ALTO VENTURES LTD.
EXTRA SAMPLING OF 2008 DIAMOND DRILL CORES
EMPRESS PROJECT
SYINE TOWNSHIP
NORTHWESTERN ONTARIO
NTS 42D/15

Mike Koziol, P. Geo., P. Eng.

June 25, 2012

SUMMARY

The Empress project is located approximately 100 kilometres west of Hemlo and 15 kilometres northeast of Terrace Bay in the Syine Township in northwestern Ontario. The property consists of 12 contiguous unpatented mining claims (46 claim units) that cover an area of approximately 736 ha. Alto Ventures owns 100% interest in all of the claims.

Extra sampling of drill cores from the 2008 holes EMP08-01 and 02 was carried out to determine that no significant gold mineralization was missed during the first pass of sampling in 2008.

A total of 47 samples, representing 64.7 m of drill core were cut using a diamond saw and analyzed. The sampling did not identify gold anomalies in the volcanic breccia but has confirmed new (albeit weak, 142 ppb and 164 ppb gold) anomalies in the core sections of the interflow sedimentary rocks not sampled previously, specifically those sections containing chert layers.

These findings combined with results from the 2008 drilling program support recommendations to test the Empress Structure between lines 6+00E and 9+00E. This is the area where surface trenching and sampling by Cameco Gold exposed a wide section of the Empress with significant gold values. The trench on Line 6E returned an average of 1.3 g/t gold across 16.2 m, including a higher grade section of 5.3 g/t gold across 2.8 m. There are no reports that this area of the Empress Structure has been drilled previously

Based on the results of this program and previous surface work completed along the Empress Structure, diamond drilling is recommended between lines 6+00E and 9+00E where previous trenching confirmed that the Empress Structure is wide and highly anomalous in gold. An initial program of four holes, totaling 500 m of drilling is recommended.

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1.0 INTRODUCTION

1.1 Location and Access

The Empress Project is located approximately 100 km west of Hemlo and 15 km east of Terrace Bay. The property lies in the Syine Township and it is covered by NTS sheet 42D/15.

The Trans-Canada Highway number 17 passes through the south part of the property and old logging and mining roads which are now reduced to ATV trails provide further access to the claims.

1.2 Physiography

Topographic relief on Empress is variable with elevations ranging from 240 m to over 470 m above mean sea level. Steep hills and ridges are commonly flanked by rock cliffs and deep ravines, often occupied by beaver ponds and swamps which predominantly extend in an east-west direction. Locally the Empress Hill rises 410 m above mean sea level and is a dominant feature on the property and is visible from Highway 17. These topographic features present some challenges in moving with a diamond drill and should be factored into the planning of future drilling programs.

Vegetation cover is moderate, dominated by spruce, white birch, balsam fir, and small amounts of trembling aspen. Undergrowth is moderate to thick, and consists of mountain maple and young conifers. Low-lying areas in the southwest portion of the property, from the foot of Empress Hill and east towards Christie Lake were clear-cut by logging operations and are now occupied by sparse white birch, young balsam fir, and thick moose maple making prospecting and mapping in these areas difficult and unpleasant.

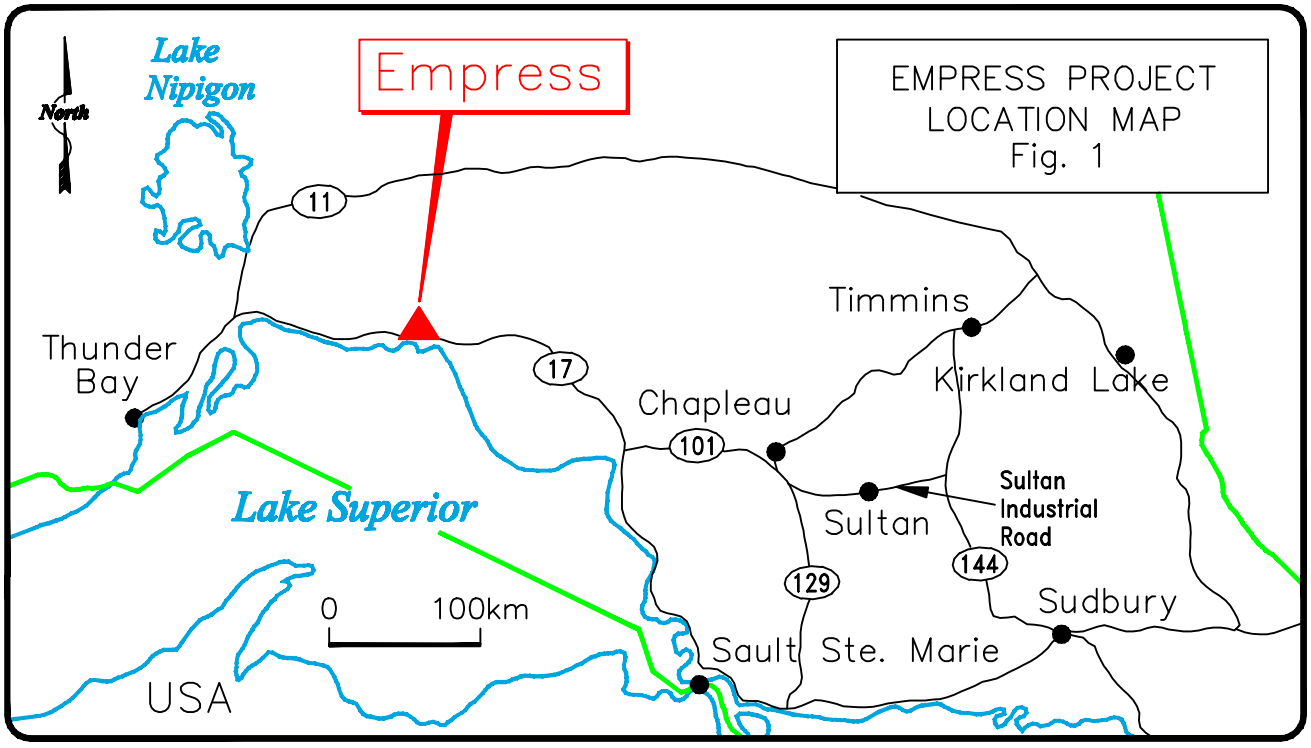
There is a moderate amount of outcrop on the property, but exposure is commonly masked by the undergrowth and by a thin cover of moss and detrital material.

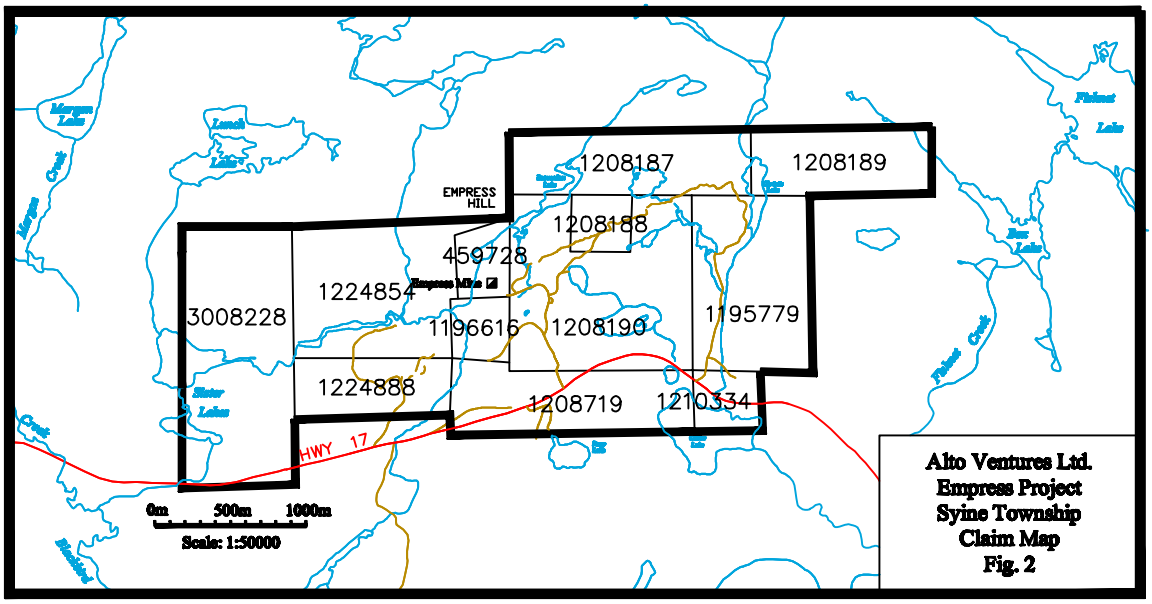
1.3 Cultural Features

Cultural features found on the property are mostly related to the past mining activities at the Empress Mine (claim 459728 – not part of the Empress Project) in the early 1900's. These features include old adits and shafts, rock dams and steel water lines, cement foundations, waste dumps, trenches, casings, pipes, and metal debris. More recent features include logging trails and roads and hunting cabins.

1.4 Property and Tenure

The property consists of 12 contiguous unpatented mining claims, for a total of 46 units covering 736 hectares. The claim group lies within the Terrace Bay and Geraldton M.N.R. administrative districts and the Thunder Bay Mining Division, and is represented on claim map G634, Syine Township.


North
Lake Nipigon
Empress
EMPRESS PROJECT
LOCATION MAP
Fig. 1
11
Thunder Bay
17
Chapleau
101
Timmins
Kirkland Lake
Lake Superior
Sultan
Sultan Industrial Road
144
129
Sudbury
0
100km
Sault Ste. Marie
USA


EMPRESS HILL
1208187
1208189
1208188
459728
1224854
3008228
1196616
1208190
1195779
1224888
1208719
1210334
HWY 17
0m
500m
1000m
Scale: 1:50000
Alto Ventures Ltd.
Empress Project
Syine Township
Claim Map
Fig. 2

Certain parts of the property are also held by private individuals who own the surface rights. Claims making up the Empress Property are listed in Table 1.

Table 1: List of Claims - Empress Project

Claim	Record Date	Units	Township	Surface Rights
1195779	Jul 15/96	6	Syine	
1196616	Mar 28/96	1	Syine	Yes R589
1208187	Feb 13/96	4	Syine	
1208188	May 17/96	1	Syine	Yes R567
1208189	Feb 13/96	3	Syine	
1208190	May 17/96	8	Syine	Yes R567
1208719	Apr 16/96	4	Syine	
1210334	Feb 12/97	1	Syine	
1224854	May 21/96	6	Syine	Yes R589
1224888	Dec 11/96	3	Syine	
3008228	Jul 11/05	8	Syine	
845646	Dec 27/85	1	Syine	

1.5 Previous Work

1.5.2 Exploration History

Economic interest within the Schreiber-Hemlo District began in 1851 with the discovery of Canada's first molybdenite occurrence in the Terrace Bay area and subsequently there were several periods when significant work was completed in the project area prior to Alto's current drilling program (Koziol, 2007, Samson, 1999, Schnieders et al., 1996). These Include:

1895 - 1900: The Empress Gold Mining Company was incorporated, and various test shafts, adits and pits were sunk on a series of gold-bearing quartz veins. A 10-stamp mill was erected, and 112 ounces of gold were produced from 1100 tons of ore (calculated aver. of 0.1 oz/t or 3.5 g/t Au). Operations were eventually shut down due to lack of funds.

1936 - 1937: The Empress Consolidated Gold Mines Ltd. was incorporated and signed an option agreement with Czarina Gold Mines in order to extensively re-evaluate the Empress mine. Dozens of trenches now found on the Empress claim block can be attributed to this period of activity.

1984 - 1987: Bell Geological Services conducted a diamond drilling program in 1984 consisting of 1557 m (5106 ft) in 12 holes, testing various anomalies detected in the vicinity of the Ursa Major occurrence (486 m in 4 holes), the Empress Mine (587 m in 4 holes), and along the Empress Structure (483 m in 4 holes). The most encouraging results included 44.23 g/t over 0.61 m (ddh 441-84-8), the presence of visible gold in ddh 441-84-1, and several sub economic intersections hosted by a "carbonatized sericitic

shear" coincident with the Empress Structure. Another follow-up program further testing the Empress Structure was completed in 1987 (1674 m in 10 holes); The drill logs for this last program were submitted for assessment with the MNDM, but the corresponding report and assay results were not found.

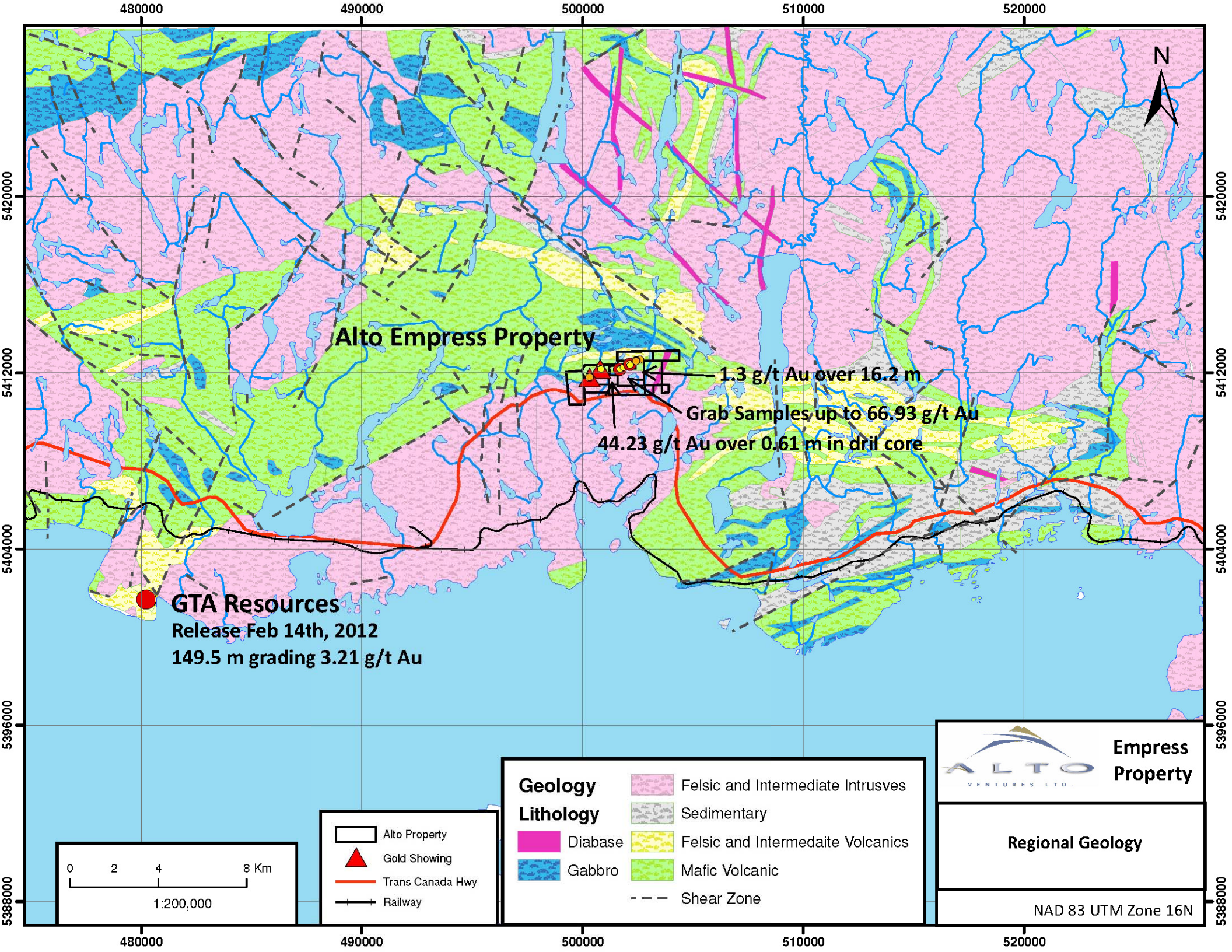
1998-2005: Cameco Gold Inc. (a subsidiary of Cameco Corporation (Cameco) acquired the property in 1998 and started work in 1999. Cameco's 1999 program involved an intensive review of the southern portion of the property and surface work including line cutting and geological mapping (Samson, 1999). The mapping program was followed by the stripping of eight historical trenches distributed over a strike length of 1.4 km to the east of the former Empress Mine. The stripped areas were mapped and 308 channel samples were collected. To enhance the understanding of the Empress system, 8.8 km of dipole-dipole IP was conducted on selected grid lines at locations northeast and southwest of the Empress Mine. Twelve diamond drill holes totaling 1800 metres drilled previously by Micham Resource in 1984 and 1987 were re-logged and re-sampled. In 2000, Cameco performed a geological survey and bulk till sampling program to follow-up previous year's results and to further explore the property (McCracken, 2000). The property lay dormant since.

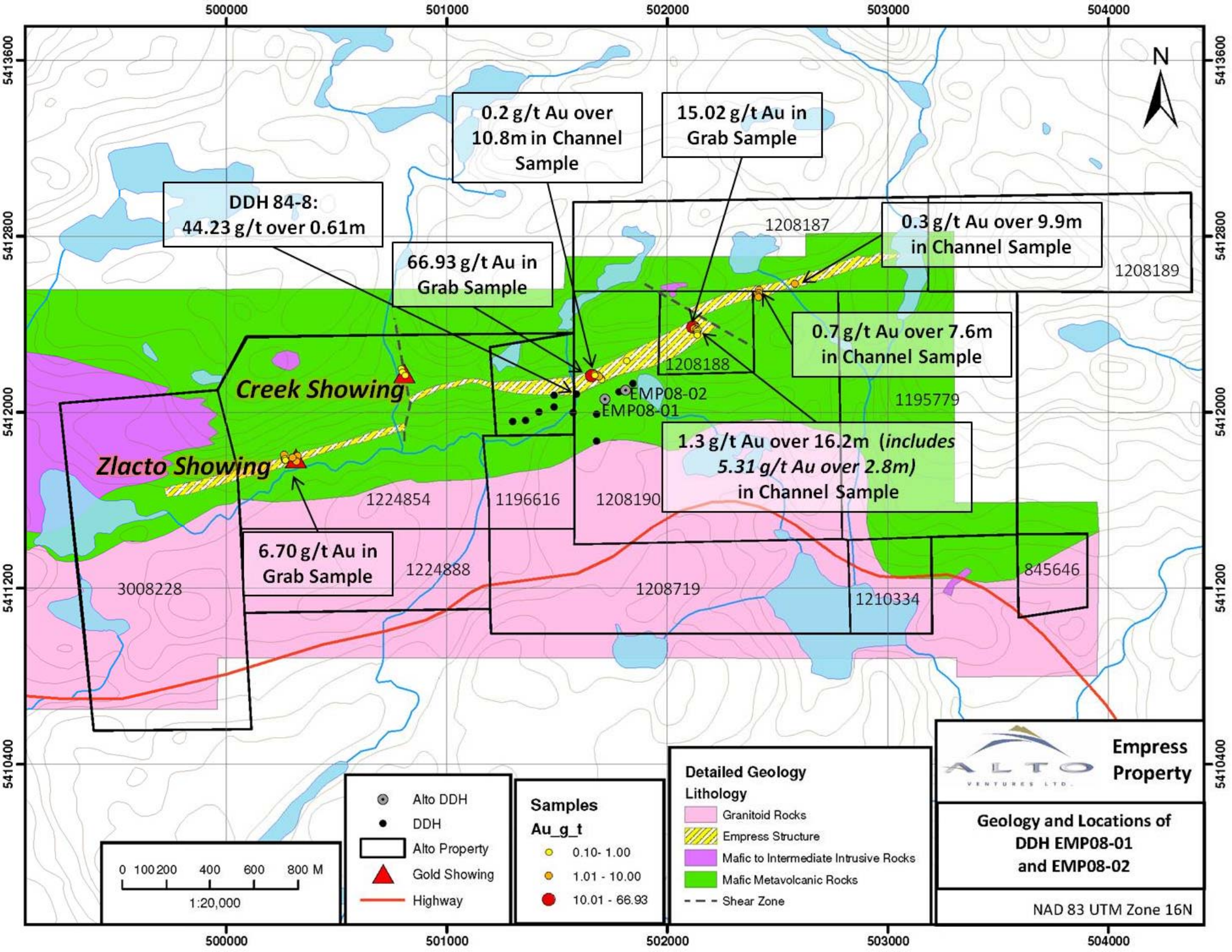
Alto Ventures Limited purchased the property from Cameco Corporation in 2005. In 2006 Alto completed geological work and recommended diamond drilling (Koziol, 2007).

In 2008, Alto Ventures drilled two holes, totaling 332 m to test sections of the Empress Structure (Koziol, 2008). Results returned several anomalous gold values, including 2.04 g/t gold over 0.5 m. Koziol (2008) recommended drilling on previous lines 6+00E and 9+00E where work by Cameco Corporation in 1999 and 2000 obtained interesting results from surface saw-cut channel sampling. The sampling at Trench 6E averaged 1.3 g/t gold across a 16.2 m wide section of the Empress Shear, including 5.3 g/t gold across 2.8 m. There was no previous drilling in this area.

1.6 Recent Developments Close to the Empress Project

Drill Results released by GTA Resources from their North Shore Property on the 4th of February, 2012 have generated exploration excitement in the Terrace Bay-Schreiber area. The results include some very impressive numbers including 3.21 g/t over 149.5 m. The North Shore Property is located approximately 20 km west-southwest of the Empress Property and lies close to the west end contact of the Terrace Bay Batholith (see Figure 3). The Empress property is situated near the north-northeast contact of the Terrace Bay Batholith and the property warrants additional exploration.


480000
490000
500000
510000
520000
5420000
5412000
5404000
5396000
5388000
N
Alto Empress Property
1.3 g/t Au over 16.2 m
Grab Samples up to 66.93 g/t Au
44.23 g/t Au over 0.61 m in dril core
GTA Resources
Release Feb 14th, 2012
149.5 m grading 3.21 g/t Au
0 2 4 8 Km
1:200,000
Alto Property
Gold Showing
Trans Canada Hwy
Railway
Geology
Lithology
Diabase
Gabbro
Felsic and Intermediate Intrusves
Sedimentary
Felsic and Intermedaite Volcanics
Mafic Volcanic
Shear Zone
ALTO VENTURES LTD.
Empress Property
Regional Geology
NAD 83 UTM Zone 16N


500000
501000
502000
503000
504000
5413600
5412800
5412000
5411200
5410400
N
0.2 g/t Au over 10.8m in Channel Sample
15.02 g/t Au in Grab Sample
DDH 84-8: 44.23 g/t over 0.61m
66.93 g/t Au in Grab Sample
0.3 g/t Au over 9.9m in Channel Sample
0.7 g/t Au over 7.6m in Channel Sample
1.3 g/t Au over 16.2m (includes 5.31 g/t Au over 2.8m) in Channel Sample
6.70 g/t Au in Grab Sample
Creek Showing
Zlacto Showing
EMP08-01
EMP08-02
1208187
1208189
1208188
1195779
1224854
1196616
1208190
1224888
3008228
1208719
1210334
845646
0 100 200 400 600 800 M
1:20,000
Alto DDH
DDH
Alto Property
Gold Showing
Highway
Samples
Au_g_t
0.10- 1.00
1.01 - 10.00
10.01 - 66.93
Detailed Geology
Lithology
Granitoid Rocks
Empress Structure
Mafic to Intermediate Intrusive Rocks
Mafic Metavolcanic Rocks
Shear Zone
ALTO VENTURES LTD.
Empress Property
Geology and Locations of DDH EMP08-01 and EMP08-02
NAD 83 UTM Zone 16N

2.0 THE 2012 EXTRA SAMPLING OF CORES FROM 2008 DRILLING

2.1 Objectives

The objectives of the 2012 program were to re-examine the drill cores from the 2008 holes EMP08-01 and 02 and sample additional sections that were not sampled in 2008 but could be host to gold mineralization. This is prudent action in light of the recent gold discoveries reported by GTA Resources made near the western edge of the Terrace Bay Batholith.

2.2 Logistics

The 2008 diamond drill cores were pulled from storage to Alto's core logging facility in Beardmore by Richard Cote and set up for examination on May 23, 2012. The core was examined and samples for cutting were selected by Mike Koziol P. Geo on May 23 and 24. The NQ-size cores selected for analyses were sawed in half by Richard Cote and one half was delivered to a commercial laboratory by Alto staff for analyses and the other half retained for future reference at Alto's core storage yard in Beardmore.

Koziol drove from his home base in Sudbury to Beardmore on May 22 and examined the cores on May 23 and 24, then returning to Sudbury. While in Beardmore, Koziol stayed at the Roxy Place Motel and on the return trip to Sudbury at the Sportsman Inn in Wawa.

Gold assays were performed at Accurassay Laboratories in Thunder Bay, Ontario. The gold assaying method uses a standard Fire Assay with AA finish technique on a 30 gram sub-sample taken from a 500 gram split from the submitted sample. Commercially prepared standards were inserted by Alto every 25 samples to ensure precision of the results. The laboratory ran internal check assays every 10 samples to ensure lab quality control. The samples were also tested for another 30 elements using ICP scan methods. In total, 50 samples (which include two standards and one blank) were analyzed for gold and other elements.

2.3 Drill Hole Descriptions

Drill holes EMP08-01 and 02 were drilled in 2008 on lines spaced 100 m apart of section lines 1+00E and 2+00E (Koziol, 2008). These holes are located at the base of a cliff scarp and were drilled at an azimuth of approximately 330° into the cliff and the Empress Structure. The Empress Structure strikes in a northeast direction and is located on top of the cliff.

EMP08-01
Drill hole EMP08-01 cut through a sequence of interflow sedimentary rocks, mafic volcanic flows and gabbro. The interflow sedimentary units include mainly bedded greywacke, siltstone and argillite with sections of finely layered chert. Locally the beds are schistose and these areas may be expressions of shear zones that occur parallel to bedding (foliation?) and collectively are referred to as the Empress Structure. A fault

gouge was intersected from 124.46 to 124.83m.

Several narrow quartz veins occur associated with the interflow units with anomalous gold values, up to 0.49 g/t across 1.0 m being reported by Koziol (2008) from the 2008 drilling. Pyrite occurs locally disseminated throughout the interflow units, from 1% to 5% of the rock. The sulphide-bearing areas are considered to be good IP chargeability anomalies.

The mafic volcanic rocks consist of dark grey to green pillow flows and flow breccia. These do not appear to be strongly deformed or altered except for the interval between 130.3 m and 141.1 m where the flows are micro-fractured and the fractures are filled with hematite. There is some silicification as well as albite alteration associated with the fracturing.

The 2012 sampling captured sections of the interflow sedimentary units not previously sampled but the main focus was on the flow breccia intervals and areas of chlorite alteration within the flows. In total, 29 samples (numbered 1137751 to 1137780), representing 40.8 m of core, were cut and analyzed for gold and 30 other elements. The results are disappointing, mainly in the low ppb ranges for gold except for sample 1137766 which assays 142 ppb gold across 0.6 m from 104.5 to 105.1 m. This sample is from a chert-siltstone interval and suggests that the interflow sedimentary units and the shear zones within them are the better targets for gold.

EMP08-02

EMP08-02 was drilled 100m east of EMP08-01 and it intersected similar geology as the first hole. In this hole, the main zone of veining starts at 108.5m and continues to 113m consisting of 40% quartz veins that are up to 0.3m wide and areas of silica flooding. Impressive light-tan sericite, apple green chlorite (fuchsite ?), green chlorite, epidote, hematite and locally wisps of “chamois” coloured sericite form the alteration package associated with this zone. Veins also contain clusters of pyrite, chalcopyrite and galena. Hematite alteration is weak and occurs along fractures in the wall rocks but not in the veins. Sulphide mineralization averages 5% over this mineralized interval.

Anomalous gold values were obtained in the 2008 drilling in the upper part of the main mineralized zone including the section from 108.5 to 110.8 m averaging 0.66 g/t Au across 2.3m. This section includes 2.04 g/t Au across 0.5m (Koziol, 2008).

The 2012 sampling focused mainly on the mafic flow breccia and altered flows. In total, 18 samples (numbered 1137781 to 1137800) representing 23.9 m of core, were cut and analyzed for gold and 30 other elements. As in EMP08-01, the results are disappointing except for sample 1137784 which assays 164 ppb across 1.0 m from 132.5 to 133.5. Again, the anomalous sample comes from the interflow sedimentary units further suggesting that the main targets in this area are the interflow sedimentary units and the shear zones that tend to develop along these units.

3.0 CONCLUSIONS

Extra sampling of drill cores from the 2008 holes EMP08-01 and 02 was carried out to determine that no significant gold mineralization was missed during the first pass of sampling in 2008.

A total of 47 samples, representing 64.7 m of drill core were cut with a diamond saw and analyzed. The sampling did not identify gold anomalies in the volcanic breccia but has confirmed new (albeit weak, 142 ppb and 164 ppb gold) anomalies in the core sections of the interflow sedimentary rocks not sampled previously, specifically those sections containing chert layers.

These findings combined with results from the 2008 drilling program support recommendations to test the Empress Structure between lines 6+00E and 9+00E. This is the area where surface trenching and sampling by Cameco Gold exposed a wide section of the Empress Structure with significant gold values. The trench on Line 6E returned an average of 1.3 g/t gold across 16.2 m, including a higher grade section of 5.3 g/t gold across 2.8 m. No reports were found to suggest that this area of the Empress Structure has been drilled previously

4.0 RECCOMENDATIONS

Based on the results of this program and previous surface work completed to the east along the Empress Structure, diamond drilling is recommended between lines 6+00E and 9+00E where previous trenching confirmed that the Empress Structure is wide and highly anomalous in gold. An initial program of four holes, totaling 500 m of drilling is recommended.

5.0 REFERENCES

Koziol, M., 2008: Alto Ventures Ltd, 2008 Diamond Drilling Program, Empress Project, Syine Township Northwestern Ontario, NTS 42D/15, Unpublished Company Report.

Koziol, M., 2007: Alto Ventures Ltd, 2006 Exploration Program, Empress Project, Syine Township Northwestern Ontario, NTS 42D/15, Unpublished Company Report.

McCracken, T. 2000: Cameco Gold Inc., 2000 Summer Exploration Program, Empress Project, Syine Township and Santoy Lake Area, Northwestern Ontario, NTS 42D/15. Unpublished Company Report.

Samson, J. 1999: Cameco Gold Inc. 1999 Exploration Program Empress Project, Syine Township and Santoy Lake Area, Northwestern Ontario, NTS-42D/15. Unpublished Company Report.

Schnieders, B.R., Smyk, M.C., Speed, A.A. and McKay, D.B. 1996: Mineral occurrences in the Nipigon-Marathon area, Volumes 1 and 2; Ontario Geological Survey, Open File Report 5951, 912p.

CERTIFICATES

I, Marian (Mike) Koziol, P. Geo., P. Eng., resident at 26 Cognac Court, Sudbury, Ontario, P3E 6L4 do hereby certify that:

1. I am currently employed as President and Director of Alto Ventures Ltd.

2. I graduated from McGill University, Montreal, Quebec with a B.Sc. degree in Geological Sciences in 1978.

3. I am a licensed member of the Professional Engineers of Ontario (No. 100026045) and a licensed member of the Association of Professional Geoscientists of Ontario (No. 1009). I am also a member of the Association of Professional Engineers and Geoscientists of Saskatchewan (No. 05638).

4. I have worked continuously as an exploration geologist since my graduation, exploring for gold and base metals deposits in the Canadian Shield including the Churchill Province of Saskatchewan and Manitoba and the Superior Province of Manitoba, Ontario and Quebec.

5. I have read the definition of "Qualified Person" as set out in National Instrument 43-101 and certify that I fulfill the requirements to be a Qualified Person for the purposes of NI43-101 by reason of my education, relevant past work experience and affiliation with professional association as defined in NI43-101.

6. I have personally worked on the Empress property and supervised the programs described in this report.

8. As of the date of this certification, I am not aware of any material fact or change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

9. I do not hold a direct interest in the property but I do own shares of Alto Ventures Ltd and am an Officer and Director of the Company and for the purposes of this report I am not an independent Qualified Person as defined by Section 1.5 of NI43-101.

Original Signed in Sudbury, Ontario on this 25th day of June, 2012

Marian (Mike) Koziol, P. Geo., P. Eng

APPENDIX A

Diamond Drill Hole Logs

Alto Ventures Ltd. DETAILED LOG

Hole Number: **EMP08-01** Units: METRIC

Project Name:	Empress	Primary Coordinates	Grid: UTM83-16	Field Coordinates	Grid:	Collar Dip:	-50.60
Project Number:	Empress	North:	5412060.00	North:	0.00	Collar Az:	332.50
Location:	Surface	East:	501718.00	East:	0.00	Length:	163.10
		Elev:	300.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Sep 29, 2008	Collar Survey:	N	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	163.10
Date Completed:	Oct 02, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb, Mike Koziol	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments: Additional sampling of core completed in May 2012

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
19.00	332.50	-50.60	ezShot	OK		**50.00**	333.10	-49.70	ezShot	OK	
100.00	329.20	-49.90	ezShot	OK		**151.00**	331.10	-48.80	ezShot	OK	

Detailed Lithology

From	To	Lithology	Assay Data: Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
0	15.00	**OB, Overburden**										
15.00	21.50	**5bc, chert** Sequence of finely laminated chert alternating with beds of siltstone, chert units range from few mm to 10cm in thickness and make up 10% of the interval. Fine beds of black argillite and brownish grey siltstone make up the remainder of the interval, some of the silstone beds are sericitized, trac to 1% py occurrs disseminated throughout, core at 20.9 m is broken and blocky. from 22 to 22.7m interval contains 20% fine blueish chert bands up to 1cm wide (quartz veins?)	1137751	20.90	22.00	1.10	0.0760		0.5000	195.0000	25.0000	0.5000
21.50	22.10	**11c, chlorite schist**	1137752	22.00	23.50	1.50	0.0090		0.5000	356.0000	54.0000	0.5000
22.10	26.60	**5bc, chert**	1137753	23.50	25.10	1.60	0.0130		0.5000	565.0000	61.0000	0.5000
			1137754	25.10	26.60	1.50	0.0100		0.5000	103.0000	44.0000	0.5000
26.60	70.00	**1, mafic volcanics**	1137755	26.60	27.90	1.30	0.0100		2.0000	130.0000	47.0000	0.5000
		Dark green to dark grey, massive flows, hanging wall contact is epidote-altered locally, at 48.5 to 54.7 rock is foliated, possible tuff beds or shear, core angles are 15 degrees to CA, narrow cherty veinlets occur parallel to foliation and these have chlorite alteration halos on contacts with wall rock 54.7 to 55 Lamprophyre	1137756	49.00	50.50	1.50	0.0080		0.5000	137.0000	52.0000	0.5000
			1137757	50.50	52.00	1.50	0.0100		0.5000	146.0000	64.0000	0.5000
			1137758	52.00	53.50	1.50	0.0070		2.0000	152.0000	65.0000	0.5000
			1137759	53.50	55.00	1.50	0.0025		4.0000	149.0000	103.0000	0.5000

Hole Number: **EMP08-01** Units: METRIC

Detailed Lithology			Assay Data								
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
70.00	71.40	**2, intermediate rocks** Sheared intermediate/mafic volcanics at the contact between mafic flows and diorite, or narrow interval of finely bedded foliated sediments, foliation at 70 to 80 to CA, trace py along the foliation **Structure** 70.000 - 71.400 : Structure: FOL, Core Axis: 68.0 70.000 - 124.830 : Structure: SHR, Core Axis: 70.0 Sheared sediments with quartz veining	1137760	70.80	71.40	0.60	0.0060		0.5000	1046.0000	140.0000	0.5000
71.40	78.75	**7b, diorite**										
78.75	81.20	**1, mafic volcanics**	689573	80.30	81.30	1.00	0.0110		0.5000	241.0000	224.0000	0.5000
81.20	82.70	**5, sediment** **Structure** 82.000 - 83.000 : Structure: FOL, Core Axis: 50.0 **Mineralization** 82.000 - 82.250 : , Py: 2.0, Style: Stringers	689574	81.30	82.30	1.00	0.0150		0.5000	581.0000	289.0000	0.5000
			689576	82.30	82.80	0.50	0.0190		0.5000	96.0000	8.0000	0.5000
82.70	83.40	**11c, chlorite schist**	689577	82.80	83.40	0.60	0.0050		0.5000	101.0000	8.0000	0.5000
83.40	84.90	**5, sediment**	689578	83.40	84.30	0.90	0.0080		2.0000	137.0000	87.0000	0.5000
			689579	84.30	85.40	1.10	0.0060		0.5000	459.0000	172.0000	0.5000
84.90	87.30	**5bc, chert**	689580	85.40	86.40	1.00	0.0140		0.5000	852.0000	201.0000	0.5000
			689581	86.40	87.40	1.00	0.0150		0.5000	1360.0000	304.0000	0.5000
87.30	92.25	**5, sediment**	1137761	92.15	93.75	1.60	0.0130		0.5000	1018.0000	263.0000	0.5000
92.25	93.75	**5bc, chert** 92.15 to 93.75 chert interlayered with siltstone, CA at 70 degrees and core displays tight fold										
93.75	104.05	**5, sediment** 98.5 to 103m possible sheared diorite, 98.5-101.5m contains 5% to 10% qtz-carb veinlets up to 2cm wide; 101.5 to 103m massive greywacke or fine grained diorite **Structure** 93.750 - 104.050 : Structure: FOL, Core Axis: 65.0	1137762	98.50	100.00	1.50	0.0080		0.5000	115.0000	48.0000	0.5000
			1137763	100.00	101.50	1.50	0.0100		0.5000	86.0000	21.0000	0.5000
			1137764	101.50	103.00	1.50	0.0025		0.5000	53.0000	49.0000	0.5000
			1137765	103.00	104.50	1.50	0.0170		0.5000	210.0000	63.0000	0.5000
104.05	106.45	**5bc, chert** very fine chery siltstone, finely laminated **Structure** 104.050 - 106.450 : Structure: FOL, Core Axis: 70.0 **Mineralization** 104.050 - 106.450 : , Cp: 1.0, Py: 2.0, Style: Disseminated **Veining** 106.350 - 107.370 :% Veining: 80, QTZ: 100, Vein Type: Mass grey white, fractured, 5% sulphides mainly cp, gn and lesser py	1137766	104.50	105.10	0.60	0.1420		0.5000	252.0000	38.0000	5.0000
			689582	105.10	106.35	1.25	0.0920		0.5000	793.0000	197.0000	0.5000
			689583	106.35	107.35	1.00	0.4770	0.5070	25.0000	1396.0000	2296.0000	3539.0000

Hole Number: **EMP08-01** Units: METRIC

Detailed Lithology			Assay Data									
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
106.45	107.37	**10, quartz vein** Slightly haematitic quartz vein with chalcopyrite, pyrite and galena in disseminated clots **Mineralization** 106.450 - 106.800 : , Cp: 6.0, Gn: 2.0, Style: Disseminated/Blebby	689584	107.35	108.35	1.00	0.0740	0.0770	0.5000	2214.0000	204.0000	14.0000
107.37	108.35	**5bc, chert** Upper part of interval is mainly chert and towards bottom consist of chert interlayerd with siltstone **Mineralization** 107.370 - 112.930 : , Py: 5.0, Style: Disseminated										
108.35	108.50	**10, quartz vein** **Veining** 108.350 - 108.500 :% Veining: 95, QTZ: 100, Vein Type: Mass	689585	108.35	109.35	1.00	0.0590	0.0780	0.5000	1996.0000	153.0000	0.5000
108.50	110.39	**5ac, siltstone** silttone interlayered with fne chert beds **Structure** 108.500 - 110.390 : Structure: FOL, Core Axis: 70.0	689586	109.35	110.35	1.00	0.0400	0.0470	0.5000	228.0000	105.0000	0.5000
			689587	110.35	111.35	1.00	0.0370	0.0320	0.5000	834.0000	37.0000	1.0000
110.39	110.51	**10, quartz vein** **Veining** 110.390 - 110.510 :% Veining: 95, QTZ: 100, Vein Type: Mass										
110.51	111.96	**5ac, siltstone** siltstone interlayered with chert	689588	111.35	111.85	0.50	0.1050	0.1070	0.5000	2101.0000	208.0000	0.5000
			689589	111.85	112.30	0.45	0.9330	0.7100	0.5000	576.0000	79.0000	1.0000
111.96	112.16	**10a, quartz-carbonate vein** **Veining** 111.960 - 112.160 :% Veining: 80, Ank: 20, QTZ: 80, Vein Type: Mass										
112.16	112.93	**5bc, chert** Mainly chert interlayered with siltstone beds	689590	112.30	112.90	0.60	0.1100	0.0750	0.5000	61.0000	38.0000	0.5000
			689591	112.90	113.90	1.00	0.0140	0.0190	1.0000	15.0000	795.0000	7.0000
112.93	115.09	**10a, quartz-carbonate vein** **Mineralization** 112.930 - 115.090 : , Cp: 1.0, Py: 2.0, Style: Disseminated/Blebby **Veining** 112.930 - 115.090 :% Veining: 95, Ank: 5, QTZ: 95, Vein Type: Mass dirty-white vein intruded by coarser pegmatitic qtz vein, white vein contains clusters of py and minor cp	689592	113.90	114.90	1.00	0.0370	0.0610	0.5000	25.0000	207.0000	2.0000
			689593	114.90	115.90	1.00	0.1060	0.0980	0.5000	27.0000	210.0000	2.0000
115.09	115.24	**5bc, chert**										

Hole Number: **EMP08-01** Units: METRIC

Detailed Lithology			Assay Data									
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
115.24	115.34	**10, quartz vein** **Mineralization** 115.240 - 115.340 : , Py: 10.0, Style: Blebby **Veining** 115.240 - 115.340 :% Veining: 95, QTZ: 100, Vein Type: Mass										
115.34	115.76	**5bc, chert** **Mineralization** 115.340 - 115.760 : , Py: 5.0, Style: Fine Grained very fine disseminations										
115.76	116.90	**10, quartz vein** with very minor carbonate **Mineralization** 116.350 - 116.380 : , Cp: 5.0, Py: 5.0, Style: Disseminated/Blebby **Veining** 115.760 - 116.900 :% Veining: 95, QTZ: 100, Vein Type: Mass massive white vein, fractured, contains minor py and cp	689594	115.90	116.60	0.70	0.0800	0.0790	2.0000	16.0000	414.0000	0.5000
			689595	116.60	117.10	0.50	0.0080	0.0080	1.0000	61.0000	43.0000	0.5000
116.90	119.05	**5bc, chert** Sequence of fine grained greywacke interbeded with siltstone and less frequently narrow chert beds **Mineralization** 116.900 - 119.050 : , Cp: 1.0, Py: 5.0, Style: Disseminated	689596	117.10	118.00	0.90	0.0860	0.0960	0.5000	92.0000	91.0000	0.5000
			689597	118.00	118.50	0.50	0.0470	0.0550	0.5000	230.0000	51.0000	0.5000
			689598	118.50	119.00	0.50	0.0370	0.0420	0.5000	838.0000	190.0000	0.5000
			689599	119.00	119.50	0.50	0.0090	0.0170	0.5000	259.0000	63.0000	1.0000
119.05	119.45	**5aba, greywacke** Massive beds of relatively fresh greywacke **Mineralization** 119.050 - 119.450 : , Py: 2.0, Style: Disseminated										
119.45	122.28	**5ac, siltstone** Interlayered siltstones with fine grained greywacke and less frequent chert beds **Structure** 119.450 - 122.280 : Structure: FOL, Core Axis: 70.0 **Mineralization** 119.450 - 122.280 : , Py: 7.0, Style: Disseminated	689601	119.50	120.20	0.70	0.4100	0.4290	0.5000	1226.0000	245.0000	0.5000
			689602	120.20	121.00	0.80	0.1010	0.0900	0.5000	2516.0000	236.0000	0.5000
			689603	121.00	121.60	0.60	0.1160	0.1310	0.5000	3323.0000	144.0000	0.5000
			689604	121.60	122.30	0.70	0.0550	0.0400	0.5000	337.0000	69.0000	0.5000
122.28	122.61	**10, quartz vein** **Mineralization** 122.280 - 122.320 : , Py: 70.0, Style: Semi-Massive 122.320 - 124.460 : , Cp: 2.0, Py: 3.0, Style: Disseminated **Veining** 122.280 - 122.610 :% Veining: 85, QTZ: 100, Vein Type: Mass massive white vein, contains band of py clusters near top and minor disseminated cp and py along fractures, contains 10% inclusions of chlorite and biotite	689605	122.30	123.10	0.80	0.0520		0.5000	1219.0000	381.0000	0.5000

Alto Ventures Ltd. DETAILED LOG

Hole Number: **EMP08-01**

Units: METRIC

Detailed Lithology			Assay Data									
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
122.61	124.46	**5ac, siltstone** Fine grained greywacke and silstone beds,	689606	123.10	124.10	1.00	0.0500		0.5000	2338.0000	857.0000	2.0000
			689607	124.10	124.80	0.70	0.0270		0.5000	898.0000	183.0000	2.0000
124.46	124.83	**FZ, fault zone** Sheared and carbonate-biotite altered, muddy textured greywacks, fault appears to occur parallel to suparallel to foliation/bedding	689608	124.80	125.80	1.00	0.0290		0.5000	325.0000	63.0000	4.0000
124.83	163.00	**1, mafic volcanics** Locally, 1% fine py; 126.4-126.55m coarse grained white quartz vein with hematite along microfractures; 130.3-135.5m local micro fractured with very fine dusty hematite along fractures and weak albite alteration along some of the fractures; 139.8-141.1m bleached silicified area contains 1% disseminated py, possiblechert zone between flows; 141.1-142.5 mainly massive volcanics with fine chert layers (inter-flow seds or silica alteration?); 142.5-144 massive flow or fine grained gabbro, contains 1% fine disseminated py; Hole ends in pillow flows	1137767	125.80	127.00	1.20	0.0100		2.0000	170.0000	64.0000	3.0000
			1137768	127.00	128.50	1.50	0.0025		3.0000	164.0000	61.0000	0.5000
			1137769	128.50	130.00	1.50	0.0025		0.5000	150.0000	38.0000	0.5000
			1137770	130.00	131.50	1.50	0.0025		2.0000	177.0000	67.0000	0.5000
			1137771	131.50	133.00	1.50	0.0025		5.0000	201.0000	65.0000	0.5000
			1137772	133.00	134.50	1.50	0.0050		0.5000	134.0000	59.0000	0.5000
			1137773	134.50	136.00	1.50	0.0050		0.5000	47.0000	49.0000	0.5000
			1137774	136.00	137.50	1.50	0.0025		0.5000	83.0000	49.0000	0.5000
			1137776	137.50	139.00	1.50	0.0090		3.0000	140.0000	52.0000	0.5000
			1137777	139.00	139.80	0.80	0.0110		0.5000	148.0000	84.0000	0.5000
			1137778	139.80	141.10	1.30	0.0270		0.5000	1101.0000	227.0000	0.5000
			1137779	141.10	142.50	1.40	0.0060		5.0000	502.0000	130.0000	0.5000
			1137780	142.50	144.00	1.50	0.0080		0.5000	117.0000	13.0000	0.5000
163.00	163.10	**EOH, end of hole**										

Alto Ventures Ltd. DETAILED LOG

Hole Number: **EMP08-02** Units: METRIC

Project Name:	Empress	Primary Coordinates	Grid: UTM83-16	Field Coordinates	Grid:	Collar Dip:	-50.10
Project Number:	Empress	North:	5412102.00	North:	0.00	Collar Az:	323.20
Location:	Surface	East:	501811.00	East:	0.00	Length:	169.00
		Elev:	300.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 03, 2008	Collar Survey:	N	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	169.00
Date Completed:	Oct 06, 2008	Multishot Survey:	N	Hole Size:		Core Storage:	Mine Site		
Logged By:	Richard Lumb/Mike Koziol	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments: Test Empress Structure on L2+00E

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
38.00	323.20	-50.10	ezShot	OK		**100.00**	325.50	-49.20	ezShot	OK	
170.00	326.40	-49.00	ezShot	OK							

Detailed Lithology

From	To	Lithology	Assay Data: Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
0	18.50	**OB, Overburden**										
18.50	18.75	**1a$, mafic schist** Biotite schist, possible boulder										
18.75	19.05	**8c, granite**										
19.05	20.60	**5bc, chert**										
20.60	25.50	**6aa, lamprophyre** Dyke, dark grey and black, cuts cherty sedimentary sequence, near top of hole core is blocky, badly broken and exact width of dyke is not certain										

Hole Number: **EMP08-02**

Units: METRIC

Detailed Lithology

From	To	Lithology
25.50	30.20	**5bc, chert** Dark grey laminated sequence with cherty lamina, locally sericitized and silicified, pyrite occurs locally disseminated along foliation as well as thin discontinuous stringers, average 3% py for the interal **Alteration** 25.500 - 30.200 :Alteration Type: Biotite, Alteration Intensity: Moderate, Alteration Style: Patchy 25.500 - 30.200 :Alteration Type: Sericitized, Alteration Intensity: Moderate, Alteration Style: Selective 25.500 - 30.200 :Alteration Type: Silicified, Alteration Intensity: Moderate, Alteration Style: Patchy **Structure** 30.000 - 30.200 : Structure: LAM, Core Axis: 70.0 lamminations/bedding **Mineralization** 25.500 - 30.200 : , Py: 3.0, Style: Disseminated mainly disseminated, locally as fine stringers along lamina
30.20	83.60	**6b, gabbro** Fine grained, massive rock that has been foliated at 45 to CA,locally contains patches of calcite alteration occurring parallel to foliation, may be coarser grained massive flow sequence? Contact with underlyin sequence is uneven and chilled. **Structure** 56.000 - 56.100 : Structure: FOL, Core Axis: 50.0 81.000 - 81.500 : Structure: FOL, Core Axis: 35.0 local brown biotite alteration near calcite altered bands, both alterations occur parralel to foliation

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
689609	26.50	28.00	1.50	0.0110		0.5000	139.0000	32.0000	0.5000
689610	28.00	29.00	1.00	0.0090		0.5000	161.0000	54.0000	0.5000
689611	29.00	30.20	1.20	0.0100		0.5000	313.0000	84.0000	0.5000

Hole Number: **EMP08-02**

Units: METRIC

Detailed Lithology			Assay Data								
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
83.60	89.50	**5bc, chert** interval is a mixture of fine clastic brown and black biotite rich sediments and mafic tuff interlayered with chert beds. Chert beds are up to 1.5 cm wide. Interval contains 5% sulphides scattered throughout mainly as stringers overprinting the bedding, interval is cut by few <10cm wide fine grained gabbro? dykes at 90 to CA **Alteration** 83.600 - 85.500 :Alteration Type: Biotite, Alteration Intensity: Moderate, Alteration Style: Pervasive brown biotite 83.600 - 85.500 :Alteration Type: Calcite, Alteration Intensity: Weak, Alteration Style: Patchy 83.600 - 85.500 :Alteration Type: Silicified, Alteration Intensity: Moderate, Alteration Style: Selective 85.500 - 89.500 :Alteration Type: Chloritized, Alteration Intensity: Moderate, Alteration Style: Pervasive 85.500 - 89.500 :Alteration Type: Biotite, Alteration Intensity: Moderate, Alteration Style: Pervasive black biotite 85.500 - 89.500 :Alteration Type: Silicified, Alteration Intensity: Moderate, Alteration Style: Selective as silica flooding and "pseudo veins" **Structure** 83.600 - 83.650 : Structure: FOL, Core Axis: 30.0 contact with underlying sedimentary sequence is uneven and chilled 84.000 - 85.000 : Structure: BD, Core Axis: 70.0 85.000 - 86.000 : Structure: BD, Core Axis: 60.0 89.000 - 89.500 : Structure: BD, Core Axis: 45.0 cherty beds **Mineralization** 83.600 - 89.500 : , Cp: .1, Py: 3.0, Po: 2.9, Style: Stringers stringers overprinting bedding and locally finely disseminated sub-parallel bedding	689612	83.60	84.50	0.90	0.0090		0.5000	134.0000	65.0000	0.5000
			689613	84.50	85.50	1.00	0.0110		0.5000	1178.0000	183.0000	0.5000
			689614	85.50	86.50	1.00	0.0110		2.0000	147.0000	106.0000	0.5000
			689615	86.50	87.50	1.00	0.0120		2.0000	433.0000	103.0000	0.5000
			689616	87.50	88.50	1.00	0.0090		2.0000	227.0000	121.0000	0.5000
			689617	88.50	89.50	1.00	0.0025		2.0000	110.0000	127.0000	0.5000
89.50	108.50	**1, mafic volcanics** Sequence on massive and amygduloidal flows, localy more massive and possible fine grained gabbro feeder dykes, locally sections more chlotitic and calcite bearing and may represent breaks between individual flows. At 96 to 97 m, rock is foliated and may be a mafic tuff layer. Occasional py along fractures. Lower 0.5m is a flow breccia. **Structure** 96.000 - 97.000 : Structure: FOL, Core Axis: 65.0 foliation may be tuff bedding	1137781	107.00	108.50	1.50	0.0070		0.5000	143.0000	66.0000	0.5000

Hole Number: **EMP08-02**

Units: METRIC

Detailed Lithology

From	To	Lithology
108.50	113.00	**15, Mineralized Zone** Zone is made up of narrow qtz veins, up to 40 cm that are mineralized with mainly galena, pyrite and chalcopyrite. host to veins is altered and sheared sericite-biotite-chlorite-fuchsite altered sediment that also contains 1 to 3% fine disseminated and stringer py and minor cp. Vein contacts are at 70 to 80 to CA and paralel to foliaton. Sulphides in veins make up 5% **Alteration** 108.500 - 113.000 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Selective mainly as quartz veins 108.500 - 113.000 :Alteration Type: Sericitized, Alteration Intensity: Strong, Alteration Style: Selective along fractures in wall rock and veins, locally get patches of "chamois" coloured sericite 108.500 - 113.000 :Alteration Type: Chloritized, Alteration Intensity: Moderate, Alteration Style: Selective along foliation 108.500 - 113.000 :Alteration Type: Biotite, Alteration Intensity: Moderate, Alteration Style: Selective brown biotite more limited to original rock composition 109.000 - 109.500 :Alteration Type: Fuchsite, Alteration Intensity: Moderate, Alteration Style: Patchy localized to near conacts with qtz veins 109.500 - 117.400 :Alteration Type: Chloritized, Alteration Intensity: Weak, Alteration Style: Pervasive along foliation **Structure** 108.500 - 108.510 : Structure: CNT, Core Axis: 50.0 contact with flows and sediments **Mineralization** 108.500 - 113.000 : , Cp: 1.0, Py: 2.0, Gn: 2.0, Style: Disseminated/Blebby blebs up to .7 cm disseminated throuhout the veins and host rock, gn limited to veins **Veining** 108.500 - 113.000 :% Veining: 40, Cal: 5, QTZ: 95, Vein Type: Mass massive veins up to 40 cm wide and pieces/pods of vein material

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
689618	108.50	109.00	0.50	0.1750	0.1720	0.5000	175.0000	142.0000	3.0000
689619	109.00	109.80	0.80	0.2420	0.3400	8.0000	933.0000	1165.0000	609.0000
689620	109.80	110.30	0.50	2.0390	2.0510	3.0000	651.0000	113.0000	25.0000
689621	110.30	110.80	0.50	0.1590	0.1640	0.5000	48.0000	15.0000	0.5000
689622	110.80	111.40	0.60	0.0200		0.5000	77.0000	10.0000	1.0000
689623	111.40	112.20	0.80	0.0960		0.5000	312.0000	31.0000	3.0000
689624	112.20	113.00	0.80	0.0150		0.5000	1872.0000	230.0000	3.0000

Hole Number: **EMP08-02**

Units: METRIC

Detailed Lithology			Assay Data								
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
113.00	117.40	**5ac, siltstone** interbedded siltone and argillite beds, argillite is locally strongly biotitic, possible graphite or fine black chlorite, two narrow, 10 cm wide, qtz veins in interval, 1 to 3% diseminated py and minor cp as stringers, towards bottom unit contains broken chert beds **Structure** 113.000 - 113.020 : Structure: FOL, Core Axis: 50.0 113.500 - 113.600 : Structure: SHR, Core Axis: 50.0 biotite along shear sufaces wrapping around broken rock **Mineralization** 113.000 - 117.400 : , Py: 2.0, Style: Stringers stringers and finely disseminated but localized to argillite beds **Veining** 113.000 - 117.400 :% Veining: 3, QTZ: 95, Vein Type: Mass one of he veins contains small bleb of sphalerite	689626	113.00	114.00	1.00	0.0360		0.5000	2651.0000	307.0000	4.0000
			689627	114.00	115.00	1.00	0.0380		0.5000	1419.0000	233.0000	4.0000
			689628	115.00	116.00	1.00	0.0110		0.5000	314.0000	69.0000	0.5000
			689629	116.00	117.00	1.00	0.0140		0.5000	1247.0000	129.0000	2.0000
			689630	117.00	118.00	1.00	0.0150		0.5000	1006.0000	84.0000	1.0000
117.40	118.00	**FZ, fault zone** Gouge zone fault appears to be in chert beds **Alteration** 117.400 - 122.500 :Alteration Type: Chloritized, Alteration Intensity: Weak, Alteration Style: Pervasive along foliation 117.400 - 122.500 :Alteration Type: Sericitized, Alteration Intensity: Weak, Alteration Style: Selective along foliation of certain beds **Structure** 117.400 - 118.000 : Structure: FLTZ, Core Axis: 85.0 contorted and folded, brittle/ductile fault **Mineralization** 117.400 - 122.500 : , Py: 1.0, Style: Stringers more localized and decreases towards bottom of hole										
118.00	122.50	**5ac, siltstone** same unit as above fault, sulphide content decreases to 1% over the entire unit **Structure** 119.000 - 119.100 : Structure: FOL, Core Axis: 60.0 foliation appears to follow bedding 119.100 - 122.500 : Structure: FOL, Core Axis: 60.0	689631	118.00	119.00	1.00	0.0100		0.5000	315.0000	76.0000	0.5000
			689632	119.00	120.00	1.00	0.0060		0.5000	85.0000	32.0000	3.0000
			689633	120.00	121.00	1.00	0.0200		0.5000	2311.0000	141.0000	3.0000
			689634	121.00	122.00	1.00	0.0120		0.5000	1178.0000	159.0000	2.0000
122.50	131.00	**1, mafic volcanics** mafic flows, locally narow intervals of inter-flow sediments **Structure** 122.500 - 122.510 : Structure: CNT, Core Axis: 60.0 contact with underlying flows										

Hole Number: **EMP08-02**

Units: METRIC

Detailed Lithology			Assay Data									
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
131.00	132.50	**5ac, siltstone** interbedded siltstone and argillite, minor py along some beds, locally upto 3%	1137782	131.00	132.50	1.50	0.0180		0.5000	1380.0000	123.0000	0.5000
132.50	168.99	**1, mafic volcanics** 149-163.5m sequence of mafic flows with associated flow breccias, loally brown botite-chlorite altered. 163.5-167.4 massive, fine grained flow or gabbro, 167.4-168.9 flow breccia, brown biotite alteration at several locations **Structure** 161.000 - 161.100 : Structure: FOL, Core Axis: 50.0	1137784	132.50	133.50	1.00	0.1640		0.5000	1508.0000	342.0000	0.5000
			1137785	149.00	150.50	1.50	0.0060		7.0000	136.0000	56.0000	0.5000
			1137786	150.50	152.00	1.50	0.0025		0.5000	104.0000	118.0000	0.5000
			1137787	152.00	153.50	1.50	0.0025		2.0000	143.0000	88.0000	0.5000
			1137788	153.50	155.00	1.50	0.0025		3.0000	146.0000	71.0000	0.5000
			1137789	155.00	156.50	1.50	0.0025		6.0000	144.0000	51.0000	0.5000
			1137790	156.50	158.00	1.50	0.0025		7.0000	141.0000	123.0000	0.5000
			1137791	158.00	159.50	1.50	0.0070		0.5000	140.0000	117.0000	0.5000
			1137792	159.50	161.00	1.50	0.0025		3.0000	121.0000	40.0000	0.5000
			1137793	161.00	162.50	1.50	0.0100		0.5000	115.0000	80.0000	0.5000
			1137794	162.50	163.50	1.00	0.0060		2.0000	134.0000	77.0000	0.5000
			1137795	163.50	164.60	1.10	0.0050		0.5000	147.0000	17.0000	0.5000
			1137796	164.60	165.60	1.00	0.0080		3.0000	172.0000	14.0000	0.5000
			1137797	165.60	166.60	1.00	0.0025		0.5000	154.0000	0.5000	0.5000
			1137798	166.60	167.40	0.80	0.0025		1.0000	87.0000	72.0000	0.5000
			1137799	167.40	168.90	1.50	0.0025		7.0000	138.0000	130.0000	0.5000
168.99	169.00	**EOH, end of hole**										

APPENDIX B

Gold Assays and ICP Certificates

ACCURASSAY LABORATORIES
1046 Gorham Street
Thunder Bay, ON
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Tel: (807) 626-1630
Fax: (807) 622-7571
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Tuesday, June 12, 2012

Certificate of Analysis

Alto Ventures Ltd.
Unit #8, 1351D Kelly Lake Rd.
Sudbury, ON, CAN
P3E5P5
Ph#: (705) 522-6372
Fax#: (705) 522-8856
Email: koziol@altoventures.com

Date Received: 05/29/2012
Date Completed: 06/12/2012
Job #: 201241817
Reference:
Sample #: 52

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
150915	1137751	76	0.002	0.076
150916	1137752	9	<0.001	0.009
150917	1137753	13	<0.001	0.013
150918	1137754	10	<0.001	0.010
150919	1137755	10	<0.001	0.010
150920	1137756	8	<0.001	0.008
150921	1137757	10	<0.001	0.010
150922	1137758	7	<0.001	0.007
150923	1137759	<5	<0.001	<0.005
150924	1137760	6	<0.001	0.006
150925 Dup	1137760	11	<0.001	0.011
150926	1137761	13	<0.001	0.013
150927	1137762	8	<0.001	0.008
150928	1137763	10	<0.001	0.010
150929	1137764	<5	<0.001	<0.005
150930	1137765	17	<0.001	0.017
150931	1137766	142	0.004	0.142
150932	1137767	10	<0.001	0.010
150933	1137768	<5	<0.001	<0.005
150934	1137769	<5	<0.001	<0.005
150935	1137770	<5	<0.001	<0.005
150936 Dup	1137770	<5	<0.001	<0.005
150937	1137771	<5	<0.001	<0.005
150938	1137772	5	<0.001	0.005
150939	1137773	5	<0.001	0.005
150940	1137774	<5	<0.001	<0.005
150941	1137775	1221	0.036	1.221
150942	1137776	9	<0.001	0.009
150943	1137777	11	<0.001	0.011
150944	1137778	27	<0.001	0.027

PROCEDURE CODES: ALP1, ALFA1, ALMA1

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

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Date Received: 05/29/2012
Date Completed: 06/12/2012
Job #: 201241817
Reference:
Sample #: 52

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
150945	1137779	6	<0.001	0.006
150946	1137780	8	<0.001	0.008
150947 Dup	1137780	7	<0.001	0.007
150948	1137781	7	<0.001	0.007
150949	1137782	18	<0.001	0.018
150950	1137783	6	<0.001	0.006
150951	1137784	164	0.005	0.164
150952	1137785	6	<0.001	0.006
150953	1137786	<5	<0.001	<0.005
150954	1137787	<5	<0.001	<0.005
150955	1137788	<5	<0.001	<0.005
150956	1137789	<5	<0.001	<0.005
150957	1137790	<5	<0.001	<0.005
150958 Dup	1137790	<5	<0.001	<0.005
150959	1137791	7	<0.001	0.007
150960	1137792	<5	<0.001	<0.005
150961	1137793	10	<0.001	0.010
150962	1137794	6	<0.001	0.006
150963	1137795	5	<0.001	0.005
150964	1137796	8	<0.001	0.008
150965	1137797	<5	<0.001	<0.005
150966	1137798	<5	<0.001	<0.005
150967	1137799	<5	<0.001	<0.005
150968	1137800	1238	0.036	1.238
150969 Dup	1137800	Insufficient Sample		
150970	1137728	15	<0.001	0.015
150971	1137729	2065	0.060	2.065

PROCEDURE CODES: ALP1, ALFA1, ALMA1

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

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Date Received: 05/29/2012
Date Completed: 06/12/2012
Job #: 201241817
Reference:
Sample #: 52

Acc #	Client ID	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
150915	1137751	<1	8.91	<2	384	2	22	0.97	<4	5	36	25	2.07	0.27	20	0.71	182	<1	30	204	<1	6	<5	<10	110	1121	<2	18	<10	18	195
150916	1137752	<1	7.62	4	242	2	21	2.53	<4	13	57	54	4.05	0.15	32	1.49	490	<1	62	467	<1	<5	<5	<10	97	1395	5	58	<10	19	356
150917	1137753	<1	9.16	13	455	2	18	2.55	<4	25	50	61	4.59	0.27	33	1.41	536	<1	66	1012	<1	<5	<5	<10	73	2356	6	76	10	22	565
150918	1137754	<1	9.35	5	535	2	19	2.15	<4	22	59	44	4.78	0.45	37	2.02	605	<1	51	794	<1	6	<5	<10	107	3920	10	103	<10	20	103
150919	1137755	2	9.79	<2	177	2	12	8.12	<4	50	145	47	9.21	0.53	15	2.25	1596	<1	67	1564	<1	7	<5	<10	237	11449	6	300	<10	32	130
150920	1137756	<1	>10.00	<2	166	2	18	7.02	<4	46	126	52	8.65	0.61	19	1.14	1563	<1	88	1418	<1	6	<5	<10	235	8862	3	258	<10	28	137
150921	1137757	<1	9.26	4	140	2	8	7.91	<4	55	114	64	8.98	0.43	9	1.32	1596	<1	96	1457	<1	<5	<5	<10	230	9973	4	261	<10	28	146
150922	1137758	2	7.65	3	112	<2	15	7.29	<4	53	107	65	8.81	0.31	10	1.60	1504	<1	102	1369	<1	<5	<5	<10	183	10111	6	247	<10	25	152
150923	1137759	4	8.15	<2	215	2	13	8.78	<4	62	187	103	9.58	0.28	20	2.72	1656	<1	176	1884	<1	6	<5	<10	344	9966	8	274	<10	27	149
150924	1137760	<1	7.31	<2	420	2	20	3.30	<4	29	62	140	4.57	0.20	20	0.93	711	<1	76	577	<1	<5	<5	<10	147	3419	7	81	14	20	1046
150925D	1137760	<1	7.41	<2	417	2	7	3.26	<4	28	57	136	4.46	0.19	20	0.91	698	<1	70	567	<1	<5	<5	<10	145	3362	2	79	13	20	1029
150926	1137761	<1	6.51	5	429	2	17	3.62	<4	38	57	263	6.12	0.18	27	0.93	656	<1	88	680	<1	<5	<5	<10	78	1269	<2	107	16	21	1018
150927	1137762	<1	6.67	4	402	2	17	6.30	<4	25	368	48	3.87	0.16	23	2.44	783	<1	138	1073	<1	<5	<5	<10	306	963	<2	111	<10	14	115
150928	1137763	<1	7.97	<2	828	2	22	5.76	<4	22	342	21	3.76	0.19	27	2.41	633	<1	134	708	<1	5	<5	<10	373	761	9	96	<10	12	86
150929	1137764	<1	7.88	2	514	2	26	4.27	<4	25	340	49	4.01	0.10	41	2.85	546	<1	134	689	<1	<5	<5	<10	267	767	3	99	<10	11	53
150930	1137765	<1	6.71	<2	494	2	15	3.76	<4	20	224	63	3.83	0.32	19	1.34	521	<1	109	468	<1	6	<5	<10	181	818	<2	72	<10	12	210
150931	1137766	<1	8.52	6	342	2	<1	2.50	<4	8	38	38	1.80	0.44	12	0.31	327	5	49	166	5	<5	<5	<10	94	1191	<2	20	<10	21	252
150932	1137767	2	>10.00	6	280	2	14	8.94	<4	52	69	64	9.23	0.52	17	1.29	1660	3	98	1600	3	<5	<5	<10	372	9435	5	311	<10	41	170
150933	1137768	3	>10.00	<2	126	2	12	9.31	<4	57	60	61	9.50	0.60	9	1.24	1706	<1	102	1447	<1	5	<5	<10	215	11290	4	307	<10	38	164
150934	1137769	<1	8.35	<2	195	2	15	9.56	<4	50	54	38	9.21	0.52	20	1.76	1675	<1	96	1368	<1	<5	<5	<10	205	7980	2	291	<10	37	150

PROCEDURE CODES: ALP1, ALFA1, ALMA1

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Thursday, June 21, 2012

Certificate of Analysis

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Ph#: (705) 522-6372
Fax#: (705) 522-8856
Email: koziol@altoventures.com

Date Received: 05/29/2012
Date Completed: 06/12/2012
Job #: 201241817
Reference:
Sample #: 52

Acc #	Client ID	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
150935	1137770	2	8.53	<2	175	2	19	8.82	<4	57	50	67	9.34	0.22	13	1.37	1750	<1	95	1620	<1	5	<5	<10	156	10698	4	314	<10	41	177
150936D	1137770	2	8.07	6	168	2	10	8.78	<4	58	47	66	9.29	0.35	12	1.37	1750	<1	90	1603	<1	7	<5	<10	155	10551	4	312	<10	40	176
150937	1137771	5	8.10	<2	182	2	19	8.07	<4	52	45	65	9.09	0.33	17	1.64	1446	<1	88	1484	<1	<5	<5	<10	184	7585	4	292	<10	37	201
150938	1137772	<1	8.80	6	262	2	16	7.65	<4	46	121	59	8.09	0.37	22	2.19	1326	<1	97	1305	<1	5	<5	<10	358	7853	6	249	<10	31	134
150939	1137773	<1	7.73	<2	516	2	27	4.17	<4	26	330	49	3.79	0.23	17	2.81	640	<1	131	715	<1	<5	<5	<10	495	2237	8	101	<10	12	47
150940	1137774	<1	6.91	2	443	2	15	5.10	<4	32	276	49	5.25	0.24	20	2.70	905	<1	122	928	<1	7	<5	<10	337	3846	8	149	<10	18	83
150941	1137775	<1	3.78	219	149	2	18	>10.00	<4	3	47	73	2.55	0.34	13	2.94	1608	44	77	1026	44	13	<5	<10	198	502	12	307	23	23	347
150942	1137776	3	8.27	2	240	2	31	7.99	<4	57	54	52	9.83	0.42	13	2.19	1674	<1	110	1491	<1	<5	<5	<10	199	10073	6	304	<10	38	140
150943	1137777	<1	8.69	<2	250	2	14	7.96	<4	59	46	84	9.49	0.35	15	2.46	1518	<1	97	1499	<1	<5	<5	<10	225	11126	5	311	<10	40	148
150944	1137778	<1	5.69	4	473	<2	15	1.43	4	28	55	227	3.79	0.29	13	0.68	281	<1	74	240	<1	5	<5	<10	70	1389	<2	42	15	16	1101
150945	1137779	5	7.87	<2	393	2	9	5.74	<4	44	128	130	7.54	0.36	15	1.51	1031	<1	121	1234	<1	<5	<5	<10	245	6543	6	237	<10	24	502
150946	1137780	<1	8.20	2	792	2	18	3.93	<4	26	379	13	4.33	0.23	28	3.14	757	<1	140	770	<1	5	<5	<10	342	3010	5	112	<10	12	117
150947D	1137780	<1	8.88	<2	816	2	18	4.04	<4	26	389	13	4.40	0.29	30	3.18	769	<1	143	786	<1	8	<5	<10	349	3122	8	114	<10	12	113
150948	1137781	<1	7.99	3	197	2	24	7.20	<4	41	124	66	9.10	0.47	24	2.30	1459	<1	93	1645	<1	6	<5	<10	204	2478	<2	199	<10	29	143
150949	1137782	<1	5.35	2	322	<2	2	1.86	4	32	35	123	4.77	0.37	17	0.79	618	<1	97	358	<1	<5	<5	<10	41	1696	<2	61	18	26	1380
150950	1137783	2	3.43	2	174	<2	<1	>10.00	<4	1	14	4	0.34	0.44	7	1.28	112	<1	11	125	<1	6	<5	<10	93	477	8	6	<10	8	<1
150951	1137784	<1	6.51	5	310	2	9	2.59	5	25	46	342	5.08	0.32	20	0.99	565	<1	53	334	<1	<5	<5	<10	50	2311	2	65	19	36	1508
150952	1137785	7	8.80	<2	99	2	18	9.21	<4	67	138	56	10.63	0.03	11	2.08	2052	<1	150	1299	<1	5	<5	<10	160	13101	7	371	<10	23	136
150953	1137786	<1	8.90	<2	99	3	9	>10.00	<4	57	115	118	8.76	0.14	29	1.80	1800	<1	126	1288	<1	<5	<5	<10	197	9901	<2	350	<10	28	104
150954	1137787	2	8.00	<2	132	2	27	9.33	<4	63	123	88	11.01	0.29	15	2.64	2010	<1	136	1110	<1	5	<5	<10	135	9363	4	328	<10	21	143

PROCEDURE CODES: ALP1, ALFA1, ALMA1

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Date Received: 05/29/2012
Date Completed: 06/12/2012
Job #: 201241817
Reference:
Sample #: 52

Acc #	Client ID	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
150955	1137788	3	8.10	3	173	2	18	7.44	<4	62	128	71	10.50	0.27	22	2.57	1784	<1	136	1157	<1	6	<5	<10	142	8731	5	340	<10	21	146
150956	1137789	6	8.98	<2	155	2	12	7.77	<4	63	138	51	10.03	0.39	17	2.34	1762	<1	149	1244	<1	5	<5	<10	145	10367	13	363	<10	23	144
150957	1137790	7	7.40	<2	101	2	21	9.68	<4	66	128	123	11.03	0.17	13	2.40	1951	<1	140	1122	<1	7	<5	<10	117	9841	2	348	<10	20	141
150958D	1137790	<1	9.94	<2	157	2	17	9.58	<4	68	131	115	10.82	0.49	19	2.20	2037	1	132	1137	1	5	<5	<10	121	11851	4	344	<10	21	133
150959	1137791	<1	>10.00	5	172	2	23	8.08	<4	69	143	117	10.52	0.42	15	2.17	1927	<1	151	1232	<1	<5	<5	<10	139	12567	6	362	<10	23	140
150960	1137792	3	>10.00	2	187	2	14	7.32	<4	62	140	40	9.26	0.59	19	1.93	1729	<1	135	1201	<1	<5	<5	<10	150	11870	3	360	<10	23	121
150961	1137793	<1	>10.00	3	188	2	15	8.09	<4	60	134	80	8.90	0.61	17	1.91	1853	<1	121	1125	<1	5	<5	<10	124	11651	3	335	<10	22	115
150962	1137794	2	9.62	<2	104	2	9	8.20	<4	67	143	77	9.93	0.51	13	1.96	1939	<1	157	1217	<1	7	<5	<10	133	11237	5	359	<10	22	134
150963	1137795	<1	>10.00	<2	80	2	20	8.73	<4	65	141	17	10.22	0.40	9	2.32	1954	<1	152	1284	<1	5	<5	<10	157	12626	6	365	<10	23	147
150964	1137796	3	>10.00	7	85	2	19	8.82	<4	66	136	14	11.03	0.49	11	2.96	2013	<1	144	1332	<1	<5	<5	<10	148	12568	6	377	<10	24	172
150965	1137797	<1	9.73	4	77	2	19	8.27	<4	62	125	<1	9.96	0.43	10	3.11	1914	<1	129	1255	<1	<5	<5	<10	140	12734	9	358	<10	23	154
150966	1137798	1	9.80	<2	44	2	24	>10.00	<4	57	140	72	8.88	0.23	5	1.34	1766	<1	121	1321	<1	5	<5	<10	212	14325	6	370	<10	24	87
150967	1137799	7	8.54	2	47	2	11	>10.00	<4	73	146	130	10.12	0.22	4	1.50	2121	<1	181	1406	<1	<5	<5	<10	149	14364	3	379	<10	25	138
150968	1137800	<1	4.15	230	159	2	19	>10.00	<4	4	49	75	2.65	0.68	14	3.02	1664	47	77	1053	47	13	<5	<10	204	604	27	319	27	24	356
150969D	1137800															IS															
150970	1137728	2	>10.00	<2	99	2	25	8.10	4	8	60	107	12.10	0.56	12	0.87	974	4	40	666	4	<5	<5	<10	972	1265	3	97	<10	11	55
150971	1137729	12	6.31	293	104	<2	11	7.52	22	20	107	605	7.18	0.46	21	1.80	3339	3	97	362	3	6	<5	<10	89	494	13	60	18	10	1406

PROCEDURE CODES: ALP1, ALFA1, ALMA1

Certified By:

The results included on this report relate only to the items tested.
The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.
The results generated by this procedure are not accredited at this time and therefore are informational only.

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