ASSESSMENT REPORT
ON THE
ECHO PROPERTY, ECHO TOWNSHIP
PATRICIA MINING DIVISION, ONTARIO
CLAIMS 1191761, 1191762, 1199268, 3002714, 1162943, 3002721, 3004264, 3004265, 3002715 & 1166865
FOR
ALEXANDER GLATZ AND IVAR JOSEPH RIIVES
BY

ATIKWA MINERALS CORPORATION
347 BAY STREET, SUITE 404
TORONTO, ON M5H 2R7

November 10, 2003
Toronto, Ontario, Canada

Howard J. Coates, M. Sc., P.Geo.
Reference: C-1947

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

APPENDIX

Statement of Expenditures, Trench Sketch Maps and Analytical Certificates

1.0 INTRODUCTION

1.1. Introduction

Two work programs were completed on the Echo Property during the second half of 2003 including; geological investigations, bedrock and drill core sampling in August, and mechanical trenching, geological mapping and sampling in October-November. The results of the two programs are submitted for assessment work credit on the Property as a whole.

1.2. Property and Agreements

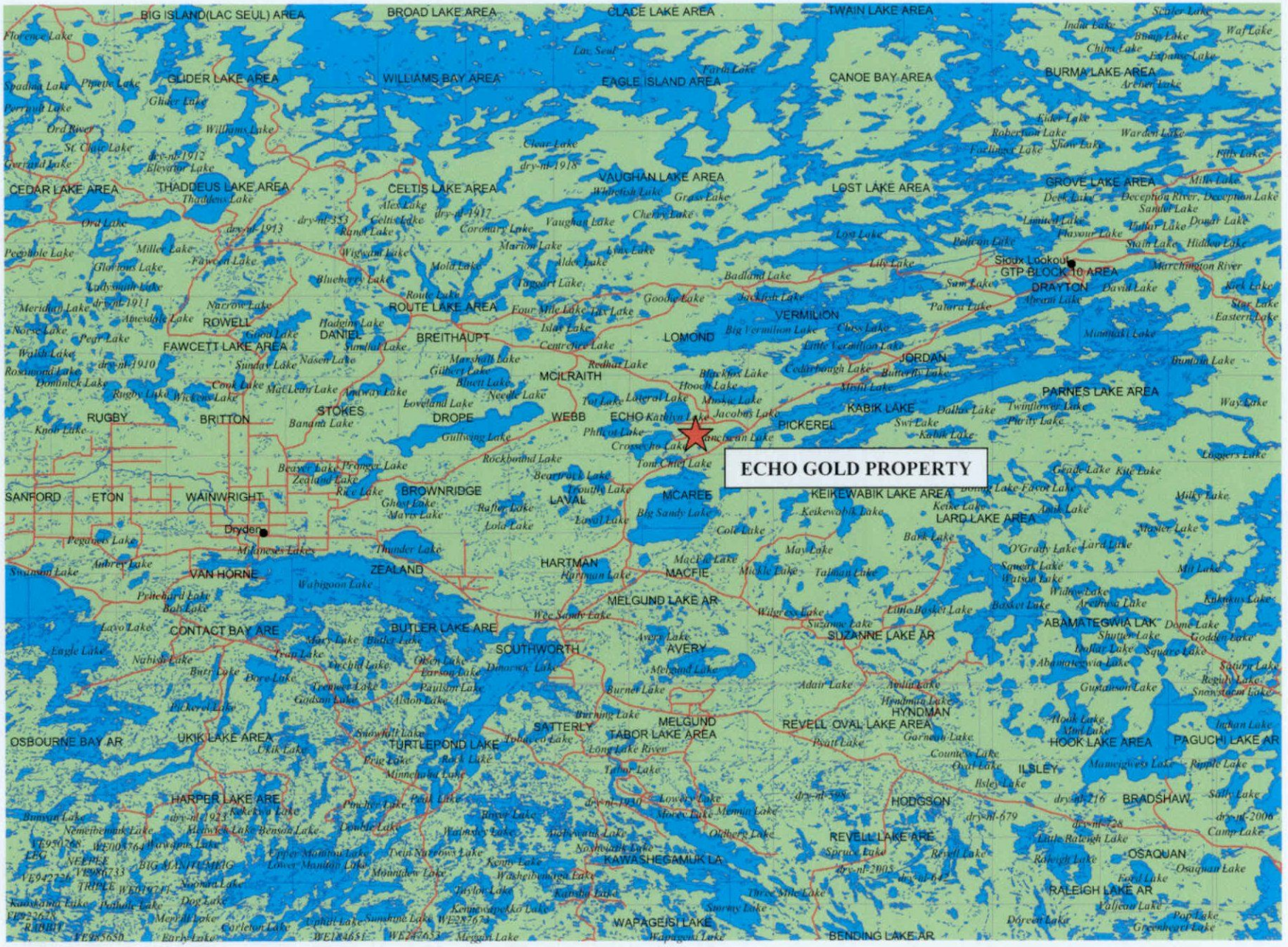
The Echo Property is located in Echo Township, Sioux Lookout Area, Patricia Mining Division, Ontario some 30 kilometres east-northeast of Dryden and 42 kilometres southwest of Sioux Lookout at approximate geographic coordinates: 49^{O} 54' 00" north latitude; 92^{O} 20' 00' west longitude (Figure 1). The area over which the Company has mineral rights include 10 mining claims, comprising 36 units, covering an unsurveyed area of some 576 hectares (Figure 2). A summary of mineral rights is provided in Table 1.

The claims are registered in the names of Alexander Glatz and Ivar Joseph Riives and are 50% owned by each individual. The claims were optioned to Atikwa Minerals Corporation in early 2003.

Table 1: Echo Property, List of Mining Rights

NTS Reference: 52F, Claim Map: G-3368

TOWNSHIP	CLAIM #	UNITS	SIZE (ha.)	DATE RECORDED	DUE DATE
Echo	PA 1191761	4	64	2001-Nov-13	2003-Nov-13
Echo	PA 1191762	1	16	2001-Nov-23	2003-Nov-23
Echo	PA 1199268	4	64	2001-Nov-30	2003-Nov-30
Echo	PA 3002714	2	32	2002-Aug-02	2004-Aug-02
Echo	PA 1162943	2	32	2002-Aug-08	2004-Aug-08
Echo	PA 3002721	1	16	2002-Sep-17	2004-Sep-17
Echo	PA 3004264	1	16	2002-Sep-17	2004-Sep-17
Echo	PA 1166865	6	96	2000-Mar-29	2005-Mar-29
Echo	PA 3004265	6	96	2002-Nov-05	2004-Nov-05
Echo	PA 3002715	9	144	2002-Nov-18	2004-nov-18
	TOTAL	**36 units**	**576 ha.**		



NAD 83
5 degree grid

Figure 1: Location Map

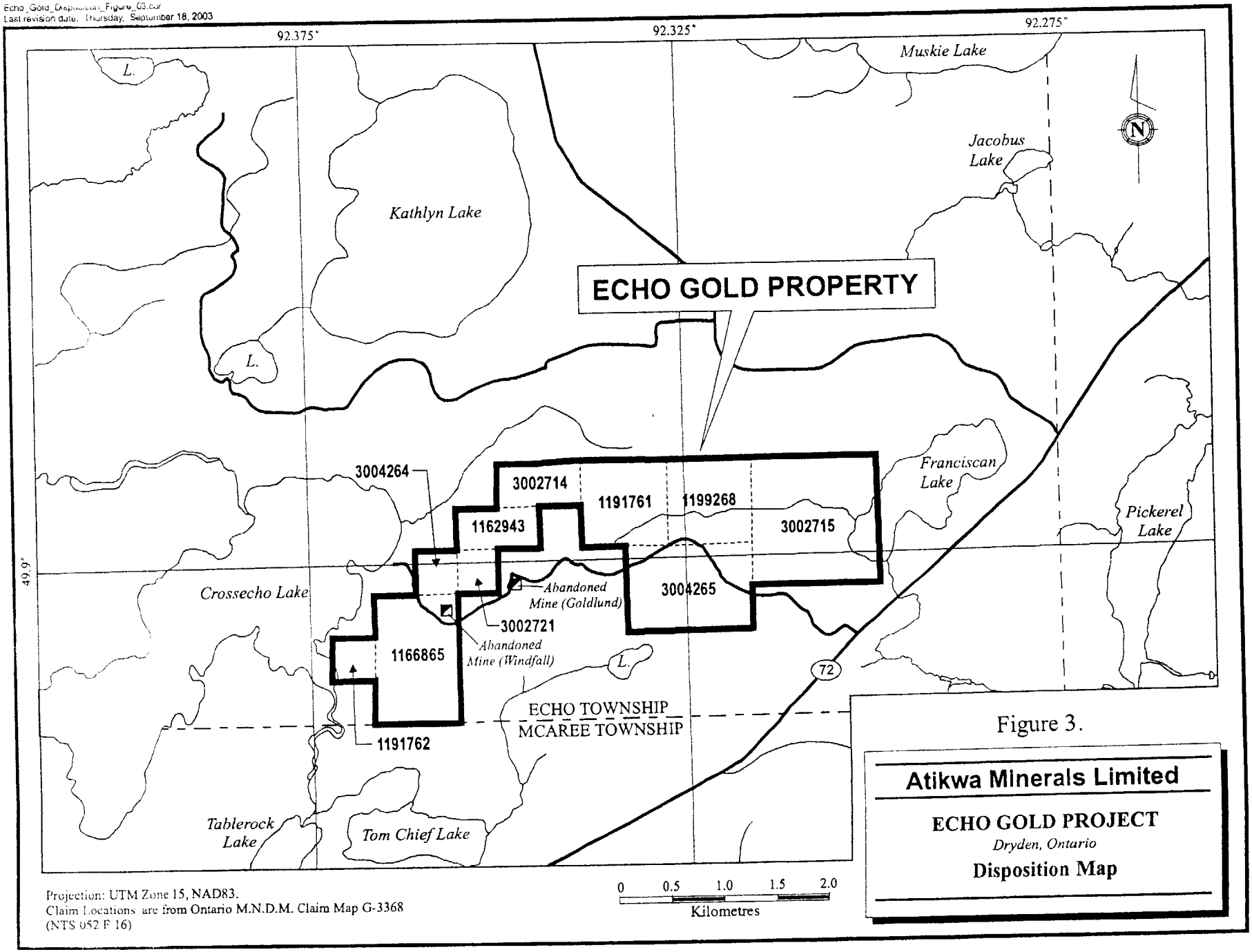


Figure 2: Claims Map

1.3. Accessibility, Local Resources and Infrastructure

Access to the property is excellent. The claims may be reached by automobile from Dryden by proceeding east on the Trans Canada Highway for approximately 28 kilometres to Highway 72 to Sioux Lookout, and then proceeding northeasterly along Highway 72 for approximately 30 kilometres to the Goldlund Mine access road. The mine road is drivable up to the old Goldlund mine site. Three overgrown trials lead away from the mine-site, the one to the south ends up at the old tailings site at Notmuch Lake, the second continues to the west past the decommissioned Windfall Shaft and on to Crossecho Lake, the third trail heads off to the north to the site of the portal and continues on to the Number 2 Zone.

The town of Dryden is on Highway 17, the Trans-Canada Highway, and is the nearest service centre to the Echo Gold Property. There is a population of about 35,000 in and around Dryden and the city is on the main CP railway line. It has an airport and has regular air service to Thunder Bay and Winnipeg. There is a large pulp and paper factory in the city of Dryden that employs about 1,000 people.

The property has no on site permanent facilities other than the access road. An abandoned gold mining and milling facility, the Goldlund Mine, is directly adjacent to the property. Facilities and services such as telephone lines, adequate electrical energy for a mining/ milling operation timber supplies and an adequate fresh water supply are all situated within several kilometres of the Property.

1.4. Physiography and Climate

The Echo Gold Property has low to moderate relief and undulating terrain with elevations to approximately 430 metres above sea level. The main drainage feature in the area is Franciscan Lake that drains into Minnitaki Lake which is part of the major English River drainage system. Most of the property is covered by glacial overburden, although fairly abundant outcrop is found in scattered places. The overburden is predominantly glacial till and glaciofluvial sand , with a few low-lying swampy areas.

Climatic conditions are typical of northwestern Ontario. Mean total precipitation for Sioux Lookout is 716.1 millimetres including 517.2 mm of rainfall and 204.0 cm of snowfall. Mean July daily temperature is 18.6° C while mean January daily temperature is –18.6° C (Source-Meteorological Service of Canada).

2.0 HISTORY

The Sioux Lookout district has been intermittently explored for gold and other mineral deposits since it was made reasonably accessible by the Canadian National Railway ("CNR") in the latter part of the 19th Century. The earliest known mineral production in the area was from the North Pines Mines Limited underground pyrite mine located in Drayton Township some 12 kilometres west of Sioux Lookout. This operation produced approximately 500,000 tonnes of pyrite between 1909 and 1921 (Johnston, 1972).

The only gold significant production in the region came from the Goldlund Deposit located about 42 kilometres southwest of Sioux Lookout in Echo and McAree Townships. Discovered in 1941 the deposit was tested by extensive surface stripping, trenching and diamond drilling by Lunward Gold Mines Limited between 1941 and 1948. Newlund Mines Limited continued this work between 1949 and 1952 by sinking a 825 foot (251 m) vertical shaft with extensive lateral development and underground diamond drilling (Ferguson, *et. al.*, 1971). In July 1982, after a long dormant period, Goldlund Mines Limited began processing stockpiled and underground auriferous material in a 200 ton per day (180 t/day) pilot mill. An open pit commenced production in January 1983. The test mining operation ceased in March 1985 after the company declared bankruptcy. Approximately 100,000 tons (90,000 t) of material averaging about 0.15 oz Au/T (5.14 g Au/t) was processed by Goldlund. The property was acquired by Camreco Inc. in December 1986. Resources described as "drill indicated and probable reserves 442,600 tons (401,400 t) averaging 0.18 oz Au/T (6.17 g Au/t) plus 400,000 tons (363,000 t) averaging 0.16 oz Au/T (5.48 g Au/t) in several areas" are reported (Canadian Mines Handbook, 1988-1989). The NI 43-101 classification of this material is undetermined.

From 1991-92, Noranda Exploration - Hemlo Gold Mines Ltd optioned several properties in the Goldlund Mine area including the claims now comprising the Echo Gold Project. Work carried out consisted of ground geophysics (magnetometer, I. P. Resistivity), trenching, geology mapping and data compilation. Four holes totaling 770 meters were drilled. Assay results are only available from three of the holes and included the following intervals (Mac Isaac and Bellinger 1992): hole 91-2, 2.09 g Au/t over 9.0 m (hole lost in underground workings) and hole 91-3, 1.70 g Au/t over 15.0m.

The current Echo Property was acquired by staking between November 2001 and November 2002.

3.0 GEOLOGY AND MINERAL DEPOSITS

3.1. Regional Geology

The western Superior Province is divided into subprovinces each with distinctive lithological and structural/metamorphic characteristics (Card and Ciesielski, 1986). These are broadly classified as volcano-plutonic (greenstone belts), metasedimentary, and plutonic/high grade gneiss terranes. From north to south the western Superior Province is divided into the Sachigo (greenstone), Berens River (plutonic/gneissic), Uchi (greenstone), English River (metasedimentary), Winnipeg River (plutonic/gneissic), Wabigoon (greenstone) and Quetico (metasedimentary) Subprovinces. The supracrustal rocks of the various subprovinces are of Archean age within a temporal range from approximately 3,000 Ma to 2,700 Ma.

The Sioux Lookout Lake area is located within the western Wabigoon Subprovince, the greenstone belt terrane over 300 kilometres in length that stretches from Savant Lake in the east to beyond Lake of the Woods in the west (Figure 3). The supracrustal rocks in the Sioux Lookout area include mafic and felsic metavolcanic rocks, metasediments and related intrusive rocks that have been intruded by Archean granitoid stocks (Figure 4). The lithological assemblages have been subdivided into five zones from north to south including the Northern Volcanic Belt, the Northern Sedimentary Belt (Abram Group), the Central Volcanic Belt (Neepawa Group), the Southern Sedimentary Belt (Minnitaki Group) and the Southern Volcanic Group (Turner and Walker, 1973). The Drayton Gold Property contains portions of the Neepawa Group, the Minnitaki Group and part of the Northeast Bay Stock which ranges in composition from trondhjemite to quartz diorite.

The Echo Property is located within the Neepawa Group Central Volcanic Belt part of the Wabigoon Greenstone Subprovince. The property is located approximately 4 kilometers south of a regional structural/deformation zone (Little Vermilion Fault), which separates the greenstones of the Wabigoon Subprovince from metasediments of the English River Belt.

3.2. Geology of the Echo Property

Lithologies on the Echo Property consist primarily of mafic volcanic flows and related intrusives that have intruded by a variety of intermediate-felsic dykes and most importantly from an economic prospect several early albite +/- carbonate altered trondhjemite dykes that are semi-concordant with the rocks of supracrustal origin.

The main trondhjemite dyke which host the past producing Goldlund and Windfall Gold Mines has been trace for about 2500 meters along strike. The width varies from about 9 meters to >100 meters. The Number 3 And 2 Zones appear to be located on a second parallel, mineralized trondhjemite dyke.

A large altered quartz-feldspar porphyry intrusive outcrops over the eastern part of the Echo Claim Group. Its age and relationship to the gold bearing trondhjemite dyke is problematic. It appears as a large, distinct magnetic low.

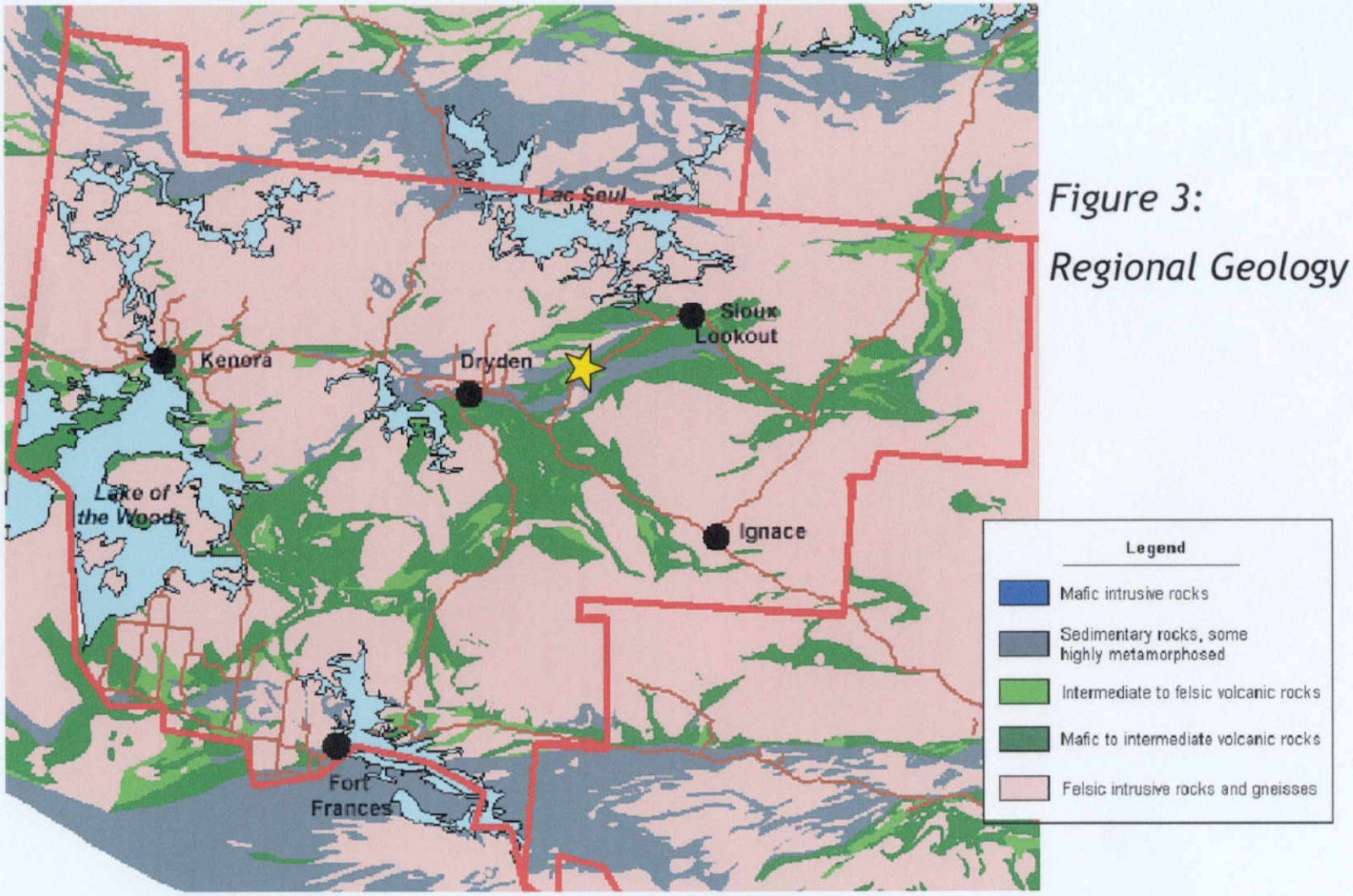


Figure 3:

Regional Geology

Echo Gold Property ATIKWA MINERALS CORP.

3.3. Mineral Potential of the Echo Property

Gold mineralization on the Echo Property is reported to occur within transverse or ladder veins within the altered trondhjemite. Individual veins range from 1-2mm upto 0.5 meters but average 2-5cm. Their length is reported rarely to exceed 12 meters and die out without traces of shearing or fracturing. A characteristic feature of the veins is their arrangement into short clusters of 20-600 feet in length which form the ore/mineralized zones along the trend of the dyke. In sections of highest vein frequency, stockwork like patterns are developed.

The principle gold bearing vein set strikes N10-20E and dips 50-60W. However during the field examination it was evident that there is at least main two veins sets and possibly more.

Sulphide mineralization (pyrite, +/- tellurides, scheelite) can occur within the quartz veins along the margins and within the host trondhjemite.

An important issue of the gold occurrences of the area is the erratic distribution or "nugget effect". Noranda when they sampled the underground workings in 1952 reported that 2.4% of the samples carried 43% of the gold.

Sampling carried out during the field examination shows that appreciable amounts of gold also can occur within the pyritic wall rock in some instances in zones almost devoid of quartz veining.

4.0 2003 EXPLORATION PROGRAMS

4.1. Nature and Extent of Work

The work presented in this report includes a field program conducted between August 21 and 25, 2003 to undertake geological investigations including description and sampling of outcrops and stored drill core. A second work program was undertaken between October 22 and November 4, 2003 consisting of mechanical trenching with related geological mapping and sampling. The sampling and analytical work on the trenches, prematurely curtailed due to the onset of winter conditions, will be reported at a later time. Outcrop sample locations and trench locations are shown on the 1:10,000 scale compilation map in the back pocket of this report. The sampled core from the Echo Property is stored at the Goldlund Mine

The following persons/contractors participated in the exploration work:

- Bruce W. Mackie, Senior Geologist (August field program) 6 days
- John Wakeford, Senior Geologist (Supervision & design, August program) 1 day
- Howard J. Coates, Senior Geologist (October field program) 5 days
- Bruce MacLaughlin, Geological Technician (August field program) 3 days
- Stephen Roach, Field Geologist (October-November field program) 11 days
- Sherridon Johnson, Prospector, Dryden (October field program) 1 day
- Joe Riives, Prospector, Dryden (October field program) 3 days
- Alex Glatz, Prospector, Dryden (October field program) 1 day
- Hoey and McMillan Ltd., Dryden (Trenching, Cat 225 Excavator) 74.5 hrs
- Accurassay Laboratory, Thunder Bay (Analyses, August program)

4.2. August 2003-Geological Investigation, Bedrock and Drill Core Sampling

The property was visited in August 2003 to examine the various gold bearing occurrences and relog some of the old drill core that is still available at the Goldlund Mine Site in an attempt to a) attempt to determine the style of mineralization and distribution of gold within the ore/mineralized zones, b) evaluate a new sulphide showing known as the "Creek Zone", c) see what would be involved with stripping of specific targets (i.e. the Number 2 Zone, and 4) assert if there are any obvious environmental liabilities.

Fifty-three rock/drill core samples were taken during the program. Two of the above samples taken from the altered quartz-feldspar porphyry were also sent for whole rock analyses. The sites visited during the program are described below:

Creek Showing

The Creek Showing is located in the central part of claim 1199268 where a bush road crosses a small creek. Sheared quartz-feldspar porphyry is exposed along the creek bed over a couple of meters width. Alteration consists of quartz-sericite +/- carbonate, quartz-eyes. Pyrite occurs as disseminations (trace-2%) and in 1-2mm stringers that contain a dark grey semi metallic mineral (tellurides or scheelite?). Similar looking float can be seen in the nearby road fill. An outcrop of sheared qfp is located approximately 10 meters north of the creek. This suggests that the shear zone is at least 10-15 meters wide.

Float containing pyritic quartz vein was also observed in the road bed but are believed to have come from the old mine site.

Samples 256A-C.

Number 2 Zone
The Number 2 Zone is located in the southwest quadrant of claim 1191761. Access is via overgrown trail from the site of the portal.
The zone appears to be located on a sub-parallel mineralized trend to the main gold occurrences at Goldlund and Windfall and has been traced by trenching and drilling for ~1500 feet along strike. This second zone may or may not be contiguous with the Number 3 Zone to the southwest. The Number 2 Zone is moderately exposed in a stripped area for about 400 feet along strike. The area is starting to become overgrown, but could easily be cleaned and opened up. A nearby water source for stripping could be a issue. Geologically the Number 2 Zone consists of a central altered (albite) trondhjemite dyke (10-12 meters in width) with at least two smaller parallel dykes that have intruded into mafic volcanic flows. Mineralization observed consists of: a) minor ladder veins averaging in width from 10-30 cm (1-10 every 10 meters), b) discontinuous pyritic zones within the trondhjemite, and c) quartz-carbonate veins with 5-10% pyrite and locally abundant tourmaline.

Samples 256 K-P

Small Gossan
A small gossan zone was examined at UTM 5527601N, 547675E. Host rocks are silicified mafic volcanics. There is some quartz veins but the one sample taken only contains sulphides.

Sample 257O

Drill Core Logging and Sampling
Several drill holes located at the Goldlund Shaft area were logged and in some cases sampled. Only the mineralized portions of the holes were examined.

> **Hole 89-15:** Within the core racks there was a series of 89 holes that were heavily mineralized with quartz veins and pyrite. They were all very short and were collared and ended in altered trondhjemite. While the locations of these holes is not known there visually appear similar to the East Pits. No drill logs were available but an assay summary table indicates an average grade of 0.143opt (cut) from 33 holes. Of note was it that it appears that only one intercept needed to be cut (98-32) suggesting a more uniform grade distribution within this mineralized zone(s).
>
> Hole 89-15 from 8.47-26.49 meters assayed 0.091opt. It was re-sampled at two-meter intervals in order to try and determine the distribution of gold mineralization. It consisted of 20%-60% altered (albite) trondhjemite (remaining percent was unaltered or weakly altered trondhjemite) containing 5-20% total quartz and trace to 5% total pyrite.
> This hole and the entire 89 series were well altered and mineralized.

Samples 258 B-I

Windfall Shaft Number 2 and 3 Areas: In 1987-88 Camreco drilled several deep holes to test the down dip extension of the Numbers 2 and 3 Zones near the Windfall Shaft. Assay results quoted included Hole 87-8 52.3 feet @0.121opt (uncut), 0.093opt (cut): hole 88-29 44.0 feet @0.224opt (uncut), 0.105 (cut) and 87-9 32.4 feet @ 0.100opt.

A brief description for each of the holes examined is given below:

88-6 549.1-575.3 0.037opt trondhjemite 30% altered (albite) 10% total quartz veins varying 10-70 degrees to CA, minor pyrite.
Samples 392 A-K

88-7 Mineralized section 690.3 to 699.3
Samples 394 A-F.

87-7 1166.0-1190.9 0.13opt trondhjemite, mineralized section pulled, on either side intrusive very bland.

87-7 938.7-1036.8 0.053opt includes 982.0-991.0 0.113opt and 938.7-941.4 1.42opt altered trondhjemite, comprises 70% remainder unaltered, 25% total quartz, locally good pyrite, veins variable 10-70 degrees to CA

87-9 862.3-888.4 0.133opt and 971.5-1003.9 0.10opt from 970-1003 core pulled, from 840-970 strong alteration 70% 30% total quartz again variable CA, good but erratic pyrite upto 5-10% in veins and wall rock, this hole well altered and mineralized but cannot tell what sections run.
Samples 393 A-L

88-29 had drill log took two samples albitic trondhjemite, 10% quartz veins, 1-2% pyrite blebs
Samples 257M from 986-988 (original assay,15.65gpt)
257N from 977-980 (original assay, 0.40gpt)

The analytical results of the sampling program are presented in the following table (Table 2). Copies of analytical certificates are appended to this report.

Table 2: Gold Assays August 2003 Samples

Sample #	Type	Easting (m)	Northing (m)	Drill Hole #	From (m)	To (m)	Au (ppb)
256A	Grab	548580	5528145	-	-	-	110
256B	Grab	548585	5528148	-	-	-	73
256C	Grab	548586	5528156	-	-	-	604

Sample #	Type	Easting (m)	Northing (m)	Drill Hole #	From (m)	To (m)	Au (ppb)
256K	Grab	547636	5528133	-	-	-	9856
256L	Grab	547636	5528134	-	-	-	3068
256M	Grab	547634	5528138	-	-	-	5473
256N	Grab	547688	5528160	-	-	-	5874
256O	Grab	547702	5528179	-	-	-	6072
256P	Grab	547707	5528179	-	-	-	11339
257M	Core	-	-	88-29			9521
257N	Core	-	-	88-29			398
257O	Grab	547675	5527601	-	-	-	68
258B	Core	-	-	89-15	10.47	12.47	1580
258C	Core	-	-	89-15	12.47	14.47	2528
258D	Core	-	-	89-15	14.47	16.47	1903
258E	Core	-	-	89-15	16.47	18.47	3192
258F	Core	-	-	89-15	18.47	20.47	4470
258G	Core	-	-	89-15	20.47	22.47	1380
258H	Core	-	-	89-15	22.47	24.47	3677
258I	Core	-	-	89-15	24.47	26.49	6183
259A	Grab	549872	5526754	-	-	-	19
259B	Grab	549873	5526756	-	-	-	<5
259C	Grab	548035	5527710	-	-	-	<5
259D	Grab	548344	5527872	-	-	-	11
392A	Core	-	-	88-6	549.1	552	8183
392B	Core	-	-	88-6	552	554	903
392C	Core	-	-	88-6	554	555.7	301
392D	Core	-	-	88-6	555.7	559.4	190
392E	Core	-	-	88-6	559.4	562.4	2920
392F	Core	-	-	88-6	562.4	564.4	3940
392G	Core	-	-	88-6	564.4	567.5	31
392H	Core	-	-	88-6	567.5	570	15
392I	Core	-	-	88-6	570	571.6	1126
392J	Core	-	-	88-6	571.6	572.8	1513
392J	Duplicate	-	-	88-6	-	-	1563
392K	Core	-	-	88-6	572.8	574.3	52
393A	Core	-	-	87-9	856.5	859.5	1793
393B	Core	-	-	87-9	859.5	862.3	150
393C	Core	-	-	87-9	862.3	865.2	2394
393D	Core	-	-	87-9	865.2	868.2	7293
393E	Core	-	-	87-9	868.2	870.2	13586
393F	Core	-	-	87-9	870.2	872.8	730
393G	Core	-	-	87-9	872.8	875.4	1820
393H	Core	-	-	87-9	875.4	878.1	1508
393H	Duplicate	-	-	87-9	-	-	1956
393I	Core	-	-	87-9	878.1	881.1	1348

Sample #	Type	Easting (m)	Northing (m)	Drill Hole #	From (m)	To (m)	Au (ppb)
393J	Core	-	-	87-9	881.1	883.1	2564
393K	Core	-	-	87-9	883.1	885.8	3542
393L	Core	-	-	87-9	885.8	888.4	1926
394A	Core	-	-	88-7	690.3	692	7798
394B	Core	-	-	88-7	692	693.4	1050
394C	Core	-	-	88-7	693.4	695	10203
394D	Core	-	-	88-7	695	696.5	28
394E	Core	-	-	88-7	696.5	698	13499
394E	Duplicate	-	-	88-7	-	-	13231
394F	Core	-	-	88-7	698	699.3	2515

4.3. October-November, 2003-Trenching Program

Six trenches were completed in October-November, 2003. The trenches were dug with a Cat 225 tracked excavator. Bedrock exposures were washed with a Wajax portable fire pump. Some additional clearing by hand was required to complete the trenches. Sketch maps for all trenches were prepared to evaluate sampling requirements (see Map 1 and Appendix). Due to snow cover only one of the trenches (Number 6 Zone) was mapped and sampled in detail.

The trenches exposed a variety of lithologic units including mafic to intermediate volcanic rocks of the Neepawa group that are locally cut by felsic intrusives including feldspar and quartz-feldspar porphyry and trondhjemite. Dissemminated and blotchy pyritic sulphides and quartz +/- tourmaline +/- sulphide veins and veinlets commonly occur in the various lithologic units.

In the western part of the property near the old Echo Shaft only the western extension of the Main Zone was uncovered while the principal target, the Number 2 Area, could not be reached due to deep overburden conditions. A northwesterly trending area some 37 metres in length and 5 to 15 metres wide was exposed in this area. An outline map of the trench has been made but geological mapping was not completed due to snow cover. Eight channel samples were taken but results are not yet available.

In the eastern part of the property five additional areas have been trenched or test pitted including; the Number 2 Zone, the Number 2 East Extension, the Number 6 Zone, the Number 6 East Extension and the Creek Zone. Outline mapping has been completed on all of these zones and detailed mapping was done on the Number 6 Zone trench before the snow came.

Trench dimensions and depths are presented in the following table (Table 3):

Table 3: Mechanical Trenching Dimensions

TRENCH	TARGET	DIMENSIONS & DEPTH
Echo Shaft A	Number 2 Area and Main Zone west extension	37m x 5-15m, 1 to 5+m

Number 2 Zone A	Number 2 Zone	18m x 2m, 1 to 3m
Number 2 Zone East Extension A	Number 2 Zone	3m x 3m, 2m
Number 6 Zone A	Number 6 Zone	50m x 3-10m, 1 to 3m
Number 6 Zone East Extension A	Number 6 Zone	8m x 2m, 3 to 5+m
Creek Zone A	Creek Showing	6m x 3m, 1 to 2m
TOTAL		**~1,800m^3**

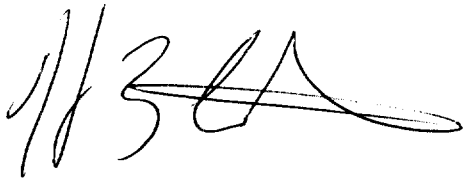
5.0 RECOMMENDATIONS

Based on the presence of mineralization including disseminated sulphides and quartz veining a recommendation is made to complete the work program that was terminated due to winter conditions. A continuation of trenching program to include systematic geological mapping and channel sampling of the new exposures is proposed. Estimated cost of the program is as follows (Table 4):

Table 4: Trenching Program Budget Estimate

ITEM	UNITS	UNIT COST	TOTAL
Mapping	3 man days	$400	$1200
Sampling	6 man days	$150	$900
Assays	75 samples	$25	$2000
Expenses			$1000
Report	1 day	$400	$400
TOTAL			**$5,500**

Respectfully Submitted,



Howard J. Coates, M.Sc., P. Geo.
Exploration Manager, Atikwa Minerals Corporation
November 10, 2003

CERTIFICATE OF QUALIFICATION

I, H. J. Coates, of Mississauga, Ontario do hereby certify that:

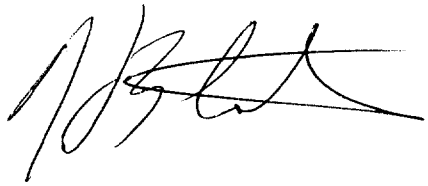
1. I am a consulting geologist with an office at 615–133 Richmond Street West, Toronto, Ontario, Canada.

2. I am presently contracted as Exploration Manager of Atikwa Minerals Corporation.

3. I am a graduate of Memorial University of Newfoundland in St. John's, Newfoundland and hold a degree of Master of Science in Geology.

4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of Newfoundland, as a Professional Geoscientist, Membership No. 03766.

5. I have practiced my profession continuously for a period of 33 years including substantial work on gold projects in the Superior Province, other parts of Canada and several overseas countries.



Toronto, Ontario
November 10, 2003

Howard J. Coates, M.Sc., P. Geo.

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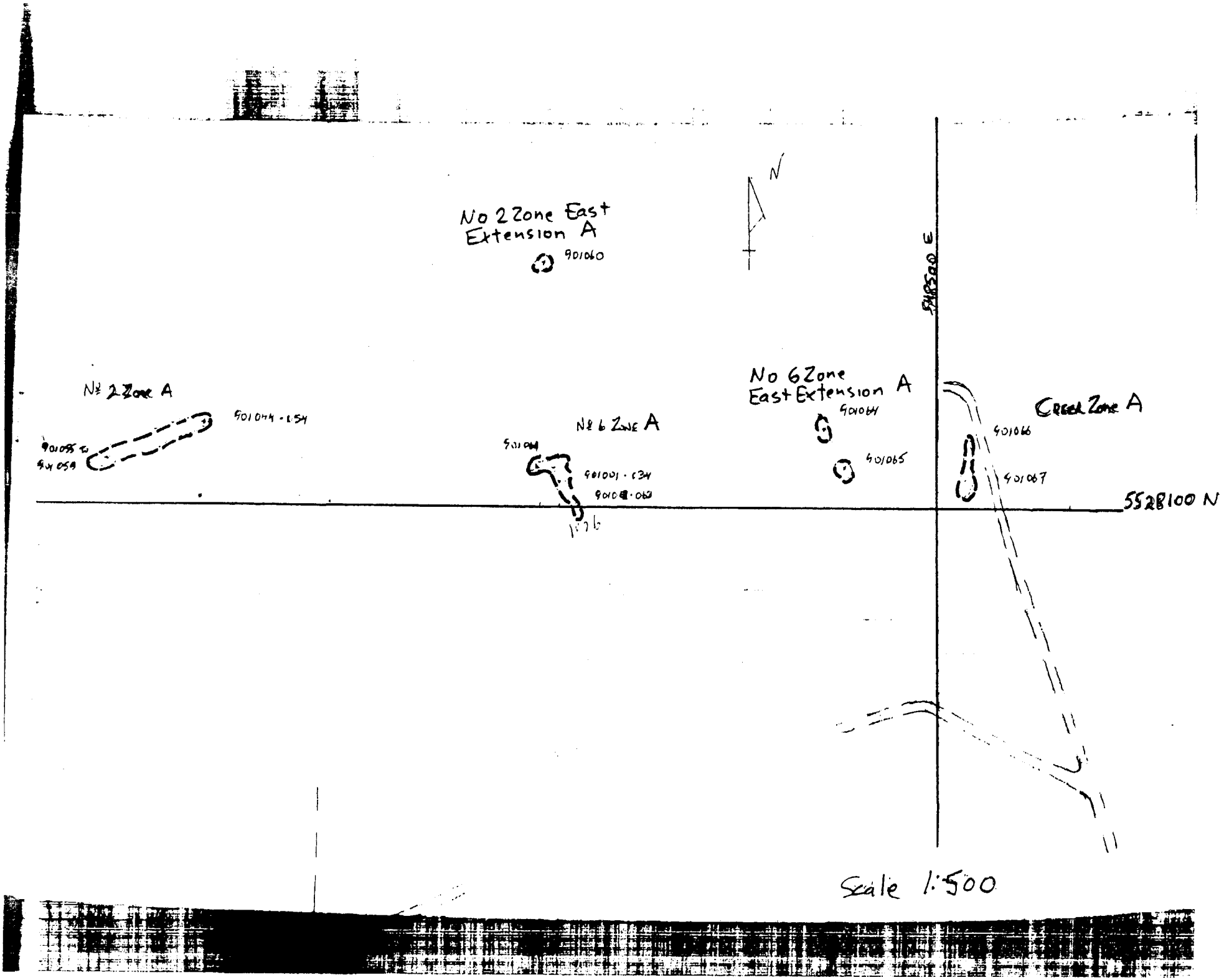
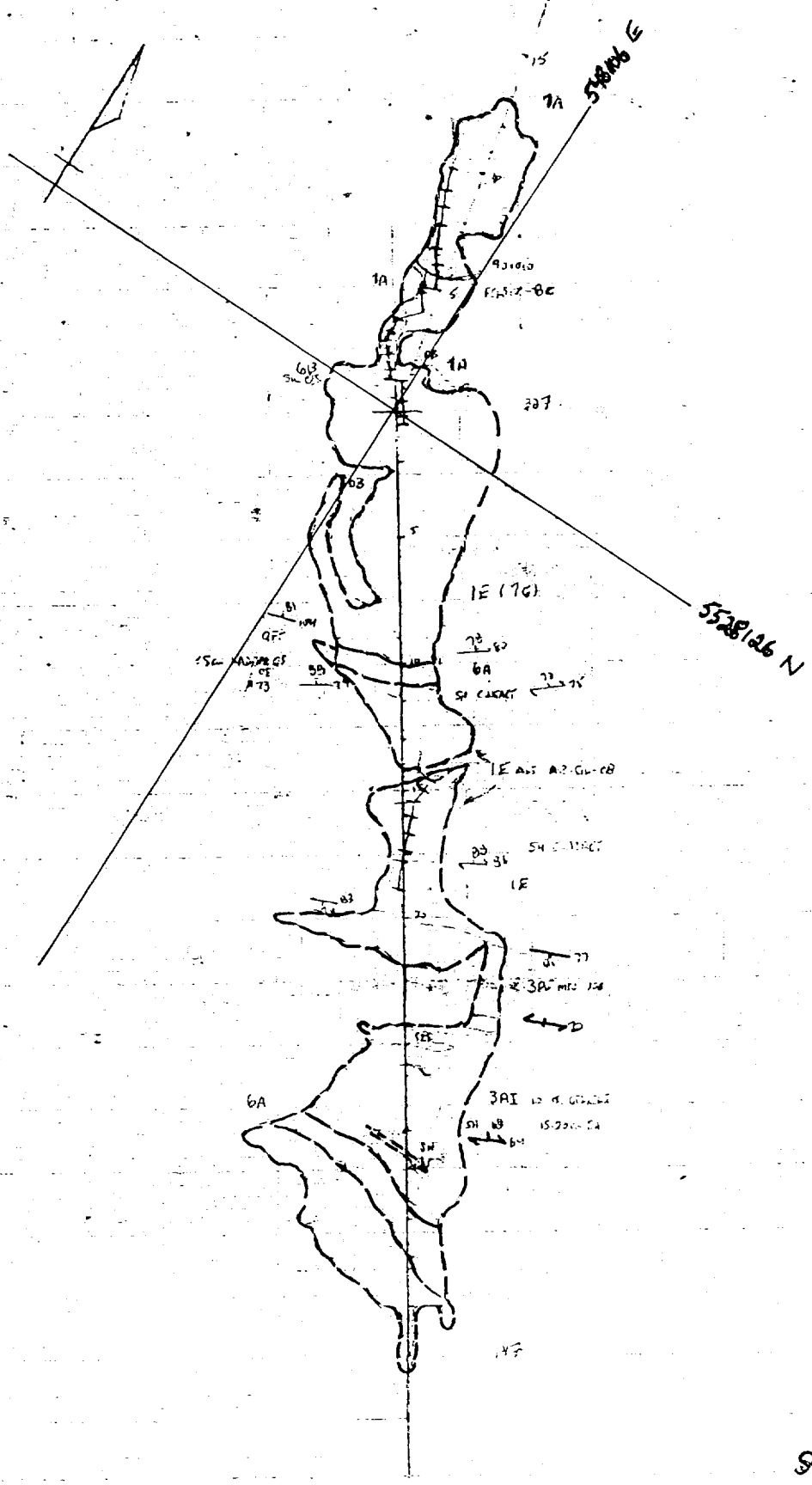
APPENDIX

Statement of Expenditures
Trench Sketch Maps
Analytical Certificates

Statement of Expenses
ECHO PROJECT - AUGUST 2003 & OCTOBER-NOVEMBER, 2003 WORK PROGRAMS

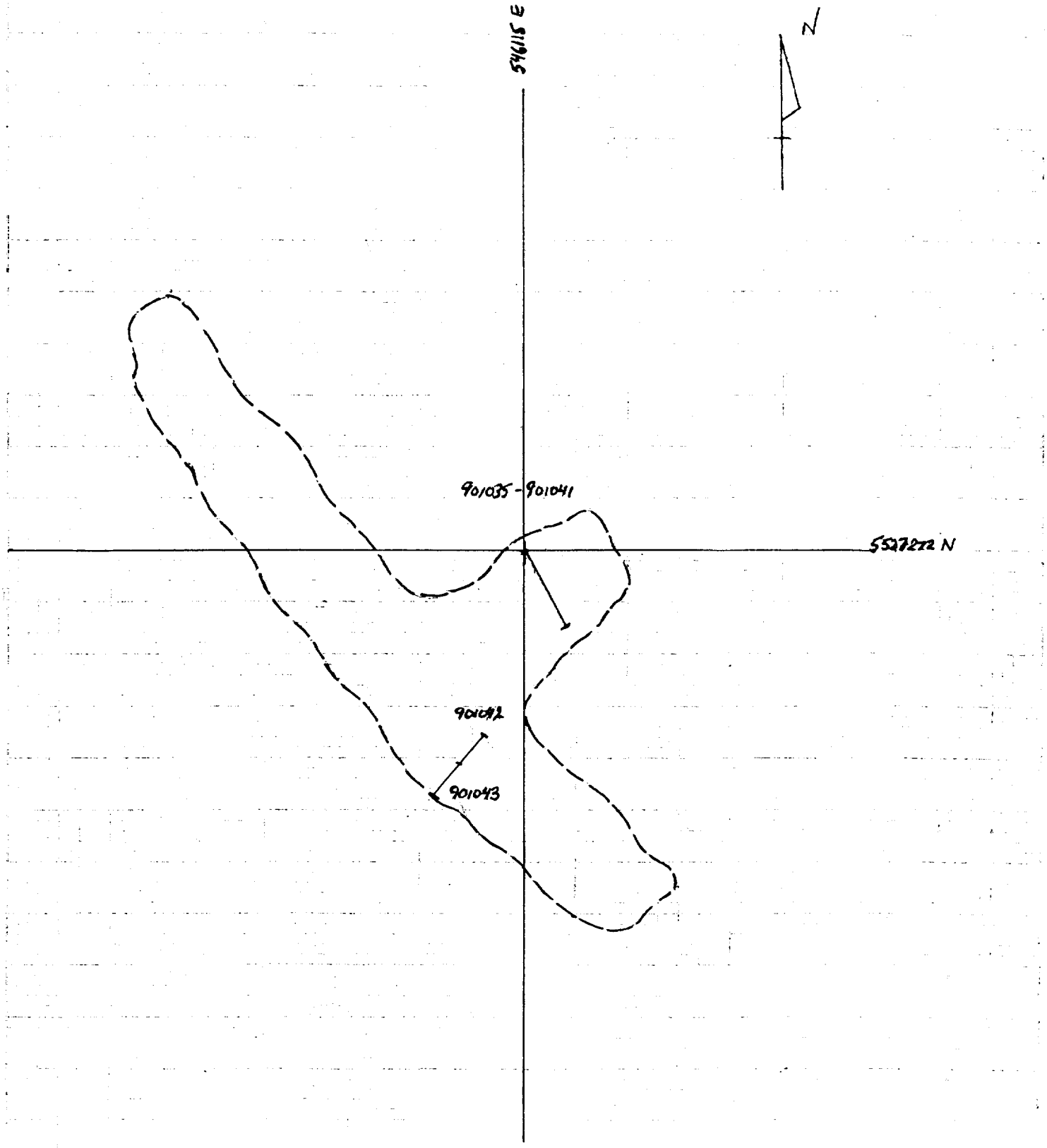
		DETAILS	SUMMARY
Staffing			**$ 10,500.00**
	Bruce W. Mackie, Senior Geologist (August field program)	2,100.00	
	John Wakeford, Senior Geologist (Supervision & design, August program)	400.00	
	Howard J. Coates, Senior Geologist (October field program)	2,500.00	
	Bruce MacLaughlin, Geological Technician (August field program)	900.00	
	Stephen Roach, Field Geologist (October-November field program)	3,850.00	
	Sherridon Johnson, Prospector, Dryden (October field program)	150.00	
	Joe Riives, Prospector, Dryden (October field program)	450.00	
	Alex Glatz, Prospector, Dryden (October field program)	150.00	
Support Costs			**$ 5,146.83**
	Food & Accom.	$ 2,043.02	
	Field Supplies & Equip.	$ 59.90	
	Office Supplies / plotting / photocopies	$ 307.04	
	Air Fares	$ 1,248.80	
	Vehicle Rental	$ 1,122.44	
	Fuel / maintenance	$ 112.36	
	Freight / Shipping	$ 107.41	
	Miscellaneous	$ 145.86	
	Property Acquisition / Maintenance		
	Communications	$ -	
Mechanical Trenching			**$ 7,952.50**
	Mob/Demob	485.00	
	Excavator charges (72.5 hrs @ $103)	7,467.50	
Analyses			**$ 1,108.25**
	Assays/analyses	1,108.25	
		Total	**$ 24,707.58**


No 2 Zone East Extension A
901060
N
5528300 E
No 2 Zone A
901044 - 054
901055 to
No 6 Zone A
901001 - 034
No 6 Zone East Extension A
901064
901065
Creek Zone A
901066
901067
5528100 N
Scale 1:500



№ 6 Zone

SCALE 1:250



WEST EXTENSION
ECHO SHAFT AREA
SCALE 1:250

Accurassay Laboratories

A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Thursday, August 28, 2003

Atikwa Minerals
347 Bay St. , Suite 404
Toronto, ON, CA
M5H2R7
Ph#: (416) 214-4884
Fax#: (416) 214-5599
Email johnw@atikwa.com

Date Received : 25-Aug-03
Date Completed : 28-Aug-03
Job # 200341160
Reference :

Sample #: 45 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
50867	256A	110	0.003	0.110
50868	256B	73	0.002	0.073
50869	256C	604	0.018	0.604
50870	256D	64	0.002	0.064
50871	256E	15	<0.001	0.015
50872	256F	7	<0.001	0.007
50873	256G	7	<0.001	0.007
50874	256H	25	<0.001	0.025
50875	256I	8184	0.239	8.184
50876	256J	6199	0.181	6.199
50877 Check	256J	6258	0.183	6.258
50878	256K	9856	0.288	9.856
50879	256L	3068	0.089	3.068
50880	256M	5473	0.160	5.473
50881	256N	5874	0.171	5.874
50882	256O	6072	0.177	6.072
50883	256P	11339	0.331	11.339
50884	257A	661	0.019	0.661
50885	257B	55120	1.608	55.120
50886	257C	17772	0.518	17.772
50887 Check	257C	17867	0.521	17.867
50888	257D	47961	1.399	47.961
50889	257E	1511	0.044	1.511

PROCEDURE CODES: AL4A/B, ALICPWR

Certified By:
Derek Demianiuk H.Bsc., Laboratory Manager

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MINERAL ASSAY DIVISION

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Certificate of Analysis

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Atikwa Minerals
347 Bay St. , Suite 404
Toronto, ON, CA
M5H2R7
Ph#: (416) 214-4884
Fax#: (416) 214-5599
Email johnw@atikwa.com

Date Received : 25-Aug-03
Date Completed : 28-Aug-03
Job # 200341160
Reference :
Sample #: 45 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
50890	257F	14736	0.430	14.736
50891	257G	137112	4.000	137.112
50892	257H	10754	0.314	10.754
50893	257I	5955	0.174	5.955
50894	257J	9582	0.279	9.582
50895	257K	38775	1.131	38.775
50896	257L	18441	0.538	18.441
50897 Check	257L	20661	0.603	20.661
50898	257M	9521	0.278	9.521
50899	257N	398	0.012	0.398
50900	257O	68	0.002	0.068
50901	257P	26284	0.767	26.284
50902	258A	1767	0.052	1.767
50903	258B	1580	0.046	1.580
50904	258C	2528	0.074	2.528
50905	258D	1903	0.056	1.903
50906	258E	3192	0.093	3.192
50907 Check	258E	3101	0.090	3.101
50908	258F	4470	0.130	4.470
50909	258G	1380	0.040	1.380
50910	258H	3677	0.107	3.677
50911	258I	6183	0.180	6.183
50912	259A	19	<0.001	0.019

PROCEDURE CODES: AL4Au3, ALICPWR

Certified By:
Derek Demianiuk H.Bsc., Laboratory Manager

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
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Certificate of Analysis

Thursday, August 28, 2003

Atikwa Minerals
347 Bay St. , Suite 404
Toronto, ON, CA
M5H2R7
Ph#: (416) 214-4884
Fax#: (416) 214-5599
Email johnw@atikwa.com

Date Received : 25-Aug-03
Date Completed : 28-Aug-03
Job # 200341160
Reference :
Sample #: 45 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
50913	259B	<5	<0.001	<0.005
50914	259C	<5	<0.001	<0.005
50915	259D	11	<0.001	0.011

PROCEDURE CODES: AL4Au3, ALICPWR

Certified By:
Derek Demianiuk H.Bsc., Laboratory Manager

AL903-0339-08/28/2003 02:26 PM

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MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Friday, October 03, 2003

Atikwa Minerals
347 Bay St. , Suite 404
Toronto, ON, CA
M5H2R7
Ph#: (416) 214-4884
Fax#: (416) 214-5599
Email johnw@atikwa.com

Date Received : 26-Sep-03
Date Completed : 03-Oct-03
Job # 200341371
Reference : B. Mackie
Sample #: 29 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
58923	392A	8183	0.239	8.183
58924	392B	903	0.026	0.903
58925	392C	301	0.009	0.301
58926	392D	190	0.006	0.190
58927	392E	2920	0.085	2.920
58928	392F	3940	0.115	3.940
58929	392G	31	<0.001	0.031
58930	392H	15	<0.001	0.015
58931	392I	1126	0.033	1.126
58932	392J	1513	0.044	1.513
58933 Check	392J	1563	0.046	1.563
58934	392K	52	0.002	0.052
58935	393A	1793	0.052	1.793
58936	393B	150	0.004	0.150
58937	393C	2394	0.070	2.394
58938	393D	7293	0.213	7.293
58939	393E	13586	0.396	13.586
58940	393F	730	0.021	0.730
58941	393G	1820	0.053	1.820
58942	393H	1508	0.044	1.508
58943 Check	393H	1956	0.057	1.956
58944	393I	1348	0.039	1.348
58945	393J	2564	0.075	2.564

PROCEDURE CODES: AL4Au8

Certified By:
Derek Demianiuk H.Bsc., Laboratory Manager

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
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Certificate of Analysis

Friday, October 03, 2003

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M5H2R7
Ph#: (416) 214-4884
Fax#: (416) 214-5599
Email johnw@atikwa.com

Date Received : 26-Sep-03
Date Completed : 03-Oct-03
Job # 200341371
Reference : B. Mackie
Sample #: 29 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
58946	393K	3542	0.103	3.542
58947	393L	1926	0.056	1.926
58948	394A	7798	0.227	7.798
58949	394B	1050	0.031	1.050
58950	394C	10203	0.298	10.203
58951	394D	28	<0.001	0.028
58952	394E	13499	0.394	13.499
58953 Check	394E	13231	0.386	13.231
58954	394F	2515	0.073	2.515

PROCEDURE CODES: AL4AU8

Certified By:
Derek Demianiuk H.Bsc., Laboratory Manager

Accurassay Laboratories

A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Tuesday, September 16, 2003

Atikwa Minerals
347 Bay St. , Suite 404
Toronto, ON, CA
M5H2R7
Ph#: (416) 214-4884
Fax#: (416) 214-5599
Email johnw@atikwa.com

Date Received : 25-Aug-03
Date Completed : 28-Aug-03
Job # 200341160
Reference :
Sample #: 45 Rock

Accurassay #		Client Id	Al_2O_3 %	CaO %	Fe_2O_3 %	K_2O %	MgO %	MnO %	Na_2O %	P_2O_5 %	SiO_2 %	TiO_2 %	LOI %	Total %
50893		257I												
50894		257J												
50895		257K												
50896		257L												
50897	Check	257L												
50898		257M												
50899		257N												
50900		257O												
50901		257P												
50902		258A												
50903		258B												
50904		258C												
50905		258D												
50906		258E												
50907	Check	258E												
50908		258F												
50909		258G												
50910		258H												
50911		258I												
50912		259A												
50913		259B												
50914		259C	13.303	0.280	1.310	3.399	0.350	0.030	4.320	0.010	75.201	0.040	1.400	99.643
50915		259D	13.613	0.100	1.370	2.389	0.270	0.010	5.260	0.010	75.151	0.030	1.420	99.623

PROCEDURE CODES: AL4Au3, ALICPWR

Certified By:
Derek Demaniuk H.Bsc., Laboratory Manager

Work Report Summary

Transaction No: W0330.01779 **Status:** APPROVED
Recording Date: 2003-NOV-12 **Work Done from:** 2003-JUL-23
Approval Date: 2004-FEB-05 **to:** 2003-NOV-10

Client(s):

137014 GLATZ, ALEXANDER
187550 RIIVES, IVAR JOSEPH

Survey Type(s):

ASSAY PSTRIP

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
PA 1162943	$0	$0	$1,409	$1,409	$0	0	$0	$0	2005-AUG-08
PA 1166865	$4,942	$4,942	$3,565	$3,565	$1,377	1,377	$0	$0	2006-MAR-29
PA 1191761	$12,354	$12,354	$2,819	$2,819	$9,535	9,535	$0	$0	2004-NOV-13
PA 1191762	$0	$0	$705	$705	$0	0	$0	$0	2004-NOV-23
PA 1199268	$7,412	$7,412	$2,819	$2,819	$4,593	4,593	$0	$0	2004-NOV-30
PA 3002714	$0	$0	$1,409	$1,409	$0	0	$0	$0	2005-AUG-02
PA 3002715	$0	$0	$6,343	$6,343	$0	0	$0	$0	2005-NOV-18
PA 3002721	$0	$0	$705	$705	$0	0	$0	$0	2005-SEP-17
PA 3004264	$0	$0	$705	$705	$0	0	$0	$0	2005-SEP-17
PA 3004265	$0	$0	$4,229	$4,229	$0	0	$0	$0	2005-NOV-05
	$24,708	$24,708	$24,708	$24,708	$15,505	$15,505	$0	$0	

External Credits: $0

Reserve:

$0 Reserve of Work Report#: W0330.01779

$0 Total Remaining

Status of claim is based on information currently on record.

52F16NW2009 2.26635 ECHO 900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

Date: 2004-FEB-05

IVAR JOSEPH RIIVES
BOX 5, SITE 132
15 KEITH AVENUE
DRYDEN, ONTARIO
P8N 2Y4 CANADA

Submission Number: 2.26635
Transaction Number(s): W0330.01779

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Ron C Gashinski

for Ron C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Alexander Glatz
(Claim Holder)

Ivar Joseph Riives
(Assessment Office)

Assessment File Library

Ivar Joseph Riives
(Claim Holder)

Atikwa Minerals Limited
(Agent)

52F16NW2009 2.26635 ECHO 200

ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

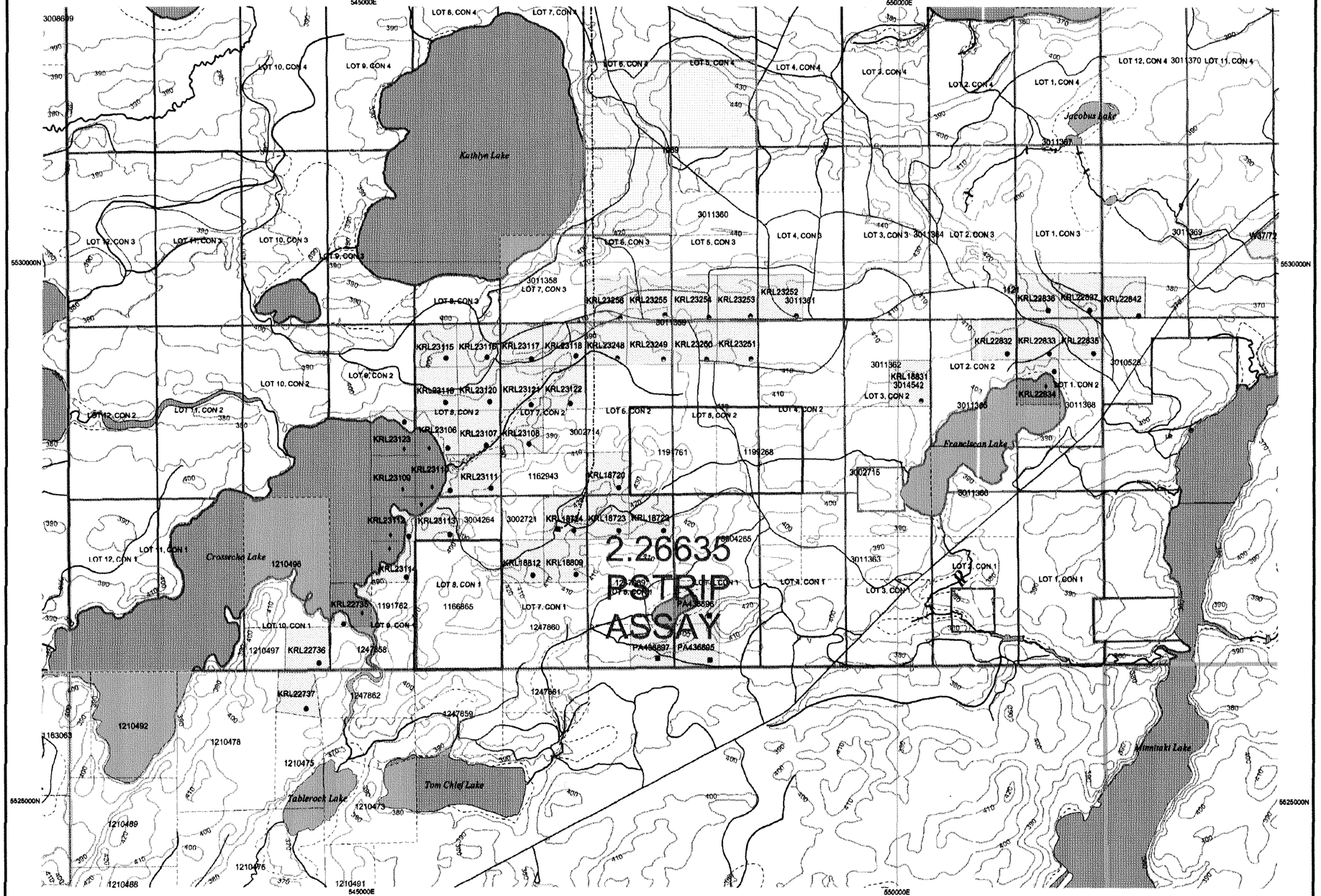
Date / Time of Issue: Fri Apr 02 12:53:09 EST 2004

TOWNSHIP / AREA
ECHO

PLAN
G-3368

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Patricia
Land Titles/Registry Division	KENORA
Ministry of Natural Resources District	SIOUX LOOKOUT



UTM Zone 15
5000m grid

TOPOGRAPHIC

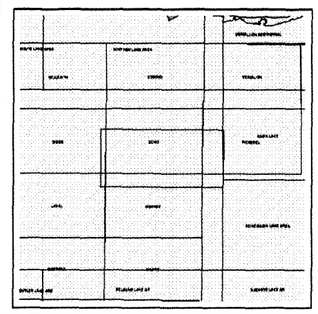
- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- Mining Claim (1234567)
- Filed Only Mining Claims (1234567)



LAND TENURE WITHDRAWALS

1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

Ns IMPORTANT NOTICES

Scale 1:40000

700m 0m 2.1km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
1089	Wm	Jan 1, 2001	ECHO TOWNSHIP PROVINCIAL WILDERNESS AREA MRO WITHDR. FROM STAKING
1121	Wsm	Jan 1, 2001	SEC.43 SRO RES. MAY 10/71
1213	Wsm	Jan 1, 2001	P-2633
W37/72	Ws	Jan 1, 1980	W37/72 18/APR.1972 S.R.O. 163474

Those wishing to stake mining claims should consult with the *Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines* for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mismnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5779
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

ECHO GOLD PROJECT CLAIM OUTLINE

3002714

1162943

11917617

1199268

3002715

3004264

3002721

3004265

1191762

1166865

No 2 Zone East Extension Trench

No 2 Zone A Trench

No 3 Zone East Extension Trenches

No 3 Zone A Trench

CREEK ZONE A TRENCH

256K 256P 256O 256N 256L 256M

256C 256A 256B

259D 259C 259B

core storage location

DDH 87-9 DDH 88-29 DDH 88-6 DDH 87-7

WEST EXTENSION TRENCH

Cross Echo Lake

Francoeur Lake

Lake

Table Rock Lake

Tom Chief Lake

ECHO TOWNSHIP
MCAREE TOWNSHIP

Highway 72

NORTH

0 500 1000
Metres

Projection: UTM Zone 15, NAD83

samples taken from drill core storage site

DDH 88-6 samples 392A-K

DDH 87-9 samples 393A-L

DDH 88-7 samples 394A-F

DDH 88-29 samples 257M,N

NOVEMBER 2003 TRENCHES

2.26635

Atikwa Minerals Limited

ECHO GOLD PROJECT

Dryden, Ontario

Sample Location Map

52F16NW2009 2.26635 ECHO