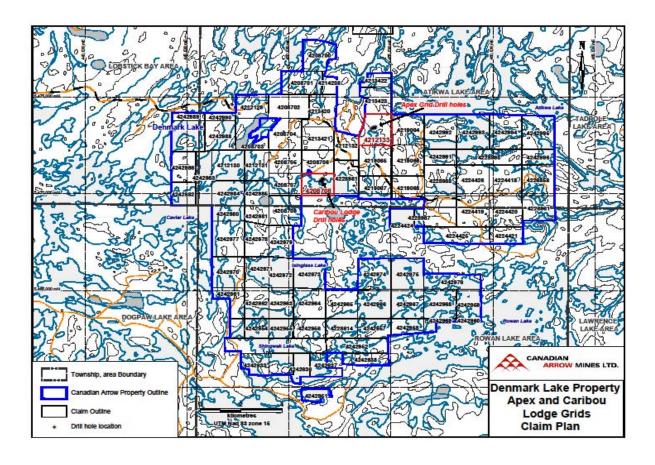


Figure 3 - Claim Plan

In 1988, Caliban Resources Inc. accomplished a program of line-cutting, geological mapping, magnetometer and VLP-electromagnetic surveying, geochemical soil sampling, trenching, rock-chip sampling and limited geological mapping were carried out during September 1988 over the north side of Isinglass Lake (**Figures 6 and 7**). This program resulted in the examination of two gold and two base metal occurrences and in addition, gave indications of potential for numerous other discoveries of these metals. Fifty indicated anomalous values in gold and copper were found in the soil sampling program of 914 samples. Fifty-four rock samples were taken from previous trenching. In 1990, two diamond drill holes were drilled on Roseman-Thomson Gold Showing.

#### **Base Line Showing**

The Base Line showing is located north of the Bergman Showing and discovered by Green Bay Mining in 1956 (**Figure 4**). Pyrrhotite, pyrite, and chalcopyrite occur in pillowed to massive, fine to medium grained basalt; especially at pillow interstices, and along fractures. Calcite and epidote stringers are common and some bleaching is evident along fractures. Three pits were sunk, with chalcopyrite least abundant in the southwest pit. These pits are shown on figure 4. OGS reported this copper showing to be a lens of pyrrhotite and chalcopyrite some 10 meters long occurring in silicified andesite in a northwest trending shear zone. Assays of chip samples across 5-foot widths were reported as ranging between 0.59% and 2.16% in copper with low values in gold. A diamond drill program of 4 holes totaliing

320 meters. These four holes were drilled in the vicinity of the northeastern most pits; in these the ratio of pyrrhotite to chalcopyrite increases with depth. Mineralized core sections are narrow, and contain less than 0.15 percent copper, and only a trace of gold. J.C Davies (R 111) mentioned a similar mineralized zone 200m south of the Base Line Showing contains narrow sections with up to 0.68 percent copper, but these sections are widely separated.

#### **Roseman-Thomson Gold Showing**

This showing is located outside of the Canadian Arrow Mines claims group but indicates a good gold potential on the Canadian Arrow Mines Isinglass Lake Property. The presence of a five-stamp mill, now in ruins, at the site of the Roseman-Thompson Gold Showing suggests this discovery was made sometime either in the late 1800's or early 1900's Burwash reported an outcrop of granite in the area of a sheared zone carrying a quartz vein on Isinglass Lake. Sylvanite Gold Mines, Kirkland Lake, examined the Roseman-Thompson Gold showing in 1943. The Gold Showing is located at the north shore of Isinglass Lake roughly 800 meters east of the Canadian Arrow Mines claim limit. One quartz vein structure has been developed locally by nine trenches along a strike length of +50 metres. The vein zone appears to be discontinuous. It consists of lenses of cherty to grey quartz. The quartz veining is parallel to sub-parallel to the enclosing schistosity. One vein of quartz carrying fine hematite occurs in the central sector of the previously trenched zone. This zone trends between N110° to N160° with dips steeply to the south. The wall rock is an altered basaltic rock or fine-grained gabbro, sheared, epidotized, chloritized and has, in spots, a bleached appearance probably due to the introduction of an iron carbonate (ankerite) and sericite. Considerable magnetic influence was noted in this area. Four chip samples were taken by the writer at this site and the results are plotted on Figure 12. Good gold values were encountered in two samples. A chip sample was taken by Caliban Resources across 15 cm of a pinkish-grey, hematite-bearing cherty quartz vein in a shallow test-pit. This vein and the enclosing andesite host rock are sheared and fractured. The andesitic host rock is somewhat chloritized and bleached. Limonite is present in the shear fractures. The chip sample assayed 16.2 gm/t Au and 15gm/t Ag. Another chip sample was taken 50m NW from the main showing, consisted of hematite bearing, pinkishgrey quartz with cherty quartz and limonite filled fractures. The assays show: 25gm/t Au and 15.5gm/t Ag.

#### **ECONOMIC GEOLOGY**

In the summers of 2008, Canadian Arrow Mines Ltd crew conducted reconnaissance prospecting and grab sampling on the principal occurrences on Isinglass Lake Property.

A summary of field work completed during 2008 programs are show in **Table 2**. Canadian Arrow Mines Ltd. supplied a crew of 7 men to complete the work.

Table 2 - Summary field work

Showing Name	Grab Samples	Grid Proposed (km)
Bergman	20	7,2
Base Line	8	-
Others	34	-
Total	62	7,2

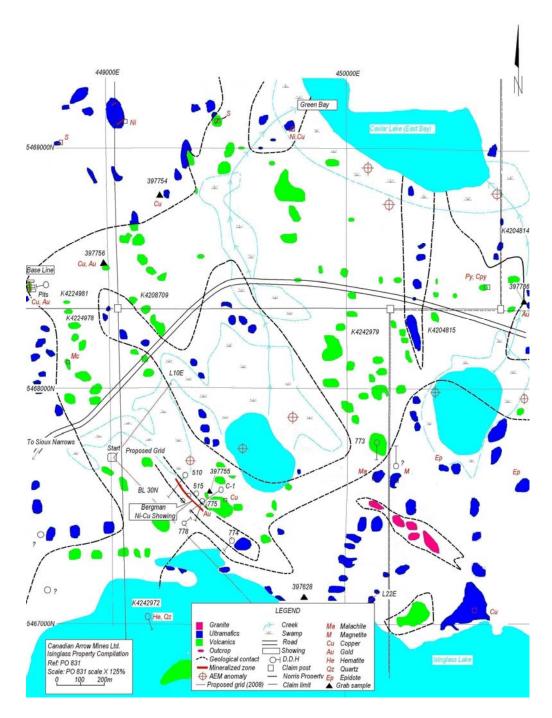


Figure 4 - Geology of Isinglass Lake

#### **SAMPLING**

In 2008, 62 grab samples were collected by Canadian Arrow Mines Ltd in vicinity of the Bergman and Base Line Showings (**Table 3**). In September of 2008, a grid was proposed to cover the Bergman Showing (**Figure 4**). The mineralization found consists of 1-5% disseminated pyrrhotite and chalcopyrite and comparable from the works in 1988 by Caliban Resources.

Good results were in the Base Line Showing area. A grab sample (397756) returned 1.35% Cu and 0.8 gm/t Au. This grab sample was taken in the pillow basalt salvages (**Table 3**). On grab sample (397787) located at the eastern limit of the property yielded anomalous gold value (0.17 gm/t) in a peridotitic rock (**Figure 4**).

**Table 3 - 2008 Grab Samples Results** 

LAB Sample	UTM Nad	83 Zone 15	Rock	Sulphides	Comments	Ni	Cu	Au
No	Easting	Northing	Type					
397736	447565.0	5463425.0	I4B	vfd, blebs po, py		0.012	0.021	< 0.001
397737	447582.0	5463441.0	I4B	1-3% po, py		0.009	0.031	0.003
397738	447623.0	5463488.0	I4B	1-3% po, py		0.006	0.048	0.006
397739	447597.0	5463476.0	I4B	1-3% po, py		0.008	0.036	0.009
397740	447427.0	5463314.0	I4B	1-3% po, py		0.013	0.022	0.002
397741	447108.0	5463949.0	I4B	1-3% po, py		0.014	0.034	0.006
397742	447107.0	5463942.0	I4B	1-3% po, py		< 0.005	0.011	0.002
397743	448015.0	5464653.0	I4B	blebs po, py		0.008	0.024	0.013
397744	447421.0	5463469.0	I4B	1-3% po, py		0.01	0.012	0.004
397745	447559.0	5463533.0	I4B	blebs po, py		0.005	0.021	0.004
397746	447562.0	5463524.0	I4B	1-3% po, py		0.008	0.018	0.003
397747	447284.0	5463484.0	I4B	1-3% po, py		0.009	0.025	0.004
397748	447248.0	5463515.0	I4B	1-3% po, py		0.013	0.027	0.003
397749	447249.0	5463322.0	I4B	tr-1% po		0.018	0.021	0.003
397750	447123.0	5463493.0	I4B	tr-1% po, py		0.011	0.013	0.005
397751	449494.0	5467282.0	I3A/I4B	tr-1% po, py		0.042	0.03	0.01
397752	449426.0	5467485.0	V3	3-5% ро, ру, сру	pillow salvages	0.019	0.046	0.008
397753	449181.0	5467791.0	V3	tr-1% po, py, cpy, mal	pillow salvages	0.031	0.033	0.029
397754	449191.0	5467831.0	V3	tr-1% po, py, cpy, mal	pillow salvages	0.017	0.121	0.009
397755	449476.0	5467476.0	V3	1-3% po, py, cpy	pillow salvages	0.008	0.13	0.032
397756	448993.0	5468470.0	V3	3-5% ро, ру, сру	pillow salvages	0.024	1.385	0.802
397757	450385.0	5468236.0	V3	1-3% po, py	pillow salvages	0.008	0.095	0.022
397758	450388.0	5463566.0	I4B	tr- 1% po	Fine grained	0.005	0.015	0.008
397759	450522.0	5463574.0	I4B	tr- 1% po	Fine grained	0.006	0.012	0.001
397786	451098.0	5468271.0	I4I	tr-1% po	layering	0.005	0.017	0.111
397787	451047.0	5468322.0	I4I	tr-1% po	layering	0.067	0.168	0.107
397788	451050.0	5468344.0	I4I	tr-1% po, py∖	layering	0.018	0.103	0.015
397621	447675.0	5467094.0	V3	tr po, py		0.013	0.023	0.003
397622	447502	5467100	V3	tr po		< 0.005	0.017	0.004
397623	447478	5467102	I3A/I4B	tr po, py		0.01	0.025	0.004

LAB Sample	UTM Nac	1 83 Zone 15	Rock	Sulphides	Comments	Ni	Cu	Au
No	Easting	Northing	Type					
397624	441483	5467055	V3	Tr Po		0.005	0.023	0.006
397625			V3			0.008	0.022	0.005
397626	447606	5467309	I4B	tr po, py		0.015	0.02	0.009
397627	450066	5467015	I4B			0.02	0.008	0.002
397628	449844	5467025	I4B	tr po		0.071	0.007	0.002
397629	449623	5467166	I4B			0.038	< 0.005	0.002
397630	449523	5467262	V3	tr-1% po py		0.018	0.015	0.01
397631	449422	5467474	V3			0.02	0.065	0.014
397632	442333	5463328	V3			0.012	0.007	0.005
397633	442285	5463443	V3			< 0.005	0.013	0.007
397634	441898	5463452	I3A/I4B			0.064	0.014	0.01
397635	441891	5463373	V3	tr po		0.006	0.019	0.004
397636	449761	5468955	V3	tr po		0.01	0.005	0.001

397637	449775	5468690	V3	tr po		0.006	0.014	0.001
397638	449688	5468471	V3	tr po		0.006	0.017	0.001
397509	449508.0	5467271.0	I3A/I4B	tr-1% po, py		0.023	0.049	0.019
397510	449428.0	5467544.0	V3	10-15% py, po		0.076	0.121	0.048
397511	449417.0	5467375.0	I4B	tr po, py		0.031	0.013	0.006
397512	449422.0	5467527.0	V3	1% ру,ро	float from trench	0.022	0.012	0.016
397513	449431.0	5467550.0	V3	10-15% ру, сру	float from trench	0.035	0.057	0.044
397514	449422.0	5467549.0	V3	10-15% ру,сру	outcrop at trench	0.022	0.037	0.017
397515	449527.0	5467449.0	V3	1-2% py		0.015	0.024	0.005
397516	448991.0	5468468.0	V3	1-3% сру, ро	copper showing	0.013	0.705	0.208
397517	448963.0	5468448.0	V3	1% cpy, po	copper showing	0.008	0.014	0.003
397522	450465.0	5462241.0	qtz vein	tr py		0.018	0.027	0.001
397523	450325.0	5462763.0	I4B	tr-1% po, py	magnetic	0.006	0.014	0.002
397524	450532.0	5463559.0	I4B	tr-1% po, py		0.008	0.025	0.002
397528	447855.0	5466709.0	I4B	1%po,py		0.008	0.017	0.001
397529	450135.0	5467908.0	V3	2-3% ро,сру	trench	0.012	0.012	0.002
397103	447520	5463319	I4B	1% Po, Cpy		< 0.005	0.023	0.005
397104	447535	5463317	I4B	1-3% po		< 0.005	0.012	0.001
397105	447366	5463270	I4B	1-3% po		< 0.005	0.015	0.003
397106	447172	5463008	I4B	1% Po		< 0.005	0.01	0.001
397101	445106	5470707	I4B	Po, Cpy		< 0.005	0.044	0.163
397102	445107	5470709	I4B	Tr- 1% Po, Cpy		< 0.005	0.016	0.005
397732	444400	5470954	I4B	disseminated po		0.006	0.017	0.003
397733	443478	5472052	V3	1-3% Cpy		0.018	0.043	0.076
397734	451193	5473946	I4B	trace po		< 0.005	0.014	0.001
397735	447358	5473946	I4B	trace po, py		0.015	0.013	0.002

#### **GEOPHYSICS**

The interpretation of an airborne magnetic and VLF-electromagnetic survey done by Terraquest Ltd. in December 1984 indicates a series of northwest trending postulated fault zones and four VLF-electromagnetic conductor axes in the area surveyed. A prominent northeast-trending aeromagnetic anomaly is shown overlying the property area (**Figure 5**). A peak of greatest magnetic intensity occurs in the west central sector of the claim group.

Geoterrex Limited carried out a combined airborne electromagnetic and magnetometer airborne survey over the Isinglass Lake area as part of a regional program. The results of this work indicated several strong electromagnetic responses over Isinglass Lake immediately south of the Claim Group. One of these EM responses occurred near the northwest shoreline of this lake in the area of the diamond drilling done by Canadian Nickel Company in 1970 (**Figures 4 and 5**)

#### DIAMOND DRILLING

#### **Bergman Showing**

In the west-southwest sector of the property, the sulphide mineralization is poorly exposed on surface. Sulphides occurring north-west of Isinglass Lake occur in the gabbroic groups of rocks. The diamond drill holes logs, from the programs conducted by Dome Exploration and Canadian Nickel, classify the host rock for the sulphide mineralization, pyrrhotite, chalcopyrite, pyrite and pentlandite, as norite. Best drill intersections assayed 0.87% Ni and 0.75% Cu over 1.5 m. Lithologies intersected included norite, granodiorite, and intermediate metavolcanic rocks. In holes C-1 and C-2 some sections were analysed for gold numerous anomalous gold values were reported in dwt (1dwt = 1.55gm/t). One section of hole C-1

returned 2.5gm/t Au (1,60 dwt) over 1,21m. According the log, this zone is associated directly with the pyrrhotite in the gabbro.

In 1970, best intersections assayed from Canadian nickel were 0.08% Ni and 3.18% Cu over 0.24m, 0.05% Ni and 1.82% Cu over 0.12m, 0.4% Ni and 0.55% Cu over 0.15 m. Mineralization included pyrrhotite, pentlandite, chalcopyrite and pyrite with some sections containing up to 70% sulphide minerals. Traces of platinum and palladium were noted in hole 48534 drilled by Canadian Nickel.

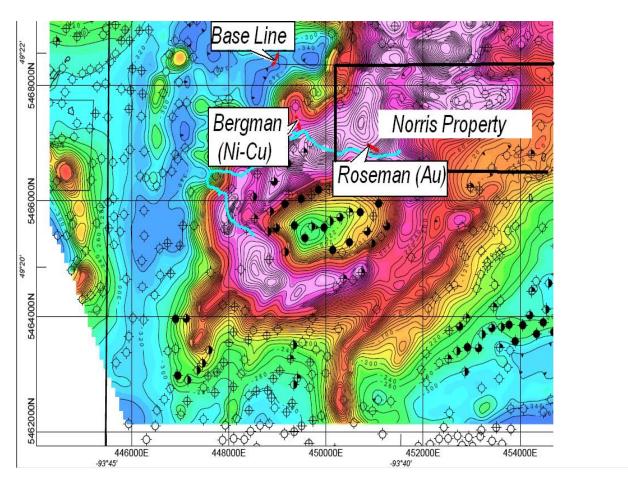


Figure 5- Geophysics of Isinglass Lake

In 1988, Caliban Resources sampled remnants of drill core (EXT size) mineralized with less than 5% pyrrhotite, pyrite and sparse chalcopyrite were collected from a drill core storage area in ruins on Canadian Arrow Mines Property. The host rock is andesite. The assays showed low values for Ni-Cu-Au and Ag.

#### **Roseman-Thomson Showing**

The gold value of 0.93 gm/t gold over 0.76m in Caliban hole 2 between 23.4 m and 24.1m occurred in a chloritized gabbro carrying 2% pyrite and pyrrhotite. The low gold value in hole 3 was logged as similar to the intersection in hole 2 and carried quartz veinlets.

Table 5 - Diamond Drill Holes

Area	Compagny	Drill Hole	From	To	Interval	Ni	Cu	Au
Showing		Number	m	m	m	%	%	gm/t
Bergman	Dome Exploration	C-1	91.4	92.9	1.52	0.87	0.75	NA
Bergman	Dome Exploration	C-1	74.9	76.1	1.21	NA	NA	2.5
Bergman	Dome Exploration	C-5	91.4	95.9	4.57	0.79	0.51	NA
Bergman	Canadian Nickel	510	95.7	96.24	0.24	0.08	3.18	NA
Roseman	Caliban Resources	2	23.4	24.1	0.76	NA	NA	0.93
Roseman	Caliban Resources	3	26.1	26.4	0.3	NA	NA	0.31

#### INTERPRETATION

#### Nickel-copper soil anomalies

Nickel-copper mineralized sections were reported in the diamond drill holes from Dome and Canadian Nickel. In many logs from these two companies, the mineralized zones are limited by a rapid alternation between gabbro/pyroxenite and andesite units. The geochemical soil ("B" horizon) survey carried out in 1988 by Caliban Resources, shows a strong nickel anomaly (>500ppm) southeast of the Bergman Showing. Caliban never extended the grid to the north west of the Bergman showing (**Figure 6**). A copper soil anomaly (102ppm) was also detected south east of the showing with the highest nickel value (**Figure 7**). Several other nickel-copper soils anomalies are located east of the Bergman Showing and on Norris Property.

The second significant nickel soil anomaly is located between two small lakes north of Isinglass Lake. Two diamond drill holes from Canadian Nickel were drilled on each side of this nickel anomaly, no assays were reported (**Figure 6**).

Two other important nickel anomalies are located southeast of Bergman Showing in the same Roseman-Thomson Showing strikes (**Figure 7**).

#### Gold soil anomalies

A series of high gold anomalies are located on Caliban grid line L0E on northeast side of the Bergman Showing. The values ranging between 48 and 870 ppb (**Figure 7**). The highest value (870ppb) is not associated with the nickel-copper showing. In hole C-1, the best gold interval hosted in the gabbro associated with the pyrrhotite sulphide without high nickel and copper values. The gold soil anomalies trending in the same direction as the Bergman Showing zone and interpreted to be extend to the northwest (**Figure 7**).

Several other gold anomalies are located on the Norris Property side. These anomalies are mainly situated on the volcanic rocks but close to the utramafics contact. Two elongated gold anomalies were noted on Norris claim K 4294815 and illustrate how the gold mineralization is controlled by the lithological contacts in this area (**Figure 7**)

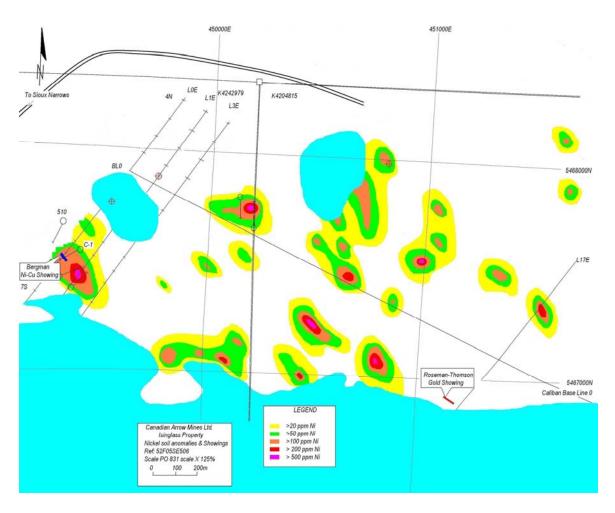


Figure 6 - Nickel soil anomalies & Showings

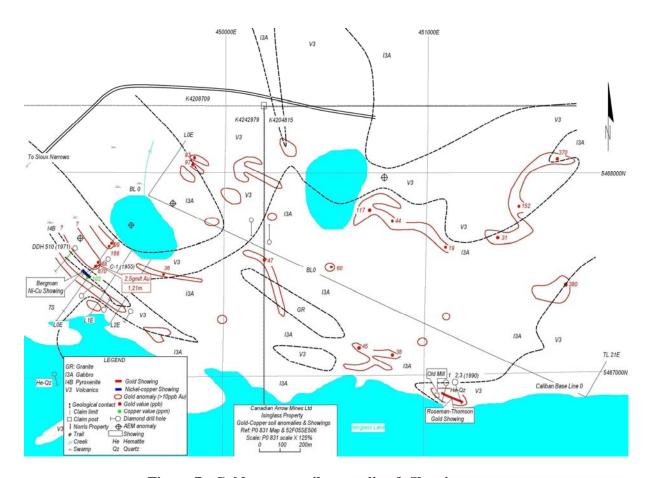


Figure 7 - Gold-copper soil anomalies & Showings

#### CONLUSION AND RECOMMENDATIONS

The nickel-copper potential on Isinglass Lake remains very good but there is a lot of ground to be evaluated.

The quartz veins at Roseman-Thomson Showing carrying fine hematite. The gold zone trends between N110° to N160° with dips steeply to the south and is probably connected at depth with the Bergman showing. Geological contacts, gold soils anomalies, and EM conductors suggest strongly are direct relation between these two showings. The wall rock at the Roseman Gold Showing is an altered basaltic rock or fine grained gabbro, sheared, epidotized and chloritized. The chip samples witch contains high gold values were taken in a pinkishgrey, hematite bearing cherty quartz vein and a grey quartz with hematite bearing.

The presence of quartz, hematite, epidote, chlorite and sericite found near the Bergman Showing are excellent pathfinders for gold bearing mineralization. Green bay Mining, Dome Exploration, Canadian Nickel and Caliban Resources reported many times these minerals in their diamond drill holes logs. Gold assays in these logs were indicated for only a few intervals and predominantly in the nickel-copper host rocks. In December of 1984, J.E. Hansen, P.Eng for Terraquest recommended analyses for gold of the rocks in the vicinity of the Dome Exploration diamond drill hole program.

In some old trenches located northeast of Roseman-Thomson Gold Showing, copper mineralizations were reported to be directly associated with gold occurrences. The Canadian Arrow Mines Ltd. sample 397756 located around Base Line Showing returned anomalous gold value associated with the copper showing.

One EM response occurred near the Bergman Showing seem has been never tested by Canadian Nickel in 1970. This EM conductor is located only few hundred meters northwest from the highest gold soil anomaly found by Caliban Resources on north western side of Isinglass Lake. The 2.5gm/t gold interval is associated with the pyrrhotite in the gabbro. A limited amount of magnetometer surveying was done on the Isinglass Lake Property. A magnetometer survey of the Canadian Arrow Mines claim group is recommended. The mineralized shear zone on Roseman-Thomson Gold Showing which carries hematite and magnetite and hosts the gold showing should be the best place to calibrate for a magnetometer survey on Canadian Arrow Mines Ltd Property.

The entire area between Bergman-Base and Line Showings should be covered with a grid. Geochemical soil sampling is proposed for this area with detailed soil sampling (10metres stations) for Bergman Showing area.

Over seven other sulphide occurrences are located on the western limit of Isinglass Lake and possibly have never been tested for gold mineralization. Some of theses showings are associated with a major N-S shear zone between gabbro and volcanics rocks (see Map P0831). This area should be the second priority target for Canadian Arrow Mines Ltd to find a gold deposit on Isinglass Lake Property.

#### REFERENCES

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O.G.S, Map 2273 Atikwa Lake Kenora District. Scale 1:31,680

O.G.S. P.R. 1952-4, Preliminary Report on Copper, Nickel, Lead, and Zinc Deposits of Ontario(Second Edition, May, 1952) by Jas. E. Thomson and Resident Geologists.

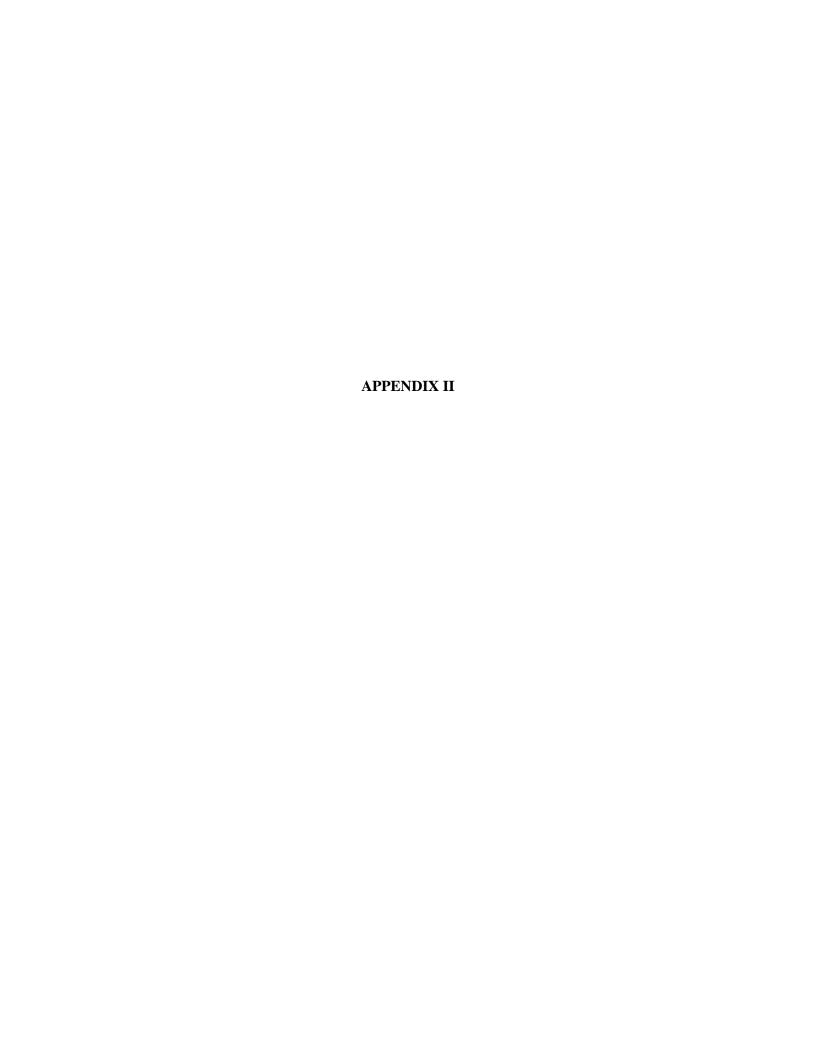
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O.G.S. Preliminary Map P. 831 **ROWAN LAKE AREA**, DISTRICT OF KENORA By J.C Davies, 1974

# APPENDIX I LAB CERTIFICATES



### **Isinglass Work Summary**

1: North Isinglass – Copper, nickel showing found and sampled. Mineral is found in both the pillow salvages of mafic volcanics and in pyroxenite. The best samples come from the mafic volcanics. Requires further work.

Samples include: 397751 – 397755 397628 – 397631 397509 – 397515

Work done by Tamara, Fred, and Jason

2 + 3: South West Isinglass – High mag is caused by a pyroxenite intrusion. The pyroxenite contains very finely disseminated po + py and in some places blebby po + py. A strong conductor which runs N-S maybe as a result of the mineralization. A map has been plotted including sample locations. May require further work pending assay results.

Samples include: 397734 – 397750 397103 – 397106

Work done by Jason and Peter

4: South East Isinglass – High mag is believed to be caused by a pyroxenite intrusion. The pyroxenite contained blebby po + py surrounded by magnetite. The extent of the intrusion is not fully known. May require further work pending assay results.

Samples include: 397758 – 397759 397522 – 397524

Work done by Fred, Tamara, and Jason

5: North West Isinglass – Old copper showing found and sampled. The mineralization is found in the pillow salvages of mafic volcanics similar to that of North Isinglass (1). The extent of this mineralization is not defined. Further work is required.

Samples include: 397756 397516 – 397517

Work done by Tamara and Jason

6: South Ross Creek – Unable to locate old showing. Further work is required.

Work done by Fred

7: Ross-Denmark Lake – The high mag south of where Ross Creek and Denmark Lake meet is caused by a magnetic gabbro intrusion. Barren pyroxenite was found at both the south and north ends. No further work is required.

No samples taken.

Work done by Jason

8: North Caviar Lake – A large pyroxenite body was found containing trace to minor mineralization. Large portions of the body remain unexamined. More accurate targets would be useful if further work is required.

Samples include: 397732 – 397733 397101 – 397102

Work done by Jason and Peter

9: North East Caviar Lake – The slight mag high appears to be caused by a pyroxenite intrusion running NE/SW. The pyroxenite contained trace mineralization of po + py. No further work is required.

Samples include: 397734 – 397735

Work done by Jason and Peter

10 + 11: South West Atikwa Lake – The high mag is caused by a large magnetic gabbro intrusion. The north west side contains barren pyroxenite veins intruding the gabbro. No further work is required.

No samples taken

Work done by Jason and Peter

12: South West Shingwak Lake – The mag was not explained do to no outcrop found in the area.

Work done by Jason

13 + 14: West Isinglass – The 'knuckle' mags are believed to be caused by a pyroxenite intrusion. Trace mineralization of py + po was found in the pyroxenite. Similar pyroxenite was found south of the 'knuckle'. This pyroxenite contained some minor mineralization of py + po. May require further work pending assay results.

Samples include: 397621 – 397626

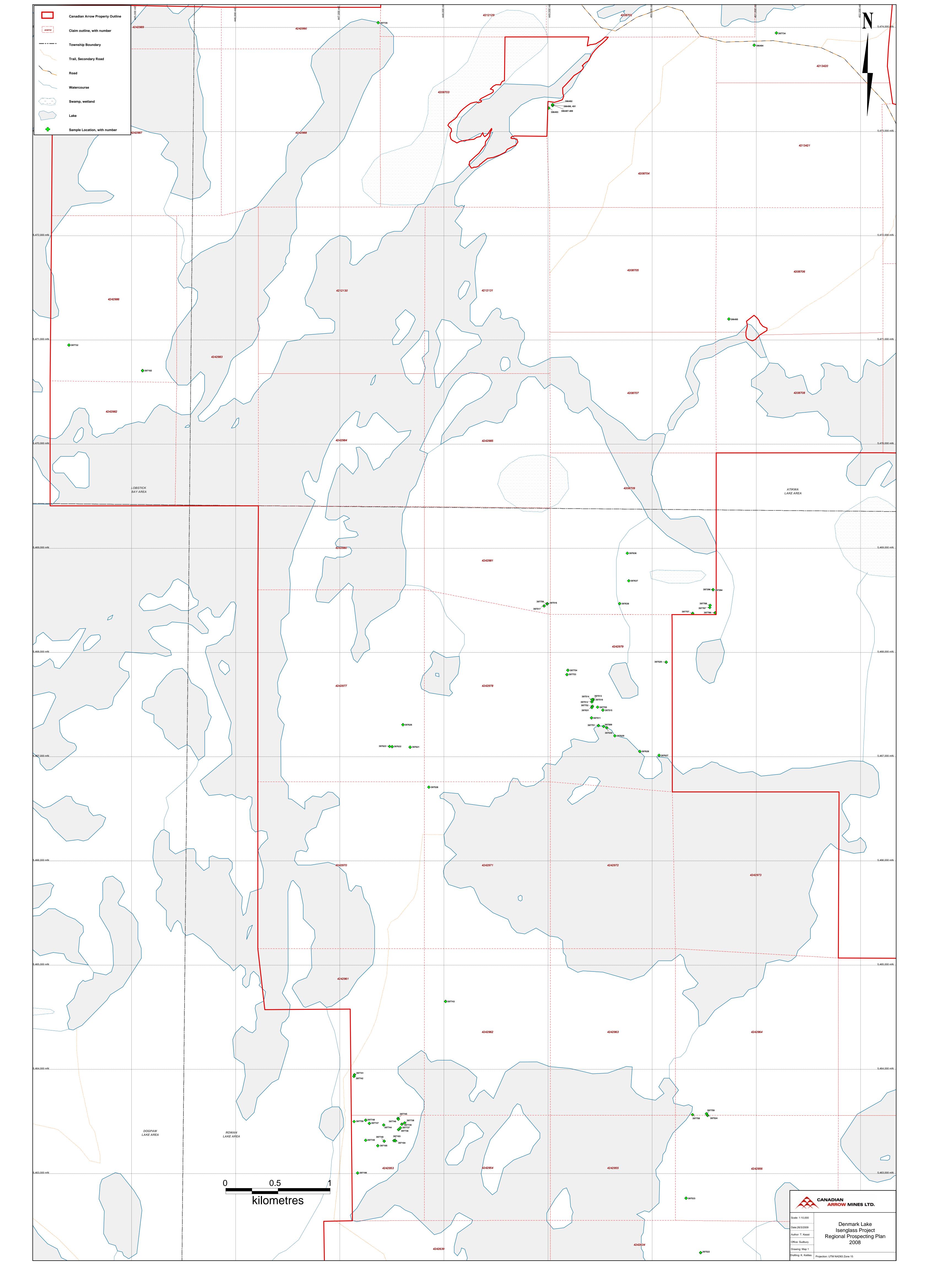
Work done by Fred and Tamara

**Table 3 - 2008 Grab Samples Results** 

LAB Sample	UTM Nad	83 Zone 15	Rock	Sulphides	Comments	Ni	Cu	Au
No	Easting	Northing	Type					
397736	447565.0	5463425.0	I4B	vfd, blebs po, py		0.012	0.021	< 0.001
397737	447582.0	5463441.0	I4B	1-3% po, py		0.009	0.031	0.003
397738	447623.0	5463488.0	I4B	1-3% po, py		0.006	0.048	0.006
397739	447597.0	5463476.0	I4B	1-3% po, py		0.008	0.036	0.009
397740	447427.0	5463314.0	I4B	1-3% po, py		0.013	0.022	0.002
397741	447108.0	5463949.0	I4B	1-3% po, py		0.014	0.034	0.006
397742	447107.0	5463942.0	I4B	1-3% po, py		< 0.005	0.011	0.002
397743	448015.0	5464653.0	I4B	blebs po, py		0.008	0.024	0.013
397744	447421.0	5463469.0	I4B	1-3% po, py		0.01	0.012	0.004
397745	447559.0	5463533.0	I4B	blebs po, py		0.005	0.021	0.004
397746	447562.0	5463524.0	I4B	1-3% po, py		0.008	0.018	0.003
397747	447284.0	5463484.0	I4B	1-3% po, py		0.009	0.025	0.004
397748	447248.0	5463515.0	I4B	1-3% po, py		0.013	0.027	0.003
397749	447249.0	5463322.0	I4B	tr-1% po		0.018	0.021	0.003
397750	447123.0	5463493.0	I4B	tr-1% po, py		0.011	0.013	0.005
397751	449494.0	5467282.0	I3A/I4B	tr-1% po, py		0.042	0.03	0.01
397752	449426.0	5467485.0	V3	3-5% po, py, cpy	pillow salvages	0.019	0.046	0.008
397753	449181.0	5467791.0	V3	tr-1% po, py, cpy, mal	pillow salvages	0.031	0.033	0.029
397754	449191.0	5467831.0	V3	tr-1% po, py, cpy, mal	pillow salvages	0.017	0.121	0.009
397755	449476.0	5467476.0	V3	1-3% po, py, cpy	pillow salvages	0.008	0.13	0.032
397756	448993.0	5468470.0	V3	3-5% po, py, cpy	pillow salvages	0.024	1.385	0.802
397757	450385.0	5468236.0	V3	1-3% po, py	pillow salvages	0.008	0.095	0.022
397758	450388.0	5463566.0	I4B	tr- 1% po	Fine grained	0.005	0.015	0.008
397759	450522.0	5463574.0	I4B	tr- 1% po	Fine grained	0.006	0.012	0.001
397786	451098.0	5468271.0	I4I	tr-1% po	layering	0.005	0.017	0.111
397787	451047.0	5468322.0	I4I	tr-1% po	layering	0.067	0.168	0.107
397788	451050.0	5468344.0	I4I	tr-1% po, py∖	layering	0.018	0.103	0.015
397621	447675.0	5467094.0	V3	tr po, py		0.013	0.023	0.003
397622	447502	5467100	V3	tr po		< 0.005	0.017	0.004
397623	447478	5467102	I3A/I4B	tr po, py		0.01	0.025	0.004

LAB Sample	UTM Nac	d 83 Zone 15	Rock	Sulphides	Comments	Ni	Cu	Au
No	Easting	Northing	Type					
397624	441483	5467055	V3	Tr Po		0.005	0.023	0.006
397625	441483	5467055	V3			0.008	0.022	0.005
397626	447606	5467309	I4B	tr po, py		0.015	0.02	0.009
397627	450066	5467015	I4B			0.02	0.008	0.002
397628	449844	5467025	I4B	tr po		0.071	0.007	0.002
397629	449623	5467166	I4B			0.038	< 0.005	0.002
397630	449523	5467262	V3	tr-1% po py		0.018	0.015	0.01
397631	449422	5467474	V3			0.02	0.065	0.014
397632	442333	5463328	V3			0.012	0.007	0.005
397633	442285	5463443	V3			< 0.005	0.013	0.007
397634	441898	5463452	I3A/I4B			0.064	0.014	0.01
397635	441891	5463373	V3	tr po		0.006	0.019	0.004
397636	449761	5468955	V3	tr po		0.01	0.005	0.001
397637	449775	5468690	V3	tr po		0.006	0.014	0.001
397638	449688	5468471	V3	tr po		0.006	0.017	0.001
397509	449508.0	5467271.0	I3A/I4B	tr-1% po, py		0.023	0.049	0.019

207510	110120.0	54675440	370	10.150/		0.076	0.101	0.040
						0.0.0		0.048
397511	449417.0	5467375.0	I4B	tr po, py		0.031	0.013	0.006
397512	449422.0	5467527.0	V3	1% py,po	float from trench	0.022	0.012	0.016
397513	449431.0	5467550.0	V3	10-15% ру, сру	float from trench	0.035	0.057	0.044
397514	449422.0	5467549.0	V3	10-15% ру,сру	outcrop at trench	0.022	0.037	0.017
397515	449527.0	5467449.0	V3	1-2% py		0.015	0.024	0.005
397516	448991.0	5468468.0	V3	1-3% cpy, po	copper showing	0.013	0.705	0.208
397517	448963.0	5468448.0	V3	1% cpy, po	copper showing	0.008	0.014	0.003
397522	450465.0	5462241.0	qtz vein	tr py		0.018	0.027	0.001
397523	450325.0	5462763.0	I4B	tr-1% po, py	magnetic	0.006	0.014	0.002
397524	450532.0	5463559.0	I4B	tr-1% po, py		0.008	0.025	0.002
397528	447855.0	5466709.0	I4B	1%po,py		0.008	0.017	0.001
397529	450135.0	5467908.0	V3	2-3% ро,сру	trench	0.012	0.012	0.002
397103	447520	5463319	I4B	1% Po, Cpy		< 0.005	0.023	0.005
397104	447535	5463317	I4B	1-3% po		< 0.005	0.012	0.001
397105	447366	5463270	I4B	1-3% po		< 0.005	0.015	0.003
397106	447172	5463008	I4B	1% Po		< 0.005	0.01	0.001
397101	445106	5470707	I4B	Po, Cpy		< 0.005	0.044	0.163
397102	445107	5470709	I4B	Tr- 1% Po, Cpy		< 0.005	0.016	0.005
397732	444400	5470954	I4B	disseminated po		0.006	0.017	0.003
397733	443478	5472052	V3	1-3% Cpy		0.018	0.043	0.076
397734	451193	5473946	I4B	trace po		< 0.005	0.014	0.001
397735	447358	5473946	I4B	trace po, py		0.015	0.013	0.002
	397513 397514 397515 397516 397517 397522 397523 397524 397528 397529 397103 397104 397105 397106 397101 397102 397732 397733	397511         449417.0           397512         449422.0           397513         449422.0           397514         449422.0           397515         449527.0           397516         448991.0           397517         448963.0           397522         450465.0           397523         450325.0           397524         450532.0           397529         450135.0           397103         447520           397104         447535           397105         447366           397106         447172           397102         445107           397732         444400           397734         451193	397511         449417.0         5467375.0           397512         449422.0         5467527.0           397513         449431.0         5467550.0           397514         449422.0         5467549.0           397515         449527.0         5467449.0           397516         448991.0         5468468.0           397517         448963.0         5468448.0           397522         450465.0         5462241.0           397523         450325.0         5463763.0           397524         450532.0         5463559.0           397528         447855.0         5466709.0           397529         450135.0         5467908.0           397103         447520         5463319           397104         447535         5463317           397105         447366         5463270           397106         447172         5463008           397101         445106         5470707           397732         444400         5470954           397734         451193         5473946	397511         449417.0         5467375.0         I4B           397512         449422.0         5467527.0         V3           397513         449431.0         5467550.0         V3           397514         449422.0         5467549.0         V3           397515         449527.0         5467449.0         V3           397516         448991.0         5468468.0         V3           397517         448963.0         5468448.0         V3           397522         450465.0         5462241.0         qtz vein           397523         450325.0         5463559.0         I4B           397524         450532.0         5463559.0         I4B           397528         447855.0         5466709.0         I4B           397529         450135.0         5467908.0         V3           397103         447520         5463319         I4B           397104         447535         5463317         I4B           397105         447366         5463270         I4B           397106         447172         5463008         I4B           397101         445106         5470707         I4B           397732         4444400         5470954	397511         449417.0         5467375.0         I4B         tr po, py           397512         449422.0         5467527.0         V3         1% py,po           397513         449431.0         5467550.0         V3         10-15% py, cpy           397514         449422.0         5467549.0         V3         10-15% py, cpy           397515         449527.0         5467449.0         V3         1-2% py           397516         448991.0         5468468.0         V3         1-3% cpy, po           397517         448963.0         5468448.0         V3         1% cpy, po           397522         450465.0         5462241.0         qtz vein         tr py           397523         450325.0         5462763.0         I4B         tr-1% po, py           397524         450532.0         5463559.0         I4B         tr-1% po, py           397528         447855.0         5466709.0         I4B         1%po, py           397529         450135.0         5463319         I4B         1% Po, Cpy           397103         447520         5463317         I4B         1-3% po           397104         447535         546308         I4B         1% Po           397105	397511         449417.0         5467375.0         I4B         tr po, py           397512         449422.0         5467527.0         V3         1% py,po         float from trench           397513         449431.0         5467550.0         V3         10-15% py, cpy         float from trench           397514         449422.0         5467549.0         V3         10-15% py, cpy         outcrop at trench           397515         449527.0         5467449.0         V3         1-2% py         outcrop at trench           397516         448991.0         5468468.0         V3         1-3% cpy, po         copper showing           397517         448963.0         5468448.0         V3         1% cpy, po         copper showing           397522         450465.0         5462241.0         qtz vein         tr py           397523         450325.0         5462763.0         I4B         tr-1% po, py         magnetic           397524         450532.0         5466709.0         I4B         1%po,py         trench           397529         450135.0         5467908.0         V3         2-3% po,cpy         trench           397103         447520         5463317         I4B         1-3% po           397104	397511         449417.0         5467375.0         14B         tr po, py         0.031           397512         449422.0         5467527.0         V3         1% py,po         float from trench         0.022           397513         449431.0         5467550.0         V3         10-15% py, cpy         float from trench         0.035           397514         449422.0         5467549.0         V3         10-15% py, cpy         outcrop at trench         0.022           397515         449527.0         5467449.0         V3         1-2% py         outcrop at trench         0.022           397516         448991.0         5468468.0         V3         1-3% cpy, po         copper showing         0.013           397517         448963.0         5468448.0         V3         1% cpy, po         copper showing         0.008           397522         450465.0         5462241.0         qtz vein         tr py         magnetic         0.008           397523         450325.0         546359.0         I4B         tr-1% po, py         magnetic         0.006           397524         450532.0         546359.0         I4B         tr-1% po, py         0.008           397525         450135.0         5467609.0         V3	397511         449417.0         5467375.0         I4B         tr po, py         0.031         0.013           397512         449422.0         5467527.0         V3         1% py,po         float from trench         0.022         0.012           397513         449431.0         5467550.0         V3         10-15% py, cpy         float from trench         0.035         0.057           397514         449422.0         5467549.0         V3         10-15% py, cpy         outcrop at trench         0.022         0.037           397515         449527.0         5467449.0         V3         1-2% py         0.015         0.024           397516         448991.0         5468468.0         V3         1-3% cpy, po         copper showing         0.013         0.705           397517         448963.0         5468448.0         V3         1% cpy, po         copper showing         0.013         0.705           397523         450465.0         5462241.0         qtz vein         tr py         magnetic         0.006         0.014           397524         450532.0         546359.0         I4B         tr-1% po, py         magnetic         0.006         0.014           397528         447855.0         5466790.0         I4B





# ALS Chemex EXCELLENCE IN ANALYTICAL CHEMISTRY

EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.

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To: CANADIAN ARROW MINES LTD. BRADY SQUARE 233 BRADY STREET, UNIT #8 SUDBURY ON P3B 4H5

Page: 1 Finalized Date: 1-SEP-2008

nalized Date: 1-SEP-2008
Account: CNARMN

#### **CERTIFICATE TB08109313**

Project:

P.O. No.:

This report is for 52 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2008.

The following have access to data associated with this certificate:

TODD KEAST

DEAN MACEACHERN

ACCOUNTS PAYABLE

SAMPLE PREPARATION							
ALS CODE	DESCRIPTION						
WEI-21	Received Sample Weight						
LOG-22	Sample login - Rcd w/o BarCode						
CRU-31	Fine crushing - 70% <2mm						
CRU-QC	Crushing QC Test						
PUL-QC	Pulverizing QC Test						
SPL-21	Split sample - riffle splitter						
PUL-31	Pulverize split to 85% <75 um						

	ANALYTICAL PROCEDUR	ES
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA62	Ore grade Ag - four acid /AAS	AAS
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

To: CANADIAN ARROW MINES LTD.
ATTN: TODD KEAST
BRADY SQUARE
233 BRADY STREET, UNIT #8
SUDBURY ON P3B 4H5

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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To: CANADIAN ARROW MINES LTD. BRADY SQUARE 233 BRADY STREET, UNIT #8 SUDBURY ON P3B 4H5 Page: 2 - A Total # Pages: 3 (A) Finalized Date: 1-SEP-2008 Account: CNARMN

								<u> </u>	CERTIFICATE OF ANALTSIS TBUOTUS				03313	)13		
	Method Analyte	WEI-21 Recvd Wt.	ME-ICP81 Ni	ME-ICP81 Cu	ME-ICP81 Co	PGM-ICP23 Pt	PGM-ICP23 Pd	PGM-ICP23 Au	Ag-AA62 Ag	ME-ICP81 S	PGM-ICP27 Au	PGM-ICP27 Au Check	PGM-ICP27 Pt	PGM-ICP27 Pt Check	PGM-ICP27 Pd	PGM-ICP27 Pd Check
	Units	kg	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description	LOR	0.02	0.005	0.005	0.002	0.005	0.001	0.001	1	0.01	0.03	0.03	0.03	0.03	0.03	0.03
397749		2.75	0.018	0.021	0.004	<0.005	0.001	0.003	<1	0.48						
397750		2.82	0.011	0.013	0.006	0.005	0.005	0.005	1	0.49						
397751		2.29	0.042	0.030	0.006	0.018	0.019	0.010	<1	0.49						
397752		2.96	0.019	0.046	0.009	0.006	0.001	0.008	1	1.15						
397753		2.25	0.031	0.033	0.015	0.007	0.005	0.029	1	1.27						
397754		1.64	0.017	0.121	0.009	0.008	0.004	0.009	1	1.59						
397755		3.30	0.008	0.130	0.010	<0.005	<0.001	0.032	1	1.84						
397756		2.71	0.024	1.385	0.023	<0.005	<0.001	0.802	5	4.61						
397757		2.51	0.008	0.095	0.006	< 0.005	<0.001	0.022	<1	0.75						
397758		1.82	0.005	0.015	0.004	<0.005	<0.001	0.008	<1	0.26						
397759		1.94	0.006	0.012	0.004	<0.005	<0.001	0.001	<1	0.18						
397760		1.91	0.012	0.009	< 0.002	<0.005	<0.001	0.001	1	0.10						
397761 397762		1.89	0.016 0.005	0.022	0.007	< 0.005	< 0.001	0.010	<1	3.76 4.40						
397763		2.10 1.38	< 0.005	<0.005 0.007	<0.002 <0.002	<0.005 <0.005	0.001 0.001	0.004 0.013	1 <1	4.40 6.80						
397764		0.29	0.025	0.026	0.009	0.006	0.001	0.006	1	34.3						
397765		2.82	0.011	0.024	0.005	< 0.005	0.002	0.007	<1	6.22						
397766 397767		1.52 1.43	<0.005 <0.005	0.007 0.027	<0.002 0.004	<0.005	0.001 0.023	<0.001 0.005	1 <1	1.28 0.61						
397768		1.43	0.005	0.027	< 0.004	0.020 <0.005	0.023	0.003	<1 <1	0.45						
397769		1.47	<0.005	0.013	<0.002	<0.005	<0.001	<0.001	1	0.34						
397770		0.87	0.019	0.137	0.012	0.006	0.004	0.001	2	9.11						
397771		0.18	0.016	0.016	0.012	< 0.005	0.001	< 0.001	<1	0.48						
397772		1.78	< 0.005	0.028	0.008	< 0.005	< 0.001	0.025	1	0.78						
397773		1.53	<0.005	0.007	0.003	<0.005	0.001	0.002	<1	0.85						
397774		1.56	<0.005	<0.005	<0.002	<0.005	0.001	0.035	<1	2.32						
397775		0.90	<0.005	0.018	0.031	<0.005	0.001	0.003	<1	14.25						
397776		1.73	0.067	0.146	0.010	0.034	0.053	0.034	2	0.70						
397777		1.70	0.092	0.118	0.005	0.059	0.167	0.063	<1	0.48						
397778		1.14	1.165	0.707	0.077	0.690	>10.0	0.554	1	11.50	0.45	0.47	0.89	0.67	11.00	11.30
397779		1.76	0.026	0.015	0.005	0.014	0.023	0.003	<1	0.81						
397780		1.41	0.010	0.009	< 0.002	<0.005	0.013	0.001	1	2.55						
397781		2.52	0.033	0.031	0.036	<0.005	0.005	0.013	1	24.2						
397782		1.08	0.005	0.011	<0.002	<0.005	0.002	0.003	1	1.15						
397783		1.04	0.009	0.053	0.003	<0.005	0.001	0.027	2	0.34						
397784		1.78	0.005	0.005	< 0.002	< 0.005	0.001	0.001	<1	2.52						
397785		1.79	0.006	0.019	0.005	<0.005	0.004	0.003	1	6.55						
397786		1.85	0.005	0.017	0.003	<0.005	0.001	0.111	<1	0.57						
397787		1.72	0.067	0.168	0.010	0.012	0.011	0.107	1	1.13						
397788		1.76	0.018	0.103	0.006	<0.005	0.001	0.015	1	1.60						



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CERTIFICATE OF ANALYSIS	TB08109313	

							<u> </u>		<u> </u>	IOAIL	<u> </u>	<u> </u>	1000	103010	
Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP81 Ni % 0.005	ME-ICP81 Cu % 0.005	ME-ICP81 Co % 0.002	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	PGM-ICP23 Au ppm 0.001	Ag-AA62 Ag ppm 1	ME-ICP81 S % 0.01	PGM-ICP27 Au ppm 0.03	PGM-ICP27 Au Check ppm 0.03	PGM-ICP27 Pt ppm 0.03	PGM-ICP27 Pt Check ppm 0.03	PGM-ICP27 Pd ppm 0.03	PGM-ICP27 Pd Check ppm 0.03
	2.23 1.88 0.84 0.96 3.24	<0.005 <0.005 0.009 0.207 0.513	2.66 0.157 0.077 0.286 0.625	0.007 0.014 0.009 0.013 0.033	<0.005 <0.005 <0.005 0.284 0.057	0.001 0.001 0.002 0.649 0.245	1.175 0.018 0.007 0.259 0.225	8 1 <1 2 2	3.72 2.06 1.56 0.97 4.76						
	1.96 1.90 1.31 1.80 1.56	0.061 0.062 0.011 0.005 0.009	0.069 0.006 <0.005 0.015 0.015	0.009 0.008 0.004 0.005 0.004	0.026 0.028 <0.005 0.017 0.017	0.048 0.018 0.014 0.011 0.015	0.020 0.002 0.001 <0.001 0.002	1 <1 1 1 <1	0.35 0.05 0.02 0.64 0.02						
	1.70 1.80	<0.005 0.007	0.756 0.017	0.006 0.006	0.011 <0.005	0.010 <0.001	0.008 0.004	2 1	0.91 1.16						
	Analyte Units	Analyte Units LOR	Analyte Units LOR	Analyte Units LOR	Analyte Units LOR	Recvd Wt.   Ni   Cu   Co   Pt   ppm	Recvd Wt.   Ni   Cu   Co   Pt   Pd	Recvd Wt.   Ni	Method Analyte Units LOR         WEI-21 No.02         ME-ICP81 No.02         ME-ICP81 No.02         ME-ICP81 No.02         PGM-ICP23 PGM-ICP23 PGM-ICP23 No.02         PGM-ICP23 No.02	Method Analyte Units LOR         WEI-21 No.002         ME-ICP81 No.005         ME-ICP81 No.002         PGM-ICP23 No.005         PGM-ICP23 No.002         PGM-ICP23 No.0	Method Analyte Units LOR         WEI-21 NG         ME-ICP81 NG         ME-ICP81 NG         PGM-ICP23 NG         PGM-ICP23 NG         PGM-ICP23 NG         PGM-ICP23 NG         Ag-AA62 NG         ME-ICP81 NG         PGM-ICP27 NG           Units LOR         kg         %         %         %         ppm         ppm         ppm         ppm         ppm         ppm         ppm         ppm         %         ppm         ppm         ppm         ppm         ppm         %         ppm         ppm         ppm         ppm         ppm         %         ppm         <	Method Analyte Units   Method Method   Meth	Recvd Wt.   Ni	Method Analyte   WEI-21   ME-ICP81   ME-ICP81   ME-ICP81   PGM-ICP23   PGM-ICP23   PGM-ICP23   PGM-ICP23   PGM-ICP23   PGM-ICP24   PGM-ICP27   PGM-I	Method Analyte   ME-121   ME-1CP81   ME-1CP81   ME-1CP81   PGM-1CP23   PGM-1CP23   PGM-1CP23   PGM-1CP23   PGM-1CP23   PGM-1CP24   PGM-1CP27   PGM-1



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To: CANADIAN ARROW MINES LTD. BRADY SQUARE 233 BRADY STREET, UNIT #8 SUDBURY ON P3B 4H5

Page: 1 Finalized Date: 28-AUG-2008 Account: CNARMN

#### **CERTIFICATE TB08109312**

Project:

P.O. No.:

This report is for 98 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2008.

The following have access to data associated with this certificate:

TODD KEAST

**DEAN MACEACHERN** 

ACCOUNTS PAYABLE

	SAMPLE PREPARATION									
ALS CODE	ALS CODE DESCRIPTION									
WEI-21	Received Sample Weight									
LOG-22	Sample login - Rcd w/o BarCode									
CRU-31	Fine crushing - 70% <2mm									
CRU-QC	Crushing QC Test									
PUL-QC	Pulverizing QC Test									
SPL-21	Split sample - riffle splitter									
PUL-31	Pulverize split to 85% <75 um									

	ANALYTICAL PROCEDUR	RES
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA62	Ore grade Ag - four acid /AAS	AAS
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: CANADIAN ARROW MINES LTD.
ATTN: TODD KEAST
BRADY SQUARE
233 BRADY STREET, UNIT #8
SUDBURY ON P3B 4H5

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A Total # Pages: 4 (A) Finalized Date: 28-AUG-2008

CERTIFICATE OF	ANAI YSIS	TB08109312
		1000100012

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		WEI-21	ME-ICP81	ME-ICP81	ME-ICP81	PGM-ICP23	PGM-ICP23	PGM-ICP23	Ag-AA62	ME-ICP81	
	Method Analyte	Recvd Wt.	Ni	Cu	Co	Pt	Pd	Au	Ag	S	
	Units	kg	%	%	%	ppm	ppm	ppm	ppm	%	
Sample Description	LOR	0.02	0.005	0.005	0.002	0.005	0.001	0.001	1	0.01	
397101		2.95	<0.005	0.044	0.035	<0.005	<0.001	0.163	1	12.75	
397102		2.45	< 0.005	0.016	0.005	< 0.005	< 0.001	0.005	<1	0.48	
397103		3.20	< 0.005	0.023	0.005	< 0.005	0.002	0.005	<1	1.66	
397104		2.13	< 0.005	0.012	0.005	< 0.005	< 0.001	0.001	<1	1.94	
397105		2.25	< 0.005	0.015	0.004	0.005	0.001	0.003	<1	0.79	
397106		2.18	<0.005	0.010	0.004	<0.005	<0.001	0.001	<1	0.69	
397264		0.52	< 0.005	< 0.005	0.009	0.007	< 0.001	0.006	<1	7.15	
397265		0.65	< 0.005	0.018	0.003	0.007	0.001	0.121	<1	1.61	
397266		1.83	< 0.005	0.016	0.005	0.005	< 0.001	0.002	<1	6.10	
397267		1.47	<0.005	0.013	0.002	<0.005	<0.001	0.002	<1	3.54	
397268		0.74	<0.005	0.020	0.004	0.011	0.007	0.042	<1	1.71	
397269		0.56	< 0.005	0.017	0.004	0.006	0.003	0.009	<1	2.16	
397270		0.90	< 0.005	0.017	0.002	< 0.005	< 0.001	0.004	<1	2.32	
397271		1.29	< 0.005	0.005	< 0.002	< 0.005	< 0.001	0.002	<1	1.25	
397272		0.56	<0.005	0.009	0.006	< 0.005	<0.001	0.004	<1	0.30	
397273		0.47	<0.005	0.020	0.005	0.015	0.004	0.005	<1	0.38	
397274		1.00	0.008	< 0.005	0.002	0.007	0.001	0.003	<1	0.61	
397275		0.31	< 0.005	0.006	0.002	0.007	0.002	0.003	<1	0.57	
397276		0.78	< 0.005	0.009	0.002	0.007	0.001	0.006	<1	1.61	
397277		1.04	< 0.005	0.008	0.002	< 0.005	0.001	0.003	<1	2.31	
397278		0.69	<0.005	0.011	0.005	<0.005	<0.001	0.002	<1	0.24	
397279		0.62	0.006	< 0.005	0.003	0.005	<0.001	0.001	<1	0.15	
397280		0.43	0.016	0.026	0.005	0.007	0.001	0.001	<1	0.16	
397281		0.56	0.008	0.019	0.006	<0.005	0.003	0.002	<1	2.13	
397282		1.05	0.211	0.196	0.015	0.028	0.026	0.019	1	1.43	
397283		1.54	0.100	0.106	0.010	0.027	0.022	0.016	1	0.76	
397284		0.97	0.088	0.116	0.009	0.023	0.019	0.037	1	0.57	
397285		0.37	0.046	0.033	0.012	0.005	0.003	0.005	<1	0.89	
397286		1.22	0.102	0.061	0.006	0.236	0.340	0.078	1	0.30	
397287		1.22	0.113	0.113	0.008	0.098	0.200	0.084	1	0.60	
397288		0.91	0.128	0.215	0.008	0.178	0.324	0.126	1	0.90	
397289		1.24	0.005	0.009	0.002	<0.005	0.003	0.003	<1	1.45	
397290		0.59	0.019	0.022	0.005	<0.005	0.008	0.019	<1	18.25	
397291		1.80	0.016	0.015	0.003	0.005	0.002	0.002	<1	2.16	
397292		0.69	0.007	0.028	<0.002	<0.005	<0.001	0.019	<1	0.97	 
397293		0.93	0.005	0.025	0.003	<0.005	<0.001	0.002	<1	0.80	
397294		0.69	0.006	0.021	0.003	0.015	0.014	0.009	<1	0.61	
397295		1.01	0.118	0.203	0.013	0.015	0.032	0.002	1	2.01	
397296		1.21	0.072	0.046	0.007	0.009	0.007	0.005	<1	0.12	
397297		0.44	0.014	0.007	<0.002	<0.005	0.003	0.005	<1	0.24	



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CERTIFICATE OF ANALYSIS	TB08109312
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										<u> </u>	ICATE OF ANALISIS	1000109312
		WEI-21	ME-ICP81	ME-ICP81	ME-ICP81	PGM-ICP23	PGM-ICP23	PGM-ICP23	Ag-AA62	ME-ICP81		
	Method Analyte	Recvd Wt.	Ni Ni	Cu	Co	Pt	Pd	Au	Ag	S		
	Units	kg	%	%	%	ppm	ppm	ppm	ppm	%		
Sample Description	LOR	0.02	0.005	0.005	0.002	0.005	0.001	0.001	1	0.01		
397299		0.75	0.009	<0.005	0.005	<0.005	0.001	<0.001	<1	0.10		
397300		0.99	0.044	0.044	0.009	0.005	0.016	0.003	<1	0.26		
397301		0.83	0.100	0.218	0.012	0.066	0.078	0.041	<1	1.11		
397302		1.15	0.022	0.006	0.003	< 0.005	0.002	0.009	<1	1.34		
397303		0.72	<0.005	1.325	0.006	0.013	0.009	0.027	4	2.15		
397304		1.02	0.012	0.040	0.012	<0.005	0.006	0.014	<1	16.00		
397305		0.88	0.007	0.017	0.004	< 0.005	< 0.001	0.003	<1	2.68		
397306		1.01	0.005	0.011	0.005	<0.005	< 0.001	0.001	<1	0.14		
397307		0.88	0.006	0.005	< 0.002	<0.005	0.001	< 0.001	<1	0.07		
397308		0.70	0.009	0.060	0.006	0.005	0.002	<0.001	<1	1.72		
397309		0.91	<0.005	0.005	0.002	<0.005	<0.001	0.008	<1	4.75		
397310		0.63	0.007	0.011	0.005	< 0.005	< 0.001	<0.001	<1	0.26		
397311		1.64	0.067	0.853	0.007	0.102	0.062	0.146	2	2.69		
397351		2.28	0.008	0.019	0.005	<0.005	<0.001	0.001	<1	0.82		
397352		2.18	0.007	0.011	0.005	<0.005	<0.001	<0.001	<1	0.07		
397353		1.68	0.007	0.015	0.005	<0.005	<0.001	<0.001	<1	0.71		
397354		2.23	< 0.005	0.038	0.004	<0.005	< 0.001	0.003	<1	2.47		
397355		1.65	< 0.005	< 0.005	< 0.002	< 0.005	0.001	<0.001	<1	1.82		
397356		1.99	0.010	0.040	0.009	<0.005	0.001	0.004	1	8.61		
397357		3.24	0.019	0.245	0.158	0.007	0.007	0.025	2	21.0		
397358		1.65	0.059	0.763	0.008	0.084	0.047	0.092	3	2.05		
397359		1.69	0.048	0.173	0.008	0.021	0.015	0.017	1	0.99		
397507		2.70	0.048	0.020	0.005	0.012	0.006	0.005	<1	0.14		
397508		1.80	0.042	0.010	0.007	0.009	0.003	0.001	<1	0.08		
397528		1.55	0.008	0.017	0.006	<0.005	<0.001	0.001	<1	0.18		
397529		2.10	0.012	0.012	0.003	< 0.005	< 0.001	0.002	1	1.06		
397530		1.17	0.010	0.085	0.008	<0.005	< 0.001	0.013	<1	2.12		
397531		1.85	0.019	0.019	0.005	<0.005	0.001	<0.001	<1	0.95		
397532		1.16	0.050	0.007	0.007	<0.005	0.002	<0.001	<1	0.11		
397533		1.58	0.013	0.007	0.002	<0.005	<0.001	0.003	<1	0.40		
397534		2.06	0.860	0.610	0.033	0.120	0.351	0.043	3	11.25		
397535		0.99	0.088	0.193	0.007	0.049	0.088	0.064	2	0.78		
397536		1.39	0.277	0.363	0.017	0.053	0.123	0.040	3	2.45		
397537		2.13	0.128	0.115	0.011	0.020	0.048	0.017	1	1.06		
397538		1.68	0.082	0.049	0.007	0.017	0.032	0.009	1	0.75		
397539		1.21	0.010	0.012	0.003	<0.005	0.001	0.003	1	1.24		
397540		0.94	0.008	0.008	0.002	<0.005	0.001	0.001	<1	0.48		
397636		1.13	0.010	0.005	0.003	<0.005	<0.001	0.001	<1	0.23		
397637		2.78	0.006	0.014	0.006	<0.005	<0.001	0.001	1	0.47		
397638		3.27	0.006	0.017	0.005	<0.005	<0.001	0.001	<1	0.62		



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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: CANADIAN ARROW MINES LTD. BRADY SQUARE 233 BRADY STREET, UNIT #8 SUDBURY ON P3B 4H5 Page: 4 - A Total # Pages: 4 (A) Finalized Date: 28-AUG-2008

CERTIFICATE OF ANALYSIS	TB08109312
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										CLKIII	ICATE OF ANALYSIS	1808109312
	Method	WEI-21	ME-ICP81	ME-ICP81	ME-ICP81	PGM-ICP23	PGM-ICP23	PGM-ICP23	Ag-AA62	ME-ICP81		
	Analyte	Recvd Wt.	Ni	Cu	Co	Pt	Pd	Au	Ag	S		
Sample Description	Units LOR	kg 0.02	% 0.005	% 0.005	% 0.002	ppm 0.005	ppm 0.001	ppm 0.001	ppm 1	% 0.01		
	2011	0.02	0.003	0.003	0.002	0.005	0.001	0.001	Į.			
397647		2.16	0.007	0.005	0.003	< 0.005	< 0.001	<0.001	<1	0.03		
397652		1.62	0.063	0.032	0.005	0.057	0.041	0.057	<1	0.23		
397653		2.86	0.058	0.012	0.006	0.011	0.006	0.004	<1	0.07		
397654		2.12	0.116	0.069	0.008	0.034	0.026	0.017	<1	0.44		
397655		2.52	0.016	0.015	0.004	<0.005	0.002	0.003	<1	0.09		
397656		3.39	0.011	0.028	0.004	<0.005	0.002	0.016	1	9.64		
397657		2.07	0.012	0.010	0.002	<0.005	<0.001	<0.001	<1	0.38		
397658		1.62	0.011	0.019	0.003	< 0.005	0.001	0.001	<1	0.46		
397659 397732		3.78 2.92	0.008	0.035	0.008	< 0.005	0.004	0.047 0.003	1	13.10 0.34		
			0.006	0.017	0.005	<0.005	<0.001		1			
397733		2.14	0.018	0.043	0.008	<0.005	0.002	0.076	2	8.25		
397734		2.26	< 0.005	0.014	0.005	< 0.005	< 0.001	0.001	<1	0.32		
397735 397736		2.18 2.98	0.015	0.013	0.005	< 0.005	0.001 <0.001	0.002 <0.001	<1	0.70 1.94		
397737		2.96 1.43	0.012 0.009	0.021 0.031	0.005 0.006	<0.005 <0.005	<0.001	0.003	<1 <1	1.94		
397738		1.67	0.006	0.048	0.006	< 0.005	<0.001	0.006	<1	1.55		
397739		2.56	0.008	0.036	0.006	< 0.005	<0.001	0.009	1	2.11		
397740		1.86	0.013	0.022	0.005	<0.005	0.001	0.002	1	0.85		



## ALS Chemex EXCELLENCE IN ANALYTICAL CHEMISTRY

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To: CANADIAN ARROW MINES LTD. BRADY SQUARE 233 BRADY STREET, UNIT #8 SUDBURY ON P3B 4H5

Page: 1 Finalized Date: 27-AUG-2008 Account: CNARMN

#### **CERTIFICATE TB08111075**

Project:

P.O. No.:

This report is for 65 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2008.

The following have access to data associated with this certificate:

TODD KEAST

**DEAN MACEACHERN** 

ACCOUNTS PAYABLE

	SAMPLE PREPARATION									
ALS CODE	ALS CODE DESCRIPTION									
WEI-21	Received Sample Weight									
LOG-22	Sample login - Rcd w/o BarCode									
CRU-31	Fine crushing - 70% <2mm									
CRU-QC	Crushing QC Test									
PUL-QC	Pulverizing QC Test									
SPL-21	Split sample - riffle splitter									
PUL-31	Pulverize split to 85% <75 um									

	ANALYTICAL PROCEDUR	RES
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA62	Ore grade Ag - four acid /AAS	AAS
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: CANADIAN ARROW MINES LTD.
ATTN: TODD KEAST
BRADY SQUARE
233 BRADY STREET, UNIT #8
SUDBURY ON P3B 4H5

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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To: CANADIAN ARROW MINES LTD. **BRADY SQUARE** 233 BRADY STREET, UNIT #8 **SUDBURY ON P3B 4H5** 

Page: 2 - A Total # Pages: 3 (A) Finalized Date: 27-AUG-2008

CERTIFICATE OF	ΔΝΔΙ ΥςΙς	TR08111075
CENTIFICATE OF	ANALISIS	1000111073

										<b>U —</b>	ICATE OF ANALISIS	1000111073
		WEI-21	ME-ICP81	ME-ICP81	ME-ICP81	PGM-ICP23	PGM-ICP23	PGM-ICP23	Ag-AA62	ME-ICP81		
	Method Analyte	Recvd Wt.	Ni	Cu	Co	Pt	Pd	Au	Ag	S		
	Units	kg	%	%	%	ppm	ppm	ppm	ppm	%		
Sample Description	LOR	0.02	0.005	0.005	0.002	0.005	0.001	0.001	1	0.01		
397201		2.28	0.042	0.010	0.005	<0.005	0.001	0.001	<1	0.12		
397202		2.46	0.011	0.035	0.002	<0.005	0.001	0.003	<1	0.83		
397203		2.09	0.007	0.007	< 0.002	<0.005	< 0.001	0.003	<1	1.70		
397251		1.40	0.016	0.024	0.005	0.020	0.003	0.007	<1	2.46		
397252		1.09	0.009	< 0.005	< 0.002	<0.005	< 0.001	0.002	<1	0.79		
397253		2.00	0.019	0.533	0.020	<0.005	<0.001	0.033	1	2.46		
397254		1.61	0.008	0.035	< 0.002	< 0.005	0.001	0.003	<1	1.24		
397255		0.79	0.006	0.040	0.004	< 0.005	< 0.001	0.005	<1	1.12		
397256		2.13	0.590	0.477	0.031	0.205	0.250	0.039	1	6.58		
397257		1.26	0.160	0.175	0.009	0.039	0.068	0.017	<1	1.35		
397258		1.52	0.231	0.161	0.009	0.049	0.078	0.011	<1	2.02		
397509		2.86	0.023	0.049	0.006	0.020	0.018	0.019	<1	0.82		
397510		3.82	0.076	0.121	0.024	< 0.005	0.006	0.048	1	5.26		
397511		1.55	0.031	0.013	0.004	< 0.005	0.001	0.006	1	0.13		
397512		1.98	0.022	0.012	0.006	<0.005	0.002	0.016	<1	0.77		
397513		2.20	0.035	0.057	0.042	<0.005	0.003	0.044	3	8.84		
397514		2.90	0.022	0.037	0.005	<0.005	0.001	0.017	<1	1.06		
397515		2.55	0.015	0.024	0.003	<0.005	0.001	0.005	<1	0.58		
397516		3.36	0.013	0.705	0.008	0.006	< 0.001	0.208	3	1.55		
397517		1.76	0.008	0.014	0.004	<0.005	<0.001	0.003	<1	0.29		
397518		1.74	0.010	0.033	0.004	< 0.005	0.001	0.018	1	0.35		
397519		1.74	0.013	0.470	0.014	0.007	<0.001	0.026	<1	6.49		
397520		2.98	<0.005	0.027	0.003	<0.005	<0.001	0.002	<1	0.75		
397521		1.54	< 0.005	0.047	0.004	<0.005	0.001	0.002	<1	0.80		
397522		0.94	0.018	0.027	<0.002	<0.005	<0.001	0.001	<1	0.24		
397523		1.52	0.006	0.014	0.005	<0.005	<0.001	0.002	<1	0.13		
397524		1.19	0.008	0.025	0.006	<0.005	0.001	0.002	<1	0.12		
397525		3.83	0.020	0.040	0.004	<0.005	<0.001	0.004	<1	1.38		
397526		1.11	0.026	<0.005	<0.002	<0.005	0.001	0.001	<1	0.01		
397527		2.38	0.024	0.009	<0.002	<0.005	0.001	0.003	<1	0.85		
397621		1.80	0.013	0.023	< 0.002	< 0.005	0.001	0.003	<1	0.19		
397622		2.10	< 0.005	0.017	0.004	<0.005	0.001	0.004	<1	0.03		
397623		3.47	0.010	0.025	0.005	<0.005	0.001	0.004	<1	0.18		
397624		2.40	0.005	0.023	0.005	<0.005	0.001	0.006	<1	0.05		
397625		3.10	800.0	0.022	0.006	<0.005	0.001	0.005	<1	0.18		
397626		1.93	0.015	0.020	0.005	0.042	0.031	0.009	<1	0.08		
397627		3.41	0.020	0.008	0.005	<0.005	0.001	0.002	<1	0.04		
397628		2.09	0.071	0.007	0.009	<0.005	0.001	0.002	1	0.05		
397629		2.15	0.038	< 0.005	0.005	<0.005	0.002	0.002	<1	0.01		
397630		2.21	0.018	0.015	0.007	0.006	0.012	0.010	<1	0.84		



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CERTIFICATE	OF ANALYSIS	TB08111075
CENTITION	OI AIMALI DID	

								<u> </u>		CLIVIII	ICATE OF ANALTSIS	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Method	WEI-21 Recvd Wt.	ME-ICP81 Ni	ME-ICP81 Cu	ME-ICP81 Co	PGM-ICP23 Pt	PGM-ICP23 Pd	PGM-ICP23 Au	Ag-AA62	ME-ICP81 S		
	Analyte Units	kg	NI %	%	%	ppm	ppm	ppm	Ag ppm	%		
Sample Description	LOR	0.02	0.005	0.005	0.002	0.005	0.001	0.001	ррііі 1	0.01		
									•			
397631		2.41	0.020	0.065	0.007	<0.005	0.002	0.014	<1	1.79		
397632		1.77	0.012	0.007	0.003	<0.005	0.001	0.005	<1	0.48		
397633		1.78	< 0.005	0.013	0.006	<0.005	0.002	0.007	1	0.39		
397634		2.06	0.064	0.014	0.010	0.011	0.010	0.010	<1	0.02		
397635		2.09	0.006	0.019	0.006	<0.005	<0.001	0.004	<1	0.13		
397639		2.01	<0.005	0.006	0.006	<0.005	0.001	0.002	<1	0.02		
397640		1.71	0.006	0.005	0.003	< 0.005	< 0.001	0.003	<1	0.01		
397641		1.47	0.013	0.006	0.004	< 0.005	0.001	0.001	<1	0.06		
397642		1.49	< 0.005	< 0.005	0.002	< 0.005	< 0.001	0.001	<1	0.01		
397643		2.53	0.008	0.008	0.004	<0.005	0.002	0.003	<1	0.13		
397644		2.47	0.032	0.010	0.004	0.040	0.049	0.001	<1	0.16		
397645		1.92	0.007	0.006	0.004	< 0.005	< 0.001	0.002	<1	0.04		
397646		2.04	0.012	0.022	0.003	< 0.005	0.001	0.003	<1	0.14		
397648		1.42	< 0.005	< 0.005	0.004	< 0.005	0.001	0.002	<1	0.11		
397649		2.22	0.014	0.011	0.004	< 0.005	< 0.001	0.003	<1	0.88		
397650		1.46	0.007	0.008	0.004	0.013	0.003	0.003	<1	3.03		
397651		2.35	0.009	0.011	0.003	< 0.005	< 0.001	0.002	<1	1.13		
397741		2.47	0.014	0.034	0.007	< 0.005	< 0.001	0.006	1	1.72		
397742		3.46	< 0.005	0.011	0.002	< 0.005	< 0.001	0.002	<1	0.91		
397743		3.38	0.008	0.024	0.005	0.015	0.003	0.013	<1	0.15		
397744		2.78	0.010	0.012	0.003	<0.005	0.001	0.004	<1	1.00		
397745		3.35	0.005	0.021	0.002	<0.005	<0.001	0.004	<1	2.32		
397746		2.37	0.008	0.018	0.003	< 0.005	0.001	0.003	<1	1.14		
397747		2.74	0.009	0.025	0.006	< 0.005	0.001	0.004	<1	0.99		
397748		2.73	0.013	0.027	0.004	0.013	0.011	0.003	<1	0.68		