ALTO VENTURES LTD.
2008 DIAMOND DRILLING PROGRAM
EMPRESS PROJECT
SYINE TOWNSHIP
NORTHWESTERN ONTARIO
NTS 42D/15

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

December 31, 2008

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.

A two hole, 332m diamond drilling program was completed in October 2008 to test the Empress Structure, a major northeast trending shear zone that has been traced for more than 1.6 km east of the former Empress Mine. Each of the drill holes intersected quartz veining associated with sheared, altered and sulphide mineralized metasedimentary rocks. Anomalous gold was obtained from each of the drill holes, up to 0.66 g/t Au across 2.3 m in EMP08-02 including 2.04 g/t Au across 0.5m. The drilling confirmed the continuation of the gold mineralized structure to depth at the locations tested.

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

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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 fairly accentuated, 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 visible from Highway 17. These topographic features do 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.

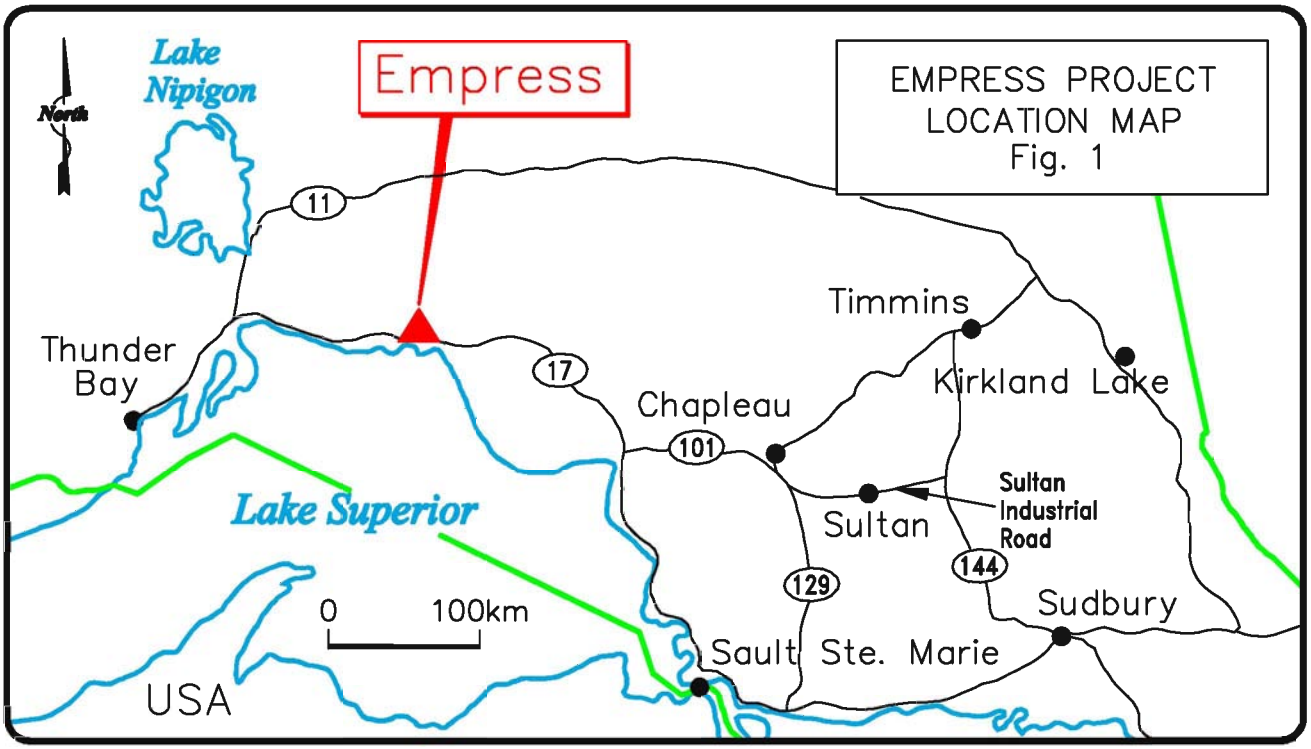
There is a moderate amount of outcrop on the property, but exposure is commonly masked by the undergrowth and by a cover of moss and detrital material.

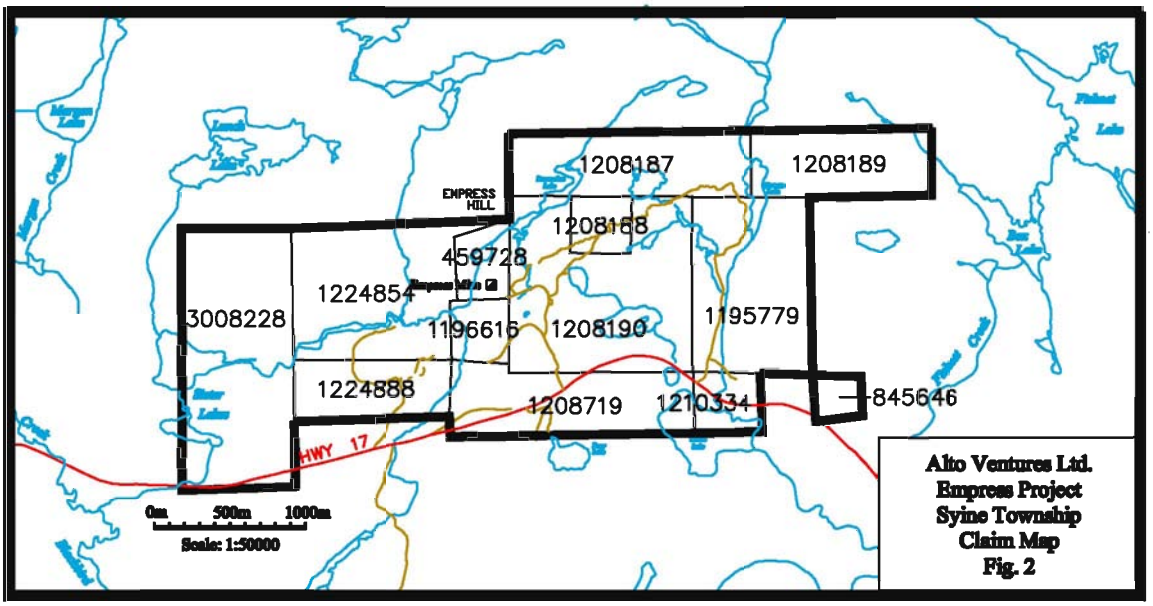
1.3 Cultural Features

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.


Lake Nipigon
North
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


1208187
1208189
EMPRESS HILL
1208168
459728
1224854
3008228
1196616
1208190
1195779
1224888
1208719
1210334
845646
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 have 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 including line cutting and geological mapping. 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).

2.0 THE 2008 DIAMOND DRILLING PROGRAM

2.1 Objectives

The objectives of the Alto 2008 program were to drill the Empress Structure on lines 1+00E and 2+00E to undercut the mineralization found in surface trenches and intersected in previous drilling.

The Empress Structure is a zone of shearing and deformation that has been previously exposed by trenching and stripping at various locations for more than 1.6 km to the east of the former Empress Mine (Samson, 1999). The most sheared portion of the structure varies from less than 15 to 25 m in width, and strikes slightly oblique to stratigraphy, at 070° azimuth, dipping variably to the south from 90° to less than 50°. Host rocks to the Empress Structure are a sequence of fine grained to cherty metasedimentary rocks bound to the northwest and southeast by mafic flows and locally fine gabbroic intrusives (Koziol, 2007).

2.2 Logistics

The 2008 diamond drilling was carried out under contract to Cobra Diamond Drilling Ltd of Sudbury. The drill mobilized to the property on September 29 and demobilized on

October 6. Two NQ-size holes totaling 332 m were drilled. Field operations were supervised by Richard Lumb, Junior Geologist employed by Alto Ventures under the direction of Mike Koziol P. Geo.

The drill crews and Alto personnel were housed at the Red Dog Inn Hotel in Terrace Bay, approximately 14 km from the property. Access to Terrace Bay and to the property was gained by pick up trucks with 4 wheel drive capability. After the drilling was completed, the drill cores were transported to Alto's core logging and sampling facilities in Beardmore. The core was later logged and sampled in October and November by Richard Lumb and Mike Koziol. The NQ-size cores selected for analyses were sawed in half 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.

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. Any sample that returned >1 g/t gold was automatically re-sampled from the reject and re-sample assayed to confirm the gold content. The results reported represent the weighted average of all analyses performed on each sample. The samples were also tested for other using ICP scan methods. In total, 62 samples were analyzed for gold and other elements and 25 of the original sample rejects were re-analyzed for gold to check for "nugget effect".

A property visit was carried out in early September to spot drill collars for the current program and examine the terrain and determine what influence the rugged topography will have on locating specific drill holes for this and future drill campaigns. The topography is very rough and access for drilling the northeastern sections of the Empress Shear is best gained during the winter months along frozen swamps and creeks that trend sub-parallel to the Empress Structure.

2.3 Drill Hole Descriptions

EMP08-01

EMP08-01 intersected bedrock at 15.0 m. From 15.0 to 81.2 m the hole cut through a sequence of mafic volcanic flows, fine grained gabbro dykes and interflow sedimentary units. A sequence of interflow metasedimentary rocks was intersected from 81.2 to 104 m including finely bedded clastic beds interbedded with cherty units. The main mineralized zone was intersected from 104.0 to 124.46 and is made up of finely laminated cherty rocks interbedded with fine beds of clastic sedimentary rocks. On average this zone contains 5% pyrite mainly as fine disseminated crystals and locally as stringers and clusters of coarse pyrite occurring parallel to a foliation which ranges from 60°to 85°. Areas of most interest include three main veins occurring from 106.45 to

107.37 (Vein 1); 112.93 to 115.1 (Vein 2); and 115.76 to 116.9 (Vein 3). The areas between the larger veins include narrow (<10 cm wide) quartz veins and sections containing up to 10% pyrite. The section from 116.8 to 124.46 includes 20% quartz veining, mainly as narrow veins except from 122.28 to 122.61 m which includes 85% quartz vein material and 5% pyrite as massive clusters near the upper contact of the vein and as fine disseminated pyrite grains throughout the rest of the interval. Veins also contain inclusions of fine black biotite and carbonate. A fault gouge zone was intersected from 124.46 to 124.83 m. From 124.83 the hole remained in mainly mafic flows to 163 m where it was terminated.

Vein 1 includes pyrite, chalcopyrite and galena all occurring as clusters focused along fractures in the vein. Locally the vein is vuggy with fine galena and pyrite occurring in the vugs. Vein 2 is a composite vein made up of a massive white quartz that is intruded by coarser pegmatitic quartz veins; the widest pegmatitic vein is 0.6m wide. Vein 2 is mostly barren of sulphide mineralization except for few clusters of chalcopyrite and pyrite in the massive white quartz which forms only 30% of this interval.

Vein 2 and Vein 3 are separated by silicified (chert) finely banded rock containing 5% fine disseminated pyrite and 10% quartz veining with pyrite clusters in the quartz veins.

Vein 3 is a massive white quartz vein with few clusters of chalcopyrite and pyrite including a 2 cm band in the centre of the vein that contains 5% chalcopyrite and 5% pyrite.

Anomalous gold values were obtained in both the quartz veins and the altered and sulphide mineralized metasedimentary rocks that host the veins. Some of these anomalous areas include 0.49 g/t Au across 1.0 m from 106.35 to 107.35m; 0.46 g/t Au across 0.95m from 111.35 to 112.3m; and 0.21 g/t Au across 2.1m from 119.5 to 121.6m.

EMP08-02

EMP08-02 intersected bedrock at 18.5 m. From 18.5 to 29.0 m the rock is very blocky, sheared and weathered and it was necessary to ream casing to that depth. A sequence of mafic flows interbedded with metasedimentary rocks was intersected from 18.5 to 108.5 m. This sequence is intruded by several fine grained gabbroic units.

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.

The interval from 113.0 to 122.5 m is dominated by bedded clastic sedimemtary rocks and mafic flows are dominant from 122.5 to 169 m. The hole ends at 169 m. A fault

gouge zone occurs from 117.4 to 118.0 m.

Anomalous gold occurs 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.

3.0 CONCLUSIONS

Two diamond drill holes totaling 332 m of drilling were completed to test the Empress Structure on Alto's lines 1+00E and 2+00E, east of the former Empress Mine. Each of the drill holes intersected quartz veining associated with sheared, altered and sulphide mineralized metasedimentary rocks. Anomalous gold was obtained from each of the drill holes up to 0.66 g/t Au across 2.3 m in EMP08-02 including 2.04 g/t Au across 0.5m.

The drilling confirmed the continuation of the gold mineralized structure to depth at the locations tested.

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 on lines 6+00E and 9+00E where previous trenching confirmed that the Empress Structure is wide and highly anomalous in gold.

5.0 REFERENCES

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 CEO by 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 31st day of December, 2008

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: UTM83-17	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	Pulse EM Survey: N	Casing: Left in Hole				

Comments: Test Empress Structure on Line 1+00E

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**										
21.50	22.10	**11c, chlorite schist**										
22.10	26.20	**5bc, chert**										
26.20	70.00	**1, mafic volcanics**										
70.00	71.40	**2, intermediate rocks** Sheared intermediate volcanics **Structure** 70.000 - 71.400 : Structure: FOL, Core Axis: 68 70.000 - 124.830 : Structure: SHR, Core Axis: 70 Sheared sediments with quartz veining										
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**	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
		Structure 82.000 - 83.000 : Structure: FOL, Core Axis: 50 **Mineralization** 82.000 - 82.250 : , Py: 2.0, Style: Stringers										
82.70	83.40	**11c, chlorite schist**	689577	82.80	83.40	0.60	0.0050		0.5000	101.0000	8.0000	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
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**										
92.25	93.75	**5bc, chert**										
93.75	104.05	**5, sediment** **Structure** 93.750 - 104.050 : Structure: FOL, Core Axis: 65										
104.05	106.45	**5bc, chert** very fine chery siltstone, finely laminated **Structure** 104.050 - 106.450 : Structure: FOL, Core Axis: 70 **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	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
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	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

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
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**										
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

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
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 **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
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**										
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: UTM83-17	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 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 81.000 - 81.500 : Structure: FOL, Core Axis: 35 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

From	To	Lithology
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 contact with underlying sedimentary sequence is uneven and chilled 84.000 - 85.000 : Structure: BD, Core Axis: 70 85.000 - 86.000 : Structure: BD, Core Axis: 60 89.000 - 89.500 : Structure: BD, Core Axis: 45 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
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 foliation may be tuff bedding

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
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

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 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: 50 113.500 - 113.600 : Structure: SHR, Core Axis: 50 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 contorted and folded, brittle/ductile fault **Mineralization** 117.400 - 122.500 : , Py: 1.0, Style: Stringers more localized and decreases towards bottom of hole											

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
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 foliation appears to follow bedding 119.100 - 122.500 : Structure: FOL, Core Axis: 60	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 contact with underlying flows										
131.00	132.50	**5ac, siltstone** interbedded siltstone and argillite, minor py along some beds.										
132.50	168.99	**1, mafic volcanics** sequence of mafic flows with associated flow breccias, loally brown botite-chlorite altered. **Structure** 161.000 - 161.100 : Structure: FOL, Core Axis: 50										
168.99	169.00	**EOH, end of hole**										

APPENDIX B

Gold Assays and ICP Certificates

ACCURASSAY LABORATORIES
1046 Gorham Street
Thunder Bay, ON
Canada P7B 5X5
Tel: (807) 626-1630
Fax: (807) 622-7571
www.accurassay.com
assay@accurassay.com

Empress

Certificate of Analysis

Friday, November 28, 2008

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: Nov 6, 2008
Date Completed: Nov 20, 2008

Job #: 200844194
Reference:
Sample #: 62 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
346220	689573	11										
346221	689574	15										
346222	689575	3655										
346223	689576	19										
346224	689577	5										
346225	689578	8										
346226	689579	6										
346227	689580	14										
346228	689581	15										
346229	689582	66										
346230 Dup	689582	92										
346231	689583	477										
346232	689584	74										
346233	689585	59										
346234	689586	40										
346235	689587	37										
346236	689588	105										
346237	689589	933										
346238	689590	110										
346239	689591	14										
346240	689592	68										
346241 Dup	689592	37										
346242	689593	106										
346243	689594	80										

PROCEDURE CODES: AL4AU3, AL4ICPAR

Certified By:

Jason Moore, General Manager

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Date Completed: Nov 20, 2008

Job #: 200844194
Reference:
Sample #: 62 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
346244	689595	8										
346245	689596	86										
346246	689597	47										
346247	689598	37										
346248	689599	9										
346249	689600	1736						8429				
346250	689601	410										
346251	689602	90										
346252 Dup	689602	101										
346253	689603	116										
346254	689604	55										
346255	689605	52										
346256	689606	50										
346257	689607	27										
346258	689608	29										
346259	689609	11										
346260	689610	9										
346261	689611	10										
346262	689612	7										
346263 Dup	689612	9										
346264	689613	11										
346265	689614	11										
346266	689615	12										
346267	689616	9										

PROCEDURE CODES: AL4AU3, AL4ICPAR

Certified By:

Jason Moore, General Manager

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Date Received: Nov 6, 2008
Date Completed: Nov 20, 2008

Job #: 200844194
Reference:
Sample #: 62 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
346268	689617	<5										
346269	689618	175										
346270	689619	242										
346271	689620	2039										
346272	689621	159										
346273	689622	21										
346274 Dup	689622	20										
346275	689623	96										
346276	689624	15										
346277	689625	636										
346278	689626	36										
346279	689627	38										
346280	689628	11										
346281	689629	14										
346282	689630	15										
346283	689631	10										
346284	689632	6										
346285 Rep	689632	6										
346286	689633	20										
346287	689634	12										

PROCEDURE CODES: AL4AU3, AL4ICPAR

Certified By:

Jason Moore, General Manager

AL917-0519-11/28/2008 8:53 AM

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Tel: (807) 626-1630
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www.accurassay.com
assay@accurassay.com

Alto Ventures Ltd.
Date Created: 08-11-26 11:39:33 AM
Job Number: 200844194
Date Received: Nov 6, 2008
Number of Samples: 62
Type of Sample: Core
Date Completed: Nov 20, 2008
Project ID:

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B 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	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
346220	689573	<1	3.68	<2	31	139	1	12	1.24	4	39	204	224	8.11	1.38	28	1.65	796	12	0.05	59	1866	<1	<5	<5	0.03	<10	18	3301	<1	121	<10	14	241
346221	689574	<1	1.76	2	27	51	<1	4	0.64	<4	32	262	289	4.75	0.26	13	0.78	484	10	0.05	51	479	<1	<5	<5	0.09	<10	13	577	<1	34	<10	12	581
346222	689575	2	1.56	4193	31	169	2	10	1.41	4	12	31	64	8.14	0.22	13	0.78	470	17	0.06	27	646	13	<5	<5	0.04	<10	142	687	<1	40	<10	5	57
346223	689576	<1	2.81	<2	29	143	<1	3	4.68	<4	25	390	8	3.74	0.92	28	2.46	810	<1	0.04	105	727	<1	<5	<5	0.06	<10	66	914	<1	76	<10	7	96
346224	689577	<1	2.80	<2	31	143	<1	4	4.70	<4	24	388	8	3.75	0.92	29	2.47	811	<1	0.04	106	734	<1	7	<5	0.06	<10	64	910	<1	77	<10	7	101
346225	689578	2	2.95	<2	29	250	1	9	2.50	<4	40	193	87	6.45	1.08	19	1.40	1006	10	0.03	76	1264	<1	5	<5	0.21	<10	28	2874	1	121	<10	10	137
346226	689579	<1	1.62	<2	28	41	<1	2	0.61	<4	20	253	172	4.24	0.30	12	0.67	480	11	0.02	27	355	<1	5	<5	0.09	<10	11	692	<1	8	<10	13	459
346227	689580	<1	1.50	<2	28	34	1	3	0.64	<4	27	206	201	4.34	0.23	13	0.56	419	9	0.02	35	432	<1	<5	<5	0.07	<10	16	557	<1	13	11	14	852
346228	689581	<1	1.88	3	27	47	1	3	1.17	5	37	252	304	5.33	0.30	18	0.78	510	10	0.02	48	693	<1	<5	<5	0.07	<10	15	1489	<1	46	16	12	1360
346229	689582	<1	1.03	6	26	56	<1	<1	2.71	<4	18	196	200	3.06	0.34	4	0.37	451	6	0.02	29	635	<1	<5	<5	0.04	<10	47	<100	<1	15	<10	9	790
346230	689582	<1	1.01	5	25	55	<1	2	2.71	<4	17	194	197	3.04	0.34	4	0.37	449	6	0.02	33	628	<1	<5	<5	0.04	<10	46	<100	<1	14	<10	8	793
346231	689583	25	0.49	11	39	212	<1	39	2.32	13	5	469	2296	2.46	0.05	7	0.19	236	8	0.02	28	116	3539	<5	<5	0.08	<10	64	<100	2	8	16	4	1396
346232	689584	<1	0.76	13	34	80	<1	3	3.08	8	25	209	204	2.72	0.33	5	0.18	403	9	0.03	33	310	14	<5	<5	0.05	<10	71	<100	<1	8	26	8	2214
346233	689585	<1	0.59	10	30	37	<1	3	2.50	6	25	216	153	2.45	0.26	5	0.13	349	6	0.02	31	456	<1	<5	<5	0.04	<10	43	<100	<1	6	24	7	1996
346234	689586	<1	0.91	4	31	56	<1	2	1.79	<4	22	200	105	2.56	0.33	7	0.26	301	8	0.03	25	173	<1	<5	<5	0.06	<10	27	<100	<1	4	<10	7	228
346235	689587	<1	0.68	<2	28	71	<1	<1	2.01	5	10	243	37	1.70	0.32	4	0.18	322	6	0.03	13	155	1	<5	<5	0.05	<10	62	<100	<1	4	<10	7	834
346236	689588	<1	0.73	12	27	58	<1	2	1.78	8	49	197	208	3.15	0.35	3	0.20	305	9	0.02	48	357	<1	<5	<5	0.05	<10	38	<100	<1	8	24	6	2101
346237	689589	<1	0.77	4	32	72	<1	<1	1.91	<4	18	364	79	2.32	0.23	5	0.43	390	11	0.03	34	315	1	<5	<5	0.05	<10	50	157	<1	19	<10	6	576
346238	689590	<1	0.91	<2	38	154	<1	6	3.50	<4	29	214	38	3.71	0.40	7	0.47	544	14	0.05	39	674	<1	<5	<5	0.07	<10	142	279	<1	28	<10	9	61
346239	689591	1	0.01	<2	41	62	<1	<1	>10.00	<4	<1	208	795	0.82	<0.01	<1	0.17	593	2	0.02	9	<100	7	6	<5	0.02	<10	1475	<100	<1	6	<10	16	15
346240	689592	1	0.31	<2	37	43	<1	<1	5.54	<4	14	380	213	1.69	0.07	3	0.17	349	14	0.05	20	146	2	6	<5	0.06	<10	472	<100	<1	7	<10	9	26
346241	689592	<1	0.30	<2	38	42	<1	<1	5.49	<4	14	378	207	1.70	0.07	3	0.17	345	14	0.05	19	144	2	6	<5	0.06	<10	466	<100	<1	7	<10	9	25

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Alto Ventures Ltd.
Date Created: 08-11-26 11:39:33 AM
Job Number: 200844194
Date Received: Nov 6, 2008
Number of Samples: 62
Type of Sample: Core
Date Completed: Nov 20, 2008
Project ID:

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346242	689593	<1	0.30	<2	36	42	<1	<1	5.53	<4	14	380	210	1.71	0.07	3	0.17	349	14	0.05	19	145	2	5	<5	0.06	<10	476	<100	<1	7	<10	9	27
346243	689594	2	0.10	<2	37	10	<1	<1	1.22	<4	5	871	414	1.29	0.02	1	0.04	169	9	0.04	27	<100	<1	7	<5	0.04	<10	76	<100	<1	<2	<10	2	16
346244	689595	1	0.03	<2	33	6	<1	<1	0.42	<4	1	710	43	0.78	<0.01	<1	0.01	<100	6	0.02	25	<100	<1	13	<5	0.03	<10	29	<100	<1	<2	<10	<1	61
346245	689596	<1	1.14	6	33	96	1	4	2.10	<4	31	332	91	4.06	0.30	8	0.55	370	14	0.04	40	432	<1	9	<5	0.04	<10	47	<100	<1	16	<10	6	92
346246	689597	<1	1.63	3	33	91	2	6	4.60	<4	22	370	51	4.07	0.26	12	0.87	665	8	0.02	48	635	<1	8	<5	0.04	<10	58	<100	<1	20	<10	9	230
346247	689598	<1	0.98	4	29	44	1	<1	1.81	5	30	281	190	3.53	0.29	7	0.37	315	13	0.02	43	429	<1	11	<5	0.03	<10	33	<100	<1	13	10	6	838
346248	689599	<1	2.29	2	33	79	<1	3	5.99	<4	25	314	63	3.42	0.69	25	1.97	771	1	0.04	88	674	1	8	<5	0.11	<10	89	705	1	45	<10	8	259
346249	689600	3	1.19	31	50	183	2	5	0.95	<4	21	74	>5,000	4.13	0.47	6	0.65	241	752	0.05	70	605	8	19	<5	0.05	<10	51	450	<1	37	11	9	77
346250	689601	<1	0.97	5	32	65	<1	4	2.70	7	37	157	245	4.58	0.30	9	0.56	507	20	0.02	47	506	<1	<5	<5	0.03	<10	52	347	<1	21	15	8	1226
346251	689602	<1	0.75	11	27	56	<1	2	3.79	7	36	177	240	3.72	0.34	4	0.21	632	10	0.02	51	585	1	<5	<5	0.04	<10	82	<100	<1	11	29	10	2470
346252	689602	<1	0.74	13	25	55	<1	3	3.82	7	37	173	236	3.74	0.33	4	0.21	634	10	0.02	51	586	<1	<5	<5	0.04	<10	82	<100	<1	11	30	10	2516
346253	689603	<1	0.86	<2	26	65	<1	3	2.89	9	25	176	144	3.00	0.35	6	0.26	584	7	0.02	35	580	<1	<5	<5	0.04	<10	63	<100	<1	12	39	9	3323
346254	689604	<1	1.37	<2	32	83	1	3	3.48	<4	19	155	69	3.90	0.41	11	0.62	710	7	0.03	28	789	<1	<5	<5	0.03	<10	80	437	<1	29	<10	11	337
346255	689605	<1	0.99	<2	26	51	1	4	2.70	8	67	325	381	3.82	0.21	9	0.39	537	9	0.02	43	525	<1	<5	<5	0.04	<10	48	<100	<1	12	15	11	1219
346256	689606	<1	1.05	<2	29	49	<1	4	3.00	9	37	179	857	3.84	0.25	6	0.39	514	9	0.02	55	588	2	10	<5	0.05	<10	48	<100	<1	10	27	10	2338
346257	689607	<1	1.31	<2	33	41	1	2	4.14	<4	23	229	183	4.28	0.24	6	0.47	699	8	0.02	42	593	2	16	<5	0.02	<10	76	<100	<1	23	11	12	898
346258	689608	<1	3.48	2	31	408	2	9	5.81	5	35	139	63	8.17	0.18	24	1.89	1168	13	0.03	62	1313	4	18	<5	0.03	<10	108	<100	2	99	<10	18	325
346259	689609	<1	1.34	<2	27	30	1	2	0.84	<4	7	290	32	2.75	0.44	16	0.78	228	7	0.02	12	207	<1	16	<5	0.04	<10	18	175	<1	9	<10	14	139
346260	689610	<1	1.74	<2	33	112	<1	4	3.20	<4	18	380	54	3.20	0.64	25	1.26	495	5	0.05	43	350	<1	10	<5	0.06	<10	42	498	<1	36	<10	11	161
346261	689611	<1	2.07	3	33	70	1	4	4.17	<4	24	193	84	3.74	0.82	29	1.73	603	5	0.03	39	677	<1	6	<5	0.06	<10	39	1070	4	49	<10	10	313
346262	689612	<1	0.93	<2	28	86	<1	3	1.31	<4	9	207	65	2.09	0.31	11	0.53	338	4	0.06	15	306	<1	<5	<5	0.04	<10	13	750	<1	18	<10	5	133
346263	689612	<1	0.93	<2	29	84	<1	<1	1.32	<4	10	209	65	2.10	0.31	11	0.54	339	4	0.06	17	307	<1	6	<5	0.05	<10	13	727	<1	17	<10	5	134

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Alto Ventures Ltd.
Date Created: 08-11-26 11:39:33 AM
Job Number: 200844194
Date Received: Nov 6, 2008
Number of Samples: 62
Type of Sample: Core
Date Completed: Nov 20, 2008
Project ID:

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346264	689613	<1	1.19	<2	28	117	<1	<1	1.81	<4	24	214	183	3.63	0.59	11	0.59	484	7	0.05	40	597	<1	<5	<5	0.04	<10	17	965	<1	28	14	8	1178
346265	689614	2	1.91	3	29	46	<1	3	3.13	<4	42	180	106	4.71	0.30	12	0.89	848	7	0.08	78	1789	<1	<5	<5	0.18	<10	24	3509	<1	102	<10	10	147
346266	689615	2	2.11	<2	31	133	1	3	3.26	<4	32	183	103	6.21	0.55	16	1.12	1070	10	0.07	52	1432	<1	6	<5	0.06	<10	32	1977	2	88	<10	13	433
346267	689616	2	2.32	<2	25	291	<1	5	2.29	<4	29	166	121	6.35	1.16	15	1.26	932	9	0.08	41	1387	<1	5	<5	0.06	<10	28	2244	<1	76	<10	15	227
346268	689617	2	2.18	<2	31	222	<1	2	1.74	<4	30	119	127	5.20	0.92	12	1.47	652	7	0.13	36	1607	<1	<5	<5	0.31	<10	20	2911	<1	74	<10	15	110
346269	689618	<1	1.20	<2	36	357	1	6	7.04	<4	35	73	142	7.27	0.57	9	1.15	1611	10	0.08	47	1481	3	13	<5	0.03	<10	115	625	2	101	<10	24	175
346270	689619	8	0.55	<2	27	184	<1	14	3.99	9	33	406	1165	4.36	0.18	4	0.72	900	10	0.06	49	533	609	24	<5	0.05	<10	173	<100	<1	35	13	11	933
346271	689620	3	0.19	3	32	58	<1	<1	1.27	7	8	375	113	1.38	0.08	2	0.07	127	4	0.04	15	106	25	15	<5	0.05	<10	46	<100	<1	10	<10	2	651
346272	689621	<1	0.60	<2	22	49	<1	<1	2.51	<4	6	73	15	1.19	0.34	4	0.12	324	5	0.03	7	166	<1	9	<5	0.07	<10	92	<100	<1	7	<10	8	48
346273	689622	<1	0.63	<2	30	1585	<1	<1	2.98	<4	10	541	10	1.79	0.25	6	0.41	368	7	0.09	34	263	2	<5	<5	0.08	<10	126	149	<1	15	<10	3	78
346274	689622	<1	0.62	<2	35	1398	<1	3	3.00	<4	11	531	10	1.79	0.25	6	0.41	369	7	0.09	35	267	1	7	<5	0.07	<10	124	149	<1	14	<10	3	77
346275	689623	<1	0.72	2	25	362	<1	<1	5.33	4	16	146	31	2.54	0.22	6	1.59	750	<1	0.06	56	477	3	14	<5	0.05	<10	252	<100	<1	17	<10	6	312
346276	689624	<1	0.47	11	28	38	<1	<1	2.36	21	35	185	230	2.13	0.14	4	0.46	358	21	0.05	35	190	3	<5	<5	0.05	<10	65	<100	<1	8	22	4	1872
346277	689625	8	1.66	66	38	214	<1	<1	1.02	6	22	80	1244	4.30	0.22	12	0.96	524	57	0.10	180	620	120	13	<5	0.04	18	45	1202	<1	62	25	7	636
346278	689626	<1	0.74	25	27	35	<1	5	2.28	9	63	294	307	4.20	0.24	3	0.22	398	14	0.03	62	381	4	<5	<5	0.04	<10	42	<100	<1	11	32	8	2651
346279	689627	<1	0.78	11	24	44	<1	4	1.68	4	39	120	233	3.59	0.22	2	0.30	316	9	0.03	44	355	4	<5	<5	0.03	<10	27	<100	<1	10	18	5	1419
346280	689628	<1	2.07	3	29	59	1	4	1.41	<4	14	72	69	3.41	0.22	16	1.36	330	7	0.04	19	256	<1	5	<5	0.06	<10	24	<100	<1	14	<10	5	314
346281	689629	<1	1.52	4	31	68	1	6	2.65	4	34	346	129	3.65	0.22	10	0.95	443	9	0.03	61	422	2	8	<5	0.06	<10	48	<100	<1	13	14	6	1247
346282	689630	<1	1.65	6	28	51	1	3	1.77	<4	20	170	84	3.31	0.23	10	1.27	333	5	0.03	33	741	1	32	<5	0.04	<10	32	<100	<1	25	11	7	1006
346283	689631	<1	0.91	<2	26	40	<1	<1	1.04	<4	11	87	76	1.89	0.26	5	0.44	213	4	0.03	12	156	<1	32	<5	0.03	<10	26	<100	<1	5	<10	6	315
346284	689632	<1	1.84	<2	33	85	<1	<1	4.46	<4	18	240	34	2.92	0.26	15	1.40	635	2	0.07	64	558	3	8	<5	0.04	<10	73	172	<1	37	<10	8	81
346285	689632	<1	1.97	<2	30	95	<1	5	4.69	<4	19	297	32	3.10	0.28	16	1.49	668	4	0.07	69	564	3	5	<5	0.06	<10	77	187	4	39	<10	8	85

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346286	689633	<1	0.93	5	30	47	<1	<1	2.68	7	36	60	141	3.23	0.26	3	0.42	497	8	0.03	43	426	3	6	<5	0.03	<10	43	<100	<1	8	27	9	2311
346287	689634	<1	0.91	18	22	39	<1	2	3.85	<4	24	116	159	2.89	0.24	7	0.27	658	6	0.03	32	395	2	13	<5	0.03	<10	52	<100	<1	7	14	17	1178

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Friday, December 12, 2008

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

Date Received: Nov 25, 2008
Date Completed: Dec 12, 2008

Job #: 200844447
Reference:
Sample #: 25 Reject's

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
363852	689583	507	0.015	0.507
363853	689584	77	0.002	0.077
363854	689585	78	0.002	0.078
363855	689586	47	0.001	0.047
363856	689587	32	<0.001	0.032
363857	689588	107	0.003	0.107
363858	689589	710	0.021	0.710
363859	689590	75	0.002	0.075
363860	689591	19	<0.001	0.019
363861	689592	61	0.002	0.061
363862	689593	98	0.003	0.098
363863	689594	75	0.002	0.075
363864 Dup	689594	79	0.002	0.079
363865	689595	8	<0.001	0.008
363866	689596	96	0.003	0.096
363867	689597	55	0.002	0.055
363868	689598	42	0.001	0.042
363869	689599	17	<0.001	0.017
363870	689601	429	0.013	0.429
363871	689602	90	0.003	0.090
363872	689603	131	0.004	0.131
363873	689604	40	0.001	0.040
363874	689618	191	0.006	0.191
363875 Dup	689618	172	0.005	0.172

PROCEDURE CODES: AL4AU3

Certified

By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Email#: koziol@altoventures.com

Date Received: Nov 25, 2008
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Job #: 200844447
Reference:
Sample #: 25 Reject's

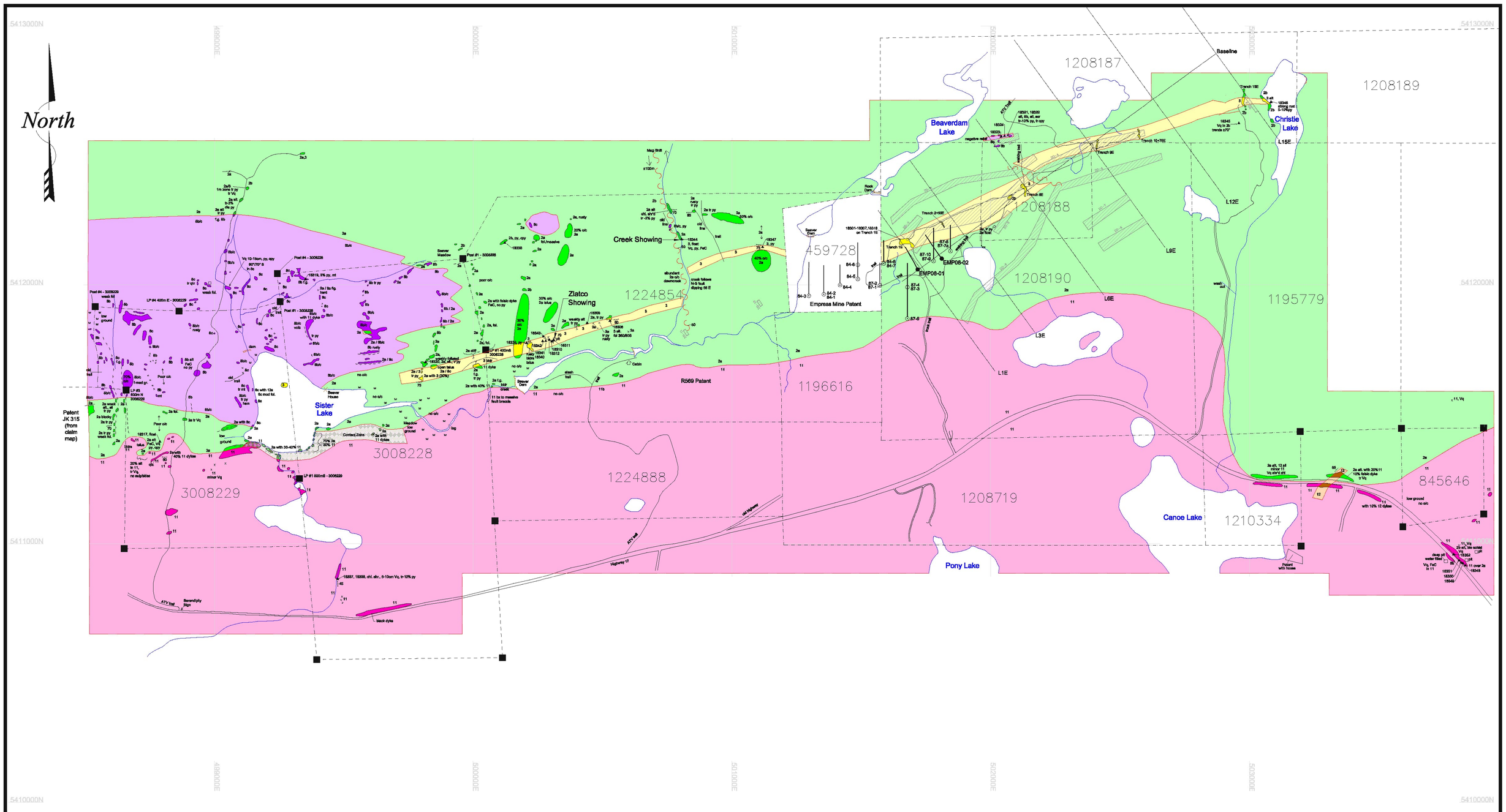
Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
363876	689619	340	0.010	0.340
363877	689620	2051	0.060	2.051
363878	689621	164	0.005	0.164

PROCEDURE CODES: AL4AU3

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

AL903-0519-12/12/2008 1:43 PM



Legend

- Swamp
- Outcrop
- Outcrop, small
- Foliation (dip unknown,inclined,vertical)
- 18338, py — Sample location
- Topographic slope
- Pit
- Creek/stream
- Trench
- Geological boundary
- Claim line
- Shear
- Claim post (line,corner)
- IP Anomaly (Cameco 1999 work)
- 84-4 Historical DDH
- EMP08-02 Alto 2008 DDH

Abbreviations

Alt	Altered
bldr	Boulders
Cb	Carbonatized
Cpy	Chalcopyrite
Dis	Disseminated
Fol	Foliation
FeC	Iron-carbonatized
F.g.	Fine-grained
Hem	Hematized
Mt	Magnetite/magnetic
o/c	Outcrop
Py	Pyrite
qtz	Quartz
Ser	Sericitized
Shr'd	Sheared
Sil	Silicified
Tr	Trace
Vq	Quartz vein

Geology

PROTEROZOIC

- 12 Mafic Intrusive Rocks
  - 12a Diabase dyke
  - 12a Mafic dyke
  - 12f Feldspar-phyric

ARCHEAN

- 11 Late Archean Granitoid Rocks
  - 11a Granite
  - 11b Granodiorite
- 8 Mafic to Intermediate Intrusive Rocks
  - 8b Gabbro
  - 8c Diorite
- 3 Empress Structure
- 2 Mafic Metavolcanic Rocks
  - 2a Massive flow, fine-to medium-grained
  - 2b Pillowed flow/pillow breccia

Assay Values

Sample #	Au (g/t)	Sample #	Au (g/t)
18301	0.166	18324	0.021
18302	0.050	18336	0.010
18303	0.069	18337	0.014
18304	2.278	18338	0.007
18305	0.440	18339	0.067
18306	0.248	18340	0.538
18307	1.662	18341	0.012
18308	0.014	18342	0.427
18309	0.012	18343	1.092
18310	0.924	18344	0.016
18310	0.746	18345	0.013
18311	0.379	18346	0.018
18312	1.214	18346	0.020
18317	0.061	18347	0.011
18318	0.333	18348	0.005
18319	0.017	18349	0.005
18320	0.018	18350	0.005
18321	0.020	18351	0.005
18322	0.020	18352	0.008
18323	0.024	18352	0.005

Scale: 1:5000

0m — 500m — 1km

NAD 83 UTM Z16

ALTO VENTURES LTD.

Alto Ventures Ltd.
Empress Project
Geology and 2008 Drill Hole Locations

December, 2008

Map 1

5412025.0 N
5412050.0 N
5412075.0 N
5412100.0 N
501800.0 E
5412125.0 N
5412150.0 N
5412175.0 N
5412200.0 N
5412225.0 N

325.0 Elev
300.0 Elev
275.0 Elev
250.0 Elev
225.0 Elev
200.0 Elev
175.0 Elev
150.0 Elev

EMP08-01

Empress Lithology Legend

- 1 - Mafic Volcanic
- 1$ - Mafic Volcanic Schist
- 10 - Quartz Vein
- 10a - Quartz-Carbonate Vein
- 10ab - Quartz-Carbonate-Chlorite Vein
- 10ac - Quartz-Carbonate-Tourmaline Vein
- 10b - Quartz-Chlorite Vein
- 11 - Schist
- 11b - Sericite Schist
- 11c - Chlorite Schist
- 11d - Carbonate Schist
- 13 - Mylonite
- 15 - Mineralized Zone
- 1a - Tholeiitic Basalt
- 1a$ - Mafic Schist
- 2 - Intermediate Volcanic
- 2a - Andesite
- 3 - Felsic Volcanic
- 5 - Sediment
- 5a - Clastic Sediment
- 5ab - Sandstone
- 5ac - Siltstone
- 5ad - Mudstone
- 5ae - Argillite
- 5bc - Chert
- 5bda - Sulphide Iron Formation
- 5bdc - Oxide Iron Formation
- 5be - Massive Sulphides
- 5bf - Semi-massive Sulphides
- 6 - Mafic Intrusive
- 14 - Diabase
- 6$ - Schistose Gabbro
- 6a - Melanogabbro/Quartz-eye Mafic
- 6a$ - Sheared Melanogabbro
- 6aa - Lamprophyre
- 6b - Gabbro
- 6d - Leucogabbro
- 6d$ - Sheared Leucogabbro
- 7b - Diorite
- 8a - Aplite
- 8c - Granite
- 8e - Pegmatite
- FZ - Fault Zone
- Fz - Fault Zone
- OB - Overburden
- Ob - Overburden

Empress Gold Legend

- [0.00 , 1.00]
- [1.00 , 3.00]
- [3.00 , 10.00]
- [10.0 , 100.0]
- [100 , 500]

Empress Vein Legend

- [1.0 , 15.0]
- [15.0 , 30.0]
- [30.0 , 60.0]
- [60.0 , 100.0]

1:500

0 5 10 15 20 25

Section EMP08-01

Section Azimuth: 325

Scale 1:500 | Section Width: 100 | Date: 05 Jan 2009

Map 2

5412025.0 N
5412050.0 N
5412075.0 N
5412100.0 N
501800.0 E
5412125.0 N
5412150.0 N
5412175.0 N
5412200.0 N
5412225.0 N

325.0 Elev
300.0 Elev
275.0 Elev
250.0 Elev
225.0 Elev
200.0 Elev
175.0 Elev
150.0 Elev

EMP08-02

Empress Lithology Legend

- 1 - Mafic Volcanic
- 1$ - Mafic Volcanic Schist
- 10 - Quartz Vein
- 10a - Quartz-Carbonate Vein
- 10ab - Quartz-Carbonate-Chlorite Vein
- 10ac - Quartz-Carbonate-Tourmaline Vein
- 10b - Quartz-Chlorite Vein
- 11 - Schist
- 11b - Sericite Schist
- 11c - Chlorite Schist
- 11d - Carbonate Schist
- 13 - Mylonite
- 15 - Mineralized Zone
- 1a - Tholeiitic Basalt
- 1a$ - Mafic Schist
- 2 - Intermediate Volcanic
- 2a - Andesite
- 3 - Felsic Volcanic
- 5 - Sediment
- 5a - Clastic Sediment
- 5ab - Sandstone
- 5ac - Siltstone
- 5ad - Mudstone
- 5ae - Argillite
- 5bc - Chert
- 5bda - Sulphide Iron Formation
- 5bdc - Oxide Iron Formation
- 5be - Massive Sulphides
- 5bf - Semi-massive Sulphides
- 6 - Mafic Intrusive
- 14 - Diabase
- 6$ - Schistose Gabbro
- 6a - Melanogabbro/Quartz-eye Mafic
- 6a$ - Sheared Melanogabbro
- 6aa - Lamprophyre
- 6b - Gabbro
- 6d - Leucogabbro
- 6d$ - Sheared Leucogabbro
- 7b - Diorite
- 8a - Aplite
- 8c - Granite
- 8e - Pegmatite
- FZ - Fault Zone
- Fz - Fault Zone
- OB - Overburden
- Ob - Overburden

Empress Gold Legend

- [0.00 , 1.00]
- [1.00 , 3.00]
- [3.00 , 10.00]
- [10.0 , 100.0]
- [100 , 500]

Empress Vein Legend

- [1.0 , 15.0]
- [15.0 , 30.0]
- [30.0 , 60.0]
- [60.0 , 100.0]

1:500
0 5 10 15 20 25

Section EMP08-02

Section Azimuth: 325

Scale 1:500 | Section Width: 100 | Date: 05 Jan 2009

Map 3