MUD LAKE PROPERTY

REPORT ON

THE 2008 SUMMER AND FALL EXPLORATION PROGRAMS
INCLUDING MECHANICAL STRIPPING, DIAMOND DRILLING
AND SAMPLING

ELMHIRST AND WALTERS TOWNSHIPS
THUNDER BAY MINING DISTRICT
ONTARIO
NTS 42 E/13

Mike Koziol, P. Geo.
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SUMMARY AND RECOMMENDATIONS

This report describes the exploration work completed on the Mud Lake property between July and November 2008. The Mud Lake project is located in the Elmhirst, Rickaby and Walters townships approximately 25 km northwest of Beardmore, Ontario. The property consists of 20 claims that cover 2,592 hectares.

Previous work resulted in the recognition of a major shear zone, The Mud Lake Shear ("MLS") that extends for over six kilometres on the property. Gold occurs at several locations along the MLS and results include up to 50.6 g/t gold in grab samples and 13.9 g/t gold across 1.0m in drill cores.

The Mud Lake project is underlain mostly by the Coyle Lake felsic intrusive stock which occupies approximately 70% of the property. The rest of the property is underlain by felsic and intermediate volcanic rocks.

The 2008 program included mechanical stripping, geological mapping, sampling and diamond drilling of 1,009m in 12 holes. Stripping was carried out in seven areas exposing strong shear zones and occasionally quartz veining. Trench 6 Extension exposed 100m long quartz vein that locally returned up to 3.31 g/t gold across 1.0m channel sample

Diamond drilling tested five areas including the southwest extension of the Oliver Severn Showing. Of the 12 holes drilled, MUD08-40 intersected a 2.5m wide zone of quartz veining in sheared diorite. The hole is located 100m southwest along strike from the Oliver Severn Showing and returned anomalous gold of 0.19 g/t gold over 1.0m in the vein and also in the sheared host rock (0.182 g/t gold across 1.0m). The remaining holes failed to intersected significant veining and gold mineralization.

Based on results from this program and previous work additional prospecting and mechanical stripping is recommended along the Oliver Severn-Trench A trend; in the area of Trench E; and in the high priority areas identified previously especially along the No 3 and No 4 showings.

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1.0 INTRODUCTION

This report describes results from exploration work completed on the Mud Lake property from July 24 to November 11, 2008. This work included mechanical stripping, washing, geological mapping and sampling of stripped areas and diamond drilling.

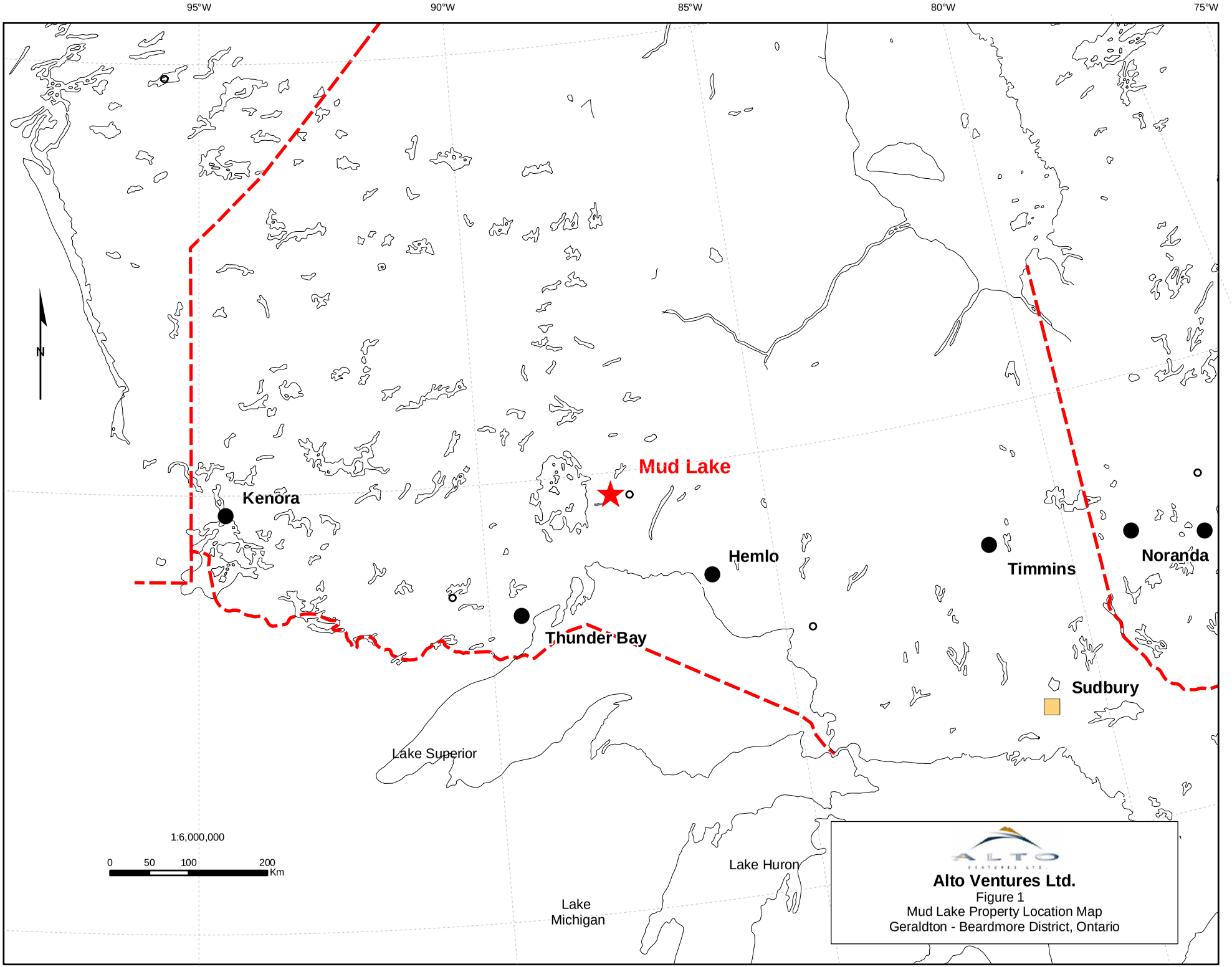
1.1 Property and Title

The Mud Lake property lies in the Thunder Bay Mining District and consists of 20 claims located in Elmhirst, Walters and Rickaby Townships. It is covered by NTS map sheets 42 E/13 and the approximate UTM coordinates in NAD 83 (Zone 16) for the centre of the property are 450000 m E and 5512000 m N.

Claims are owned 100% by Alto Ventures Ltd. and occupy crown lands covering an area of approximately 2,592 hectares. Wescan Goldfields Inc was working towards earning a 50% interest in the property when the work was in progress. Subsequently, in January 2009 Wescan terminated their option to earn an interest in the project. A list of claims making up the Mud Lake Property is presented in Table 1.

Table 1 List of claims making up the Mud Lake property

Claim Number	Township	Date Recorded	Due Date	$ Annual Work Required	Claim Units
1204947	Elmhirst	Apr 29/96	Apr 29/11	2400	6
1204950	Elmhirst	Dec 04/96	Dec 04/10	5600	14
1205012	Elmhirst	Mar 10/98	Mar 10/11	1200	3
1205082	Elmhirst	June 09/99	June 09/11	3600	9
1205084	Elmhirst	June 09/99	June 09/11	1200	3
1210760	Elmhirst	Aug 06/97	Aug 06/11	4800	12
1215312	Elmhirst	Aug 11/99	Aug 11/10	400	1
1232680	Elmhirst	May 08/98	May 08/11	800	2
3011485	Elmhirst	Aug 09/04	Aug 09/10	4400	11
3011486	Elmhirst	Aug 09/04	Aug 09/10	4800	12
4203980	Elmhirst	Aug 09/05	Aug 09/10	400	1
4211616	Elmhirst	Oct 05/06	Oct 05/10	1200	3
4211242	Elmhirst	Oct 13/06	Oct 13/10	5600	14
4213484	Kaby Lake	Apr 19/07	Apr 19/11	2400	6
4211617	Rickaby	Oct 05/06	Oct 05/10	6400	16
3011482	Walters	Aug 09/04	Aug 09/10	6400	16
3011483	Walters	Aug 09/04	Aug 09/10	5600	14
3011484	Walters	Aug 09/04	Aug 09/11	1600	4
4213483	Walters	Apr 19/07	Apr 19/11	3600	9
4213485	Walters	Apr 19/07	Apr 19/11	2400	6
Totals	20 claims		2,592 ha	$64800	162 units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90°W
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Hemlo
Timmins
Noranda
Thunder Bay
Sudbury
Lake Superior
Lake Huron
Lake
Michigan
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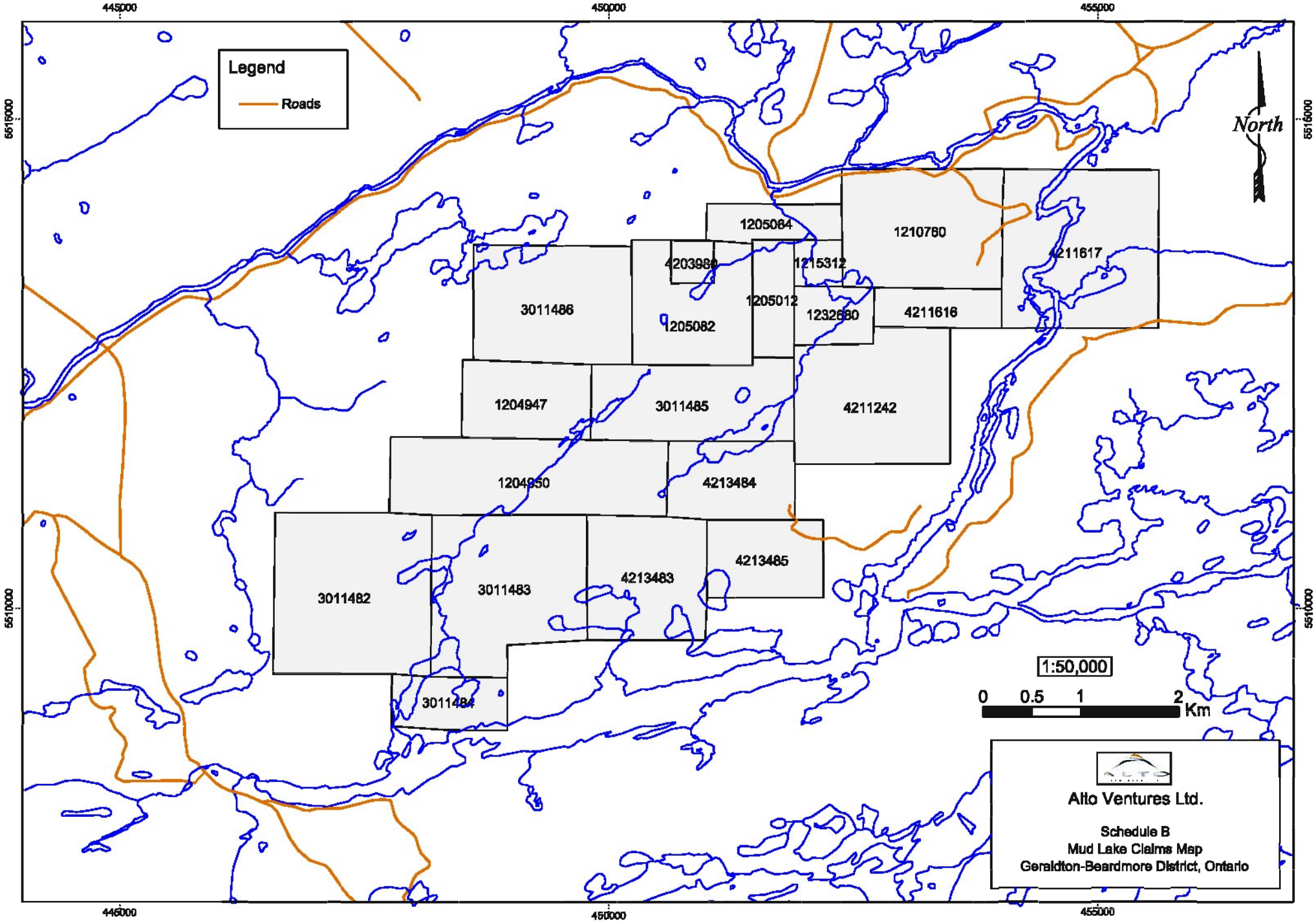
Km
Alto Ventures Ltd.
Figure 1
Mud Lake Property Location Map
Geraldton - Beardmore District, Ontario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Roads
North
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0 0.5 1 2 Km
Alto Ventures Ltd.
Schedule B
Mud Lake Claims Map
Geraldton-Beardmore District, Ontario

1.2 Location, Access and Infrastructure

The project is situated approximately 25 km northeast of the Town of Beardmore, 55 km west of the Town of Geraldton and 190 km northeast of the City of Thunder Bay.

From Thunder Bay or Geraldton, the property can be reached by traveling along the Trans-Canada Highway (No. 11) to the intersection with Ontario Tertiary Highway 801, some 22 km east of the town of Beardmore. The southwest and central portions of the property are easily accessible by following this road some 10 km northwestward and by turning northeast onto a former logging road which is the property's main access road (Main Road). Access to the northwestern portion of the property is possible via the Main Road. The property is also accessible by continuing several kilometres further on the 801 to the Namewaminikan (Sturgeon) River and by then turning northeast onto an old road just before the bridge. This road lies along the river (River Road) and leads to the northeast showings.

Old forestry roads provide good access to most of the property area. Most of these roads are overgrown but could be refurbished at low cost and then be accessible to most vehicles. At this time, most roads are only easily accessible to ATV vehicles, with one exception, the Wolf Road, which provides good access to the Oliver Severn and No. 6 showings. It is accessible to 4x4 trucks, even in wet conditions, and by 4X2 vehicles during the dry summer season.

In terms of access to heavy drill equipment, most of the gold showings could be easily accessible all-year round.

General labour is readily available from the nearby communities of Jellicoe, Geraldton and Beardmore. More specialized mining and exploration personnel, services and equipment are available from the more distant cities of Timmins, Sudbury and Thunder Bay.

1.3 Physiography

Forestry operations were carried out some 15 years ago and most of the area explored is covered by a re-growth consisting mainly of grey pine. A few stands of mature timber were left behind here and there, notably in the area spanning the No. 1 to Oliver Severn Showing and southwest of the South Trench area.

The terrain is generally very sandy and well drained and consists of rolling hills with a maximum relief in the order of 30-50 m. Outcrop exposure is locally very abundant and in areas devoid of outcrops, glacial till cover is expected to be thin and in the order of 1 to 5 metres. A glacial esker forms a ridge along the northeast end of the property.

A series of small lakes and a creek lying along a northeast-flowing drainage occurs near the centre of the property and water for drilling operations along this drainage system is readily available.

1.4 Previous Work

Early exploration on the property dates back to the 1930's. Work consisting of mainly prospecting, geological mapping, trenching, ground geophysics, and soil and rock geochemistry. Very limited diamond drilling was carried out intermittently by various companies and prospectors prior to 2004. Section 6.0 in this report provides a list of the companies and assessment file reports that have submitted work on the property prior to exploration by Alto.

In 2005 Alto completed a Resistivity/Induced Polarization survey (Rivest, 2005) and a program of geological mapping and sampling (Tremblay, 2005). Alto completed comprehensive exploration programs in 2007 and 2008 that included diamond drilling, prospecting, geological mapping, mechanical stripping and sampling (Tremblay et al, 2008)

1.5 Compilation of Previous Work and Results

A compilation of selected previous work is presented on maps 1 and 2. Results from the Alto work include the recognition of the Mud Lake Shear System, a zone of intermittent intense shearing, strong alteration and locally quartz veining that persists for more than six kilometres on the property. Prior to the current program, 12 of the quartz-veined shear areas were stripped and washed. Each of these areas returned anomalous gold, up to 50.6 g/g gold in grab samples. Alto Ventures completed two diamond drilling programs in 2007 and 2008 that consisted of an aggregate 2,036m in 30 holes. Results from these programs are encouraging. A summary of these in presented in Table 2 below (Tremblay et al, 2008).

Table 2. Summary of Significant (Au > 1 g/t) Assay Results from the 2007-08 Mud Lake Drilling Programs.

Hole	**From (m)**	**To (m)**	**Width (m)**	**Au (g/t) (average)**	**Au (g/t) (original)**	**Au (g/t) (metallic)**	**Zone**
MUD07-01	15.1	16.1	1.0	0.90	0.99	0.81	Trench 6
MUD07-03	15.3	16.0	0.7	3.25	3.2	3.3	Trench 6
MUD07-06	12.3	18.4	6.1	3.49	3.39	3.59	Oliver-Seven - Zone 1
includes	14.9	15.4	0.5	9.8	9.64	9.97	
and	17.4	18.4	1.0	14.43	13.97	14.89	
	28.6	29.6	1.0	6.22	5.56	6.88	Oliver-Severn - Zone 2
MUD07-11	26.5	28.5	2.0	2.11	2.11		Clarke South Zone
	51.5	53.2	1.7	2.35	2.35		Clarke North Zone
MUD07-12	80.0	88.8	8.0	0.90	0.94		Clarke North Zone
includes	82.8	84.8	2.0	1.96	2.16	1.76	
MUD07-14	19.0	21.0	2.0	2.24	2.12	2.36	Showing # 3
MUD07-16	21.1	21.6	0.5	5.77	6.34	5.20	Showing #4
MUD07-17	23.7	24.7	1.0	3.23	3.77	2.69	Showing #4

MUD07-19	61.3	62.3	1.0	0.81	1.44	0.189	Showing #5
MUD08-22	36.6	37.6	1.0	7.68	7.25	8.12	Oliver Severn
MUD08-23	23.8	24.7	0.9	2.75	2.0	3.5	Oliver Severn
MUD08-24	19.0	21.0	2.0	1.13	1.21	1.05	Clarke North Zone
MUD08-25	42.5	43.5	1.0	2.85	3.2	2.5	Clarke North Zone

1.6 Work Completed During the 2008 Programs

Field work completed during the 2008 programs includes mechanical stripping, washing and sampling of seven areas. Following the surface work, 12 diamond drill holes, totaling 1,009m were completed to further test the shear zones exposed by the stripping.

Dr. Don Rousell, Professor Emeritus from Laurentian University was contracted to conduct a structural study on the Trench 6 and 6 Extension showings. The section of his report pertaining to his work at Mud Lake is included as Appendix D.

A prospecting program was also completed on the property by Robert Tremblay, P.Geo. to the east of the Mud Lake Shear. This program will be reported on separately but the results are included with this report to complete the data set. Sample locations are shown on Map 1 and Map 2 and the samples descriptions and results are included in Appendix E

2.0 GEOLOGY AND MINERALIZATION

Regional geology and property geology were described in some detail in past reports by the Ontario Geological Survey, in reports authored by Mackasey (1976) and Mackasey and Wallace (1978) from which key excerpts have been taken.

Regionally, the Mud Lake property area is underlain by metavolcanics and igneous rocks of early Precambrian (Archean) age within the Wabigoon sub-province of the Canadian Shield. The oldest rocks are metavolcanics and metasediments, which are intruded by trondhjemite, quartz diorite, gabbro and related igneous rocks in the form of stocks, lenses and dikes. The metavolcanic rocks range in composition from mafic to felsic and, along with their intercalated metasedimentary sequences, lie along an east-west axis. They form the southern limb of a broad west-trending regional fold. The dominant schistosity and major regional faults such as the Paint Lake fault also strike roughly east-west. The Paint Lake fault is a major east striking regional feature that extends for over 100 km from Lake Nipigon eastward towards Geraldton and the Mud Lake property lies just north of this fault.

In the property area, schistosities locally trend east-northeast to northeast, especially along the boundaries of the large stocks which intrude the volcano-sedimentary belt. Finally, northeast-trending faults are abundant in this area, locally displacing east-west regional faults and granite-volcanic contacts.

The Mud Lake project is underlain mostly by the Coyle Lake stock which occupies

approximately 70% of the property. With a mineralogy ranging from granodiorite to trondhjemite, the intrusive is mostly massive, medium grained and porphyritic in places. The outer boundary (contact zone) is composed of hybrid intrusive rocks of dioritic composition and reported to be several metres in width.

In the centre of the property, the intrusive displays a moderate to strong tectonic fabric, in the form of an increasingly well developed schistosity when approaching a well defined northeast-trending fault (unnamed) which transects the Coyle Lake stock. This fault lies along a valley comprising a series of small lakes and a creek which extends over the entire property.

The main gold-bearing structure identified to date on the property has been named the "Mud Lake Shear ("MLS"). In the northern part of the property, it lies parallel and close to the main fault described in the previous paragraph (Maps 1 and 2) and includes showings No.1, 2, 3, 4, 5 and Oliver Severn. In the central portion, near the area of showing No. 6, the shear turns away from the main fault to a more west-south-westerly direction and would then host the Clarke and South Trench showings.

The strong northeast shearing is accompanied by quartz veining where most of the gold is concentrated. Folding and resulting brecciation of the shear zone occur at several locations along the MLS creating a significant thickening of gold-bearing quartz zones. Such folding and brecciation is best exposed at the Oliver Severn, No.6 and Clark showings.

A detailed structural study was completed during the current program on the No 6 and 6 Extension showings by Dr. Don Rousell formerly from Laurentian University. The section of the report pertaining to Mud Lake is included as Appendix D.

Sulphide mineralization in the granodiorite is generally very weak. Along the Mud Lake Shear zone, sulphides locally occur in concentrations generally ranging from trace to 1%. Consisting of disseminated pyrite and trace amounts of chalcopyrite; sulphides occur in the quartz veins injected along the fault. Locally, stronger sulphide concentrations ranging from 5 to 25% occur in millimetre to centimetre-thick siliceous bands usually occurring at or near the outer boundaries of the shear zone, or in pods within folded sections of the MLS.

Intermediate to mafic dykes have also been observed on the property and primarily along the MLS. The intrusive rocks vary from massive to strongly sheared. They appear to be mostly dioritic to gabbroic in composition, but could be locally ultramafic.

A well exposed north-south lying diabase dyke constitutes the youngest intrusive on the property (Tremblay 2005). The dyke, which reaches 25-30 metres in thickness, cuts through the Clarke Showing and has been traced northward and southward over several hundred metres.

Finally, a well developed north-northeast trending fault system has been observed

throughout the work area, as illustrated on the detailed maps of many of the showings. Striking at an azimuth averaging 020 degrees, this fault system is late, transecting and locally displacing, more often in a sinistral manner, the MLS and its quartz veins.

The Coyle Lake stock is in contact with intermediate to felsic volcanic rocks near the south and southeast ends of the property. This package includes felsic fragmentals and foliated flows.

3.0 MECHANICAL TRENCHING, MAPPING AND SAMPLING

3.1 Trenching Program Work Description

The mechanical trenching, mapping and sampling program was carried out during the period from July 24 to September 21, 2008 at seven locations (see Map 1). Mechanized stripping was completed by Marc's Backhoe Service from the nearby village of Jellicoe using a Cat 325B backhoe. Hand stripping and washing of the exposed bedrock, rock sawing, channel sampling and chaining were completed by Mr. Robert Cote of Cote Enterprises and Mr. Richard Cote, both from the Town of Beardmore. They also provided the rental of pressure pumps, hoses and rock saws needed to complete the work as well as All Terrain Vehicles as required. A total of 79 machine hours were charged for the excavator and 30 man days of manual labour for washing, trench cleaning, channel sawing and sampling.

The cleared areas were mapped and marked for channel sampling by Richard Lumb, Junior Geologist, under the supervision of Mike Koziol, P. Geo. Channel sampling was completed using a diamond blade saw. The channels were cut to a depth of approximately 10 cm and a width of 3 cm. The length of each sample varied depending on the mineralized rocks but most were in the 1.0 m range. Locations and results of the various samples cut are shown on individual trench maps included with this report.

Alto personnel stayed initially at Endy's Bush Camps and later moved to a house rented in the Town of Beardmore. The crews commuted to the field and their respective home locations by rental trucks.

Altogether, 153 rock channel samples were collected during this program. Samples were delivered by Alto personnel to Accurassay Laboratories in Thunder Bay. 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. The laboratory ran internal check assays every 10 samples to ensure lab quality control. The samples were also tested for other elements using ICP scan methods. Assay certificates for all samples are included in Appendix C.

3.2. Trenching Program Results

Trench A (Oliver Severn Extension, Map 4)
Trench A is located approximately 20m west of the Oliver Severn trench. The extension to the Oliver Severn trench reveals a southwesterly continuation of the quartz vein as well as minor quartz and quartz-carbonate veining. The quartz vein hosts patches of disseminated pyrite, chalcopyrite, arsenopyrite, galena and specularite as well as fragments of chloritized mafic rock. The mafic dyke mentioned in other trenches runs along side the quartz vein to the northwest in this trench. Both the quartz vein and mafic dyke are hosted in sheared diorite, which becomes progressively less sheared away from the area of quartz veining. This area was drilled previously and significant gold results were obtained (Tremblay et al, 2008)

Seven channel samples were cut and anomalous gold was obtained, including 1,817 ppb across 1.0m channel cut (Appendix C).

No.7 Trench (Map 4)
Trenching exposed an outcrop 50m long, 15m wide at the eastern end, tapering to 5m at the west end. A quartz vein runs the length of the trench, varying in width from a few centimetres to 30cm wide. A potassic alteration halo surrounds the vein in the centre of the outcrop, denoted by replacement of plagioclase feldspars by pink k- feldspar. A fine grained mafic dyke is exposed at the widest, eastern end of the trench.

Thirty Five channel samples were cut along the No. 7 Trench. Generally, gold values were weak, up to 353 ppb across 1.0m channel cut (Appendix C)

Trench B (Roadside Trench, Map 4)
Trenching either side of the road used to access the Oliver Severn area revealed sheared diorite. A mafic dyke is exposed to the south of the road at the west edge of the outcrop. The dyke runs NE-SW and is strongly sheared. Also to the south of the road, at the east end of the trench is a small section of mafic volcanic breccia. Twenty channel samples were cut and returned only weakly anomalous gold, maximum 39 ppb.

Trench C (Hammerhead Trench, Map 4)
Trenching revealed an intensely sheared outcrop of diorite. At the south west end of the trench there is a blowout of a quartz vein, similar to that seen in the extension to the No.6 trench. The quartz contains fragments of chloritized mafic material as seen elsewhere, although the dyke itself does not appear to be present. A small outlying outcrop to the northwest of the trench exposes two parallel quartz veins and a mafic dyke in weakly sheared diorite. Note that one of the quartz veins on the map has an ‘apparent width’ of 2.5m due to a diagonal section being exposed – in reality both quartz veins are approximately 20cm wide.

Twenty five channel samples were cut to sample this trench. Weakly anomalous gold was obtained in most samples, up to 87 ppb (Appendix C).

No.6 Extension (Map 5)
This trench was excavated to expose quartz veins found by prospecting to the northeast of previously mapped and sampled Trench No 6 (Tremblay, 2005; Tremblay et al., 2008). Trenching exposed a further 100m of shearing, 5-10m wide. Within the shear, the quartz vein noted in the No.6 trench continues for the whole length of the outcrop. The quartz vein locally pinches to a few centimetres and forms rolling swells with apparent widths of up to 3m. Occasionally the vein does not outcrop on surface, and in others it bifurcates into two separate veins. The vein frequently includes fragments of the mafic dyke which runs the length of the trench and in places appears to subsume the entire dyke, as well as fragments of diorite wall rock.

Forty five saw cut channel samples were collected from this trench. Anomalous gold was obtained from several including 3,310 ppb across 1.0m (see Appendix C).

A detailed structural study of Trench 6 Extension was completed by Dr. Don Rousell and is included as Appendix D.

Trench E (Map 6)
Trench E is located along the excavator access trail, approximately 200m southwest of Trench 6. The trench includes two areas of stripping. The area closest to the trail exposed an east striking clear white quartz vein hosted by diorite. This vein is 30cm wide. About 10m south of the vein, the diorite hosts a sheared mafic dyke mineralized with up to 10% pyrite. Three saw cut channels samples were take from the quartz vein and no gold was detected in them.

The second area is located approximately 25m northwest of the above. This stripped area exposed sheared diorite. Seven saw cut channel samples were taken and two of these returned anomalous gold including 99 ppb and 205 ppb.

Trench F (map 6)
This trench is located approximately 250m west of Trench E. The trench was opened to follow up a gold anomaly of 1.85 g/t reported from the 2007-2008 prospecting work by Tremblay et al, 2008. The stripping exposed a 20m wide zone of variably sheared diorite. The gold anomalous value reported previously is associated with a small (0.2m x 0.2m) pod of flat-lying quartz vein breccia. Only one sample was collected from this trench and it returned 6ppb gold.

4.0 2008 DIAMOND DRILLING

4.1 Logistics for the 2008 Drill Program

The purpose of the diamond drill program was to further test the Mud Lake Shear along the segment between the Oliver Severn Showing and the Trench No 6 focusing on the newly stripped areas. The diamond drilling was completed between October 1 and

October 21, 2008 by Cobra Diamond Drilling of Sudbury and consisted of 1,009 metres in 12 holes.

The contractor's drill crews were housed at Endy's Bush Camp located at the 5km marker on Provincial Highway 801 and 5 km south of the property. Alto's crews were housed in a rented house in Beardmore and core logging and sampling was completed at Alto's core logging facility in Beardmore. Access to the property was by rental trucks and All Terrain Vehicles.

The drilling was supervised by Richard Lumb, Junior Geologist, under the direction of Mike Koziol, P. Geo. Initial core logging was carried out by Richard Lumb during the drilling program. At the end of each shift, the drill cores were picked up at the drill site by Alto personnel and transported to Alto's core logging and sampling facilities in Beardmore. The NQ-size core was then logged and marked for sampling. Sampling procedures included sawing the specific samples in half, placing one half into numbered sample bags and replacing the other half in the core box for storage for future use. The bags were then sealed and delivered by Alto staff to Accurassay Laboratories in Thunder Bay for analyses. Core sawing was completed by Richard Cote in October and November 2008.

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 the re-sample was 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 elements using ICP scan methods. In total, 142 samples were analyzed.

Table 3 provides the diamond drill hole statistics. Geological drill logs and assay certificates are included in Appendix A and B respectively. Geological cross sections are included in the back pocket as Maps 7 to 17.

Table 3 2008 Diamond Drill Hole Statistics

DDH #	Northing	Easting	Azimuth	Dip	Depth	Claim	Target
MUD08-31	5511780	449270	127.8	-50.7	71	1204947	Tr 6 Extension
MUD08-32	5511820	449284	125.8	-50.5	62	1204947	Tr 6 Extension
MUD08-33	5511864	449318	119.8	-50.9	56	1204947	Tr 6 Extension
MUD08-34	5511907	449480	326.8	-49.7	50	1204947	Trench 7
MUD08-	5511926	449527	330.3	-49.5	50	1204947	Trench 7

35							
MUD08-36	5512071	449743	325.2	-49.8	116	1204947	Trench C
MUD08-37	5512125	449839	326.1	-50.4	137	3011485	Trench C
MUD08-38	5512042	449892	331.7	-50.4	149	3011485	Wolf Trench
MUD08-39	5512520	450436	356.1	-50	47	1205082	Tr A Extension
MUD08-40	5512545	450505	348.4	-50.3	64	1205082	Tr A Extension
MUD08-41	5512107	449973	336	-49.8	104	3011485	Wolf Trench
MUD08-42	5511746	449199	126.1	-48.8	103	1204947	Tr 6 Extension
Total					1,009		

4.2 Drill Hole Descriptions and Results

Trench 6 Extension

Holes MUD09-31, 32 and 33 were drilled to test the Mud Lake Shear below Trench 6 Extension and MUD08-42 was drilled to undercut previously drilled hole MUD07-01 where a one metre wide quartz vein returned 0.9 g/t gold. Each of the 2008 drill holes cut strongly shear intrusive but no significant alteration, veining or gold were intersected.

Trench 7

MUD08-34 and 35 were drilled 50m apart to undercut the shear zone exposed in Trench 7. MUD08-34 intersected sheared diorite near the top of the hole from 12 to 16.75m. The shear contains up to 2% pyrite but no significant veining and gold values are at or below detection levels. MUD08-35 intersected sheared diorite from 24.8 to 29m. The shear is silicified but no significant quartz veining was intersected and the gold values are near detection levels.

Trench C

MUD08-36 and 37 were drilled to undercut the shear zone exposed in Trench C and the possible extension approximately 150m along strike to the northeast of Trench C. MUD08-36 intersected sheared diorite from 48.9 to 54.75m. Quartz veining, up to 5%, was intersected from 53.6 to 54.75. Neither the shear zone nor the veins returned significant gold values.

MUD08-37 was drilled to a depth of 137m but failed to intersect significant shearing or veining.

Wolf Trench

MUD08-38 and 41 were drilled 100m apart to undercut the shear zones exposed previously at the Wolf trench. MUD08-38 intersected sheared diorite from 34.5 to 38.8m but no quartz veining. MUD08-41 did not intersect zones of significant shearing or veining.

Trench A Extension

MUD08-39 and 40 were drilled 100m apart to test for possible strike extensions to the Oliver Severn zone. MUD08-39 intersected sheared mafic from 13.6 to 18.8m. After MUD08-40 was drilled, it is possible that this hole was stopped short before it reached its intended target.

MUD08-40 is located 100m southwest and along strike from the Oliver Severn Showing. The hole intersected sheared diorite from 24.3 to 26m but no significant veining. A second shear was intersected from 43.5 to 50.38m. This shear is in dark green mafic rock, similar to the host rocks at the Oliver Severn showing. This shear is also host to a brecciated white quartz vein from 44.3 to 45.75m. The quartz vein is weakly anomalous in gold, assaying 0.19 g/t gold from 45.0 to 46.0m. The sheared wall rock adjacent to the vein is also anomalous assaying 0.182 g/t gold from 46.0 to 47.0m. This shear requires additional work along strike and to depth as it is gold bearing at the Oliver Severn Showing.

5.0 CONCLUSIONS

The Mud Lake Property is located in the Elmhirst, Rickaby and Walters townships, approximately 25 km northeast of Beardmore, Ontario. The property consists of 20 staked mineral claims that cover an area of approximately 2,592 hectares

An extensive exploration programs which included mechanical stripping, washing, sampling and diamond drilling were completed during the 2008 summer and fall seasons. A structural study was also completed over the Trench 6 Extension.

Seven areas were stripped along the Mud Lake Shear to further evaluate its gold potential. Sheared diorite with variable alteration was exposed at each of the areas stripped. Significant anomalous gold values were obtained from the Trench A (Oliver Sever Extension), Trench 6 Extension and Trench E areas. The gold is associated with strong shearing, alteration and some quartz veining.

In total, 1,009m of NQ size core were drilled in 12 holes testing five surface exposures of the Mud Lake Shear. Strong shearing was intersected in most of the holes but significant veining was obtained in only one (MUD08-40) that was drilled to test for extensions to the Oliver Severn shear-vein sets. This hole intersected 2.45m vein zone and the vein

and the sheared host rock are both anomalous in gold (0.19 g/t and 0.182 g/t each across 1.0m core lengths). Another hole (MUD08-39) testing this same target may have been stopped short.

The 2008 programs have confirmed that shearing is strong along the Mud lake Shear. Drilling near the Oliver Severn Showing suggest further work is required in that area. Results from previous programs suggest additional exploration is required in the Clarke, and Clarke extension areas as well as the gold zones reported from trenches No 3 and No 4. More sampling should be completed in the areas of Trench E and F. No further work is required in the areas of Trench No 7, B and C.

6.0 RECOMMENDATIONS

The recommendations below are based on results from the program documented in this report as well as past work completed by Alto and previous holders of the property. The following work is recommended:

Prospecting and mechanical stripping along the Oliver Severn-Trench A trend;

Prospecting and mechanical stripping in the area of Trench E;

Prospecting and mechanical stripping in the high priority areas identify previously on trend with the No 3 and No 4 showings.

7.0 REFERENCES

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8.0 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 Mud Lake 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 Mud Lake 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 22nd day of January, 2010

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

APPENDIX A

DIAMOND DRILL HOLE LOGS

Alto Ventures Ltd. DETAILED LOG

Hole Number: **MUD08-31** Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-50.70
Project Number:	Mud Lake	North:	5511780.00	North:	0.00	Collar Az:	127.90
Location:	Surface	East:	449270.00	East:	0.00	Length:	70.00
		Elev:	349.00	Elev:	0.00	Start Depth:	1.00
Date Started:	Oct 05, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	71.00
Date Completed:	Oct 06, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
50.00	127.90	-50.70	ezShot	OK							

Detailed Lithology

From	To	Lithology
1.00	7.40	**7b, diorite** Around 50% coarse (up to 5mm across) feldspar phenocrysts in a fine grained groundmass of amphibole, feldspar and minor biotite and quartz **Alteration** 1.000 - 7.400 :Alteration Type: Chloritized, Alteration Intensity: Moderate, Alteration Style: Selectively Pervasive Mafic groundmass is pervasively chloritised **Texture** 1.000 - 7.400 : Texture: ij Massive. Undeformed. Grain size varies within the medium to coarse bracket
7.40	8.13	**10a, quartz-carbonate vein** Quartz-haemetite vein. The quartz has entrained fragments of a fine-grained mafic rock (now chloritised). A small (half-cm) cube of fine-grained pyrite mixed with chalcopyrite and traces of malachite round the edges. **Structure** 7.400 - 8.130 : Structure: VN, Core Axis: 30 vein intercepted at 30 degrees to core axis **Mineralization** 7.950 - 7.960 : , Cp: 1.0, Py: 1.0 A small, half-cm square of mixed, fine-grained pyrite and chalcopyrite with traces of malachite around the edges

Assay Data

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

Hole Number: **MUD08-31** Units: METRIC

Detailed Lithology

From	To	Lithology
8.13	31.43	**7b, diorite** Diorite [as above described]. Medium to coarse grained phenocrysts in a fine grained groundmass. Includes occasional, small patches of groundmass without any, or only a few phenocrysts, although the majority of the unit contains 50-60% feldspar phenocrysts. Infrequent, small quartz veinlets, including a 1cm quartz-ankerite veinlet at 22.68m. Patches of diorite that appears to have been silicified, with quartz replacing much of the feldspar, become more frequent towards the end of the unit. **Alteration** 8.150 - 31.430 :Alteration Type: Chloritized, Alteration Intensity: Moderate, Alteration Style: Selectively Pervasive Mafic groundmass is pervasively chloritised 8.150 - 31.430 :Alteration Type: Silicified, Alteration Intensity: Moderate-Strong, Alteration Style: Selectively Pervasive Feldspar phenocrysts and groundmass silicified in patches. Possibly related to minor quartz veining. Roughly a third of the unit is altered this way. **MINOR INTERVALS:** **Minor Interval:** 30.13 - 31.43 7b, diorite Silicified diorite
31.43	41.05	**7b$, schistose diorite** Sheared diorite **Structure** 31.430 - 41.050 : Structure: SHR, Core Axis: 45 A sharp upper contact into shearing - lower contact graded over 15cm. Shearing grades from moderate to strong and back into moderate **Veining** 37.000 - 40.000 :% Veining: 5, Ank: 1, QTZ: 4, Vein Type: Str Quartz-carb veinlets. Very minor Haematite stringers. 5cm, shear-parallel quartz-carbonate vein from 38.60 - 38.65m probably corresponds to the larger quarts vein exposed at the surface. **MINOR INTERVALS:** **Minor Interval:** 37.35 - 40.87 7b$, schistose diorite Strongly sheared diorite

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745351	36.00	37.00	1.00	0.0280		0.5000	58.0000	49.0000	10.0000
745352	37.00	38.00	1.00	0.0025		0.5000	31.0000	18.0000	14.0000
745353	38.00	39.00	1.00	0.0025		0.5000	28.0000	24.0000	10.0000
745354	39.00	40.00	1.00	0.0025		0.5000	39.0000	20.0000	13.0000
745355	40.00	41.00	1.00	0.0050		0.5000	59.0000	27.0000	19.0000

Hole Number: **MUD08-31** 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
41.05	71.00	**7b, diorite** **Alteration** 41.050 - 71.000 :Alteration Type: Silicified, Alteration Intensity: Moderate-Strong, Alteration Style: Selectively Pervasive Feldspar phenocrysts and groundmass silicified in patches. Possibly related to minor quartz veining. Roughly a third of the unit is altered this way. 41.050 - 71.000 :Alteration Type: Chloritized, Alteration Intensity: Moderate, Alteration Style: Selectively Pervasive Mafic groundmass is pervasively chloritised 41.050 - 71.000 :Alteration Type: Saussurization, Alteration Intensity: Intense, Alteration Style: Selective Sausseritisation of feldspars in intermittent and infrequent patches										

Alto Ventures Ltd. DETAILED LOG

Hole Number: **MUD08-32** Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-50.50
Project Number:	Mud Lake	North:	5511820.00	North:	0.00	Collar Az:	125.80
Location:	Surface	East:	449284.00	East:	0.00	Length:	60.50
		Elev:	353.00	Elev:	0.00	Start Depth:	1.50
Date Started:	Oct 06, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	62.00
Date Completed:	Oct 07, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Mine Site		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	122.20	-50.30	ezShot	OK		**65.00**	125.80	-50.50	ezShot	OK	

Detailed Lithology

From	To	Lithology
1.50	17.80	**7b, diorite** Medium-coarse diorite. 50-60% feldspar phenocrysts in a groundmass of feldspar and fine grained amphibole and biotite. The groundmass is pervasively chloritised. The feldspars are, in places, saussuritised. Intermittent patches of K-feldspar replacement of the primary feldspars is associated with minor quartz veinlets. Larger patches, up to 3m wide, of intense silicification. Particularly associated with shearing. **Alteration** 1.500 - 17.800 :Alteration Type: Chloritized, Alteration Intensity: Moderate-Strong, Alteration Style: Selectively Pervasive Pervasive chloritisation of mafic groundmass 1.500 - 17.800 :Alteration Type: Saussurization, Alteration Intensity: Weak-Moderate, Alteration Style: Selective Intermittent patches of saussuritised feldspars 1.500 - 17.800 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive Patches of silicification of feldspars and groundmass, associated with quartz veining and shearing **Mineralization** 17.200 - 17.500 : , Py: 2.0, Vg: N, Style: Disseminated sheared half metre above quartz vein. Minor quartz-k-feldspar veining.

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745356	17.30	18.30	1.00	0.0080		0.5000	25.0000	97.0000	10.0000

Hole Number: **MUD08-32**

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
17.80	18.14	**10, quartz vein** Quartz-k-feldspar vein. Some epidote in the selvage with 5% pyrite disseminated **Structure** 17.800 - 18.140 : Structure: VN, Core Axis: 35 weak shearing at upper contact **Mineralization** 17.800 - 18.140 : , Py: 5.0, Vg: N, Style: Disseminated										
18.14	35.23	**7b, diorite** Diorite as described above **Alteration** 19.900 - 21.900 :Alteration Type: Saussurization, Alteration Intensity: Strong, Alteration Style: Pervasive Intermittent patches of intense saussuritisation associated with narrow veinlets 21.900 - 22.950 :Alteration Type: Hematized, Alteration Intensity: Moderate, Alteration Style: Selective Partial replacement of the majority of felspars 28.400 - 28.700 :Alteration Type: Saussurization, Alteration Intensity: Strong, Alteration Style: Pervasive Intermittent patches of intense saussuritisation associated with narrow veinlets 28.700 - 29.000 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Selective Patches of silicification of feldspars and groundmass, associated with quartz veining and shearing										
35.23	35.60	**10, quartz vein** Quartz vein with minor carbonate and k-feldspar. Small inclusions of entrained mafic material. **Veining** 35.230 - 35.600 :% Veining: 70, Ank: 10, QTZ: 90, Vein Type: Vu										

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-32** | 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
35.60	40.72	**7b, diorite** Diorite as described above **Alteration** 35.600 - 40.720 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Selective Patches of silicification of feldspars and groundmass, associated with quartz veining and shearing 38.540 - 38.590 :Alteration Type: Saussurization, Alteration Intensity: Strong, Alteration Style: Pervasive intense saussuritisation associated with narrow veinlets	745357	40.00	41.00	1.00	0.0025		0.5000	37.0000	20.0000	12.0000
40.72	45.64	**7b$, schistose diorite** The shear grades from and back into the massive diorite over 10-20cm **Alteration** 40.720 - 45.640 :Alteration Type: Sericitized, Alteration Intensity: Strong, Alteration Style: Pervasive Frequent patches of sericitisation **Structure** 44.900 - 45.040 : Structure: VN, Core Axis: 40 **MINOR INTERVALS:** **Minor Interval:** 44.9 - 45.04 10a, quartz-carbonate vein	745358	41.00	42.00	1.00	0.0025		0.5000	54.0000	4.0000	12.0000
			745359	42.00	43.00	1.00	0.0025		0.5000	67.0000	2.0000	13.0000
			745360	43.00	44.00	1.00	0.0025		0.5000	38.0000	14.0000	12.0000
			745361	44.00	45.00	1.00	0.0025		0.5000	33.0000	31.0000	12.0000
			745362	45.00	46.00	1.00	0.0025		0.5000	34.0000	27.0000	10.0000
45.64	62.00	**7b, diorite** Diorite as described above	745363	50.00	51.00	1.00	0.0025		2.0000	39.0000	23.0000	14.0000
			745364	51.00	52.00	1.00	0.0025		0.5000	43.0000	22.0000	10.0000
			745365	52.00	53.00	1.00	0.0025		0.5000	43.0000	37.0000	11.0000
			745366	53.00	54.00	1.00	0.0025		0.5000	46.0000	76.0000	9.0000

Alto Ventures Ltd. DETAILED LOG

Hole Number: **MUD08-33** Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-50.90
Project Number:	Mud Lake	North:	5511864.00	North:	0.00	Collar Az:	119.80
Location:	Surface	East:	449318.00	East:	0.00	Length:	54.55
		Elev:	347.00	Elev:	0.00	Start Depth:	1.50
Date Started:	Oct 08, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	56.05
Date Completed:	Oct 08, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Mine Site		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	119.80	-50.90	ezShot	OK		**50.00**	115.20	-51.10	ezShot	OK	

Hole Number: **MUD08-33** 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
1.50	27.57	**7b, diorite** **Alteration** 1.500 - 26.380 :Alteration Type: Saussurization, Alteration Intensity: Weak-Moderate, Alteration Style: Selective feldspars are saussuritised to varying degrees throughout the unit. 7.400 - 355.000 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive pervasive replacement of feldspars with quartz and silica flooding of the groundmass 16.250 - 16.600 :Alteration Type: Hematized, Alteration Intensity: Moderate, Alteration Style: Selective partial replacement of feldspars with haematite 26.300 - 27.570 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive Strong silicifiation of feldspars and groundmass directly above fault zone **Mineralization** 2.680 - 2.730 : , Py: 4.0, Vg: N, Other Min: Hematite, Other Pct: 7.0 Haematite in stringers, pyrite in isolated cubes 7.400 - 9.350 : , Py: 2.0, Vg: N Cubes of pyrite, concentrated at the upper and lower contacts of the silica-altered zone **Texture** 6.000 - 26.380 : Texture: Ib Medium-coarse feldspar phenocrysts in a fine grained groundmass of feldspar, amphibole and biotite **MINOR INTERVALS:** **Minor Interval:** 2.68 - 2.73 10, quartz vein Quartz vein with haematite stringers, pyrite cubes and entrained mafic material **Minor Interval:** 5.5 - 6.95 10, quartz vein Coarse crystalline, fracture-filling quartz vein - 2-4cm wide, running subparallel to the core axis.	745367	27.00	28.00	1.00	0.0100		0.5000	37.0000	41.0000	10.0000
27.57	30.90	**FZ, fault zone** Diorite hosted fault zone, sub parallel to core axis. **Mineralization** 27.570 - 30.900 : , Py: 2.0, Gn: .0, Vg: N Disseminated pyrite throughout fault zone	745368	28.00	29.00	1.00	0.0210		0.5000	36.0000	37.0000	9.0000
			745369	29.00	30.00	1.00	0.0070		0.5000	35.0000	24.0000	9.0000
			745370	30.00	31.00	1.00	0.0170		0.5000	31.0000	44.0000	10.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-33** | Units: METRIC

Detailed Lithology

From	To	Lithology
30.90	47.65	**7b, diorite** Strong silicified diorite **Alteration** 30.900 - 47.650 :Alteration Type: Silicified, Alteration Intensity: Intense, Alteration Style: Pervasive Intense silicification of feldspar phenocrysts and groundmass 30.900 - 47.650 :Alteration Type: Chloritized, Alteration Intensity: Strong, Alteration Style: Pervasive Strong chloritisation of mafic groundmass
47.65	51.85	**7b, diorite** Sheared diorite **Alteration** 51.750 - 51.850 :Alteration Type: Sericitized, Alteration Intensity: Moderate, Alteration Style: Stringers **Structure** 47.650 - 51.850 : Structure: SHR, Core Axis: 35
51.85	56.05	**7b, diorite** **Alteration** 51.850 - 56.050 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive Intense silicification of feldspar phenocrysts and groundmass **Texture** 51.850 - 56.050 : Texture: - Largely massive but with a weak foliation in places.

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745371	37.00	38.00	1.00	0.0025		0.5000	33.0000	34.0000	8.0000
745372	47.00	48.00	1.00	0.0060		0.5000	44.0000	36.0000	8.0000
745373	48.00	49.00	1.00	0.0025		0.5000	55.0000	15.0000	13.0000
745374	49.00	50.00	1.00	0.0025		0.5000	50.0000	51.0000	14.0000
745376	50.00	51.00	1.00	0.0400		0.5000	34.0000	41.0000	9.0000
745377	51.00	52.00	1.00	0.0580		0.5000	26.0000	35.0000	9.0000

Alto Ventures Ltd. DETAILED LOG

Hole Number: **MUD08-34** Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-49.70
Project Number:	Mud Lake	North:	5511907.00	North:	0.00	Collar Az:	326.80
Location:	Surface	East:	449480.00	East:	0.00	Length:	50.00
		Elev:	350.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 09, 2008	Collar Survey:	N	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	50.00
Date Completed:	Oct 09, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
50.00	326.80	-49.70	ezShot	OK							

Detailed Lithology

From	To	Lithology
0	12.00	**7b, diorite** Massive, medium-coarse diorite **Alteration** 0 - 0 : 0 - 12.000 :Alteration Type: Silicified, Alteration Intensity: Moderate, Alteration Style: Pervasive Silicification of feldspar phenocrysts and groundmass 0 - 12.000 :Alteration Type: Potassic alteration, Alteration Intensity: Moderate, Alteration Style: Pervasive K-feldspar replacement of plagioclase feldspars
12.00	16.75	**7b$, schistose diorite** Strongly sheared diorite (possible mafic dyke or mafic volcanics?) **Structure** 12.000 - 16.750 : Structure: SHR, Core Axis: 55 **Mineralization** 16.500 - 16.750 : , Py: 2.0, Vg: N, Style: Disseminated

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745378	14.00	15.00	1.00	0.0060		0.5000	61.0000	69.0000	14.0000
745379	15.00	16.00	1.00	0.0050		0.5000	60.0000	42.0000	13.0000
745380	16.00	17.00	1.00	0.0070		0.5000	63.0000	33.0000	13.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-34** | Units: METRIC

Detailed Lithology

From	To	Lithology
16.75	21.14	**7b, diorite** Intensely pervasive alteration to silica and k-feldspar. Graded upper and lower contacts approximately im each. **Alteration** 16.750 - 21.140 :Alteration Type: Potassic alteration, Alteration Intensity: Intense, Alteration Style: Pervasive K-feldspar and quartz flood the groundmass and replace phenocrysts. Some small biotite stringers and around 5% carbonate in patches **Structure** 17.700 - 20.500 : Structure: SHR, Core Axis: 40 **Mineralization** 16.750 - 21.140 : , Py: 1.0, Vg: N, Style: Disseminated
21.14	36.65	**7b, diorite** **Alteration** 21.140 - 26.500 :Alteration Type: Silicified, Alteration Intensity: Moderate-Strong, Alteration Style: Pervasive Strong silicification for several metres past the shear zone 26.500 - 48.100 :Alteration Type: Saussurization, Alteration Intensity: Moderate, Alteration Style: Selective Saussuritisation of feldspars to varying degrees throughout the diorite **Structure** 25.800 - 26.100 : Structure: SHR, Core Axis: 75 **MINOR INTERVALS:** **Minor Interval:** 25.8 - 26.1 7b$, schistose diorite
36.65	37.20	**10, quartz vein** White quartz vein withe entrained mafic fragments, a large fragments of diorite and minor patches of carbonate (<4%) **Structure** 36.650 - 37.200 : Structure: VN, Core Axis: 40
37.20	48.10	**7b, diorite**
48.10	50.00	**6, mafic intrusive** Massive mafic dyke

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745381	17.00	18.00	1.00	0.0090		0.5000	28.0000	26.0000	8.0000
745382	18.00	19.00	1.00	0.0070		0.5000	17.0000	14.0000	11.0000
745383	19.00	20.00	1.00	0.0070		0.5000	16.0000	23.0000	9.0000
745384	20.00	21.00	1.00	0.0025		0.5000	42.0000	10.0000	10.0000
745385	21.00	22.00	1.00	0.0025		0.5000	48.0000	21.0000	8.0000
745386	22.00	23.00	1.00	0.0025		0.5000	37.0000	28.0000	9.0000
745387	30.50	31.20	0.70	0.0025		1.0000	41.0000	2.0000	9.0000

Alto Ventures Ltd. DETAILED LOG

Hole Number: **MUD08-35** Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-49.50
Project Number:	Mud Lake	North:	5511926.00	North:	0.00	Collar Az:	330.30
Location:	Surface	East:	449527.00	East:	0.00	Length:	50.00
		Elev:	343.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 09, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	50.00
Date Completed:	Oct 09, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	330.30	-49.90	ezShot	OK							

Detailed Lithology

From	To	Lithology
0	1.50	**OB, Overburden**
1.50	21.37	**7b, diorite** Diorite. Massive and undeformed. Medium-coarse feldspar phenocrysts in a groundmass of fine feldspar, amphibole and biotite. Occasional inclusions of porphyritic diorite. **Alteration** 1.500 - 21.370 :Alteration Type: Saussurization, Alteration Intensity: Weak-Moderate, Alteration Style: Selective Patchy development of saussuritised feldspars 13.500 - 18.000 :Alteration Type: Silicified, Alteration Intensity: Strong-Intense, Alteration Style: Pervasive replacement of feldspars and flooding of groundmass **Veining** 1.500 - 21.370 :% Veining: 1, Vein Type: Ve Quartz stringers and narrow veins. Often with haematite stringers. Veins often with entrained mafic inclusions.

Assay Data

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

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-35** | Units: METRIC

Detailed Lithology

From	To	Lithology
21.37	24.83	**7b, diorite** Highly silicified upper contact of the target shear zone **Alteration** 21.370 - 24.830 :Alteration Type: Silicified, Alteration Intensity: Intense, Alteration Style: Pervasive Intense silicification between undeformed diorite and shear zone
24.83	29.05	**7b$, schistose diorite** Shear zone **Alteration** 24.830 - 29.050 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive **Structure** 24.830 - 29.050 : Structure: SHR, Core Axis: 73 Target shear zone. Strongly sheared, though intensity varies slightly throughout zone. **Mineralization** 24.830 - 29.050
29.05	42.13	**7b, diorite** **Alteration** 29.050 - 42.130 :Alteration Type: Saussurization, Alteration Intensity: Moderate, Alteration Style: Selective partial replacement of feldspars to varying degrees **Mineralization** 42.000 - 49.100 : , Py: 5.0, Vg: N, Style: Disseminated **Veining** 32.000 - 35.000 :% Veining: 5, QTZ: 50, Fsp: 50, Vein Type: B Two quartz-k-feldspar veins (5cm) with entrained mafic inclusions.
42.13	49.10	**6, mafic intrusive** Fine-grained mafic dyke
49.10	50.00	**7b, diorite**

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745388	24.00	25.00	1.00	0.0025		0.5000	9.0000	33.0000	4.0000
745389	25.00	26.00	1.00	0.0060		0.5000	29.0000	12.0000	8.0000
745390	26.00	27.00	1.00	0.0025		0.5000	33.0000	21.0000	10.0000
745391	27.00	28.00	1.00	0.0025		0.5000	25.0000	10.0000	9.0000
745392	28.00	29.00	1.00	0.0080		0.5000	30.0000	13.0000	11.0000
745393	29.00	30.00	1.00	0.0025		0.5000	40.0000	16.0000	9.0000
745394	30.00	31.00	1.00	0.0025		0.5000	48.0000	25.0000	10.0000
745395	46.00	47.00	1.00	0.0025		0.5000	82.0000	124.0000	15.0000
745396	47.00	48.00	1.00	0.0025		0.5000	78.0000	119.0000	13.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-36** — Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-49.80
Project Number:	Mud Lake	North:	5512071.00	North:	0.00	Collar Az:	325.20
Location:	Surface	East:	449743.00	East:	0.00	Length:	116.00
		Elev:	348.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 10, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	116.00
Date Completed:	Oct 11, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	325.20	-49.80	ezShot	OK		**117.00**	329.20	-50.10	ezShot	OK	

Detailed Lithology

From	To	Lithology
0	1.50	**OB, Overburden**
1.50	48.92	**7b, diorite** Diorite. Massive, undeformed. Medium-coarse grained phenocrysts in fine-grained groundmass of feldspar, amphibole and biotite. Occasional inclusions of diorite porphyry **Alteration** 1.500 - 48.920 :Alteration Type: Saussurization, Alteration Intensity: Moderate, Alteration Style: Selective Patchy saussuritisation of feldspars 24.800 - 27.780 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive Silicification - probably relating to a small, local shear 30.900 - 32.050 :Alteration Type: Silicified, Alteration Intensity: Strong-Intense, Alteration Style: Pervasive **Structure** 25.520 - 26.480 : Structure: SHR, Core Axis: 38 Weak shear **Veining** 34.950 - 35.600 :% Veining: 5, Vein Type: Str Haematite stringers

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745397	47.00	48.00	1.00	0.0025		0.5000	44.0000	26.0000	11.0000
745398	48.00	49.00	1.00	0.0025		0.5000	46.0000	12.0000	9.0000

Hole Number: **MUD08-36** 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
48.92	54.75	**7b$, schistose diorite** Shear strongly sheared in places but with sections of weak shearing between **Structure** 48.920 - 54.750 : Structure: SHR, Core Axis: 38 Shear zone. Sheared diorite **Mineralization** 48.920 - 54.750 : , Py: 2.0, Vg: N, Style: Disseminated **Veining** 53.600 - 54.750 :% Veining: 15, QTZ: 98, Vein Type: FF 5% py in sheared mafics associated with quartz **MINOR INTERVALS:** **Minor Interval:** 48.92 - 49.33 10, quartz vein Quartz with chloritic mafic inclusions **Minor Interval:** 50 - 50.2 10, quartz vein Quartz vein with chloritic mafic inclusions	745399	49.00	50.00	1.00	0.0025		0.5000	46.0000	14.0000	10.0000
			745401	50.00	51.00	1.00	0.0025		0.5000	43.0000	16.0000	8.0000
			745402	53.00	54.00	1.00	0.0025		0.5000	61.0000	11.0000	15.0000
			745403	54.00	55.00	1.00	0.0025		0.5000	67.0000	13.0000	15.0000
54.75	60.18	**7b, diorite** Diorite as described above										
60.18	60.32	**8a, aplite** Contacts at 65 degrees to core axis										
60.32	80.08	**7b, diorite** Diorite as described above **Mineralization** 74.150 - 75.000 : , Cp: 5.0, Vg: N, Style: Blebby 74.150 - 75.000 : , Py: 4.0, Vg: N, Style: Coarse Grained Coarse grained dissems of pyrite in mafic rock, associated with quartz veining **Veining** 74.150 - 75.000 :% Veining: 20, QTZ: 90, Vein Type: FF 10% cpy blebs with quartz	745404	74.00	75.00	1.00	0.0400		0.5000	34.0000	1568.0000	10.0000
			745405	75.00	76.00	1.00	0.0025		0.5000	46.0000	31.0000	12.0000
			745406	80.00	81.00	1.00	0.0025		0.5000	70.0000	61.0000	13.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-36** | 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
80.08	81.26	**7b$, schistose diorite** Strongly sheared diorite **Structure** 80.080 - 81.260 : Structure: SHR, Core Axis: 38 Strong shear	745407	81.00	82.00	1.00	0.0025		0.5000	39.0000	7.0000	12.0000
81.26	84.03	**7b, diorite** Diorite as described above	745408	84.00	85.00	1.00	0.0080		0.5000	93.0000	35.0000	18.0000
84.03	85.67	**6, mafic intrusive** mafic dyke, sheared with contacts at 38 degrees to axis **Structure** 84.030 - 85.670 : Structure: SHR, Core Axis: 38 Strong shear	745409	85.00	86.00	1.00	0.0060		0.5000	95.0000	46.0000	17.0000
85.67	91.00	**7b, diorite** Diorite as described above	745410	86.00	87.00	1.00	0.0025		0.5000	48.0000	83.0000	11.0000
			745411	87.00	88.00	1.00	0.0025		0.5000	42.0000	31.0000	11.0000
			745412	88.00	89.00	1.00	0.0025		0.5000	36.0000	71.0000	10.0000
			745413	89.00	90.00	1.00	0.0025		0.5000	31.0000	52.0000	12.0000
			745414	90.00	91.00	1.00	0.0070		0.5000	29.0000	76.0000	9.0000
91.00	100.80	**7b$, schistose diorite** **Structure** 91.000 - 100.800 : Structure: SHR, Core Axis: 42 Moderate shearing **Veining** 91.000 - 100.800 :% Veining: 5, Cal: 20, QTZ: 80, Vein Type: FF	745415	91.00	92.00	1.00	0.0140		0.5000	26.0000	83.0000	9.0000
			745416	92.00	93.00	1.00	0.0080		0.5000	21.0000	7.0000	8.0000
			745417	93.00	94.00	1.00	0.0025		0.5000	22.0000	7.0000	7.0000
			745418	94.00	95.00	1.00	0.0120		0.5000	22.0000	28.0000	8.0000
			745419	95.00	96.00	1.00	0.0025		0.5000	26.0000	26.0000	8.0000
			745420	96.00	97.00	1.00	0.0025		0.5000	28.0000	31.0000	9.0000
			745421	97.00	98.00	1.00	0.0025		0.5000	39.0000	31.0000	10.0000
			745422	98.00	99.00	1.00	0.0025		0.5000	68.0000	53.0000	14.0000
			745423	99.00	100.00	1.00	0.0025		0.5000	74.0000	83.0000	16.0000
			745424	100.00	101.00	1.00	0.0025		0.5000	48.0000	49.0000	9.0000
100.80	105.53	**7b, diorite** Diorite as described above										
105.53	105.94	**8, felsic intrusive** Felsic porphyry										
105.94	116.00	**7b, diorite** Diorite as described above										

Alto Ventures Ltd. DETAILED LOG

Hole Number: **MUD08-37** Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-50.40
Project Number:	Mud Lake	North:	5512125.00	North:	0.00	Collar Az:	326.10
Location:	Surface	East:	449839.00	East:	0.00	Length:	137.01
		Elev:	348.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 11, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	137.01
Date Completed:	Oct 12, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	326.10	-50.40	ezShot	OK		**50.00**	328.80	-49.90	ezShot	OK	
100.00	332.80	-50.90	ezShot	OK		**137.00**	337.80	-49.20	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	1.50	**OB, Overburden**										
1.50	39.00	**7b, diorite** Diorite. Massive and largely undeformed. Medium-coarse feldspar phenocrysts in a fine groundmass of feldspar, amphibole and biotite. Occasional inclusions of diorite prophyry (up to 15cm across). **Alteration** 1.500 - 39.000 :Alteration Type: Silicified, Alteration Intensity: Moderate-Strong, Alteration Style: Selectively Pervasive Throughout unit there are patches of silicification where feldspars are replaced by quartz and the groundmass is flooded obscuring the original texture 1.500 - 39.000 :Alteration Type: Saussurization, Alteration Intensity: Moderate-Strong, Alteration Style: Patchy Occasional patches of pervasive saussuritisation affect feldspars and groundmass										
39.00	42.60	**6, mafic intrusive** upper contact 50 degrees, lower 35 **Structure** 39.000 - 42.600 : Structure: SHR, Core Axis: 47										

Hole Number: **MUD08-37** Units: METRIC

Detailed Lithology

From	To	Lithology
42.60	137.00	**7b, diorite** Diorite as described above **Structure** 73.320 - 73.321 : Structure: CNT, Core Axis: 45 sharp contact 73.620 - 73.621 : Structure: CNT, Core Axis: 70 **Mineralization** 61.320 - 61.720 : , Cp: 1.0, Vg: N, Style: Veins minor cpy in quartz veinlet in larger quartz vein 73.320 - 73.620 : , Py: 5.0, Vg: N, Style: Stringers also disseminated pyrite 100.450 - 100.550 : , Vg: N, Other Min: Hematite, Other Pct: 5.0, Style: Stringers Associated with quartz veinlet 103.700 - 105.350 : , Vg: N, Other Min: Hematite, Other Pct: 5.0, Style: Stringers Associated with quartz veinlet **Veining** 100.450 - 100.550 :% Veining: 10, QTZ: 90, Vein Type: Ve Quartz with disseminated haematite 102.350 - 102.600 :% Veining: 100, QTZ: 100, Vein Type: Mass white quartz 102.850 - 103.050 :% Veining: 100, QTZ: 100, Vein Type: Mass white quartz 103.700 - 105.350 :% Veining: 20, QTZ: 90, Vein Type: Ve Quartz with disseminated haematite 125.700 - 126.150 :% Veining: 20, Cal: 30, QTZ: 70, Vein Type: Ve **MINOR INTERVALS:** **Minor Interval:** 61.32 - 61.72 10, quartz vein **Minor Interval:** 73.32 - 73.62 10, quartz vein Quartz breccia vein with entrained mafic fragments
137.00	137.01	**EOH, end of hole**

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745426	73.00	74.00	1.00	0.0025		1.0000	24.0000	9.0000	11.0000
745427	102.00	103.00	1.00	0.0025		0.5000	24.0000	17.0000	7.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-38** | Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-50.40
Project Number:	Mud Lake	North:	5512042.00	North:	0.00	Collar Az:	331.70
Location:	Surface	East:	449892.00	East:	0.00	Length:	149.01
		Elev:	347.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 12, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	149.01
Date Completed:	Oct 13, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	331.70	-50.40	ezShot	OK		**50.00**	330.70	-50.60	ezShot	OK	
150.00	331.40	-50.70	ezShot	OK							

Detailed Lithology

From	To	Lithology
0	3.00	**OB, Overburden**
3.00	34.55	**7b, diorite** Diorite. Massive, undeformed. Medium-coarse feldspar phenocrysts in a fine groundmass of feldspar, amphibole and biotite. Occasional inclusions of diorite porphyry **Alteration** 3.000 - 34.550 :Alteration Type: Silicified, Alteration Intensity: Weak, Alteration Style: Patchy occasional patches of pervasive silicification of the feldspars and groundmass. Associated with small shears and quartz veinlets. **Structure** 20.000 - 20.350 : Structure: VN, Core Axis: 15 True width 7cm 26.700 - 28.000 : Structure: VN, Core Axis: 5 True width 7cm **Mineralization** 26.700 - 28.000 : , Vg: N, Other Min: Hematite, Other Pct: 5.0, Style: Selvage Controlled **Veining** 20.000 - 20.350 :% Veining: 100, QTZ: 99, Vein Type: Mass Quartz with haematite stringers (5%) 26.700 - 28.000 :% Veining: 100, Vein Type: Mass Quartz vein with chloritic mafic inclusions

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745428	20.00	21.00	1.00	0.0025		0.5000	41.0000	7.0000	6.0000
745429	29.75	30.45	0.70	0.0025		0.5000	30.0000	24.0000	7.0000
745430	30.45	31.05	0.60	0.0025		0.5000	79.0000	6.0000	9.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-38** | 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
34.55	38.85	**7b$, schistose diorite** **Alteration** 34.550 - 38.850 :Alteration Type: Silicified, Alteration Intensity: Moderate-Strong, Alteration Style: Pervasive replacement of feldspars and flooding of groundmass 34.550 - 38.850 :Alteration Type: Hematite, Alteration Intensity: Weak-Moderate, Alteration Style: Patchy patchy developement of haematite throughout shear zone **Structure** 34.550 - 38.850 : Structure: SHR, Core Axis: 87 Strong shear										
38.85	62.63	**7b, diorite** Diorite as described above **Structure** 54.900 - 55.300 : Structure: VN, Core Axis: 90 Chloritised mafic rock with brecciated quartz fragments **Veining** 54.900 - 55.300 :% Veining: 100, QTZ: 30, Vein Type: B Predominantly chloritised mafic rock with quartz and a haematitic selvage	745431	53.15	54.00	0.85	0.0025		0.5000	79.0000	3.0000	14.0000
62.63	70.30	**6, mafic intrusive** **Structure** 62.630 - 63.631 : Structure: CNT, Core Axis: 50 Sharp contact **Mineralization** 69.700 - 70.300 : , Py: 3.0, Vg: N, Style: Coarse Grained associated with minor calcite veinlets	745432	69.40	70.60	1.20	0.0060		0.5000	90.0000	95.0000	27.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-38** | Units: METRIC

Detailed Lithology

From	To	Lithology
70.30	149.00	**7b, diorite** As described above **Alteration** 70.300 - 149.000 :Alteration Type: Saussurization, Alteration Intensity: Strong, Alteration Style: Patchy Occasional veinlet controlled patches of saussuritisation 106.200 - 110.050 :Alteration Type: Saussurization, Alteration Intensity: Strong, Alteration Style: Patchy intermittent, veinlet controlled saussuritisation of feldspars 106.200 - 110.050 :Alteration Type: Hematite, Alteration Intensity: Moderate, Alteration Style: Vein haematite in and around veinlets, also associated with saussuritisation 123.750 - 125.700 :Alteration Type: Silicified, Alteration Intensity: Strong-Intense, Alteration Style: Pervasive silicification due to shearing 130.950 - 131.250 :Alteration Type: Silicified, Alteration Intensity: Intense, Alteration Style: Pervasive 135.000 - 142.000 :Alteration Type: Silicified, Alteration Intensity: Intense, Alteration Style: Pervasive 135.100 - 135.600 :Alteration Type: Silicified, Alteration Intensity: Intense, Alteration Style: Pervasive **Structure** 70.300 - 70.301 : Structure: CNT, Core Axis: 56 Sharp contact 75.700 - 82.800 : Structure: VN, Core Axis: 55 A 40cm vein with several smaller ones immediately above and below 124.250 - 124.500 : Structure: SHR, Core Axis: 80 Minor shear with quartz veinlets and minor haematite **Veining** 75.700 - 82.800 :% Veining: 40, QTZ: 95, Vein Type: Mass Quartz veining with entrained chloritised mafic inclusions
149.00	149.01	**EOH, end of hole**

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745433	74.00	75.00	1.00	0.0025		0.5000	50.0000	6.0000	10.0000
745434	75.00	76.00	1.00	0.0025		0.5000	37.0000	8.0000	7.0000
745435	76.00	77.00	1.00	0.0025		0.5000	24.0000	9.0000	7.0000
745436	77.00	78.00	1.00	0.0025		0.5000	25.0000	4.0000	9.0000
745437	78.00	79.00	1.00	0.0025		0.5000	35.0000	6.0000	13.0000
745438	79.00	80.00	1.00	0.0025		0.5000	47.0000	8.0000	13.0000
745439	80.00	81.00	1.00	0.0025		0.5000	44.0000	14.0000	10.0000
745440	81.00	82.00	1.00	0.0025		0.5000	35.0000	5.0000	9.0000
745441	82.00	83.00	1.00	0.0025		0.5000	59.0000	4.0000	10.0000

Alto Ventures Ltd. DETAILED LOG

Hole Number: **MUD08-39** Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-50.00
Project Number:	Mud Lake	North:	5512520.00	North:	0.00	Collar Az:	356.10
Location:	Surface	East:	450436.00	East:	0.00	Length:	47.01
		Elev:	337.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 13, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	47.01
Date Completed:	Oct 13, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Mine Site		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole, capped				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	356.10	-50.00	ezShot	OK		**47.00**	357.20	-50.20	ezShot	OK	

Detailed Lithology

From	To	Lithology
0	1.50	**OB, Overburden**
1.50	13.60	**7b, diorite** Diorite. Massive and largely undeformed. Medium-coarse feldspar phenocrysts in a fine groundmass of feldspar, amphibole and biotite. **Alteration** 5.000 - 11.200 :Alteration Type: Hematite, Alteration Intensity: Moderate, Alteration Style: Pervasive Most likely associated with shearing below 11.200 - 13.600 :Alteration Type: Hematite, Alteration Intensity: Intense, Alteration Style: Pervasive Most likely associated with shearing below
13.60	18.80	**7b$, schistose diorite** Sheared mafic. Probably a dyke **Alteration** 18.150 - 24.500 :Alteration Type: Hematite, Alteration Intensity: Weak, Alteration Style: Pervasive Most likely associated with shearing below **Structure** 13.600 - 18.800 : Structure: SHR, Core Axis: 45 Strong shearing
18.80	47.00	**7b, diorite** **Alteration** 22.400 - 47.000 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive replacement of feldspars and flooding of the groundmass

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745442	8.00	9.00	1.00	0.0025		0.5000	68.0000	34.0000	7.0000
745443	9.00	10.00	1.00	0.0025		0.5000	58.0000	39.0000	8.0000
745444	10.00	11.00	1.00	0.0025		0.5000	56.0000	32.0000	10.0000
745445	11.00	12.00	1.00	0.0025		1.0000	37.0000	45.0000	6.0000
745446	12.00	13.00	1.00	0.0025		0.5000	37.0000	24.0000	9.0000
745447	13.00	14.00	1.00	0.0070		0.5000	49.0000	43.0000	12.0000
745448	14.00	15.00	1.00	0.0025		2.0000	53.0000	4.0000	17.0000
745449	15.00	16.00	1.00	0.0025		0.5000	32.0000	432.0000	8.0000
745451	16.00	17.00	1.00	0.0080		0.5000	46.0000	19.0000	8.0000
745452	17.00	18.00	1.00	0.0025		1.0000	74.0000	5.0000	14.0000
745453	18.00	19.00	1.00	0.0025		0.5000	45.0000	19.0000	8.0000
745454	19.00	20.00	1.00	0.0060		0.5000	42.0000	41.0000	7.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-39** | 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
47.00	47.01	**EOH, end of hole**										

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-40** | Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-50.30
Project Number:	Mud Lake	North:	5512545.00	North:	0.00	Collar Az:	348.40
Location:	Surface	East:	450505.00	East:	0.00	Length:	64.01
		Elev:	327.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 13, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	64.01
Date Completed:	Oct 13, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole, capped				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	338.40	-50.30	ezShot	OK		**50.00**	340.10	-50.20	ezShot	OK	
65.00	348.20	-50.40	ezShot	OK							

Detailed Lithology

From	To	Lithology	Assay Data
0	1.50	**OB, Overburden**	
1.50	10.20	**7b, diorite** Diorite. Massive and largely undeformed. Pervasively silicified **Alteration** 1.500 - 10.200 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive Silcification of feldspars and groundmass due to proximal shearing	
10.20	10.65	**7b$, schistose diorite** Strongly chloritic but with a lot of quartz. Probably a mixture of quartz vein and mafic dyke that's been strongly sheared and mixed up. **Structure** 10.200 - 10.650 : Structure: SHR, Core Axis: 60 Strong shear.	
10.65	24.35	**7b, diorite** **Alteration** 10.650 - 43.550 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive Silcification of feldspars and groundmass due to proximal shearing	

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745468	10.00	11.00	1.00	0.0060		0.5000	93.0000	50.0000	19.0000
745455	23.00	24.00	1.00	0.0080		0.5000	48.0000	63.0000	9.0000
745456	24.00	25.00	1.00	0.0080		2.0000	77.0000	5.0000	13.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-40** | 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
24.35	26.02	**7b$, schistose diorite** Sheared diorite but with a high proportion of mafic material - possibly incorporated a mafic dyke into the shear **Structure** 24.350 - 26.020 : Structure: SHR, Core Axis: 60 Strong shear	745457	25.00	26.00	1.00	0.0110		2.0000	67.0000	2.0000	16.0000
			745458	26.00	27.00	1.00	0.0025		1.0000	84.0000	21.0000	11.0000
26.02	43.55	**7b, diorite** **Alteration** 27.900 - 28.200 :Alteration Type: Hematite, Alteration Intensity: Intense, Alteration Style: Pervasive **Veining** 27.000 - 27.750 :% Veining: 60, Cal: 5, QTZ: 95, Vein Type: Mass Core touches the edge of a subparallel quartz vein with narrow carbonate edges	745459	27.00	28.00	1.00	0.0090		0.5000	20.0000	36.0000	7.0000
			745460	28.00	29.00	1.00	0.0060		1.0000	20.0000	37.0000	6.0000
			745461	43.00	44.00	1.00	0.0025		0.5000	68.0000	74.0000	11.0000
43.55	44.32	**7b$, schistose diorite** **Structure** 43.550 - 44.320 : Structure: SHR, Core Axis: 53 Moderate shear **Mineralization** 43.550 - 50.380 : , Cp: 1.0, Py: 2.0, Vg: N, Style: Disseminated	745462	44.00	45.00	1.00	0.0180		0.5000	59.0000	47.0000	11.0000
44.32	45.75	**10, quartz vein** White quartz with minor carbonate. Small, whispy inclusions of mafic material and slighly larger in inclusions carrying sulphides **Veining** 44.320 - 45.750 :% Veining: 100, Cal: 2, QTZ: 98, Vein Type: Mass	745463	45.00	46.00	1.00	0.1190		1.0000	55.0000	137.0000	14.0000
45.75	50.38	**7b$, schistose diorite** **Structure** 45.750 - 50.380 : Structure: SHR, Core Axis: 53 Moderate shear **Veining** 45.750 - 50.380 :% Veining: 10, Cal: 30, QTZ: 70, Vein Type: Str	745464	46.00	47.00	1.00	0.1820		0.5000	111.0000	1615.0000	23.0000
			745465	47.00	48.00	1.00	0.0650		0.5000	89.0000	1330.0000	34.0000
			745466	48.00	49.00	1.00	0.0370		0.5000	89.0000	115.0000	25.0000
			745467	49.00	50.20	1.20	0.0410		0.5000	69.0000	41.0000	17.0000

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-40** | 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
50.38	64.00	**7b, diorite** **Veining** 52.900 - 53.000 :% Veining: 100, Cal: 80, QTZ: 10, Fsp: 10, Vein Type: B also fragments of mafic rock										
64.00	64.01	**EOH, end of hole**										

Alto Ventures Ltd. DETAILED LOG

Hole Number: **MUD08-41** Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-49.80
Project Number:	Mud Lake	North:	5512107.00	North:	0.00	Collar Az:	336.00
Location:	Surface	East:	449973.00	East:	0.00	Length:	104.01
		Elev:	341.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 14, 2008	Collar Survey:	N	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	104.01
Date Completed:	Oct 14, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Mine Site		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole, capped				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
17.00	123.50	-49.80	ezShot	DO		**50.00**	125.20	-49.20	ezShot	DO	
104.00	344.20	-49.80	ezShot	OK							

Detailed Lithology

From	To	Lithology
0	1.50	**OB, Overburden** **Alteration** 0 - 0 :

Assay Data

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

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-41** | Units: METRIC

Detailed Lithology

From	To	Lithology
1.50	31.73	**7b, diorite** Diorite. Massive and largely undeformed. Medium-coarse feldspar phenocrysts in a fine groundmass of feldspar, amphibole and biotite. Occasional small inclusions of diorite porphyry. **Alteration** 1.500 - 31.730 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive Pervasive silicification of feldspars and groundmass, occurring in patches 27.550 - 31.700 :Alteration Type: Potassic alteration, Alteration Intensity: Intense, Alteration Style: Pervasive red alteration along fractures and feldspars, possible K alteraion or hematite **Structure** 3.100 - 4.100 : Structure: SHR, Core Axis: 80 weak shear 24.100 - 27.400 : Structure: SHR, Core Axis: 60 weak shear 31.700 - 31.701 : Structure: CNT, Core Axis: 60 Sharp contact with chilled margin 31.701 - 31.702 : Structure: CNT, Core Axis: 42 Sharp contact **Mineralization** 27.550 - 31.700 : , Py: 3.0, Vg: N, Other Min: Calcite, Other Pct: 3.0, Style: Disseminated
31.73	38.23	**6, mafic intrusive**
38.23	79.70	**7b, diorite** Diorite as described above **Alteration** 77.850 - 79.700 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive relating to quartz veining below **Mineralization** 77.850 - 79.700 : , Py: 2.0, Vg: N, Style: Disseminated
79.70	80.37	**10, quartz vein** **Structure** 79.800 - 80.740 : Structure: VN, Core Axis: 43 Quartz-k-feldspar-mafic breccia
80.37	104.00	**7b, diorite** Diorite as described above
104.00	104.01	**EOH, end of hole**

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745472	27.40	28.00	0.60	0.1310		0.5000	479.0000	57.0000	9.0000
745473	28.00	29.00	1.00	0.0050		0.5000	112.0000	9.0000	9.0000
745474	29.00	30.00	1.00	0.0025		0.5000	60.0000	4.0000	15.0000
745476	30.00	31.00	1.00	0.0025		0.5000	28.0000	3.0000	11.0000
745477	31.00	31.70	0.70	0.0025		0.5000	31.0000	2.0000	11.0000
745469	77.70	78.70	1.00	0.0025		1.0000	41.0000	15.0000	13.0000
745470	78.70	79.70	1.00	0.0025		0.5000	35.0000	14.0000	12.0000
745471	79.70	80.40	0.70	0.0025		0.5000	44.0000	20.0000	10.0000

Alto Ventures Ltd.

DETAILED LOG

Hole Number: **MUD08-42**

Units: METRIC

Project Name:	Mud Lake	Primary Coordinates	Grid: UTM83-17	Field Coordinates	Grid:	Collar Dip:	-48.80
Project Number:	Mud Lake	North:	5511746.00	North:	0.00	Collar Az:	126.10
Location:	Surface	East:	449199.00	East:	0.00	Length:	103.00
		Elev:	351.00	Elev:	0.00	Start Depth:	0.00
Date Started:	Oct 15, 2008	Collar Survey:	Y	Plugged:	N	Contractor:	Cobra Drilling	Final Depth:	103.00
Date Completed:	Oct 15, 2008	Multishot Survey:	N	Hole Size:	NQ	Core Storage:	Core Shed		
Logged By:	Richard Lumb	Pulse EM Survey:	N	Casing:	Left in Hole, capped				

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
100.00	126.10	-48.80	ezShot	OK							

Detailed Lithology

From	To	Lithology
0	3.00	**OB, Overburden** **Veining** 0 - 0 :, Vein Type:

Assay Data

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

Alto Ventures Ltd. — DETAILED LOG

Hole Number: **MUD08-42** | Units: METRIC

Detailed Lithology

From	To	Lithology
3.00	66.90	**7b, diorite** Diorite. Massive and undeformed. Medium-coarse feldspar phenocrysts in a fine groundmass of feldspar, amphibole and biotite. **Alteration** 3.000 - 69.900 :Alteration Type: Saussurization, Alteration Intensity: Strong, Alteration Style: Patchy Patchily pervasive 50.250 - 53.000 :Alteration Type: Silicified, Alteration Intensity: Strong, Alteration Style: Pervasive 63.200 - 75.900 :Alteration Type: Silicified, Alteration Intensity: Intense, Alteration Style: Pervasive associated with shearing **Structure** 33.200 - 33.700 : Structure: SHR, Core Axis: 60 weak shear **Mineralization** 33.200 - 33.700 : , Py: 5.0, Vg: N, Style: Coarse Grained Disseminated, coarse grained pyrite **Veining** 58.400 - 58.800 :% Veining: 100, QTZ: 60, Vein Type: B Quartz-mafic breccia **MINOR INTERVALS:** **Minor Interval:** 62.68 - 63 8a, aplite
66.90	75.10	**7b$, schistose diorite** **Structure** 66.900 - 75.100 : Structure: SHR, Core Axis: 55 target shear zone **Mineralization** 70.550 - 70.560 : , Py: 90.0, Vg: N, Style: Stringers Pyrite stringer
75.10	103.00	**7b, diorite** Diorite as described above **Alteration** 83.300 - 86.200 :Alteration Type: Silicified, Alteration Intensity: Intense, Alteration Style: Pervasive

Assay Data

Sample Number	From	To	Length	Au gpt	Au repeat	Ag ppm	Zn ppm	Cu ppm	Pb ppm
745478	33.00	33.80	0.80	0.0025		0.5000	51.0000	39.0000	9.0000
745488	58.30	58.90	0.60	0.0025		0.5000	27.0000	5.0000	10.0000
745479	67.00	68.00	1.00	0.0025		0.5000	61.0000	20.0000	8.0000
745480	68.00	69.00	1.00	0.0025		0.5000	67.0000	39.0000	11.0000
745481	69.00	70.00	1.00	0.0025		0.5000	59.0000	25.0000	11.0000
745482	70.00	71.00	1.00	0.0090		0.5000	48.0000	66.0000	12.0000
745483	71.00	72.00	1.00	0.0025		0.5000	52.0000	32.0000	9.0000
745484	72.00	73.00	1.00	0.0025		0.5000	75.0000	34.0000	11.0000
745485	73.00	74.00	1.00	0.0025		0.5000	52.0000	30.0000	11.0000
745486	74.00	75.00	1.00	0.0025		0.5000	54.0000	17.0000	9.0000
745487	75.00	76.00	1.00	0.0025		0.5000	58.0000	18.0000	10.0000
745489	83.25	84.25	1.00	0.0025		0.5000	55.0000	5.0000	12.0000
745490	84.25	85.00	0.75	0.0025		0.5000	63.0000	7.0000	11.0000
745491	85.00	86.00	1.00	0.0060		0.5000	134.0000	21.0000	27.0000
745492	86.00	87.00	1.00	0.0025		0.5000	104.0000	6.0000	17.0000

APPENDIX B

DIAMOND DRILL HOLE GOLD ASSAY 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

Certificate of Analysis

Tuesday, November 11, 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: Oct 22, 2008
Date Completed: Nov 11, 2008

Job #: 200843984
Reference:
Sample #: 142 Core

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
328297		745351	28	<0.001	0.028
328298		745352	<5	<0.001	<0.005
328299		745353	<5	<0.001	<0.005
328300		745354	<5	<0.001	<0.005
328301		745355	5	<0.001	0.005
328302		745356	8	<0.001	0.008
328303		745357	<5	<0.001	<0.005
328304		745358	<5	<0.001	<0.005
328305		745359	6	<0.001	0.006
328306	Dup	745359	<5	<0.001	<0.005
328307		745360	<5	<0.001	<0.005
328308		745361	<5	<0.001	<0.005
328309		745362	<5	<0.001	<0.005
328310		745363	<5	<0.001	<0.005
328311		745364	<5	<0.001	<0.005
328312		745365	<5	<0.001	<0.005
328313		745366	<5	<0.001	<0.005
328314		745367	10	<0.001	0.010
328315		745368	21	<0.001	0.021
328316		745369	13	<0.001	0.013
328317	Dup	745369	7	<0.001	0.007
328318		745370	17	<0.001	0.017
328319		745371	<5	<0.001	<0.005
328320		745372	6	<0.001	0.006

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

Certificate of Analysis

Tuesday, November 11, 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: Oct 22, 2008
Date Completed: Nov 11, 2008

Job #: 200843984
Reference:
Sample #: 142 Core

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
328321		745373	<5	<0.001	<0.005
328322		745374	<5	<0.001	<0.005
328323		745375	4934	0.144	4.934
328324		745376	40	0.001	0.040
328325		745377	58	0.002	0.058
328326		745378	6	<0.001	0.006
328327		745379	6	<0.001	0.006
328328	Dup	745379	5	<0.001	0.005
328329		745380	7	<0.001	0.007
328330		745381	9	<0.001	0.009
328331		745382	7	<0.001	0.007
328332		745383	7	<0.001	0.007
328333		745384	<5	<0.001	<0.005
328334		745385	<5	<0.001	<0.005
328335		745386	<5	<0.001	<0.005
328336		745387	<5	<0.001	<0.005
328337		745388	<5	<0.001	<0.005
328338		745389	<5	<0.001	<0.005
328339	Dup	745389	6	<0.001	0.006
328340		745390	<5	<0.001	<0.005
328341		745391	<5	<0.001	<0.005
328342		745392	8	<0.001	0.008
328343		745393	<5	<0.001	<0.005
328344		745394	<5	<0.001	<0.005

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Certificate of Analysis

Tuesday, November 11, 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: Oct 22, 2008
Date Completed: Nov 11, 2008

Job #: 200843984
Reference:
Sample #: 142 Core

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
328345		745395	<5	<0.001	<0.005
328346		745396	<5	<0.001	<0.005
328347		745397	<5	<0.001	<0.005
328348		745398	<5	<0.001	<0.005
328349		745399	<5	<0.001	<0.005
328350	Dup	745399	<5	<0.001	<0.005
328351		745400	4875	0.142	4.875
328352		745401	<5	<0.001	<0.005
328353		745402	<5	<0.001	<0.005
328354		745403	<5	<0.001	<0.005
328355		745404	40	0.001	0.040
328356		745405	<5	<0.001	<0.005
328357		745406	<5	<0.001	<0.005
328358		745407	<5	<0.001	<0.005
328359		745408	8	<0.001	0.008
328360		745409	<5	<0.001	<0.005
328361	Rep	745409	6	<0.001	0.006
328362		745410	<5	<0.001	<0.005
328363		745411	<5	<0.001	<0.005
328364		745412	<5	<0.001	<0.005
328365		745413	<5	<0.001	<0.005
328366		745414	7	<0.001	0.007
328367		745415	14	<0.001	0.014
328368		745416	8	<0.001	0.008

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Job #: 200843984
Reference:
Sample #: 142 Core

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
328369		745417	<5	<0.001	<0.005
328370		745418	12	<0.001	0.012
328371		745419	<5	<0.001	<0.005
328372	Dup	745419	<5	<0.001	<0.005
328373		745420	<5	<0.001	<0.005
328374		745421	<5	<0.001	<0.005
328375		745422	<5	<0.001	<0.005
328376		745423	<5	<0.001	<0.005
328377		745424	<5	<0.001	<0.005
328378		745425	4912	0.143	4.912
328379		745426	<5	<0.001	<0.005
328380		745427	<5	<0.001	<0.005
328381		745428	<5	<0.001	<0.005
328382		745429	<5	<0.001	<0.005
328383	Dup	745429	<5	<0.001	<0.005
328384		745430	<5	<0.001	<0.005
328385		745431	<5	<0.001	<0.005
328386		745432	6	<0.001	0.006
328387		745433	<5	<0.001	<0.005
328388		745434	<5	<0.001	<0.005
328389		745435	<5	<0.001	<0.005
328390		745436	<5	<0.001	<0.005
328391		745437	<5	<0.001	<0.005
328392		745438	<5	<0.001	<0.005

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Job #: 200843984
Reference:
Sample #: 142 Core

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
328393		745439	<5	<0.001	<0.005
328394	Dup	745439	<5	<0.001	<0.005
328395		745440	<5	<0.001	<0.005
328396		745441	<5	<0.001	<0.005
328397		745442	<5	<0.001	<0.005
328398		745443	<5	<0.001	<0.005
328399		745444	<5	<0.001	<0.005
328400		745445	<5	<0.001	<0.005
328401		745446	<5	<0.001	<0.005
328402		745447	7	<0.001	0.007
328403		745448	<5	<0.001	<0.005
328404		745449	<5	<0.001	<0.005
328405	Dup	745449	<5	<0.001	<0.005
328406		745450	4894	0.143	4.894
328407		745451	8	<0.001	0.008
328408		745452	<5	<0.001	<0.005
328409		745453	<5	<0.001	<0.005
328410		745454	6	<0.001	0.006
328411		745455	8	<0.001	0.008
328412		745456	8	<0.001	0.008
328413		745457	11	<0.001	0.011
328414		745458	<5	<0.001	<0.005
328415		745459	11	<0.001	0.011
328416	Dup	745459	9	<0.001	0.009

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Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
328417		745460	6	<0.001	0.006
328418		745461	<5	<0.001	<0.005
328419		745462	18	<0.001	0.018
328420		745463	119	0.003	0.119
328421		745464	182	0.005	0.182
328422		745465	65	0.002	0.065
328423		745466	37	0.001	0.037
328424		745467	41	0.001	0.041
328425		745468	6	<0.001	0.006
328426		745469	<5	<0.001	<0.005
328427	Rep	745469	<5	<0.001	<0.005
328428		745470	<5	<0.001	<0.005
328429		745471	<5	<0.001	<0.005
328430		745472	131	0.004	0.131
328431		745473	5	<0.001	0.005
328432		745474	<5	<0.001	<0.005
328433		745475	5071	0.148	5.071
328434		745476	<5	<0.001	<0.005
328435		745477	<5	<0.001	<0.005
328436		745478	<5	<0.001	<0.005
328437		745479	<5	<0.001	<0.005
328438	Dup	745479	<5	<0.001	<0.005
328439		745480	<5	<0.001	<0.005
328440		745481	<5	<0.001	<0.005

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Job #: 200843984
Reference:
Sample #: 142 Core

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
328441		745482	9	<0.001	0.009
328442		745483	<5	<0.001	<0.005
328443		745484	<5	<0.001	<0.005
328444		745485	<5	<0.001	<0.005
328445		745486	<5	<0.001	<0.005
328446		745487	<5	<0.001	<0.005
328447		745488	<5	<0.001	<0.005
328448		745489	<5	<0.001	<0.005
328449	Dup	745489	<5	<0.001	<0.005
328450		745490	<5	<0.001	<0.005
328451		745491	6	<0.001	0.006
328452		745492	<5	<0.001	<0.005

PROCEDURE CODES: AL4AU3, AL4ICPAR

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested
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approval of the laboratory

AL903-0519-11/11/2008 10:42 AM

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Alto Ventures Ltd.
Date Created: 08-11-12 10:26:31 AM
Job Number: 200843984
Date Received: Oct 22, 2008
Number of Samples: 142
Type of Sample: Core
Date Completed: Nov 11, 2008
Project ID:

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*The methods used for these analysis are not accredited under ISO/IEC 17025

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
328297	745351	<1	1.84	6	57	25	<1	6	3.10	<4	15	75	49	3.37	0.12	15	1.12	659	1	0.04	30	598	10	<5	<5	0.09	<10	71	<100	1	25	<10	5	58
328298	745352	<1	1.41	2	52	43	<1	3	3.89	<4	16	32	18	2.66	0.25	10	0.78	580	<1	0.02	25	304	14	8	<5	0.08	<10	67	<100	<1	13	<10	6	31
328299	745353	<1	1.29	<2	47	44	<1	2	4.31	<4	12	33	24	2.79	0.28	11	0.81	603	<1	0.03	25	540	10	5	<5	0.09	<10	73	<100	3	12	<10	6	28
328300	745354	<1	1.30	2	51	19	<1	5	3.43	<4	15	16	20	3.47	0.10	12	1.11	715	<1	0.02	28	329	13	7	<5	0.06	<10	60	<100	<1	18	<10	6	39
328301	745355	<1	1.80	6	41	25	<1	9	3.98	<4	25	41	27	4.65	0.14	13	1.19	918	<1	0.02	29	622	19	8	<5	0.08	<10	71	<100	<1	17	<10	5	59
328302	745356	<1	0.87	11	43	38	<1	5	4.61	<4	20	53	97	1.83	0.18	8	0.53	424	3	0.03	23	811	10	<5	<5	0.08	<10	28	583	1	15	<10	6	25
328303	745357	<1	1.47	5	49	18	<1	6	4.12	<4	15	36	20	3.33	0.12	13	1.13	729	<1	0.03	28	778	12	11	<5	0.07	<10	85	<100	<1	22	<10	5	37
328304	745358	<1	1.59	<2	40	12	<1	2	3.22	<4	15	21	4	3.52	0.08	14	1.17	674	<1	0.03	28	722	12	10	<5	0.07	<10	59	<100	<1	25	<10	4	54
328305	745359	<1	1.82	6	49	14	<1	6	3.47	<4	16	37	3	3.78	0.10	16	1.23	606	<1	0.04	31	272	14	10	<5	0.09	<10	56	<100	<1	30	<10	4	63
328306	745359	<1	1.81	<2	44	14	<1	11	3.47	<4	18	36	2	3.79	0.10	16	1.24	605	<1	0.03	31	500	13	<5	<5	0.08	<10	52	<100	<1	30	<10	4	67
328307	745360	<1	1.25	2	52	14	<1	6	3.47	<4	13	26	14	3.25	0.09	11	1.11	679	<1	0.03	30	561	12	<5	<5	0.05	<10	62	<100	1	20	<10	4	38
328308	745361	<1	1.07	2	43	29	<1	8	3.65	<4	17	214	31	3.18	0.24	8	1.08	673	1	0.03	66	358	12	9	<5	0.07	<10	72	<100	4	14	<10	5	33
328309	745362	<1	1.00	<2	52	19	<1	5	3.67	<4	13	40	27	2.89	0.12	10	1.13	667	1	0.02	33	724	10	6	<5	0.04	<10	84	<100	<1	13	<10	4	34
328310	745363	2	1.40	3	46	21	<1	6	3.31	<4	14	1390	23	3.07	0.15	13	0.88	682	33	0.02	82	883	14	13	<5	0.07	<10	71	<100	<1	19	<10	5	39
328311	745364	<1	1.47	5	42	25	<1	4	3.75	<4	18	230	22	2.95	0.15	11	0.92	742	5	0.03	36	467	10	8	<5	0.07	<10	80	<100	<1	17	<10	6	43
328312	745365	<1	1.51	<2	49	15	<1	2	3.73	<4	16	66	37	3.02	0.07	11	1.03	598	1	0.04	30	535	11	9	<5	0.07	<10	89	<100	<1	32	<10	5	43
328313	745366	<1	1.49	<2	52	17	<1	6	2.93	<4	11	46	76	3.00	0.08	10	1.05	530	<1	0.03	33	628	9	8	<5	0.06	<10	68	<100	<1	26	<10	7	46
328314	745367	<1	1.30	4	42	21	<1	2	3.69	<4	15	50	41	2.68	0.10	13	0.96	516	<1	0.03	25	618	10	7	<5	0.06	<10	45	724	<1	28	<10	7	37
328315	745368	<1	1.18	4	44	10	<1	2	4.48	<4	16	30	37	2.62	0.06	12	0.96	573	3	0.04	23	473	9	8	<5	0.06	<10	75	637	1	30	<10	7	36
328316	745369	<1	1.15	<2	54	8	<1	6	4.15	<4	11	78	19	2.38	0.03	11	0.94	522	1	0.05	22	481	7	7	<5	0.09	<10	64	613	<1	25	<10	6	37
328317	745369	<1	1.12	5	51	8	<1	1	4.06	<4	11	192	24	2.37	0.03	11	0.92	518	11	0.05	61	469	9	6	<5	0.10	<10	63	621	<1	25	<10	6	35
328318	745370	<1	1.08	4	52	9	<1	5	4.73	<4	10	37	44	2.26	0.04	10	0.80	529	<1	0.04	18	494	10	<5	<5	0.07	<10	65	752	<1	29	<10	7	31

Certified By:
Derek Demianiuk, H.Bsc.

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Alto Ventures Ltd.
Date Created: 08-11-12 10:26:31 AM
Job Number: 200843984
Date Received: Oct 22, 2008
Number of Samples: 142
Type of Sample: Core
Date Completed: Nov 11, 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
328319	745371	<1	1.26	6	43	33	<1	3	2.61	<4	10	96	34	2.51	0.15	13	0.84	424	<1	0.03	34	571	8	11	<5	0.06	<10	61	<100	<1	15	<10	5	33
328320	745372	<1	1.39	<2	41	15	<1	3	2.62	<4	10	30	36	2.81	0.07	16	0.94	461	1	0.03	25	415	8	11	<5	0.04	<10	69	<100	5	24	<10	4	44
328321	745373	<1	1.86	3	49	21	<1	6	3.68	<4	15	179	15	3.41	0.14	20	1.11	613	2	0.03	39	124	13	8	<5	0.08	<10	87	<100	3	21	<10	5	55
328322	745374	<1	1.74	<2	48	17	<1	5	4.37	<4	14	134	51	3.23	0.13	19	1.09	665	3	0.02	35	882	14	9	<5	0.06	<10	113	<100	3	17	<10	5	50
328323	745375	<1	1.47	3865	48	160	<1	11	1.36	<4	9	30	57	7.63	0.21	11	0.73	431	5	0.07	24	710	101	10	<5	0.03	<10	129	769	<1	38	<10	5	59
328324	745376	<1	1.23	9	44	20	<1	3	3.56	<4	10	47	41	2.46	0.16	13	0.83	527	2	0.02	22	1043	9	7	<5	0.07	<10	93	<100	4	10	<10	4	34
328325	745377	<1	0.99	18	40	18	<1	2	3.89	<4	13	22	35	2.18	0.12	11	0.72	536	4	0.02	24	899	9	6	<5	0.05	<10	102	<100	4	8	<10	5	26
328326	745378	<1	2.60	2	42	16	<1	8	3.55	<4	24	70	69	4.25	0.08	32	2.02	731	<1	0.02	76	823	14	9	<5	0.08	<10	74	<100	<1	39	<10	5	61
328327	745379	<1	2.47	<2	40	26	<1	3	3.73	<4	20	55	43	4.03	0.10	30	1.89	726	<1	0.04	65	510	10	10	<5	0.09	<10	80	<100	<1	36	<10	5	60
328328	745379	<1	2.58	<2	43	28	<1	7	3.82	<4	21	71	42	4.18	0.10	31	1.97	745	<1	0.04	70	549	13	10	<5	0.08	<10	82	<100	<1	37	<10	5	60
328329	745380	<1	2.37	<2	39	32	<1	2	2.98	<4	20	67	33	3.97	0.08	29	1.81	618	<1	0.03	65	689	13	10	<5	0.08	<10	69	<100	8	33	<10	5	63
328330	745381	<1	1.08	4	47	54	<1	2	3.01	<4	10	74	26	2.31	0.09	13	0.83	460	<1	0.03	30	557	8	6	<5	0.05	<10	84	<100	<1	14	<10	5	28
328331	745382	<1	0.46	3	45	27	<1	3	2.80	<4	8	82	14	2.17	0.14	5	0.55	435	1	0.04	17	625	11	9	<5	0.06	<10	58	<100	<1	11	<10	6	17
328332	745383	<1	0.38	4	56	22	<1	1	3.02	<4	8	26	23	1.84	0.12	4	0.64	486	<1	0.03	15	905	9	7	<5	0.04	<10	64	<100	<1	7	<10	6	16
328333	745384	<1	1.21	<2	40	30	<1	<1	2.26	<4	12	87	10	2.56	0.14	14	0.88	411	<1	0.05	27	345	10	8	<5	0.09	<10	52	<100	<1	16	<10	5	42
328334	745385	<1	1.34	4	36	25	<1	3	2.34	<4	10	56	21	2.52	0.12	16	0.95	446	<1	0.04	24	815	8	8	<5	0.09	<10	46	<100	<1	15	<10	5	48
328335	745386	<1	1.23	<2	41	24	<1	6	2.78	<4	10	82	28	2.39	0.12	15	0.86	504	<1	0.03	28	921	9	8	<5	0.08	<10	43	<100	3	14	<10	6	37
328336	745387	1	1.21	4	39	12	<1	3	4.55	<4	9	43	2	2.12	0.03	14	0.87	814	<1	0.02	21	251	9	7	<5	0.06	<10	62	373	1	15	<10	5	41
328337	745388	<1	0.57	<2	37	47	<1	2	1.64	<4	4	110	33	1.13	0.21	4	0.27	215	1	0.04	15	489	4	8	<5	0.07	<10	42	138	1	4	<10	6	9
328338	745389	<1	1.22	4	32	27	<1	5	3.00	<4	11	31	11	2.30	0.15	10	0.84	485	<1	0.02	25	699	8	<5	<5	0.06	<10	83	144	<1	13	<10	5	31
328339	745389	<1	1.25	4	38	26	<1	2	3.12	<4	12	42	12	2.37	0.15	11	0.86	502	3	0.03	27	420	8	6	<5	0.06	<10	83	147	<1	13	<10	5	29
328340	745390	<1	1.40	3	36	27	<1	9	2.68	<4	14	65	21	2.71	0.14	12	1.00	523	<1	0.04	30	559	10	<5	<5	0.09	<10	73	<100	4	18	<10	6	33

Certified By:
Derek Demianiuk, H.Bsc.

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

Alto Ventures Ltd.
Date Created: 08-11-12 10:26:31 AM
Job Number: 200843984
Date Received: Oct 22, 2008
Number of Samples: 142
Type of Sample: Core
Date Completed: Nov 11, 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
328341	745391	<1	1.12	6	34	24	<1	3	3.06	<4	10	36	10	2.43	0.12	10	0.85	505	<1	0.04	24	424	9	9	<5	0.06	<10	81	<100	<1	16	<10	6	25
328342	745392	<1	1.34	<2	40	41	<1	3	3.40	<4	13	82	13	2.71	0.22	11	0.97	607	<1	0.05	31	592	11	5	<5	0.10	<10	79	283	<1	20	<10	7	30
328343	745393	<1	1.32	<2	39	28	<1	6	1.99	<4	21	49	16	2.41	0.11	12	0.91	477	2	0.03	30	323	9	8	<5	0.07	<10	31	665	<1	15	<10	8	40
328344	745394	<1	1.55	4	37	34	<1	<1	3.50	<4	22	76	25	2.58	0.13	15	1.09	665	<1	0.05	33	441	10	6	<5	0.12	<10	45	837	<1	25	<10	9	48
328345	745395	<1	3.08	6	41	5	<1	11	1.58	<4	44	166	124	5.58	<0.01	23	2.62	984	<1	0.03	75	281	15	6	<5	0.08	<10	33	2315	1	93	<10	5	82
328346	745396	<1	2.89	7	37	4	<1	7	1.58	<4	50	166	119	5.41	<0.01	20	2.42	944	<1	0.02	70	265	13	10	<5	0.10	<10	33	1953	<1	86	<10	4	78
328347	745397	<1	1.73	5	35	26	<1	2	1.70	<4	15	106	26	3.04	0.10	14	1.25	473	3	0.05	48	714	11	6	<5	0.12	<10	34	1082	<1	35	<10	8	44
328348	745398	<1	1.80	5	35	41	<1	5	2.81	<4	18	190	12	3.21	0.22	16	1.21	542	<1	0.04	44	787	9	8	<5	0.13	<10	29	859	<1	26	<10	8	46
328349	745399	<1	1.55	3	34	27	<1	4	1.54	<4	14	134	14	2.84	0.12	14	1.11	430	<1	0.04	36	270	10	9	<5	0.09	<10	17	630	<1	22	<10	6	42
328350	745399	<1	1.64	3	34	28	<1	3	1.63	<4	14	113	14	2.99	0.12	15	1.17	450	<1	0.04	36	703	10	9	<5	0.11	<10	17	632	<1	24	<10	6	46
328351	745400	<1	1.46	4009	36	161	<1	10	1.35	<4	9	33	59	7.72	0.21	11	0.74	433	6	0.06	25	739	38	7	<5	0.04	<10	130	693	3	38	<10	5	61
328352	745401	<1	1.56	3	36	26	<1	<1	3.33	<4	13	166	16	2.89	0.11	13	1.09	523	2	0.05	33	500	8	9	<5	0.11	<10	23	688	<1	24	<10	10	43
328353	745402	<1	2.19	<2	32	24	<1	7	2.82	<4	19	121	11	3.91	0.12	18	1.59	631	<1	0.04	58	655	15	6	<5	0.13	<10	38	824	<1	33	<10	8	61
328354	745403	<1	2.44	2	35	36	<1	5	2.77	<4	22	217	13	4.25	0.19	21	1.78	685	3	0.03	76	969	15	8	<5	0.15	<10	41	1003	<1	31	<10	7	67
328355	745404	<1	1.38	<2	38	52	<1	3	3.19	<4	13	108	1568	2.58	0.20	12	0.88	492	<1	0.04	28	426	10	7	<5	0.10	<10	37	1010	<1	18	<10	9	34
328356	745405	<1	1.68	<2	37	36	<1	4	2.55	<4	15	155	31	3.00	0.14	14	1.14	478	<1	0.05	35	648	12	6	<5	0.12	<10	40	989	<1	26	<10	8	46
328357	745406	<1	2.41	4	45	31	<1	5	3.65	<4	21	104	61	4.16	0.14	23	1.83	683	<1	0.03	61	1214	13	6	<5	0.10	<10	59	814	<1	38	<10	9	70
328358	745407	<1	1.61	<2	38	43	<1	5	2.74	<4	11	152	7	2.85	0.17	14	1.07	488	<1	0.05	36	634	12	12	<5	0.12	<10	53	<100	1	20	<10	11	39
328359	745408	<1	3.34	3	42	14	<1	5	4.15	<4	32	142	35	5.74	0.06	31	2.64	923	<1	0.04	89	444	18	9	<5	0.12	<10	78	767	<1	84	<10	13	93
328360	745409	<1	2.98	3	40	21	<1	4	3.02	<4	25	135	63	5.10	0.09	27	2.24	830	<1	0.03	63	809	18	8	<5	0.10	<10	53	114	<1	57	<10	9	105
328361	745409	<1	2.82	<2	33	19	<1	13	3.07	<4	24	113	46	4.83	0.08	25	2.13	796	<1	0.03	65	635	17	5	<5	0.10	<10	55	207	<1	56	<10	10	95
328362	745410	<1	1.69	<2	34	32	<1	7	2.37	<4	13	165	83	3.02	0.15	13	1.08	476	2	0.06	31	579	11	5	<5	0.17	<10	48	<100	<1	23	<10	9	48

Certified By:
Derek Demianiuk, H.Bsc.

ACCURASSAY LABORATORIES
1046 Gorham Street
Thunder Bay, ON
Canada P7B 5X5
Tel: (807) 626-1630
Fax: (807) 622-7571
www.accurassay.com
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328363	745411	<1	1.51	<2	36	34	<1	4	2.83	<4	12	86	31	2.75	0.15	11	0.95	546	<1	0.05	25	457	11	9	<5	0.13	<10	53	<100	<1	17	<10	6	42
328364	745412	<1	1.50	<2	40	44	<1	2	2.01	<4	10	197	71	2.73	0.21	11	0.87	493	<1	0.04	24	676	10	<5	<5	0.05	<10	43	<100	2	14	<10	6	36
328365	745413	<1	1.32	<2	42	43	<1	2	2.19	<4	12	102	52	2.37	0.18	9	0.79	450	<1	0.04	21	685	12	7	<5	0.05	<10	50	<100	<1	16	<10	6	31
328366	745414	<1	1.29	<2	38	46	<1	4	3.03	<4	13	215	76	2.32	0.21	9	0.70	546	<1	0.04	22	266	9	<5	<5	0.05	<10	47	<100	<1	14	<10	8	29
328367	745415	<1	1.17	<2	42	45	<1	5	2.70	<4	12	133	83	1.96	0.27	8	0.58	475	<1	0.03	22	255	9	5	<5	0.05	<10	72	<100	3	9	<10	4	26
328368	745416	<1	1.10	5	44	50	<1	<1	1.93	<4	11	205	7	1.86	0.27	7	0.50	349	<1	0.04	18	478	8	7	<5	0.05	<10	52	<100	<1	8	<10	4	21
328369	745417	<1	1.18	4	44	42	<1	<1	1.87	<4	8	115	7	2.19	0.21	7	0.61	328	<1	0.04	20	367	7	<5	<5	0.04	<10	42	<100	<1	12	<10	4	22
328370	745418	<1	1.28	<2	43	46	<1	4	2.18	<4	8	224	28	2.35	0.24	8	0.65	347	<1	0.05	21	474	8	5	<5	0.04	<10	40	<100	<1	14	<10	4	22
328371	745419	<1	1.24	2	43	36	<1	5	3.13	<4	11	85	27	2.44	0.23	8	0.78	476	<1	0.03	23	148	8	6	<5	0.04	<10	67	<100	<1	14	<10	5	27
328372	745419	<1	1.23	<2	38	35	<1	3	3.14	<4	10	82	26	2.46	0.22	9	0.78	481	<1	0.03	24	621	8	6	<5	0.04	<10	65	<100	<1	13	<10	5	26
328373	745420	<1	1.35	<2	41	43	<1	3	3.23	<4	13	106	31	2.52	0.31	9	0.78	495	<1	0.03	26	626	9	7	<5	0.05	<10	68	<100	4	14	<10	5	28
328374	745421	<1	1.62	3	36	38	<1	6	3.96	<4	13	41	31	3.03	0.26	13	1.05	648	<1	0.03	29	426	10	7	<5	0.06	<10	86	<100	2	18	<10	5	39
328375	745422	<1	2.07	<2	37	68	<1	10	3.85	<4	18	76	53	4.02	0.12	19	1.69	728	<1	0.04	32	1173	14	<5	<5	0.07	<10	138	<100	<1	67	<10	7	68
328376	745423	<1	2.79	5	42	372	<1	10	5.13	<4	27	291	83	4.80	0.04	28	2.97	940	1	0.04	53	1549	16	<5	<5	0.10	<10	233	104	4	117	<10	9	74
328377	745424	<1	1.75	3	42	70	<1	5	3.11	<4	13	65	49	3.04	0.22	15	1.09	532	<1	0.04	27	566	9	9	<5	0.06	<10	77	<100	<1	27	<10	5	48
328378	745425	<1	1.45	3470	43	155	<1	9	1.33	<4	9	30	54	7.01	0.21	10	0.69	409	5	0.07	22	380	37	7	<5	0.03	<10	119	916	<1	39	<10	5	55
328379	745426	1	1.22	7	49	48	<1	2	3.79	<4	15	173	9	2.46	0.29	11	0.79	483	1	0.04	25	581	11	<5	<5	0.04	<10	64	1553	<1	30	<10	16	24
328380	745427	<1	1.11	<2	45	49	<1	<1	1.35	<4	8	159	17	1.81	0.15	10	0.65	270	<1	0.04	19	191	7	<5	<5	0.04	<10	25	1305	2	23	<10	8	24
328381	745428	<1	1.12	<2	45	37	<1	3	2.83	<4	8	298	7	1.90	0.08	9	0.57	409	1	0.05	18	412	6	<5	<5	0.04	<10	50	1236	<1	26	<10	10	41
328382	745429	<1	0.69	<2	36	17	<1	<1	4.28	<4	5	154	23	1.45	0.07	7	0.40	506	<1	0.04	11	260	7	<5	<5	0.03	<10	30	545	<1	16	<10	9	29
328383	745429	<1	0.72	3	46	16	<1	3	4.48	<4	4	152	24	1.49	0.07	7	0.41	524	<1	0.04	12	<100	7	<5	<5	0.04	<10	31	540	2	16	<10	9	30
328384	745430	<1	1.55	<2	38	21	<1	5	1.31	<4	13	252	6	3.21	0.09	17	0.98	547	<1	0.03	27	452	9	7	<5	0.04	<10	13	798	<1	21	<10	8	79

Certified By:
Derek Demianiuk, H.Bsc.

ACCURASSAY LABORATORIES
1046 Gorham Street
Thunder Bay, ON
Canada P7B 5X5
Tel: (807) 626-1630
Fax: (807) 622-7571
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328385	745431	<1	2.37	<2	41	31	<1	6	3.61	<4	13	224	3	4.63	0.11	19	1.73	893	<1	0.05	46	<100	14	10	<5	0.07	<10	62	1201	<1	48	<10	13	79
328386	745432	<1	3.29	5	39	9	<1	9	4.22	<4	38	166	95	6.15	0.03	30	2.61	1138	<1	0.03	64	429	27	<5	<5	0.11	<10	40	2897	1	145	<10	11	90
328387	745433	<1	1.74	4	29	51	<1	2	2.19	<4	14	182	6	3.01	0.23	13	1.07	501	1	0.04	31	390	10	7	<5	0.05	<10	25	1159	1	24	<10	11	50
328388	745434	<1	1.27	4	40	37	<1	<1	1.92	<4	11	293	8	2.34	0.16	10	0.78	413	<1	0.04	25	444	7	8	<5	0.05	<10	19	1006	<1	20	<10	9	37
328389	745435	<1	0.94	4	36	34	<1	3	1.74	<4	6	328	9	1.82	0.15	7	0.58	341	<1	0.03	20	169	7	6	<5	0.05	<10	16	569	<1	16	<10	6	24
328390	745436	<1	1.22	6	37	83	<1	3	3.86	<4	8	320	4	1.91	0.35	9	0.58	457	<1	0.02	19	591	9	<5	<5	0.06	<10	31	757	<1	15	<10	10	25
328391	745437	<1	1.51	4	39	67	<1	<1	1.85	<4	11	168	6	2.43	0.29	11	0.83	400	<1	0.04	25	218	13	6	<5	0.04	<10	21	1331	3	22	<10	12	35
328392	745438	<1	1.84	<2	44	62	<1	5	2.97	<4	13	199	8	3.01	0.27	13	1.06	553	1	0.05	32	499	13	7	<5	0.04	<10	39	1399	2	28	<10	13	47
328393	745439	<1	1.60	5	42	63	<1	4	2.23	<4	12	172	14	2.57	0.28	11	0.92	439	<1	0.04	29	567	10	<5	<5	0.04	<10	24	1294	<1	24	<10	11	46
328394	745439	<1	1.53	<2	41	60	<1	2	2.17	<4	12	167	14	2.50	0.26	11	0.89	427	<1	0.04	28	449	10	7	<5	0.04	<10	23	1236	<1	23	<10	11	44
328395	745440	<1	1.42	<2	45	62	<1	5	1.89	<4	11	382	5	2.50	0.29	11	0.79	409	5	0.03	27	248	9	6	<5	0.04	<10	14	937	2	21	<10	10	35
328396	745441	<1	1.87	<2	42	34	<1	4	1.77	<4	16	225	4	3.56	0.14	17	1.24	566	<1	0.04	36	408	10	6	<5	0.06	<10	18	1061	<1	36	<10	9	59
328397	745442	<1	1.37	5	37	55	<1	7	1.41	<4	11	224	34	2.43	0.24	9	0.71	502	<1	0.06	20	463	7	5	<5	0.05	<10	48	1367	3	27	<10	12	68
328398	745443	<1	1.11	<2	38	40	<1	<1	1.10	<4	9	231	39	2.19	0.18	8	0.65	415	<1	0.04	18	517	8	7	<5	0.04	<10	24	1179	<1	22	<10	10	58
328399	745444	<1	1.34	3	38	47	<1	<1	1.56	<4	10	231	32	2.47	0.23	10	0.79	492	<1	0.05	21	219	10	7	<5	0.05	<10	20	1395	<1	23	<10	12	56
328400	745445	1	1.06	5	35	35	<1	<1	1.58	<4	8	184	45	1.96	0.19	8	0.64	401	<1	0.04	17	440	6	<5	<5	0.05	<10	13	1520	<1	19	<10	14	37
328401	745446	<1	1.26	3	43	30	<1	<1	1.53	<4	10	212	24	2.22	0.20	11	0.88	414	1	0.05	22	380	9	8	<5	0.06	<10	12	1500	<1	24	<10	13	37
328402	745447	<1	2.11	3	45	24	<1	3	7.01	<4	21	553	43	2.86	0.12	21	2.90	776	<1	0.04	145	822	12	10	<5	0.09	<10	119	757	<1	51	<10	11	49
328403	745448	2	2.83	3	42	67	1	5	8.63	<4	29	861	4	3.11	0.10	22	4.34	867	<1	0.02	241	1610	17	11	<5	0.08	<10	154	212	4	69	<10	9	53
328404	745449	<1	1.34	4	45	33	<1	4	3.12	<4	12	363	438	2.18	0.28	12	0.99	475	1	0.03	44	482	10	7	<5	0.06	<10	44	162	2	16	<10	10	31
328405	745449	<1	1.31	<2	41	33	<1	6	3.03	<4	13	356	432	2.14	0.27	11	0.96	464	1	0.03	42	833	8	7	<5	0.06	<10	42	161	<1	14	<10	10	32
328406	745450	2	1.56	3722	49	165	<1	8	1.42	<4	10	32	57	7.41	0.23	11	0.73	436	5	0.07	24	698	35	6	<5	0.03	<10	130	987	<1	42	<10	6	61

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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
328407	745451	<1	1.34	8	41	29	<1	5	2.62	<4	9	227	19	2.31	0.22	15	0.75	482	3	0.04	25	393	8	<5	<5	0.05	<10	37	100	<1	14	<10	9	46
328408	745452	1	2.89	8	45	562	2	7	6.60	<4	36	932	5	3.85	1.55	32	6.11	887	<1	0.04	293	897	14	9	<5	0.06	<10	346	1281	2	79	<10	7	74
328409	745453	<1	1.33	<2	43	29	<1	5	2.67	<4	9	219	19	2.33	0.21	15	0.77	486	1	0.04	26	412	8	6	<5	0.05	<10	38	<100	<1	13	<10	9	45
328410	745454	<1	1.12	4	37	27	<1	5	2.06	<4	8	164	41	2.16	0.14	11	0.66	473	<1	0.03	19	387	7	6	<5	0.04	<10	32	120	<1	12	<10	10	42
328411	745455	<1	1.35	<2	47	92	<1	6	4.53	<4	17	315	63	2.88	0.55	18	1.93	733	2	0.05	74	662	9	<5	<5	0.06	<10	131	744	<1	49	<10	10	48
328412	745456	2	3.08	3	45	621	2	9	7.24	<4	39	977	5	4.11	1.66	34	6.59	957	<1	0.04	312	1142	13	10	<5	0.08	<10	382	1354	2	85	<10	8	77
328413	745457	2	2.88	<2	43	386	1	10	6.78	<4	35	933	2	3.84	0.79	29	6.28	963	<1	0.03	279	942	16	11	<5	0.10	<10	334	717	<1	65	<10	7	67
328414	745458	1	2.85	3	42	483	1	10	7.34	<4	37	866	21	4.23	0.46	26	6.62	1062	<1	0.03	287	1066	11	5	<5	0.08	<10	367	442	2	57	<10	9	84
328415	745459	<1	0.91	5	41	57	<1	4	1.65	<4	6	322	36	1.71	0.25	6	0.50	364	4	0.06	16	609	7	6	<5	0.05	<10	38	<100	4	10	<10	6	20
328416	745459	<1	0.93	6	44	59	<1	3	1.65	<4	6	336	36	1.73	0.26	6	0.50	368	3	0.06	16	187	7	<5	<5	0.04	<10	38	<100	<1	10	<10	6	20
328417	745460	1	0.94	5	50	61	<1	<1	1.71	<4	7	331	37	1.73	0.26	7	0.50	374	4	0.06	17	440	6	8	<5	0.04	<10	40	<100	<1	11	<10	7	20
328418	745461	<1	1.92	<2	36	41	<1	4	2.01	<4	22	235	74	4.45	0.20	14	1.18	550	<1	0.03	31	139	11	10	<5	0.04	<10	30	<100	5	54	<10	8	68
328419	745462	<1	1.53	3	41	26	<1	13	1.67	<4	18	411	47	3.62	0.11	11	0.97	429	<1	0.02	23	358	11	7	<5	0.05	<10	24	<100	<1	49	<10	6	59
328420	745463	1	1.68	<2	44	26	<1	5	1.81	<4	34	451	137	4.38	0.12	12	1.10	519	1	0.02	28	<100	14	<5	<5	0.06	<10	26	<100	<1	60	<10	5	55
328421	745464	<1	3.37	6	42	23	<1	12	5.80	<4	37	140	1615	7.91	0.13	31	2.23	1222	2	0.02	30	523	23	8	<5	0.08	<10	71	<100	<1	112	<10	12	111
328422	745465	<1	3.08	5	41	30	<1	14	8.98	<4	33	138	1330	7.56	0.15	25	2.18	1853	3	0.02	30	425	34	8	<5	0.07	<10	148	<100	<1	104	<10	17	89
328423	745466	<1	2.92	7	39	41	<1	11	8.13	<4	35	81	115	6.59	0.19	24	1.85	1617	6	0.02	28	420	25	<5	<5	0.06	<10	141	107	3	92	<10	17	89
328424	745467	<1	2.67	6	32	49	<1	13	7.64	<4	35	91	41	5.62	0.21	26	1.74	1618	1	0.03	22	530	17	10	<5	0.07	<10	116	582	<1	81	<10	20	69
328425	745468	<1	2.22	3	49	34	<1	<1	6.70	<4	16	260	50	3.62	0.13	24	1.98	946	1	0.04	39	1002	19	7	<5	0.09	<10	186	585	<1	70	<10	13	93
328426	745469	<1	1.44	4	41	20	<1	4	3.67	<4	12	169	15	2.79	0.09	9	0.98	613	<1	0.05	30	268	11	7	<5	0.05	<10	57	1413	<1	35	<10	10	37
328427	745469	1	1.54	4	45	21	<1	<1	3.89	<4	13	180	15	2.93	0.10	10	1.04	647	<1	0.05	31	410	13	5	<5	0.05	<10	60	1524	<1	38	<10	11	41
328428	745470	<1	1.43	4	45	20	<1	2	3.67	<4	12	180	14	2.72	0.09	9	0.96	605	<1	0.05	29	342	12	9	<5	0.04	<10	57	1425	<1	34	<10	10	35

Certified By:
Derek Demianiuk, H.Bsc.

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

Alto Ventures Ltd.
Date Created: 08-11-12 10:26:31 AM
Job Number: 200843984
Date Received: Oct 22, 2008
Number of Samples: 142
Type of Sample: Core
Date Completed: Nov 11, 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
328429	745471	<1	1.67	5	45	44	<1	2	3.01	<4	14	233	20	2.95	0.21	10	1.01	620	1	0.06	33	582	10	<5	<5	0.05	<10	39	1681	<1	33	<10	12	44
328430	745472	<1	1.12	5	38	17	<1	3	5.60	<4	11	183	57	2.23	0.07	8	0.72	706	<1	0.06	28	549	9	<5	<5	0.06	<10	64	1006	<1	23	<10	11	479
328431	745473	<1	0.43	4	36	30	<1	5	3.32	<4	10	154	9	2.59	0.22	2	0.68	584	<1	0.06	18	312	9	6	<5	0.05	<10	60	<100	6	15	<10	5	112
328432	745474	<1	0.37	<2	37	27	<1	2	4.50	<4	13	89	4	3.19	0.20	2	0.94	837	1	0.08	24	526	15	7	<5	0.05	<10	87	<100	2	17	<10	6	60
328433	745475	<1	1.55	3843	44	167	<1	10	1.43	<4	10	48	60	7.64	0.22	11	0.74	443	8	0.07	32	916	36	11	<5	0.03	<10	132	955	<1	42	<10	6	79
328434	745476	<1	0.45	7	31	39	<1	2	3.86	<4	7	79	3	2.57	0.30	2	0.84	741	<1	0.05	14	551	11	<5	<5	0.04	<10	57	<100	<1	17	<10	5	28
328435	745477	<1	0.47	<2	38	29	<1	1	4.12	<4	11	111	2	2.76	0.17	3	0.89	729	<1	0.08	28	226	11	7	<5	0.05	<10	74	<100	3	16	<10	7	31
328436	745478	<1	1.51	3	40	53	<1	2	2.47	<4	14	160	39	2.75	0.27	15	0.97	468	2	0.04	30	674	9	7	<5	0.05	<10	22	1899	<1	41	<10	11	51
328437	745479	<1	1.90	4	34	49	<1	2	3.19	<4	15	128	19	3.10	0.28	14	1.02	545	2	0.04	34	186	12	8	<5	0.05	<10	54	338	<1	24	<10	8	62
328438	745479	<1	1.90	<2	40	48	<1	5	3.21	<4	14	108	20	3.12	0.28	15	1.03	549	<1	0.04	27	604	8	7	<5	0.06	<10	53	323	<1	24	<10	8	61
328439	745480	<1	1.98	6	33	39	<1	6	3.15	<4	16	120	39	3.44	0.24	15	1.13	567	2	0.04	35	761	11	8	<5	0.06	<10	56	185	<1	25	<10	7	67
328440	745481	<1	1.91	4	37	47	<1	3	3.42	<4	13	119	25	3.17	0.28	14	1.07	595	<1	0.04	32	509	11	10	<5	0.07	<10	72	109	2	24	<10	6	59
328441	745482	<1	1.45	4	34	47	<1	7	2.60	<4	15	183	66	2.79	0.31	10	0.83	618	2	0.03	29	118	12	6	<5	0.06	<10	59	<100	<1	13	<10	5	48
328442	745483	<1	1.29	3	36	45	<1	<1	2.50	<4	12	171	32	2.83	0.28	9	0.95	637	2	0.04	30	546	9	6	<5	0.05	<10	64	<100	2	19	<10	5	52
328443	745484	<1	1.58	4	41	33	<1	5	2.53	<4	12	157	34	3.06	0.18	12	1.07	593	1	0.04	31	362	11	7	<5	0.05	<10	71	<100	<1	32	<10	4	75
328444	745485	<1	1.37	<2	44	34	<1	3	2.53	<4	11	178	30	2.95	0.24	10	0.98	664	1	0.04	33	887	11	<5	<5	0.04	<10	61	<100	<1	19	<10	4	52
328445	745486	<1	1.71	4	39	43	<1	<1	3.16	<4	11	180	17	3.27	0.27	12	1.08	833	1	0.04	31	490	9	8	<5	0.05	<10	81	<100	<1	22	<10	5	54
328446	745487	<1	1.76	5	43	44	<1	3	2.67	<4	14	215	18	3.07	0.21	12	1.03	639	2	0.04	32	384	10	7	<5	0.05	<10	43	949	<1	32	<10	11	58
328447	745488	<1	1.39	<2	43	81	<1	<1	9.81	<4	10	184	5	1.99	0.32	11	0.68	935	<1	0.03	20	275	10	7	<5	0.08	<10	61	1082	<1	18	<10	12	27
328448	745489	<1	1.72	3	37	64	<1	5	1.93	<4	16	339	5	2.87	0.19	13	1.11	548	2	0.05	36	381	12	<5	<5	0.07	<10	32	1526	<1	30	<10	8	56
328449	745489	<1	1.72	3	43	66	<1	<1	1.92	<4	15	344	5	2.85	0.20	13	1.10	543	2	0.05	32	443	12	7	<5	0.06	<10	32	1588	3	31	<10	8	55
328450	745490	<1	1.73	<2	41	37	<1	<1	2.68	<4	15	158	7	3.07	0.14	12	1.11	695	2	0.04	34	650	11	7	<5	0.05	<10	32	1203	1	32	<10	11	63

Certified By:
Derek Demianiuk, H.Bsc.

ACCURASSAY LABORATORIES
1046 Gorham Street
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Canada P7B 5X5
Tel: (807) 626-1630
Fax: (807) 622-7571
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* The results included on this report relate only to the items tested
* This Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.
*The methods used for these analysis are not accredited under ISO/IEC 17025

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
328451	745491	<1	3.40	<2	38	48	<1	20	2.11	<4	29	206	21	7.10	0.27	26	1.67	981	4	0.02	39	766	27	6	<5	0.08	<10	28	869	<1	35	<10	12	134
328452	745492	<1	2.72	3	39	42	<1	8	2.54	<4	22	176	6	5.31	0.26	21	1.38	990	1	0.02	37	306	17	7	<5	0.07	<10	33	988	<1	29	<10	12	104

Certified By:
Derek Demianiuk, H.Bsc.

APPENDIX C

TRENCHING SAMPLE DESCRIPTIONS, GOLD ASSAY AND ICP CERTIFICATES

APPENDIX C – Mud Lake 2008 Trench Sample descriptions

Tag #	Field Name	Easting	Northing	Type	Au (ppb)	
744606	Trench "F"			G	<5	Quartz flooded diorite.
744607	Oliver Severn Trench			C	673	Quartz-carbonate vein with traces of pyrite and arsenopyrite. Some mafic fragments.
744608					1817	Quartz vein. 1% pyrite disseminated in mafic veinlets
744609					15	Quartz vein. Large mafic fragments. Traces of pyrite
744610					675	Quartz vein and mafic dyke. Potassic alteration in quartz. 1% pyrite and trace chalcopyrite
744611					45	Quartz vein. A few small mafic inclusions. Traces of pyrite
744612					16	Quartz vein. A few small mafic inclusions. Traces of pyrite
744613					52	Quartz, small mafic inclusions. 1% pyrite
744614	Trench "C"				34	Strongly sheared diorite. Trace pyrite
744615					8/9	Very strongly sheared diorite. Trace pyrite and arsenopyrite
744616					<5	Very strongly sheared diorite.
744617					7	Very strongly sheared diorite with quartz veining
744618					<5	Very strongly sheared diorite.
744619					10	Strongly sheared diorite. Strongly chloritic. Quartz vein with trace arsenopyrite and pyrite.
744620					21	Quartz vein with entrained mafic fragments. Trace chalcopyrite.
744621					11	Ductile deformed diorite with mafic fragments. Trace chalcopyrite
744622					<5	Mafic dyke material with intensely silicified patches and altered diorite
744623					<5	Mafic dyke material with intensely silicified patches and altered diorite
744624					<5	Sheared diorite with small mafic dyke and 40cm clean quartz vein.
744707					9	Strongly sheared diorite
744708					24	Strongly sheared diorite with moderate k-feldspar alteration
744709					49/58	Strongly sheared diorite with strong k-feldspar alteration
744710					45	Strongly sheared diorite with moderate k-feldspar alteration
744711					25	Strongly sheared diorite with weak to moderate k-feldspar alteration
744712					48	Strongly sheared diorite

744713					26	Quartz vein
744714					38	Sheared diorite. Strongly chloritised, but still with quartz eyes.
744715					87	Sheared diorite - weak k-feldspar alteration. Strongly chloritised, but still with quartz eyes.
744716					50	Sheared diorite with mafic inclusions
744717					18	Sheared diorite with mafic inclusions and quartz-carbonate veining
744718					13	Sheared diorite with mafic inclusions
744625	No 7 Trench				12/9	Quartz vein with wide potassic alteration. Trace pyrite and chalcopyrite
744626					<5	Sheared diorite - strong K-feldspar alteration
744627					7	Diorite - moderate shearing. K-feldspar alteration. Up to 1% pyrite
744628					7	Sheared mafic dyke
744629					19	Diorite - intense K-feldspar alteration with patches of fine-grained biotite along quartz veinlets
744630					28	Sheared diorite with quartz veinlets and intense k-feldspar alteration. Trace pyrite and chalcopyrite
744631					13	Sheared diorite. Patches of k-feldspar alteration. Traces of pyrite.
744632					11	Sheared diorite. No k-feldspar alteration. Trace of fine pyrite
744633					11	Sheared diorite. No k-feldspar alteration. Trace of fine pyrite
744634					63	Quartz-k-feldspar vein. Trace pyrite
744635					6/18	Sheared diorite. Trace pyrite and chalcopyrite
744636					<5	Sheared diorite. Trace pyrite and chalcopyrite
744637					5	Sheared diorite. Patches of k-feldspar alteration
744638					9	Sheared diorite. Strong, but patchy k-feldspar alteration
744639					14	Sheared diorite with 1% pyrite
744640					5	Sheared diorite with moderate k-feldspar alteration and 1% pyrite
744641					42	Quartz and k-feldspar flooded diorite.
744642					18	Diorite. Moderate to strong k-feldspar

						alteration.
744643					<5	Diorite. Moderate to strong k-feldspar alteration.
744644					6	Sheared diorite. Weak k-feldspar alteration. 1% pyrite
744645					8/18	Diorite. K-feldspar alteration (weak to moderate) 1-2% pyrite
744646					7	Sheared diorite. Strong, patchy k-feldspar alteration
744647					<5	Sheared diorite with moderate k-feldspar alteration and 1% pyrite and trace arsenopyrite
744648					9	Sheared diorite with moderate k-feldspar alteration and 1% pyrite
744649					32	Quartz vein with intense k-feldspar alteration selvage. Trace pyrite, chalcopyrite and galena
744650					353	Quartz with intense k-feldspar alteration. Trace pyrite and chalcopyrite.
744701					25	Quartz with intense k-feldspar alteration. Some small mafic fragments. Trace pyrite and chalcopyrite.
744702					11	Diorite. Chlorite and k-feldspar alteration. Trace pyrite
744703					25	Quartz vein with strong k-feldspar selvages. 1% pyrite
744704					12	Diorite. K-felspar alteration with chloritic patches. 1% pyrite
744705					30	Coarse grained diorite. Weakly sheared with weak k-feldspar alteration.
744706					12	Coarse grained diorite. Weakly sheared with weak k-feldspar alteration.
744719	Trench "B"				22/39	Sheared mafic dyke
744720					9	Quartz vein with a few mafic fragments included
744721					9	Sheared diorite. Sericitised. Trace of fine pyrite and arsenopyrite
744722					12	Sheared diorite
744723					17	Sheared diorite. Trace pyrite
744724					20	Sheared mafic dyke
744725					12	Sheared mafic dyke

744726					6	Sheared mafic dyke
744727					7	Sheared mafic dyke
744728					35	Strongly sheared diorite
744729					7/6	Sheared diorite
744730					<5	Sheared coarse-grained diorite
744731					<5	Sheared diorite
744732					<5	Quartz vein and intensely silicified selvage
744733					<5	Very strongly sheared and faulted mafic dyke
744734					<5	Sheared diorite with weak k-alteration
744735					<5	Sheared, coarse-grained diorite. Moderate k-feldspar alteration
744736					<5	Sheared, coarse-grained diorite. Moderate k-feldspar alteration. 1% pyrite
744737	No 6 Extend				<5	Sheared mafic with quartz-carbonate vein with entrained mafic fragments.
744738					<5	Sheared diorite. Well developed chlorite partings
744739					<5/<5	Sheared diorite. Well developed chlorite partings
744740					22	Sheared diorite.
744741					<5	Sheared diorite.
744742					28	Coarse diorite, relatively unsheared but highly silicifed with several quartz veins and entrained mafic fragments. Trace arsenopyrite
744743					<5	Coarse diorite, relatively unsheared but highly silicifed with several quartz veins and entrained mafic fragments.
744744					<5	Coarse diorite with quartz vein and silicified selvage
744745					<5	Sheared mafic plus quartz vein
744746					<5	Quartz vein. Patches of carbonate and mafic fragments
744747					748	Quartz vein. Patches of carbonate and mafic fragments
744748					61	Sheared diorite. Highly silicified with entrained mafic.
744749					7/<5	Sheared diorite
744750					3557	Quartz vein with entrained mafic fragments
744751					3065	Quartz veing with mafic fragments, up to 1% pyrite
744752					13	Sheared diorite and quartz vein and mafic fragments
744753					33	Quartz vein with mafic fragments
744754					6	Coarse diorite with everal large mafic fragments
744755					5	Sheared diorite with large mafic fragments
744756					8	Sheared diorite with large mafic fragments
744757					23	Sheared mafic
744758					<5	Sheared diorite with rusty quartz vein
744759					<5/<5	Sheared coarse diorite with weak k-

						feldspar alteration
744760					7	Quartz vein with sericite selvage and mafic fragments
744761					7	Quartz vein with mafic fragments
744762					12	Quartz vein with mafic fragments
744763					<5	Quartz vein with mafic fragments with fine pyrite stringers
744764					7	Sheared diorite. Quartz vein with entrained mafic fragments. Upto 1% pyrite
744765					320	Quartz vein. Some mafic fragments with disseminated pyrite
744766					76	Sheared diorite with mafic fragments and ~1% pyrite in stringers
744767					3135	Diorite - intensely silicified. 1-2% disseminated pyrite.
744768					710	Sheared and ductily deformed diorite with entrained mafic fragments and 1% pyrite and trace chalcopyrite.
744769					392, 284	Sheared diorite with quartz vein and 1% disseminated pyrite
744770					2307	Sheared and silicifed diorite with 2% pyrite
744771					13	White quartz vein. Trace pyrite
744772					10	Sheared diorite with 1% chalcopyrite and trace pyrite
744773					11	Sheared diorite. Trace pyrite
744774					11	Sheared diorite
744775					21	Quartz vein with 1% pyrite and small, entrained fragments of mafic dyke.
744776					41	Sheared diorite with patches of silica flooding.1% pyrite
744777					<5	Sheared diorite with mafic fragments and silica flooding.
744778	Trench "E"				<5	White quartz vein
744779					<5/<5	Coarse diorite with moderate k-feldspar alteration. Cuts two 20cm quartz veins
744780					<5	Coarse diorite with moderate k-feldspar alteration. Cuts two 20cm quartz veins
744781					<5	Coarse diorite, unsheared to moderately sheared, in bands.
744782					<5	Coarse diorite, unsheared to moderately sheared, in bands.
744783					<5	Coarse, weakly sheared diorite
744784					99	Moderately to strongly sheared diorite. Moderate k-fledspar alteration. Trace pyrite
744785					<5	Moderately to strongly sheared diorite. Moderate k-fledspar alteration. Trace pyrite
744786					<5	Sheared diorite. Weak k-feldspar alteration. Trace pyrite.
744787					205	Intense k-feldspar alteration. Lesser silica flooding. 1-2% pyrite

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Tuesday, October 7, 2008

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

Date Received: Sep 12, 2008
Date Completed: Oct 7, 2008

Job #: 200843375
Reference:
Sample #: 126 Rock

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
282334		744606	6	<0.001	0.006
282335		744607	673	0.020	0.673
282336		744608	1817	0.053	1.817
282337		744609	15	<0.001	0.015
282338		744610	675	0.020	0.675
282339		744611	45	0.001	0.045
282340		744612	16	<0.001	0.016
282341		744613	52	0.002	0.052
282342		744614	34	0.001	0.034
282343		744615	8	<0.001	0.008
282344	Dup	744615	9	<0.001	0.009
282345		744616	<5	<0.001	<0.005
282346		744617	7	<0.001	0.007
282347		744618	<5	<0.001	<0.005
282348		744619	10	<0.001	0.010
282349		744620	21	<0.001	0.021
282350		744621	11	<0.001	0.011
282351		744622	<5	<0.001	<0.005
282352		744623	<5	<0.001	<0.005
282353		744624	<5	<0.001	<0.005
282354		744625	12	<0.001	0.012
282355	Dup	744625	9	<0.001	0.009
282356		744626	<5	<0.001	<0.005
282357		744627	7	<0.001	0.007

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Job #: 200843375
Reference:
Sample #: 126 Rock

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
282358		744628	7	<0.001	0.007
282359		744629	19	<0.001	0.019
282360		744630	28	<0.001	0.028
282361		744631	13	<0.001	0.013
282362		744632	11	<0.001	0.011
282363		744633	11	<0.001	0.011
282364		744634	63	0.002	0.063
282365		744635	6	<0.001	0.006
282366	Dup	744635	18	<0.001	0.018
282367		744636	<5	<0.001	<0.005
282368		744637	5	<0.001	0.005
282369		744638	9	<0.001	0.009
282370		744639	14	<0.001	0.014
282371		744640	5	<0.001	0.005
282372		744641	42	0.001	0.042
282373		744642	18	<0.001	0.018
282374		744643	<5	<0.001	<0.005
282375		744644	6	<0.001	0.006
282376		744645	8	<0.001	0.008
282377	Dup	744645	16	<0.001	0.016
282378		744646	7	<0.001	0.007
282379		744647	<5	<0.001	<0.005
282380		744648	9	<0.001	0.009
282381		744649	32	<0.001	0.032

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Job #: 200843375
Reference:
Sample #: 126 Rock

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
282382		744650	353	0.010	0.353
282383		766707	9	<0.001	0.009
282384		766708	24	<0.001	0.024
282385		766709	49	0.001	0.049
282386	Dup	766709	58	0.002	0.058
282387		766710	45	0.001	0.045
282388		766711	25	<0.001	0.025
282389		766712	48	0.001	0.048
282390		766713	26	<0.001	0.026
282391		766714	38	0.001	0.038
282392		766715	87	0.003	0.087
282393		766716	50	0.001	0.050
282394		766717	18	<0.001	0.018
282395		766718	13	<0.001	0.013
282396		766719	22	<0.001	0.022
282397	Rep	766719	39	0.001	0.039
282398		766720	9	<0.001	0.009
282399		766721	9	<0.001	0.009
282400		766722	12	<0.001	0.012
282401		766723	17	<0.001	0.017
282402		766724	20	<0.001	0.020
282403		766725	12	<0.001	0.012
282404		766726	6	<0.001	0.006
282405		766727	7	<0.001	0.007

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Date Completed: Oct 7, 2008

Job #: 200843375
Reference:
Sample #: 126 Rock

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
282406		766728	35	0.001	0.035
282407		766729	7	<0.001	0.007
282408	Dup	766729	6	<0.001	0.006
282409		766730	<5	<0.001	<0.005
282410		766731	<5	<0.001	<0.005
282411		766732	<5	<0.001	<0.005
282412		766733	<5	<0.001	<0.005
282413		766734	<5	<0.001	<0.005
282414		766735	<5	<0.001	<0.005
282415		766736	<5	<0.001	<0.005
282416		766737	<5	<0.001	<0.005
282417		766738	<5	<0.001	<0.005
282418		766739	<5	<0.001	<0.005
282419	Dup	766739	<5	<0.001	<0.005
282420		766740	22	<0.001	0.022
282421		766741	<5	<0.001	<0.005
282422		766742	28	<0.001	0.028
282423		766743	<5	<0.001	<0.005
282424		766744	<5	<0.001	<0.005
282425		766745	<5	<0.001	<0.005
282426		766746	<5	<0.001	<0.005
282427		766747	748	0.022	0.748
282428		766748	61	0.002	0.061
282429		766749	7	<0.001	0.007

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Job #: 200843375
Reference:
Sample #: 126 Rock

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
282430	Dup	766749	<5	<0.001	<0.005
282431		766750	3557	0.104	3.557
282432		766751	3065	0.089	3.065
282433		766752	13	<0.001	0.013
282434		766753	33	<0.001	0.033
282435		766754	6	<0.001	0.006
282436		766755	5	<0.001	0.005
282437		766756	8	<0.001	0.008
282438		766757	23	<0.001	0.023
282439		766758	<5	<0.001	<0.005
282440		766759	<5	<0.001	<0.005
282441	Dup	766759	<5	<0.001	<0.005
282442		766760	7	<0.001	0.007
282443		766761	7	<0.001	0.007
282444		766762	12	<0.001	0.012
282445		766763	<5	<0.001	<0.005
282446		766764	7	<0.001	0.007
282447		766765	320	0.009	0.320
282448		766766	76	0.002	0.076
282449		766767	3135	0.091	3.135
282450		766768	710	0.021	0.710
282451		766769	392	0.011	0.392
282452	Dup	766769	284	0.008	0.284
282453		766770	2307	0.067	2.307

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Date Received: Sep 12, 2008
Date Completed: Oct 7, 2008

Job #: 200843375
Reference:
Sample #: 126 Rock

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
282454		766771	13	<0.001	0.013
282455		766772	10	<0.001	0.010
282456		766773	11	<0.001	0.011
282457		766774	11	<0.001	0.011
282458		766775	21	<0.001	0.021
282459		766776	41	0.001	0.041
282460		766777	<5	<0.001	<0.005
282461		766778	<5	<0.001	<0.005
282462		766779	<5	<0.001	<0.005
282463	Rep	766779	<5	<0.001	<0.005
282464		766780	<5	<0.001	<0.005
282465		766781	<5	<0.001	<0.005
282466		766782	<5	<0.001	<0.005
282467		766783	<5	<0.001	<0.005
282468		766784	99	0.003	0.099
282469		766785	<5	<0.001	<0.005
282470		766786	<5	<0.001	<0.005
282471		766787	205	0.006	0.205

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Sudbury, ON, CAN
P3E5P5
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Fax#: (705) 522-8856
Email#: koziol@altoventures.com

Date Received: Sep 12, 2008
Date Completed: Oct 7, 2008

Job #: 200843375
Reference:
Sample #: 126 Rock

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)

PROCEDURE CODES: AL4AU3, AL4ICPAR

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested
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Thursday, October 9, 2008

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P3E5P5
Ph#: (705) 522-6372
Fax#: (705) 522-8856
Email#: koziol@altoventures.com

Date Received: Oct 6, 2008
Date Completed: Oct 9, 2008

Job #: 200843756
Reference:
Sample #: 27 Channel

Acc #		Client ID	Au ppb	Au oz/t	Au g/t (ppm)
310275		744001	<5	<0.001	<0.005
310276		744002	<5	<0.001	<0.005
310277		744003	<5	<0.001	<0.005
310278		744004	<5	<0.001	<0.005
310279		744005	<5	<0.001	<0.005
310280		744006	<5	<0.001	<0.005
310281		744007	<5	<0.001	<0.005
310282		744008	<5	<0.001	<0.005
310283	Dup	744008	<5	<0.001	<0.005
310284		744009	<5	<0.001	<0.005
310285		744010	11	<0.001	0.011
310286		744011	22	<0.001	0.022
310287		744012	11	<0.001	0.011
310288		744013	16	<0.001	0.016
310289		744014	29	<0.001	0.029
310290		744015	19	<0.001	0.019
310291		744016	10	<0.001	0.010
310292		744017	12	<0.001	0.012
310293		744018	17	<0.001	0.017
310294	Dup	744018	26	<0.001	0.026
310295		744019	10	<0.001	0.010
310296		744020	11	<0.001	0.011
310297		744021	10	<0.001	0.010
310298		744701	25	<0.001	0.025

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Thursday, October 9, 2008

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P3E5P5
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Fax#: (705) 522-8856
Email#: koziol@altoventures.com

Date Received: Oct 6, 2008
Date Completed: Oct 9, 2008

Job #: 200843756
Reference:
Sample #: 27 Channel

Acc #	Client ID	Au ppb	Au oz/t	Au g/t (ppm)
310299	744702	11	<0.001	0.011
310300	744703	25	<0.001	0.025
310301	744704	12	<0.001	0.012
310302	744705	30	<0.001	0.030
310303	744706	12	<0.001	0.012

PROCEDURE CODES: AL4AU3, AL4ICPAR

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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Fluid Lk Sampling Trenches

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Alto Ventures Ltd.
Date Created: 08-10-28 04:05:54 PM
Job Number: 200843375
Date Received: Sep 12, 2008
Number of Samples: 126
Type of Sample: Rock
Date Completed: Oct 7, 2008
Project ID:

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*The methods used for these analysis are not accredited under ISO/IEC 17025

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
282334	744606	<1	0.54	6	45	36	<1	6	0.36	<4	5	173	13	1.25	0.18	5	0.26	191	3	0.01	15	299	21	<5	<5	0.02	<10	6	206	73	4	<10	3	216
282335	744607	<1	1.04	6	43	65	<1	7	0.60	<4	44	314	24	3.69	0.25	7	0.77	464	6	0.02	29	388	21	<5	<5	0.02	<10	21	316	288	37	<10	4	40
282336	744608	1	0.32	6	44	50	<1	3	0.09	<4	59	379	16	1.55	0.16	2	0.14	<100	4	0.02	20	144	5	<5	<5	0.02	<10	6	<100	<1	11	<10	<1	7
282337	744609	<1	0.92	2	46	38	<1	12	6.32	<4	6	144	4	4.09	0.16	6	2.35	2156	7	0.02	22	253	26	<5	<5	0.02	<10	212	<100	235	23	<10	11	36
282338	744610	1	1.85	8	43	69	<1	10	1.36	<4	61	259	257	6.37	0.27	12	1.41	764	9	0.02	42	469	30	<5	<5	0.02	<10	36	354	<1	64	<10	5	67
282339	744611	<1	0.28	5	47	33	<1	3	0.18	<4	12	431	13	1.08	0.11	2	0.12	133	3	0.02	12	173	8	<5	7	0.02	<10	8	<100	5	9	<10	1	1
282340	744612	<1	0.16	3	46	11	<1	3	0.44	<4	2	317	10	0.82	0.04	1	0.11	220	3	0.01	13	<100	7	<5	<5	0.02	<10	13	<100	47	6	<10	<1	1
282341	744613	<1	1.60	10	41	58	<1	8	1.73	<4	41	261	88	5.76	0.24	10	1.23	958	7	0.02	26	331	20	<5	<5	0.02	<10	46	260	69	61	<10	4	56
282342	744614	<1	0.82	5	43	62	<1	5	2.20	<4	11	208	47	2.47	0.24	5	0.62	588	6	0.02	22	437	26	<5	<5	0.02	<10	51	<100	30	8	<10	4	21
282343	744615	<1	0.81	5	37	64	<1	10	3.25	<4	17	65	28	3.24	0.27	6	0.75	880	8	0.02	25	428	18	<5	<5	0.02	<10	65	<100	104	9	<10	6	29
282344	744615	<1	0.89	4	39	70	<1	8	3.48	<4	20	68	28	3.53	0.28	6	0.84	920	9	0.02	29	420	30	<5	<5	0.02	<10	71	<100	139	10	<10	6	34
282345	744616	<1	1.68	7	38	63	<1	9	2.96	<4	18	97	23	4.37	0.27	14	1.08	791	7	0.02	44	472	19	<5	<5	0.02	<10	63	<100	36	19	<10	6	47
282346	744617	<1	1.66	5	39	75	<1	13	1.20	<4	18	176	13	3.38	0.27	12	0.99	579	6	0.02	28	450	33	<5	<5	0.02	<10	29	<100	<1	17	<10	6	36
282347	744618	<1	1.52	<2	41	62	<1	12	2.87	<4	12	100	41	3.44	0.21	12	0.98	690	6	0.02	32	389	18	<5	<5	0.02	<10	57	<100	47	15	<10	6	40
282348	744619	<1	1.67	<2	41	102	<1	17	2.30	<4	19	203	13	3.73	0.25	12	1.11	657	6	0.02	31	226	18	<5	<5	0.02	<10	53	<100	112	17	<10	6	44
282349	744620	<1	0.96	5	47	39	<1	8	0.84	<4	25	356	7	2.48	0.14	8	0.56	306	5	0.02	31	155	18	<5	<5	0.02	<10	27	<100	8	11	<10	4	23
282350	744621	<1	5.22	5	45	33	<1	22	2.65	<4	57	82	1	>10.00	0.15	47	3.30	984	15	0.01	92	499	114	<5	<5	0.02	<10	81	<100	148	49	<10	5	137
282351	744622	<1	3.49	4	42	53	<1	19	3.31	<4	30	93	<1	7.16	0.27	33	2.22	847	11	0.02	60	425	29	<5	<5	0.02	<10	100	<100	<1	35	<10	6	90
282352	744623	<1	2.82	<2	39	55	<1	11	2.80	<4	23	87	2	5.38	0.28	22	1.76	664	9	0.02	51	424	30	<5	<5	0.02	<10	74	<100	71	30	<10	6	67
282353	744624	<1	2.49	9	45	30	<1	12	1.30	<4	21	175	4	5.07	0.14	20	1.65	433	8	0.02	49	182	19	<5	<5	0.02	<10	35	<100	113	27	<10	3	64
282354	744625	<1	0.52	5	41	22	<1	7	1.36	<4	6	175	6	1.30	0.09	4	0.26	309	3	0.06	11	248	20	<5	<5	0.02	<10	25	<100	150	8	<10	4	9
282355	744625	<1	0.50	<2	42	22	<1	6	1.34	<4	7	176	6	1.29	0.09	4	0.25	304	3	0.06	11	239	21	<5	<5	0.02	<10	26	<100	80	9	<10	4	10

Certified By:
Derek Demianiuk, H.Bsc.

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

Alto Ventures Ltd.
Date Created: 08-10-28 04:05:54 PM
Job Number: 200843375
Date Received: Sep 12, 2008
Number of Samples: 126
Type of Sample: Rock
Date Completed: Oct 7, 2008
Project ID:

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282356	744626	<1	1.41	5	40	33	<1	8	1.95	<4	13	189	13	2.90	0.21	15	0.90	654	5	0.03	29	427	27	<5	<5	0.02	<10	44	<100	57	12	<10	5	66
282357	744627	<1	1.03	6	43	20	<1	8	0.97	<4	9	191	14	2.13	0.07	12	0.66	378	4	0.04	27	417	29	<5	<5	0.02	<10	18	986	17	21	<10	10	32
282358	744628	<1	4.49	5	49	5	<1	19	3.18	<4	51	192	104	8.83	<0.01	49	3.42	1583	12	0.02	90	222	307	<5	<5	0.02	<10	50	2581	97	198	<10	10	120
282359	744629	<1	0.30	4	41	33	<1	5	1.43	<4	9	215	26	2.31	0.18	2	0.42	355	5	0.05	17	326	27	<5	<5	0.02	<10	35	<100	<1	10	<10	6	12
282360	744630	<1	0.62	<2	46	22	<1	9	1.66	<4	17	92	41	3.74	0.14	7	0.89	428	7	0.03	53	478	24	<5	<5	0.02	<10	50	<100	56	21	<10	7	58
282361	744631	<1	0.76	3	44	38	<1	8	2.02	<4	13	158	12	2.79	0.20	7	0.69	487	5	0.04	34	343	27	<5	<5	0.02	<10	40	<100	61	11	<10	6	24
282362	744632	<1	2.73	<2	44	28	<1	13	2.42	<4	26	132	27	5.02	0.16	31	2.16	648	8	0.03	94	549	26	<5	<5	0.02	<10	54	<100	193	39	<10	5	79
282363	744633	<1	3.08	2	46	26	<1	12	2.73	<4	29	143	41	5.21	0.11	37	2.47	822	10	0.03	104	519	27	<5	<5	0.02	<10	57	<100	100	52	<10	5	83
282364	744634	4	0.53	<2	49	53	<1	12	1.67	<4	10	222	66	2.14	0.12	6	0.40	388	3	0.06	19	185	39	<5	<5	0.02	<10	40	<100	91	12	<10	4	15
282365	744635	<1	1.29	4	44	41	<1	9	1.53	<4	10	195	15	2.56	0.19	13	0.81	398	4	0.05	25	553	29	<5	<5	0.02	<10	43	<100	101	15	<10	5	46
282366	744635	<1	1.27	<2	41	40	<1	8	1.51	<4	10	188	14	2.54	0.19	13	0.80	392	4	0.05	23	548	12	<5	<5	0.02	<10	43	<100	79	14	<10	5	45
282367	744636	<1	1.43	3	40	28	<1	7	1.88	<4	13	125	16	2.66	0.16	17	0.95	452	4	0.03	35	374	31	<5	<5	0.02	<10	49	<100	99	14	<10	5	49
282368	744637	<1	1.16	<2	40	32	<1	7	2.05	<4	9	130	12	2.27	0.18	12	0.70	457	4	0.03	22	343	21	<5	<5	0.02	<10	54	<100	<1	11	<10	5	30
282369	744638	<1	1.23	<2	41	30	<1	8	0.99	<4	10	196	9	2.69	0.15	13	0.76	290	5	0.05	25	401	26	<5	<5	0.02	<10	26	<100	67	15	<10	6	36
282370	744639	<1	1.28	4	44	26	<1	6	1.86	<4	10	118	6	2.45	0.17	14	0.85	752	4	0.03	26	471	18	<5	<5	0.02	<10	39	<100	<1	11	<10	8	68
282371	744640	<1	1.23	4	44	37	<1	7	2.02	<4	10	137	4	2.49	0.21	13	0.80	606	4	0.03	24	295	19	<5	<5	0.02	<10	49	<100	94	13	<10	6	44
282372	744641	<1	0.96	3	47	44	<1	10	1.99	<4	9	183	15	2.31	0.17	10	0.68	455	4	0.06	22	397	27	<5	<5	0.02	<10	64	<100	14	18	<10	5	24
282373	744642	<1	1.14	5	46	37	<1	8	2.00	<4	10	119	12	2.55	0.17	11	0.78	391	4	0.04	28	508	21	<5	<5	0.02	<10	62	<100	13	16	<10	6	26
282374	744643	<1	1.36	5	45	37	<1	10	1.78	<4	11	157	12	2.62	0.21	14	0.80	460	4	0.03	26	493	30	<5	<5	0.02	<10	43	<100	210	13	<10	6	35
282375	744644	<1	1.28	5	47	36	<1	7	1.72	<4	9	204	11	2.41	0.22	13	0.74	500	5	0.04	26	530	18	<5	<5	0.02	<10	37	177	21	13	<10	10	42
282376	744645	<1	1.26	<2	45	48	<1	9	1.72	<4	11	151	13	2.43	0.19	13	0.78	394	3	0.04	28	446	22	<5	<5	0.02	<10	41	<100	46	14	<10	10	28
282377	744645	<1	1.24	3	42	48	<1	7	1.70	<4	10	145	12	2.41	0.19	13	0.77	390	4	0.04	26	512	32	<5	<5	0.02	<10	40	<100	56	14	<10	10	26

Certified By:
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1046 Gorham Street
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Canada P7B 5X5

Tel: (807) 626-1630
Fax: (807) 622-7571

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282378	744646	<1	0.97	<2	47	36	<1	5	1.44	<4	9	170	31	2.39	0.11	10	0.77	305	3	0.05	24	450	25	<5	<5	0.02	<10	40	<100	213	24	<10	6	28
282379	744647	<1	1.27	3	40	45	<1	8	1.20	<4	11	194	10	2.64	0.19	13	0.89	456	4	0.04	29	412	20	<5	<5	0.02	<10	32	<100	17	15	<10	8	55
282380	744648	<1	1.06	<2	43	36	<1	8	2.24	<4	11	101	10	2.35	0.20	11	0.77	472	4	0.03	26	426	22	<5	<5	0.02	<10	62	<100	93	13	<10	6	33
282381	744649	2	0.86	<2	44	39	<1	14	1.68	<4	9	156	32	2.20	0.16	9	0.64	430	4	0.04	22	374	34	<5	<5	0.02	<10	51	<100	159	17	<10	6	17
282382	744650	3	0.67	3	49	51	<1	11	2.31	<4	11	195	36	2.62	0.14	10	0.63	420	4	0.06	24	536	39	<5	6	0.02	<10	61	<100	35	25	<10	5	20
282383	744707	<1	0.86	4	38	46	<1	7	2.40	<4	14	68	41	3.32	0.25	6	0.63	639	5	0.02	27	552	31	<5	<5	0.03	<10	40	<100	117	10	<10	5	28
282384	744708	<1	0.93	6	36	44	<1	12	3.27	<4	15	66	49	3.60	0.29	6	0.79	678	5	0.02	31	363	30	<5	<5	0.02	<10	61	<100	31	12	<10	5	33
282385	744709	<1	0.88	8	38	50	<1	9	3.08	<4	15	187	34	3.63	0.30	5	0.73	752	8	0.02	32	535	26	<5	8	0.03	<10	61	<100	127	12	<10	5	31
282386	744709	<1	0.90	9	43	51	<1	11	3.12	<4	14	194	34	3.66	0.31	5	0.74	759	7	0.02	34	437	23	<5	<5	0.03	<10	61	<100	64	12	<10	5	33
282387	744710	<1	1.19	5	41	34	<1	16	1.37	<4	16	93	40	3.39	0.20	10	0.62	650	7	0.02	33	622	28	<5	<5	0.02	<10	18	<100	33	11	<10	7	37
282388	744711	<1	0.91	8	45	41	<1	7	1.79	<4	8	112	26	2.63	0.25	7	0.46	722	5	0.03	24	343	25	<5	<5	0.02	<10	27	<100	46	9	<10	7	20
282389	744712	<1	0.95	5	41	49	<1	8	3.15	<4	20	248	15	3.39	0.35	5	0.87	851	8	0.02	28	533	18	<5	<5	0.03	<10	68	<100	234	12	<10	5	26
282390	744713	<1	0.58	4	39	72	<1	6	0.31	<4	5	304	8	1.39	0.17	4	0.29	230	3	0.02	18	278	23	<5	<5	0.02	<10	11	<100	108	4	<10	2	8
282391	744714	<1	1.48	3	37	74	<1	7	2.24	<4	14	125	4	3.03	0.31	11	0.78	461	5	0.02	33	579	25	<5	<5	0.02	<10	44	<100	<1	12	<10	5	28
282392	744715	<1	1.45	<2	39	88	<1	6	2.45	<4	11	283	10	3.13	0.29	12	0.78	548	6	0.04	35	467	24	<5	<5	0.02	<10	43	<100	9	13	<10	5	25
282393	744716	<1	1.59	7	36	78	<1	11	3.41	<4	23	52	3	3.45	0.32	12	1.01	813	12	0.02	35	704	29	<5	<5	0.02	<10	80	<100	<1	15	<10	7	36
282394	744717	<1	1.31	3	40	65	<1	6	2.32	<4	10	132	10	2.63	0.29	9	0.75	537	4	0.02	21	461	17	<5	<5	0.02	<10	57	<100	195	10	<10	4	24
282395	744718	<1	1.77	<2	41	40	<1	9	1.31	<4	25	38	3	3.89	0.08	15	1.21	482	7	0.02	35	350	30	<5	<5	0.02	<10	33	<100	195	16	<10	4	44
282396	744719	<1	2.84	4	44	23	<1	10	2.95	<4	23	112	66	5.00	0.10	35	2.03	762	6	0.03	82	461	31	<5	<5	0.02	<10	45	<100	27	46	<10	6	88
282397	744719	<1	2.87	6	47	27	<1	8	2.91	<4	25	83	57	5.01	0.11	35	2.03	741	8	0.04	81	454	32	<5	<5	0.02	<10	44	<100	75	46	<10	6	86
282398	744720	<1	0.38	5	42	36	<1	2	0.32	<4	1	386	13	0.74	0.19	3	0.09	141	4	0.05	11	143	10	<5	<5	0.02	<10	9	<100	16	<2	<10	4	<1
282399	744721	<1	0.31	3	41	53	<1	4	0.41	<4	2	178	11	0.49	0.14	2	0.08	117	3	0.05	8	192	9	<5	7	0.02	<10	11	<100	<1	<2	<10	4	<1

Certified By:
Derek Demianiuk, H.Bsc.

ACCURASSAY LABORATORIES

1046 Gorham Street
Thunder Bay, ON
Canada P7B 5X5

Tel: (807) 626-1630
Fax: (807) 622-7571

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282400	744722	<1	1.46	4	40	61	<1	5	1.54	<4	14	131	30	2.83	0.19	16	0.93	520	6	0.05	49	375	19	<5	<5	0.02	<10	23	<100	117	16	<10	6	54
282401	744723	<1	2.04	3	41	95	<1	10	1.99	<4	33	128	33	4.93	0.09	25	1.71	917	7	0.03	97	463	33	<5	<5	0.03	<10	32	<100	<1	28	<10	4	93
282402	744724	<1	2.80	7	40	59	<1	13	2.87	<4	27	120	43	5.17	0.05	36	2.29	866	6	0.03	104	386	30	<5	<5	0.03	<10	54	<100	99	65	<10	4	111
282403	744725	<1	1.58	<2	36	39	<1	14	1.75	<4	25	73	65	4.41	0.17	17	1.32	966	6	0.04	81	386	26	<5	<5	0.03	<10	31	<100	75	19	<10	5	77
282404	744726	<1	1.77	5	38	48	<1	14	2.94	<4	26	128	61	4.62	0.19	19	1.69	1038	6	0.03	92	477	22	<5	<5	0.03	<10	51	<100	50	20	<10	5	71
282405	744727	<1	1.93	3	38	38	<1	6	3.18	<4	24	85	53	4.39	0.15	22	1.70	988	6	0.02	91	513	23	<5	<5	0.03	<10	57	<100	143	21	<10	4	61
282406	744728	<1	1.26	3	40	55	<1	10	1.33	<4	9	161	8	2.41	0.13	15	0.76	473	8	0.04	37	381	26	<5	<5	0.02	<10	28	<100	67	13	<10	7	47
282407	744729	<1	1.64	2	40	81	<1	3	1.37	<4	12	239	12	3.06	0.18	18	0.95	485	6	0.06	29	518	24	<5	<5	0.02	<10	21	<100	107	16	<10	5	50
282408	744729	<1	1.58	<2	37	78	<1	8	1.32	<4	11	232	10	2.95	0.18	17	0.91	465	5	0.05	28	370	30	<5	<5	0.02	<10	20	<100	11	16	<10	5	45
282409	744730	<1	1.95	<2	42	79	<1	10	1.06	<4	15	140	15	3.50	0.13	23	1.29	540	5	0.07	41	607	31	<5	<5	0.02	<10	23	<100	62	28	<10	5	57
282410	744731	<1	0.91	<2	37	73	<1	6	1.14	<4	6	129	7	1.63	0.20	9	0.40	381	2	0.04	16	371	27	<5	6	0.02	<10	16	<100	<1	5	<10	4	31
282411	744732	<1	0.23	<2	40	51	<1	3	0.57	<4	2	292	19	0.65	0.13	1	0.04	148	3	0.05	8	128	14	<5	<5	0.02	<10	10	<100	39	<2	<10	5	2
282412	744733	<1	1.79	6	37	103	<1	10	0.94	<4	18	282	23	3.71	0.23	21	1.08	412	7	0.02	48	430	32	<5	<5	0.02	<10	12	<100	55	15	<10	6	47
282413	744734	<1	1.36	3	41	51	<1	5	0.80	<4	11	130	27	2.88	0.11	16	0.81	448	5	0.05	25	348	27	<5	<5	0.02	<10	15	<100	43	13	<10	4	63
282414	744735	<1	1.39	<2	37	42	<1	7	1.65	<4	10	91	10	2.72	0.12	16	0.88	436	6	0.04	33	433	26	<5	<5	0.02	<10	24	<100	17	16	<10	4	43
282415	744736	<1	1.91	<2	40	17	<1	7	2.59	<4	18	123	10	3.79	0.09	23	1.47	610	5	0.03	71	496	22	<5	<5	0.02	<10	44	<100	111	34	<10	4	67
282416	744737	<1	0.96	2	32	40	<1	10	2.55	<4	8	169	36	3.24	0.21	7	0.75	1158	5	0.02	24	247	31	<5	<5	0.02	<10	55	<100	140	11	<10	7	32
282417	744738	<1	2.01	<2	39	57	<1	10	1.36	<4	16	65	24	3.62	0.36	14	0.98	663	8	0.06	40	458	21	<5	<5	0.03	<10	33	<100	12	18	<10	5	46
282418	744739	<1	1.66	2	35	49	<1	12	1.43	<4	18	81	12	3.39	0.26	12	0.96	703	7	0.01	39	499	28	<5	<5	0.02	<10	34	<100	72	14	<10	6	45
282419	744739	<1	1.61	5	36	48	<1	11	1.41	<4	15	96	13	3.30	0.25	12	0.94	689	9	0.01	47	593	29	<5	<5	0.02	<10	34	<100	<1	13	<10	6	44
282420	744740	1	1.59	4	33	53	<1	18	1.14	<4	22	210	23	3.11	0.31	11	0.91	579	18	0.02	69	623	26	<5	<5	0.02	<10	26	<100	40	14	<10	6	36
282421	744741	<1	1.60	13	36	61	<1	8	0.42	<4	21	257	11	3.09	0.37	11	0.84	431	6	0.03	56	601	23	<5	<5	0.02	<10	10	<100	19	12	<10	5	34

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*The methods used for these analysis are not accredited under ISO/IEC 17025

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
282422	744742	<1	0.66	6	41	26	<1	5	2.46	<4	5	218	5	1.39	0.15	5	0.36	441	8	0.03	28	693	25	<5	<5	0.02	<10	56	<100	108	8	<10	7	13
282423	744743	<1	1.14	5	42	37	<1	6	2.19	<4	11	133	5	2.07	0.22	9	0.63	433	5	0.05	39	556	28	<5	<5	0.02	<10	51	<100	71	14	<10	11	22
282424	744744	<1	1.26	3	37	39	<1	5	0.58	<4	9	361	9	2.61	0.23	9	0.71	264	5	0.05	32	441	27	<5	<5	0.02	<10	14	<100	53	14	<10	3	34
282425	744745	<1	1.31	3	37	49	<1	7	0.80	<4	9	252	12	2.60	0.28	9	0.74	295	4	0.02	29	533	27	<5	<5	0.02	<10	17	<100	135	11	<10	3	42
282426	744746	<1	0.22	3	39	7	<1	5	0.32	<4	3	293	10	0.79	0.04	2	0.13	110	2	0.02	16	<100	9	<5	<5	0.02	<10	10	<100	104	3	<10	1	14
282427	744747	1	0.55	5	42	8	<1	5	1.39	<4	4	435	15	1.38	0.08	4	0.25	312	3	0.11	23	<100	14	<5	<5	0.03	<10	35	<100	<1	6	<10	3	15
282428	744748	<1	1.35	18	42	26	<1	10	2.62	<4	11	161	11	2.17	0.21	11	0.56	492	3	0.20	30	209	18	<5	<5	0.08	<10	53	<100	168	14	<10	9	23
282429	744749	<1	0.91	4	38	45	<1	4	1.55	<4	10	269	6	1.96	0.25	8	0.45	436	6	0.02	42	431	25	<5	<5	0.02	<10	30	<100	101	6	<10	7	21
282430	744749	<1	0.93	3	40	46	<1	8	1.55	<4	8	236	6	1.97	0.26	8	0.46	434	3	0.02	21	507	19	<5	<5	0.02	<10	30	<100	136	6	<10	7	21
282431	744750	1	0.21	17	38	24	<1	4	1.45	<4	7	328	10	0.99	0.09	1	0.11	247	6	0.01	21	<100	8	<5	<5	0.02	<10	21	<100	79	4	<10	4	4
282432	744751	<1	0.63	32	39	45	<1	5	0.93	<4	6	238	20	1.23	0.25	4	0.21	204	4	0.12	20	247	5	<5	<5	0.03	<10	19	<100	105	5	<10	4	9
282433	744752	<1	0.78	<2	43	22	<1	5	1.06	<4	9	242	7	1.64	0.16	7	0.35	267	4	0.08	22	188	18	<5	<5	0.02	<10	18	<100	22	6	<10	4	18
282434	744753	<1	0.41	<2	40	7	<1	12	0.63	<4	3	504	10	1.16	0.08	3	0.13	187	3	0.12	15	145	8	<5	<5	0.03	<10	14	<100	199	4	<10	2	7
282435	744754	<1	3.31	<2	43	13	<1	10	0.38	<4	31	168	2	6.98	0.15	33	1.95	387	12	0.15	68	257	28	<5	<5	0.04	<10	9	<100	113	25	<10	2	102
282436	744755	<1	4.28	8	44	22	<1	18	2.10	<4	42	104	3	8.90	0.18	44	2.52	770	11	0.14	76	391	34	<5	<5	0.06	<10	42	<100	73	32	<10	7	134
282437	744756	<1	1.08	15	35	36	<1	7	2.02	<4	26	112	10	2.36	0.25	10	0.55	511	5	0.05	28	494	27	<5	<5	0.02	<10	41	<100	<1	9	<10	9	28
282438	744757	<1	1.70	5	32	44	<1	10	3.30	<4	13	154	17	3.34	0.31	13	0.85	1039	7	0.08	39	331	26	<5	<5	0.03	<10	68	<100	117	15	<10	7	40
282439	744758	<1	0.98	2	38	35	<1	12	4.70	<4	12	168	7	3.71	0.27	8	0.97	1298	6	0.16	31	443	26	<5	<5	0.07	<10	90	<100	<1	9	<10	9	43
282440	744759	<1	1.41	3	38	30	<1	10	2.34	<4	11	227	7	2.79	0.22	9	0.69	531	4	0.16	32	485	20	<5	<5	0.04	<10	49	<100	<1	17	<10	5	37
282441	744759	<1	1.29	10	36	27	<1	10	2.20	<4	9	211	7	2.62	0.21	9	0.65	499	4	0.15	34	382	24	<5	<5	0.04	<10	45	<100	60	16	<10	4	36
282442	744760	<1	1.91	6	44	23	<1	16	1.72	<4	20	282	36	3.90	0.18	14	1.00	888	6	0.21	37	375	26	<5	<5	0.05	<10	39	<100	104	17	<10	6	56
282443	744761	<1	0.99	4	44	25	<1	9	1.01	<4	5	368	9	1.50	0.26	7	0.29	289	3	0.30	20	207	21	<5	<5	0.05	<10	24	<100	138	7	<10	4	20

Certified By:
Derek Demianiuk, H.Bsc.

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

Alto Ventures Ltd.
Date Created: 08-10-28 04:05:54 PM
Job Number: 200843375
Date Received: Sep 12, 2008
Number of Samples: 126
Type of Sample: Rock
Date Completed: Oct 7, 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
282444	744762	<1	1.26	5	35	32	<1	8	1.18	<4	13	218	6	2.38	0.26	10	0.61	364	4	0.15	24	319	19	<5	<5	0.04	<10	31	<100	68	10	<10	5	36
282445	744763	<1	1.27	6	39	47	<1	11	0.79	<4	12	339	9	2.09	0.36	9	0.45	344	5	0.23	22	196	27	<5	<5	0.04	<10	24	<100	98	10	<10	4	27
282446	744764	<1	1.07	6	39	39	<1	8	0.81	<4	10	206	8	1.79	0.30	7	0.44	294	4	0.19	20	472	25	<5	<5	0.03	<10	22	<100	<1	7	<10	4	25
282447	744765	<1	0.48	7	39	6	<1	3	0.79	<4	3	277	10	0.68	0.13	2	0.07	234	2	0.25	10	<100	6	<5	6	0.06	<10	21	<100	<1	2	<10	2	4
282448	744744	<1	1.76	2	34	45	<1	12	2.08	<4	17	140	51	3.73	0.26	15	1.03	895	6	0.02	42	410	23	<5	<5	0.02	<10	42	<100	70	16	<10	7	53
282449	744767	2	0.42	43	37	27	<1	2	0.70	<4	12	417	356	1.86	0.16	3	0.20	275	9	0.02	24	<100	10	<5	<5	0.02	<10	17	<100	<1	4	<10	2	13
282450	744768	<1	0.78	12	37	38	<1	6	1.39	<4	11	94	151	1.76	0.23	5	0.42	385	5	0.02	19	484	25	<5	<5	0.02	<10	30	<100	112	7	<10	3	17
282451	744769	<1	0.75	14	38	29	<1	8	2.17	<4	12	217	120	1.98	0.18	5	0.49	586	8	0.02	27	280	25	<5	<5	0.02	<10	48	<100	91	7	<10	3	20
282452	744769	<1	0.72	15	38	28	<1	6	2.09	<4	10	198	111	1.88	0.17	5	0.47	561	7	0.02	21	321	25	<5	<5	0.02	<10	45	<100	134	6	<10	3	22
282453	744770	1	0.79	24	38	38	<1	7	1.59	<4	18	291	34	1.99	0.21	5	0.40	496	7	0.02	28	435	24	<5	<5	0.02	<10	35	<100	<1	6	<10	3	24
282454	744771	<1	0.12	5	42	13	<1	3	0.30	<4	2	182	7	0.40	0.07	<1	0.04	<100	2	0.02	9	356	2	<5	<5	0.02	<10	11	<100	<1	<2	<10	<1	6
282455	744772	<1	0.76	5	35	53	<1	4	1.58	<4	7	210	17	1.56	0.28	5	0.34	421	3	0.02	16	300	16	<5	<5	0.02	<10	36	<100	58	6	<10	4	19
282456	744773	<1	0.82	9	35	56	<1	4	0.84	<4	9	140	18	1.64	0.31	5	0.36	261	3	0.03	17	307	23	<5	<5	0.02	<10	21	<100	<1	5	<10	3	15
282457	744774	<1	1.26	7	34	63	<1	6	1.65	<4	9	235	26	1.98	0.45	7	0.46	360	3	0.17	21	182	26	<5	<5	0.03	<10	40	<100	115	8	<10	5	20
282458	744775	<1	1.78	7	36	39	<1	6	0.96	<4	14	215	10	3.65	0.22	15	1.06	476	5	0.05	33	235	26	<5	<5	0.02	<10	23	<100	52	15	<10	3	54
282459	744776	<1	1.51	5	37	52	<1	8	2.89	<4	14	186	5	2.68	0.37	11	0.72	693	6	0.15	24	604	17	<5	<5	0.04	<10	64	<100	78	11	<10	7	35
282460	744777	<1	1.49	3	39	47	<1	10	2.34	<4	14	127	14	2.97	0.27	11	0.87	608	5	0.03	27	513	27	<5	<5	0.02	<10	52	<100	199	12	<10	5	43
282461	744778	<1	0.49	3	41	12	<1	5	0.11	<4	3	404	9	1.14	0.09	4	0.22	160	2	0.12	14	<100	10	<5	<5	0.02	<10	8	190	23	6	<10	1	14
282462	744779	<1	1.08	<2	46	34	<1	7	0.37	<4	10	237	6	2.09	0.10	11	0.68	354	4	0.04	27	243	23	<5	<5	0.02	<10	25	773	<1	18	<10	5	42
282463	744779	<1	1.05	6	38	35	<1	6	0.39	<4	9	270	7	2.11	0.10	11	0.66	358	4	0.04	24	166	25	<5	<5	0.02	<10	24	784	3	18	<10	5	37
282464	744780	<1	0.67	4	45	18	<1	2	0.18	<4	5	270	6	1.42	0.07	6	0.39	219	2	0.06	15	165	27	<5	8	0.02	<10	16	478	<1	11	<10	3	23
282465	744781	<1	1.23	<2	50	51	<1	5	1.63	<4	11	104	17	2.39	0.33	12	0.74	406	4	0.09	23	337	26	<5	<5	0.02	<10	30	1008	<1	21	<10	10	42

Certified By:
Derek Demianiuk, H.Bsc.

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

Alto Ventures Ltd.
Date Created: 08-10-28 04:05:54 PM
Job Number: 200843375
Date Received: Sep 12, 2008
Number of Samples: 126
Type of Sample: Rock
Date Completed: Oct 7, 2008
Project ID:

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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
282466	744782	<1	1.33	3	38	47	<1	2	1.94	<4	11	169	26	2.78	0.25	12	0.86	452	5	0.06	31	620	33	<5	<5	0.02	<10	47	558	137	23	<10	9	46
282467	744783	<1	1.25	4	42	46	<1	7	1.66	<4	11	138	58	2.69	0.23	11	0.81	429	4	0.10	28	438	29	<5	<5	0.02	<10	46	488	74	23	<10	9	38
282468	744784	<1	0.72	14	33	57	<1	8	1.35	<4	13	203	19	1.66	0.39	6	0.34	311	6	0.04	20	358	23	<5	<5	0.02	<10	37	<100	<1	9	<10	7	19
282469	744785	<1	0.66	4	40	32	<1	5	1.02	<4	4	111	20	1.27	0.23	5	0.31	220	3	0.14	14	307	21	<5	<5	0.02	<10	29	<100	78	7	<10	6	16
282470	744786	<1	1.12	<2	35	31	<1	8	1.74	<4	11	123	20	2.38	0.20	11	0.74	496	5	0.06	26	423	16	<5	<5	0.02	<10	44	<100	100	15	<10	9	43
282471	744787	<1	0.34	<2	40	18	<1	7	0.62	<4	4	230	12	1.13	0.12	3	0.20	157	5	0.08	13	<100	5	<5	<5	0.02	<10	21	<100	163	8	<10	3	4

Certified By:
Derek Demianiuk, H.Bsc.

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

Alto Ventures Ltd.
Date Created: 08-10-27 04:14:34 PM
Job Number: 200843756
Date Received: Oct 6, 2008
Number of Samples: 27
Type of Sample: Channel
Date Completed: Oct 9, 2008
Project ID:

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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
310275	744001	<1	0.40	6	80	3	<1	<1	0.17	<4	5	468	7	1.07	0.01	8	0.22	150	2	0.03	16	137	4	<5	<5	0.02	<10	9	574	5	7	<10	2	13
310276	744002	<1	2.77	3	82	13	<1	13	2.16	<4	37	124	58	4.19	0.05	48	1.67	858	<1	0.07	49	413	19	<5	<5	0.03	<10	41	2437	13	72	<10	6	111
310277	744003	2	3.24	4	92	941	1	16	1.20	<4	43	764	15	3.99	0.24	47	4.01	541	<1	0.36	277	857	18	10	<5	0.02	<10	121	2159	16	96	<10	7	49
310278	744004	<1	1.75	<2	77	96	<1	4	1.44	<4	15	160	37	2.76	0.35	15	0.99	463	<1	0.09	27	402	11	<5	<5	0.02	<10	22	1003	5	17	<10	10	44
310279	744005	<1	1.35	7	71	51	<1	10	2.54	<4	9	190	4	2.06	0.38	11	0.58	422	2	0.06	23	427	9	<5	<5	0.02	<10	33	541	4	10	<10	14	26
310280	744006	<1	1.25	<2	70	55	<1	9	2.74	<4	10	166	2	1.93	0.35	11	0.58	412	<1	0.05	24	402	8	<5	<5	0.02	<10	30	531	7	9	<10	12	24
310281	744007	<1	0.03	<2	78	2	<1	<1	0.06	<4	1	519	6	0.59	0.01	<1	<0.01	<100	1	0.03	12	<100	2	6	<5	0.01	<10	5	<100	3	<2	<10	<1	1
310282	744008	<1	1.96	5	67	56	<1	9	1.34	<4	12	287	4	3.56	0.31	15	0.75	728	2	0.06	17	266	15	8	<5	0.02	<10	18	<100	5	10	<10	8	35
310283	744008	<1	1.90	4	65	54	<1	1	1.30	<4	11	279	4	3.47	0.30	15	0.73	709	3	0.06	17	258	15	<5	<5	0.02	<10	18	<100	2	10	<10	7	34
310284	744009	<1	1.05	<2	70	42	<1	8	2.42	<4	18	152	1	3.10	0.24	8	0.78	637	1	0.06	31	503	12	<5	<5	0.02	<10	47	<100	6	12	<10	5	36
310285	744010	<1	0.88	8	69	18	<1	8	3.48	<4	4	392	5	1.85	0.07	15	0.42	1072	2	0.04	29	161	8	6	<5	0.02	<10	55	<100	5	5	<10	8	125
310286	744011	<1	1.71	21	64	67	<1	15	0.23	<4	6	254	87	4.33	0.23	25	0.67	651	6	0.05	16	241	19	9	<5	0.02	<10	8	<100	4	7	<10	9	242
310287	744012	<1	1.44	4	68	51	<1	8	0.85	<4	7	253	3	2.44	0.21	22	0.62	746	2	0.05	37	292	10	6	<5	0.02	<10	15	<100	5	7	<10	9	202
310288	744013	<1	0.41	51	68	50	<1	8	0.19	<4	2	411	25	2.50	0.17	3	0.06	241	16	0.04	11	100	10	8	<5	0.02	<10	5	<100	5	3	<10	3	32
310289	744014	<1	0.52	120	62	93	<1	7	0.02	<4	2	369	43	4.03	0.33	2	0.05	<100	17	0.07	11	225	18	<5	<5	0.02	<10	13	<100	3	5	<10	3	20
310290	744015	<1	0.91	34	67	66	<1	8	0.02	<4	2	239	12	3.82	0.25	6	0.18	222	6	0.05	9	256	17	5	<5	0.01	<10	8	<100	4	5	<10	4	79
310291	744016	<1	1.50	4	68	66	<1	6	0.85	<4	9	119	8	1.92	0.27	21	0.76	586	<1	0.07	28	248	8	<5	<5	0.02	<10	14	612	5	10	<10	6	99
310292	744017	<1	1.15	6	67	83	<1	5	0.85	<4	8	291	29	1.94	0.34	12	0.36	807	2	0.07	15	275	8	6	<5	0.02	<10	22	574	4	6	<10	14	120
310293	744018	<1	1.75	13	65	42	<1	11	0.04	<4	4	217	37	4.37	0.19	26	0.73	664	4	0.04	13	263	20	10	<5	0.02	<10	7	<100	5	7	<10	4	299
310294	744018	<1	1.80	20	68	43	<1	16	0.04	<4	4	225	40	4.51	0.20	26	0.76	688	4	0.05	13	270	21	8	<5	0.02	<10	9	<100	2	8	<10	4	309
310295	744019	<1	1.54	6	63	80	<1	4	1.08	<4	7	181	3	2.17	0.44	17	0.78	438	<1	0.06	24	420	9	<5	<5	0.02	<10	21	<100	7	7	<10	4	37
310296	744020	<1	1.64	5	74	53	<1	4	1.87	<4	12	205	3	2.18	0.29	15	0.95	429	<1	0.10	31	410	9	<5	<5	0.02	<10	45	867	6	27	<10	9	33

Certified By:
Derek Demianiuk, H.Bsc.

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

Alto Ventures Ltd.
Date Created: 08-10-27 04:14:34 PM
Job Number: 200843756
Date Received: Oct 6, 2008
Number of Samples: 27
Type of Sample: Channel
Date Completed: Oct 9, 2008
Project ID:

* The results included on this report relate only to the items tested
* This Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.
*The methods used for these analysis are not accredited under ISO/IEC 17025

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
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310298	744701	2	0.97	5	84	32	<1	21	1.91	<4	10	225	55	2.40	0.11	11	0.68	359	2	0.11	23	313	29	<5	<5	0.02	<10	63	277	6	25	<10	6	31
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310301	744704	<1	1.51	4	71	56	<1	6	0.71	<4	13	193	90	2.36	0.21	15	0.89	387	<1	0.10	33	435	9	<5	<5	0.02	<10	31	1357	5	25	<10	9	32
310302	744705	<1	1.55	6	66	49	<1	3	0.69	<4	14	171	14	2.38	0.17	15	0.89	388	<1	0.09	30	465	10	5	<5	0.02	<10	57	1348	6	29	<10	9	32
310303	744706	<1	1.29	6	75	34	<1	7	0.57	<4	12	246	13	2.18	0.13	12	0.76	352	<1	0.12	23	427	9	<5	<5	0.02	<10	38	1338	5	31	<10	8	31

Certified By:
Derek Demianiuk, H.Bsc.

APPENDIX D

ROUSELL STRUCTURAL REPORT
MUD LAKE PART

STRUCTURAL ANALYSIS OF THE THREE TOWERS, GREENOAKS AND MUD LAKE PROPERTIES, BEARDMORE-GERALDTON GOLD BELT, ONTARIO

DON H. ROUSELL
CONSULTING GEOLOGIST

REPORT PREPARED FOR
ALTO VENTURES LTD.
2008

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INTRODUCTION

Alto Ventures Ltd. owns five properties in the "Beardmore–Geraldton Gold Belt". These properties are located north of Highway 11, between the towns of Beardmore and Jellicoe (Figure 1). Between August 25 and September 4, 2008, the writer undertook detailed structural mapping of three of these properties, viz. Three Towers (formerly Cote-801), Greenoaks and Mud Lake. Three separate trenches were mapped on the Mud Lake property, viz. Showing No. 6, Wolf Trail and Oliver Severn. The ultimate objective of the investigation was to identify the structures which control the distribution of the gold-bearing quartz veins.

METHOD

Structural data was measured at a total of 74 stations. This included the attitude of foliation, quartz veins, bedding, fractures, dikes, fold hinges and fault striations (slickenlines). The attitude of planar elements are given in terms of strike and dip whereas linear elements (fold hinges, slickenlines) are expressed as plunge and trend. Note that fractures are of two types, viz., those without visible lateral displacement (joints) and those with apparent lateral displacement (faults). The sense of movement of some faults was identified based on the displacement of planar elements or the attitude of slickenlines and the rough-smooth criterion.

For each of the five trenches, the dispositions of the structural elements are plotted on a structural map. Poles to planar elements including quartz veins, foliation, fractures, dikes as well as linear features such as fold hinges are plotted on lower hemisphere equal-area stereograms (see the appendix for an explanation of the technique). Where feasible, mean values were calculated by means of a Braitsch overlay (Herget 1977).

Structural elements are illustrated by a number of photos.

THREE TOWERS PROPERTY

Introduction

The Three Towers Property (formerly Cote – 801) is oriented east-west and is approximately 464 m long and 10 to 20 m wide. Structural data, collected at 24 stations, were plotted on the structural map (Figure 2). Most planar elements, including foliation, quartz veins and fractures strike ENE with steep dips. Bedding is parallel, or nearly so, to the foliation. Fold hinges tend to trend SW with moderate to steep plunges in that direction.

Bedding

Bedrock of the Three Towers Property consists of sandstone, conglomerate, argillite and minor Fe-formation. The metamorphic grade is low. Beds (S_1) strike approximately ENE with steep dips and local overturning of beds. Features such as cross-bedding and scour are well preserved and indicate tops are to the south. The trench coincides with the

Photo 15. Rusty stain, 1.1 m in diameter, at the intersection of two fractures at 040° 80° NW and 010° 90°. Station 25.

MUD LAKE PROJECT – SHOWING NO. 6

Introduction

Showing No. 6 extends for 148 m in a NNE direction. A geologic map is available for the southern 43 m only (Figure 14). Granodiorite rocks of the Coyle Stock are, in part, foliated, folded and fractured. Quartz veins and foliation tend to strike NNE, parallel to the trend of the trench (Figures 14 and 15) whereas folds tend to plunge SSW.

Foliation and shear zones

Figure 16 is a stereographic plot of poles to 15 foliation planes. Thirteen on the poles cluster in the SE quadrant. The mean value, SE quadrant only, is 039° 67° NW.

Photo 16 depicts an area of complex shearing. The coin lies on curved S-planes in a dextral shear zone. Approximately 1 cm above the coin, a brown-weathered strip separates this zone from another dextral shear zone. Some quartz-vein material is parallel

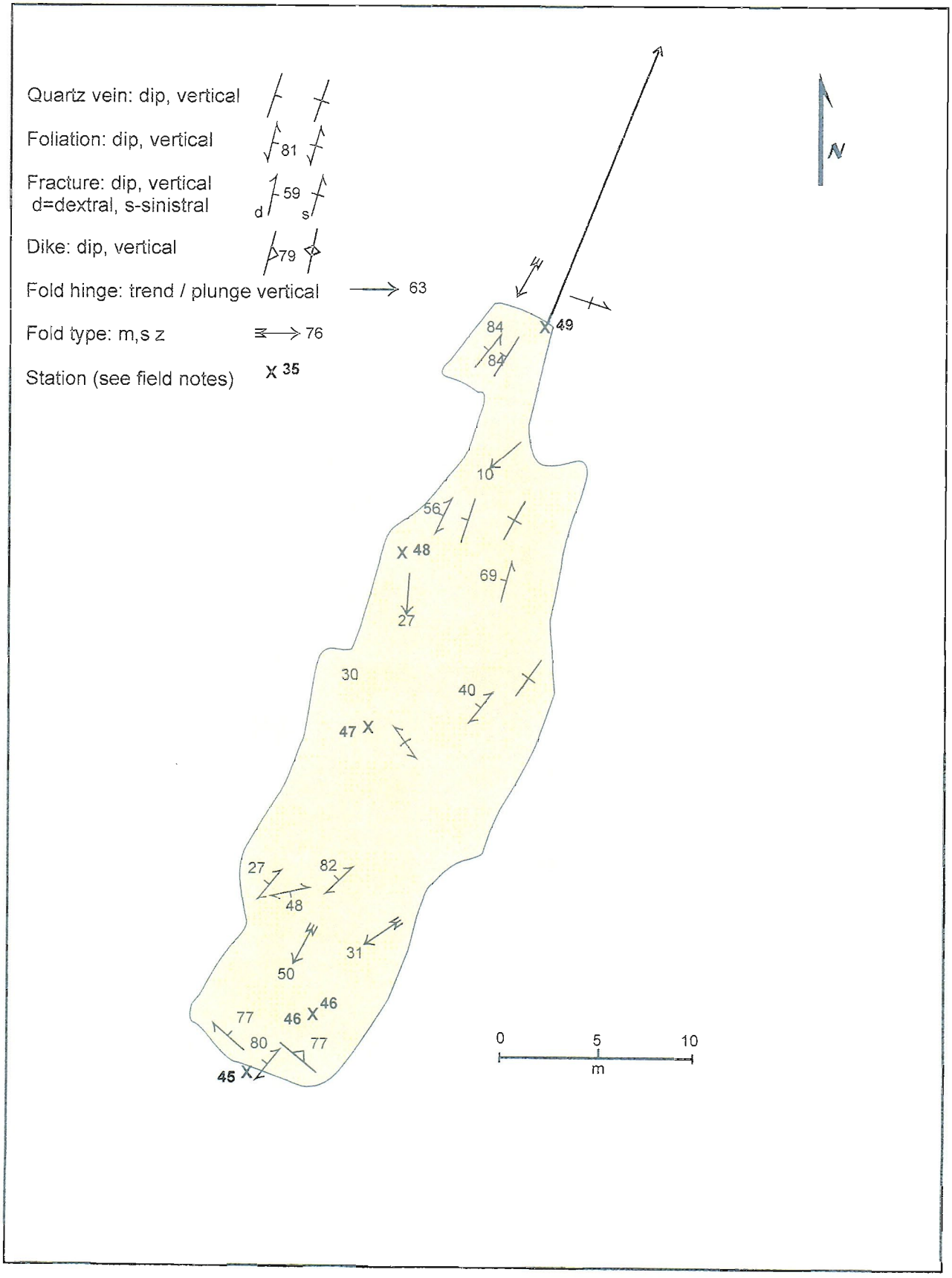

Fig. 14. Structural map of the Mud Lake Project – Showing No. 6.

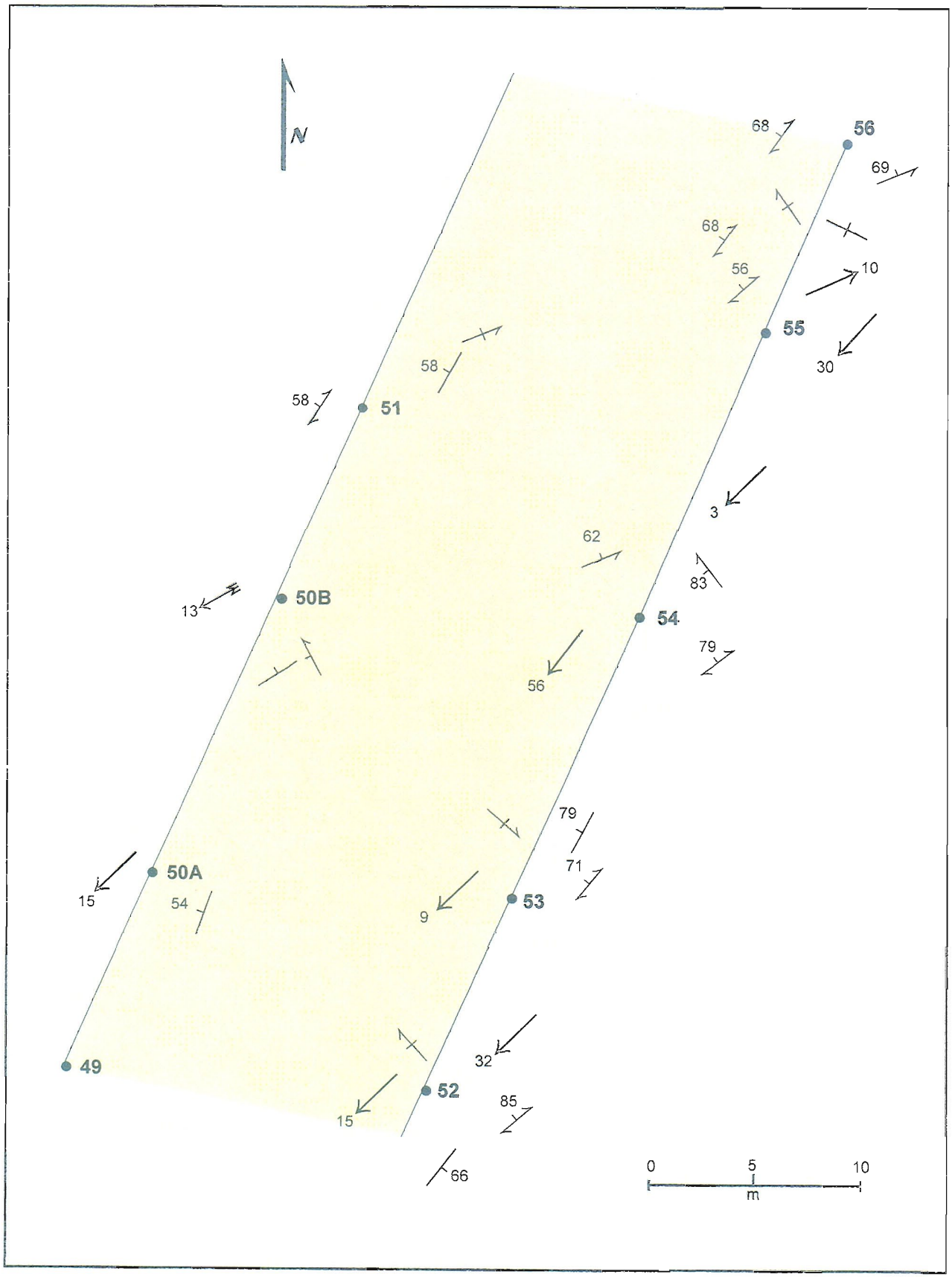

Fig. 15. Continuation of the structural map of the Mud Lake Project – Showing No. 6. See Figure 14 for legend.

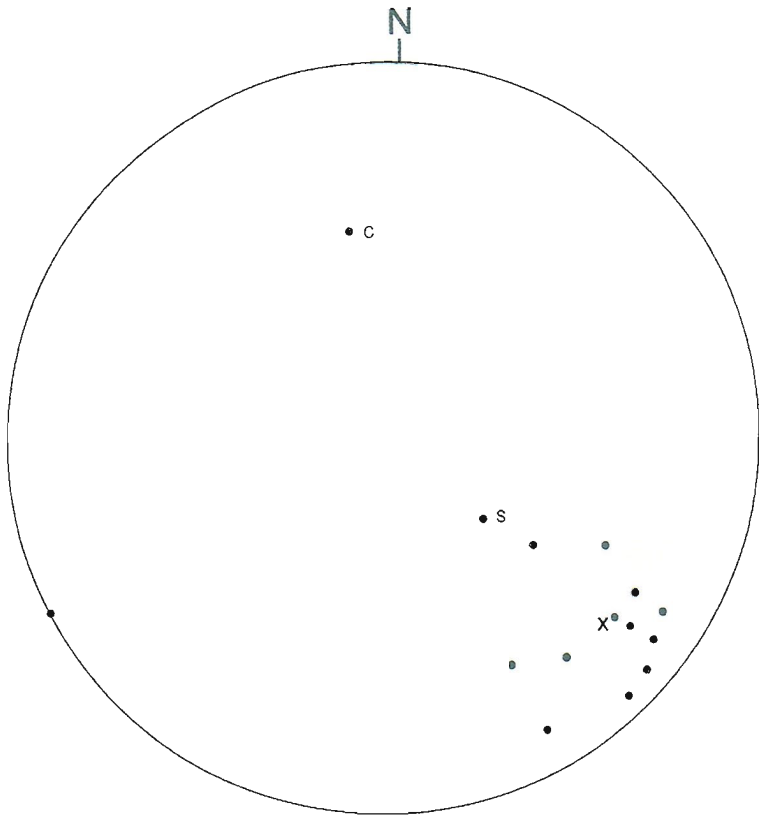

Fig. 16. Stereogram of poles to15 foliation planes (•). S = foliation plane and C = cisaillement plane in a shear zone. Mean (x) of poles in the SE quadrant only (N=13) is 039° 67° NW. Mud Lake Project – Showing No.6.

Photo 16. A location of complex shearing with two dextral and one sinistral shear zones. See text for details. Station 46.

to the shear direction. Above this dextral zone is a narrow band of shearing or cisaillement (080° 48° SE, plotted on Figure 16 as C) which separates the dextral zone from a sinistral shear zone located at the top of the photo (038° 27° NW plotted on Figure 16 as S). Note the quartz vein parallel to the S-planes.

Quartz veins

Most quartz veins strike NE, dip steeply NW and are parallel or nearly so to the foliation. The mean value of the stereo plot (Figure 17) is 034° 81° NW.

Quartz also occurs as subhorizontal masses which appear to be draped over the underlying foliated rock. Photo 17 shows a mass of quartz 1.5 m wide overlying steeply-dipping foliated rock. A further example of subhorizontal quartz masses occurs at a locality known as "the nipple". There a quartz mass 1 m thick is underlain by 80 cm of brecciated foliated-granite and green fine-grained soft chloritic material (Photo 18). The fold hinge at the top of the nipple has an attitude of 30° SW 222° while a second small fold plunges in the opposite direction at 010° NE 063°.

A quartz vein with pinch-and-swell-structure indicates some extension parallel to the vein and the foliation. Vugs with quartz crystals occur at several localities. In Photo 19, a vug 50 x 20 cm contains euhedral quartz crystals 4 cm long.

Folds

Figure 18 is a stereo plot of 14 fold hinges. All but one hinge plots in the SW quadrant where the plunge is rather shallow. The mean value is 17° SW 224°. Folds tend to be cm-scale, i.e. with wave lengths and amplitudes of a few cm. Several folds are open. Photo 20 illustrated a fold viewed in a down-plunge direction (10° SW 230°). Note that S-folds and Z-folds formed by sinistral and dextral couples, respectively, are absent.

Fractures

The rocks at Showing No.6 are not strongly fractured. Poles to 11 fractures and 1 chlorite dikelet are set out in Figure 19. There is no preferred orientation of the fractures. No poles plot in the NW quadrant (i.e. no fractures dip SE).

Deformation

The Showing No. 6 trench lies in a deformation zone approximately 10 m wide. The country rocks adjacent to the zone comprise massive granite. The well developed foliation in the zone locally encloses elliptical enclaves of the massive granite. The presence of a local C-S fabric indicates that shearing occurred in the trench. However, tectonically elongate fragments (Photo 21) are not diagnostic of a particular style of deformation, i.e. flattening, shearing or some combination. The apparent absence of small-scale s and z-folds intimate an absence of horizontal sinistral and dextral shearing. However, s and z-folds formed by vertical shearing would not be readily apparent on a horizontal surface. The moderate development of fractures indicates that brittle deformation was not intense. The presence of drusy vugs suggests the quartz was emplaced at a high crustal level.

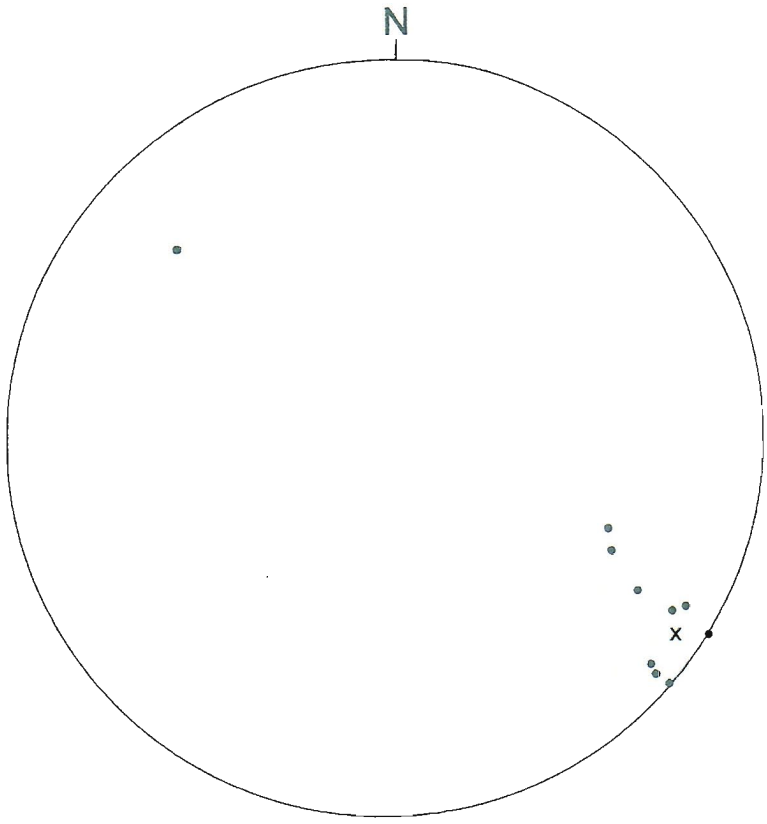

Fig. 17. Stereogram of poles to 10 quartz veins (•). Mean (x) is 034° 81° NW. Mud Lake Project - Showing No. 6.

Photo 17. Quartz vein material, 1.5 m wide, draped over steeply-dipping foliated rock. Station 47

Photo 18. Horizontal quartz mass, 1 m thick, is underlain by a breccia with clasts of granite and green, fine-grained chlorite material. Station 55.

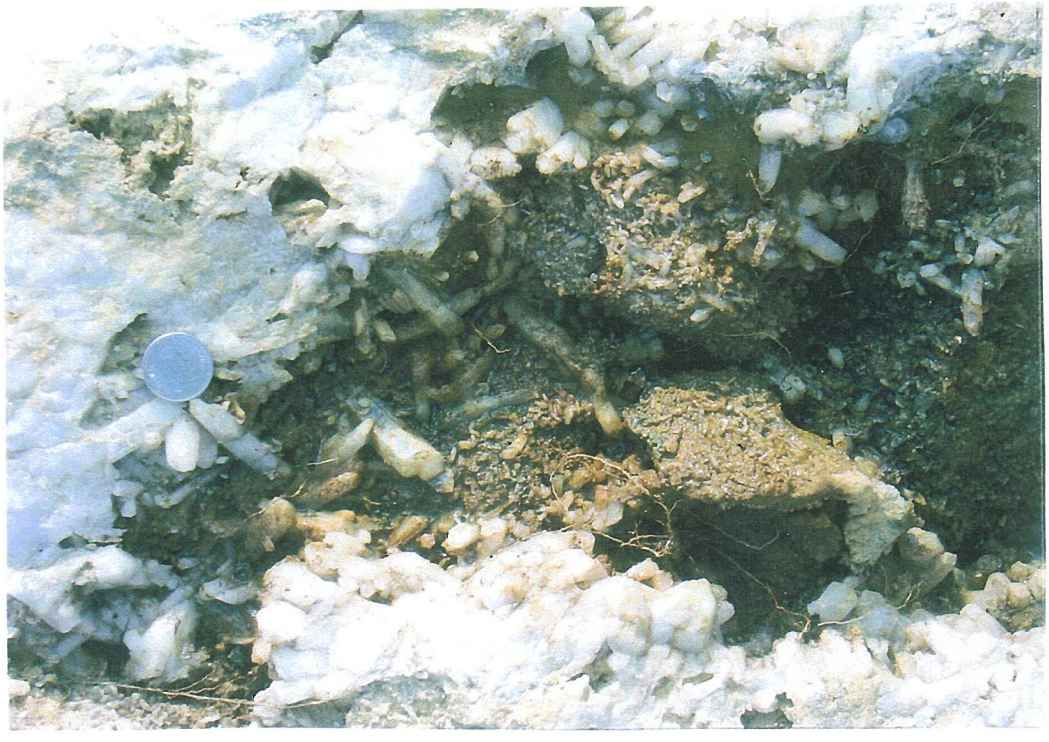

Photo 19. A vug, 50 x 20 cm, contains euhedral quartz as much as 4 cm long. Station 55.

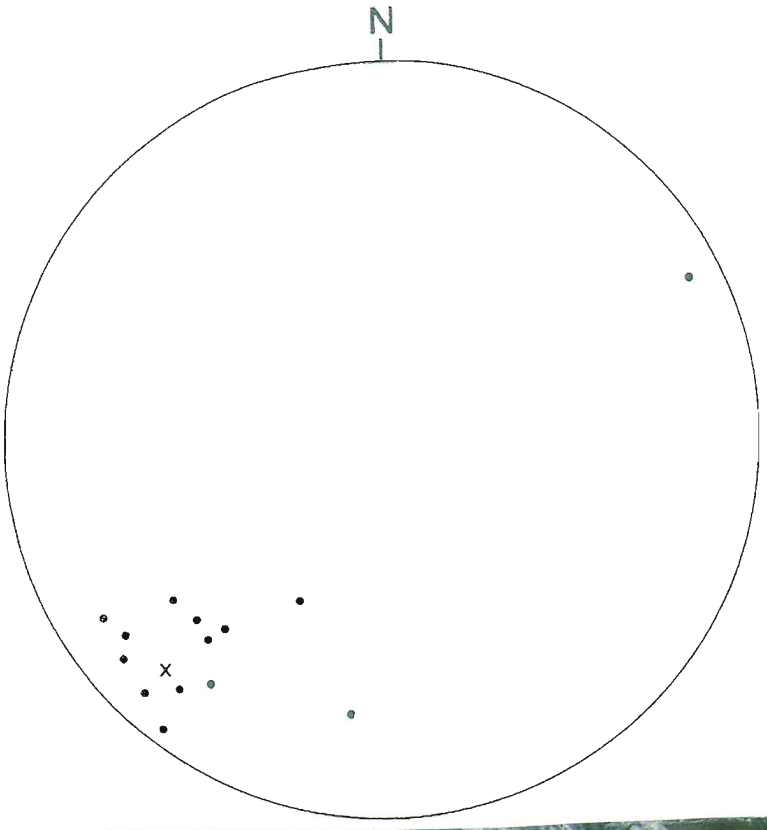

Fig. 18. Stereogram of a plot of 14 fold hinges (•). Mean value (x) is 17° SW 224°. Mud Lake Project – Showing No. 6.

Photo 20. Down-plunge view of a fold with hinge attitude of 10° SW 230°. Station 48.

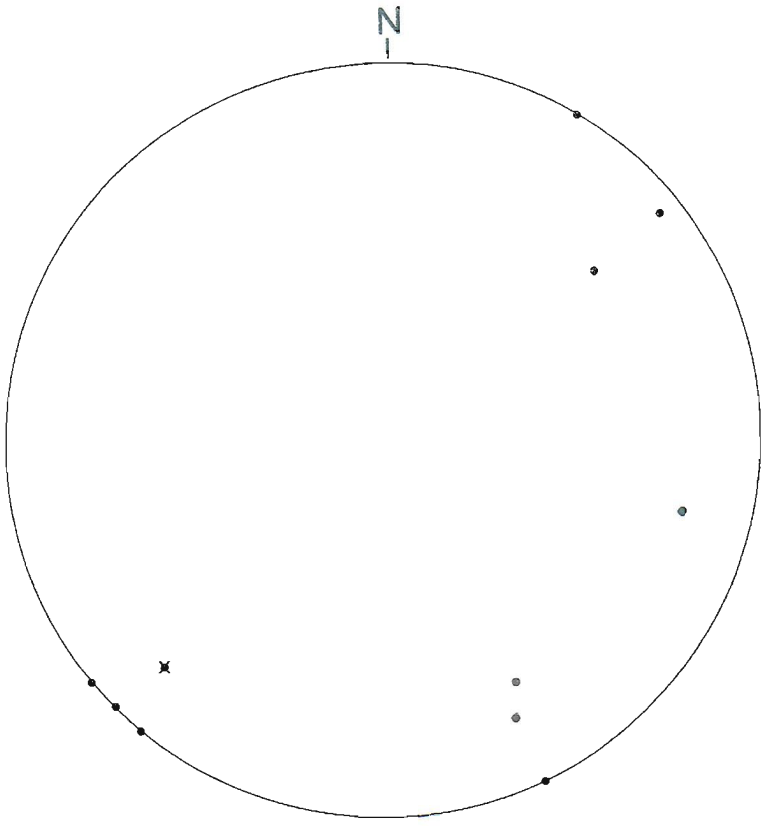

Fig. 19. Stereogram of poles to 11 fracture planes (•) and 1 dikelet (x). Mud Lake Project – Showing No.6.

Photo 21. Tectonically elongated schist fragments in quartz-rich matrix. Station 47.

In summary, the sequence of events is as follows:

1. formation of a deformation zone by a combination of shearing and flattening;
2. emplacement of quartz veins;
3. folding; and
4. minor brittle deformation.

Response to questions posed prior to the investigation

1. Showing No. 6 is a deformation zone with some shear (dextral and sinistral) and some flattening.

2. The mean orientation of the veins is 034° 81° NW.

The foliation is the main control of vein orientation. Folding modifies vein orientation so that a folded vein may become horizontal in the hinge area of a fold.

MUD LAKE PROJECT – WOLF TRAIL TRENCH

Introduction

The Wolf Lake Trench is 12.5 m wide and 99 m long in a direction 055°. The foliation strikes parallel to the long axis of the Trench (Figure 20). The rocks are strongly sheared and brecciated.

Foliation

A stereo-plot of poles to foliation planes (Figure 21) shows a strong cluster in the NW quadrant. The mean attitude of the foliation is 055° 61° SE with the strike parallel to the long axis of the trench.

Slickenlines or fault striations were measured on 7 foliation planes. As might be expected, they plot in or near the SE quadrant. The striations indicate the direction of shear displacement. The actual sense of displacement, using the rough-smooth criterion, is reverse or hanging-wall up. The pitch on all the slickenlines is less than 90° indicating displacement is actually oblique. The displacement on an almost horizontal slickenline (plunge = 10°) is sinistral.

.

The foliation locally anastomoses around granite enclaves which is a pattern observed in other deformed granitic terrains (Gapais and Choukroune 1983).

Quartz veins

Poles to 11 quartz are plotted on the stereogram of Figure 22. Unlike quartz veins orientations in the other trenches, there is no single preferred orientation. Five of the veins lie in the SW quadrant; with a sixth across the line in the NW quadrant. This group has a strike that is sub-perpendicular to the long axis of the trench. The remaining veins are parallel, or nearly so, to the trench long axis and the mean strike of the foliation.

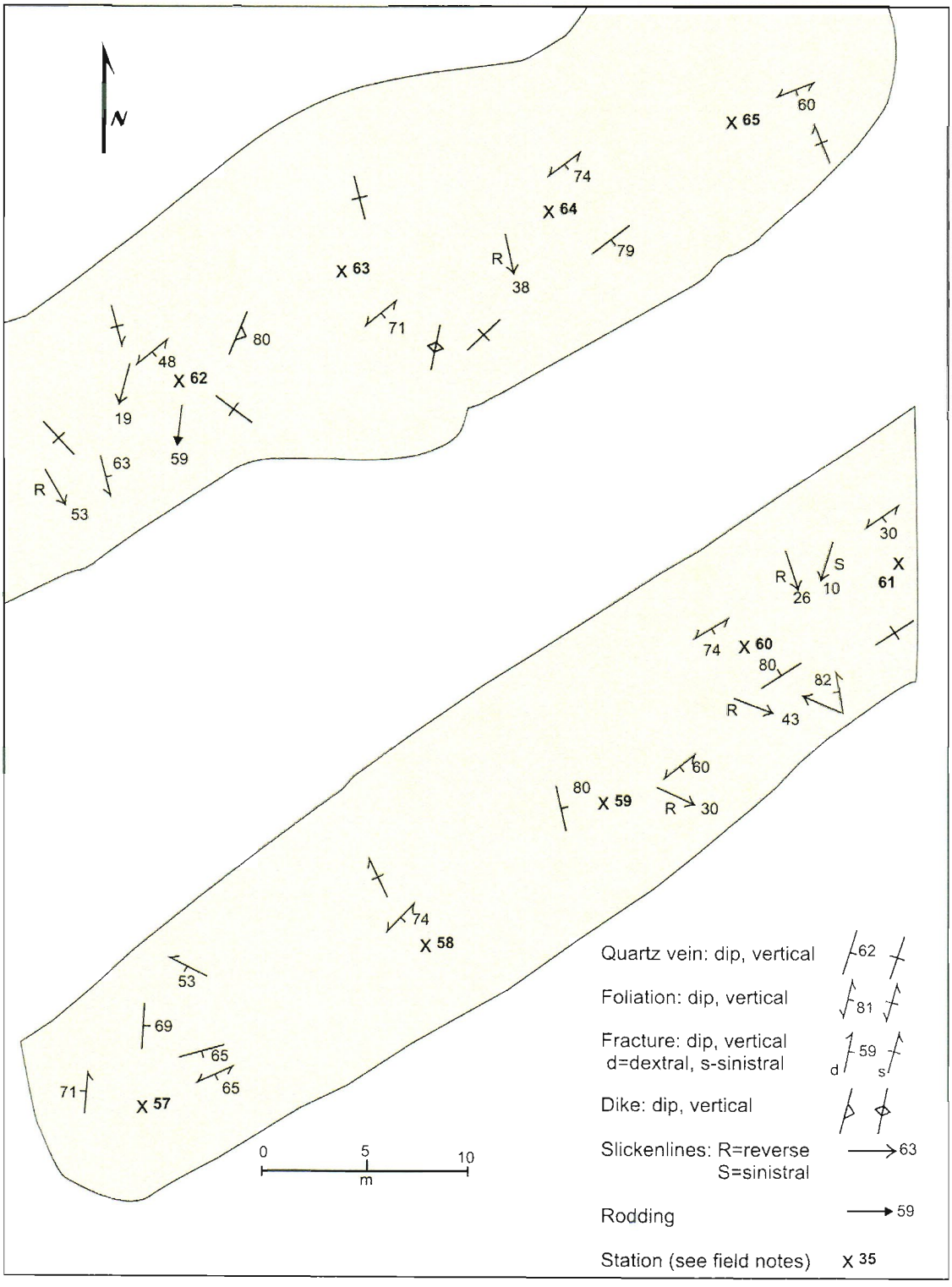

Fig. 20. Structural map of the Mud Lake Project – Wolf Trail Trench.

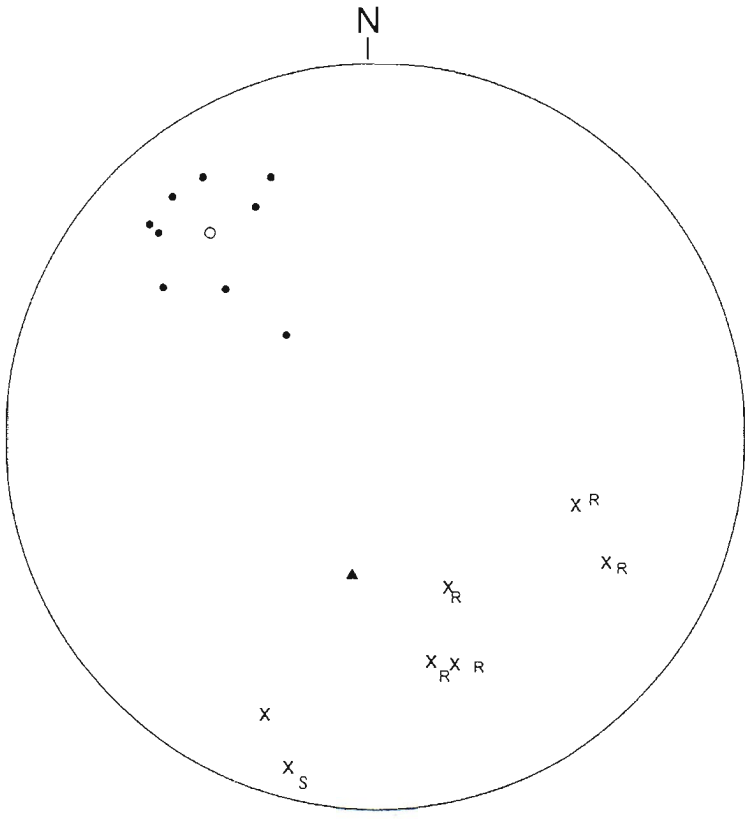

Fig. 21. Stereogram of poles to 9 foliation planes (•), mean (○) = 055^0 61^0 SE; 7 slickenline directions (x); and 1 rod (▲). R = reverse and S = sinistral displacement. Mud Lake Project – Wolf Trail Trench.

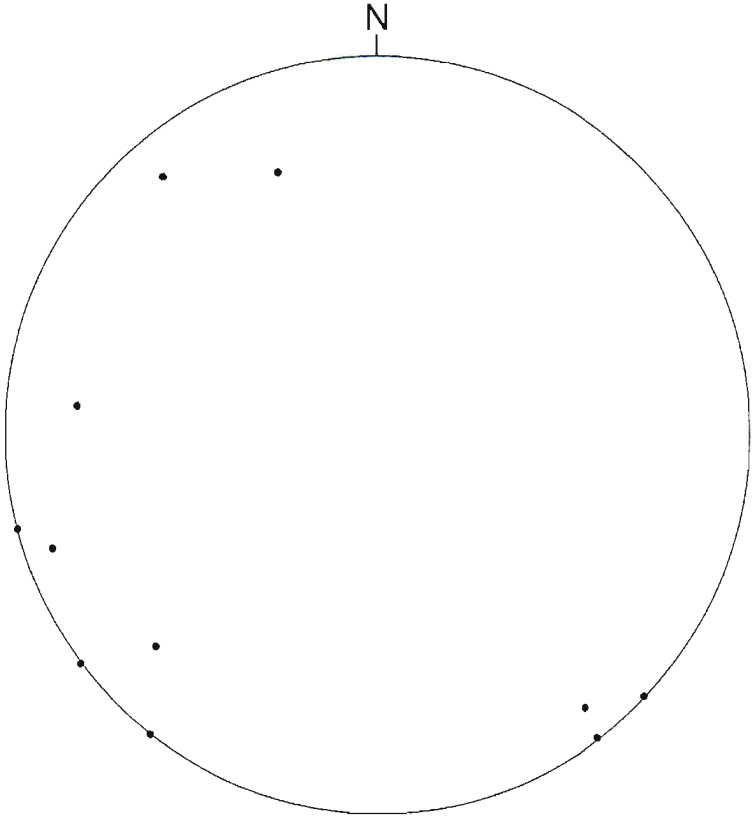

Fig. 22. Stereogram of poles to 11 quartz veins (•). Mud Lake Project – Wolf Trail Trench.

Note that both sets of quartz veins were observed to cut the foliation and cross the breccia. Some veins display quartz crystals.

Fractures

Figure 23 is a plot of poles to 8 fracture planes and 3 chlorite dikelets. The fractures lack a preferred orientation and are not strongly developed.

Deformation

The Wolf Trail Trench is a fault zone. Clasts in a prominent, foliated fault breccia (Photo 22) are as much as 0.7 m in length. They are elongated both along strike and down dip. The foliation planes represent shear planes. The "rough-smooth" shear-sense criterion observed on these planes, suggest oblique reverse slip. This criterion is not infallible. The theoretical dip, for normal and reverse faults (with the principal stresses oriented normal and parallel to the earth's surface), is 60^0 and 30^0, respectively. The mean dip of the shear planes is 61^0 SE which intimates normal faulting. However, this not a "bad" interpretation, as it implies, that the trench is a dilation zone. The formation of fault-breccia suggests a relatively high crustal level (Sibson 1977).

Quartz veins are parallel and normal to the strike of the foliation /shears. Both sets cut the shears and breccia.

The sequence of structural events may be summarized as follows.

1. Formation of a shear zone, 99 x 12.5 m, by oblique reverse slip.
2. Emplacement of quartz veins oriented parallel and perpendicular to the trench.
3. Crustal uplift and erosion. Mild brittle deformation.

Response to questions posed prior to the investigation

1. The sense of movement is oblique reverse in a fault/shear zone
2. The veins strike parallel and perpendicular to the zone which are the directions of greatest dilation
3. as above.

MUD LAKE PROJECT – OLIVER SEVERN SHOWING

Introduction

The Oliver Severn Showing extends 103 m in an ENE to EW direction. The structural map (Figure 24) indicates that the strike of quartz veins and foliation are sub-parallel or oblique to these directions.

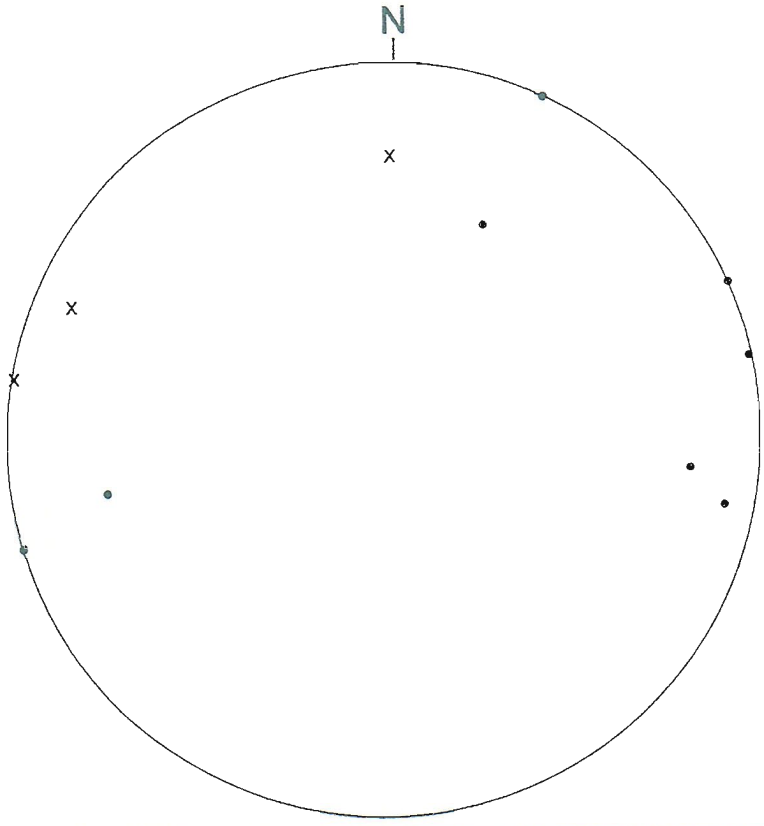

Fig. 23. Stereogram of poles to 8 fracture planes (•) and 3 chlorite dikelets (x). Mud Lake Project – Wolf Trail Trench.

Photo 22. Fault breccia. Note the green chloritic material. Looking NE. Station 60.

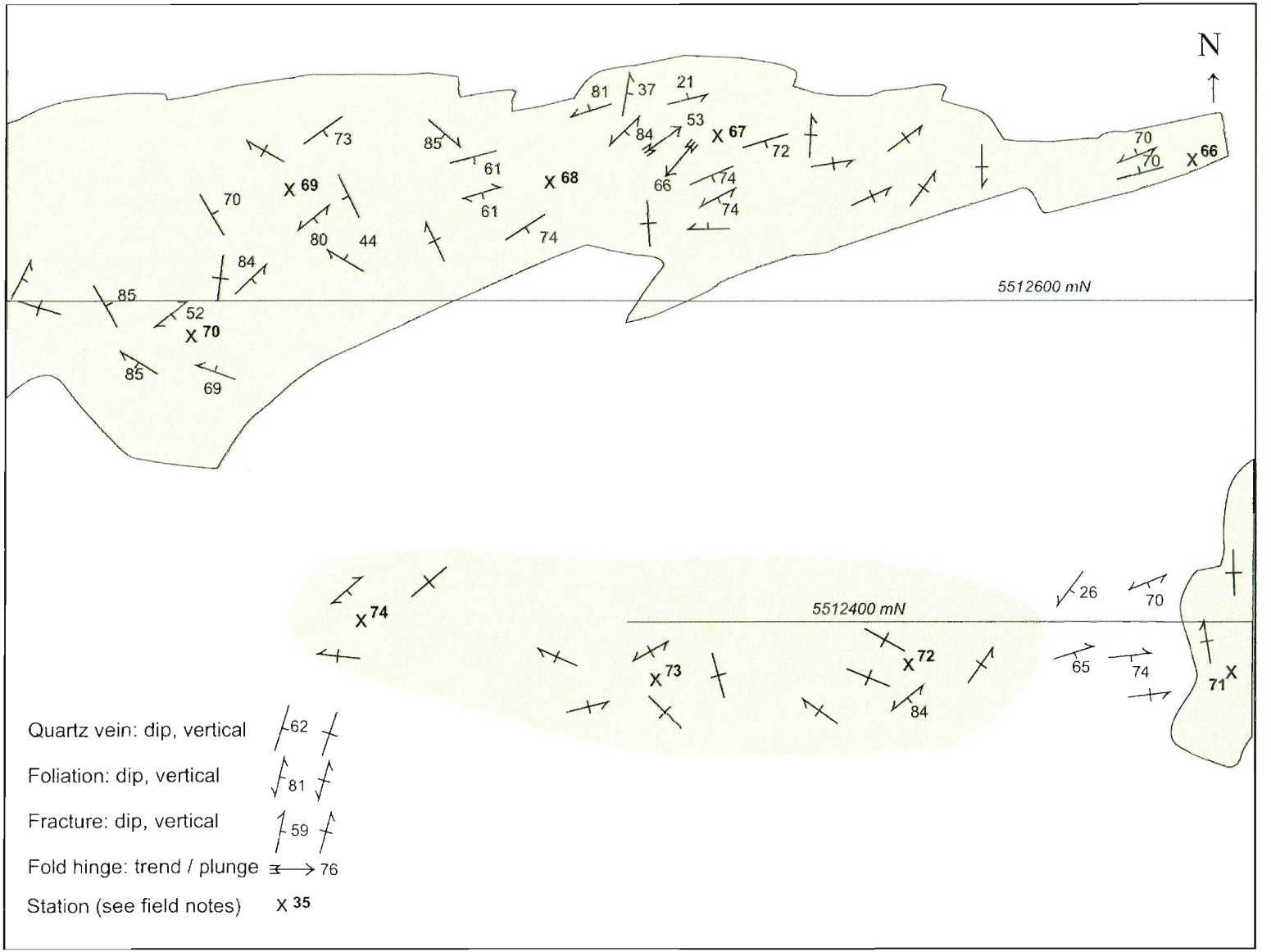

Fig. 24. Structural map of the Mud Lake Project – Oliver Severn Showing.

Foliation

Figure 25 is a stereogram of poles to 10 foliation planes. The mean value is 058° 83° SE.

Quartz veins

Poles to 18 quartz veins are plotted on the stereogram of Figure 26. Several poles lie in the NW quadrant, suggesting that they strike NE, parallel to foliation planes. The plot also indicates several veins which strike between WNW and NNW.

Apart from quartz, the veins contain green schist material, limonite, buff carbonate, azurite, malachite and pyrite (Photo 23).

Folds

The hinge lines of 2 folds are plotted on Figure 25. Both trend NE but plunge in opposite directions.

Fractures

Poles to 26 fractures are plotted on Figure 27. Most fractures strike NE and dip circa 90^0. There is also a steeply-dipping set which strikes NW as well as some fractures with assorted strikes and intermediate dips. Also plotted on Figure 26 are 4 NE-striking shears.

Deformation

The Oliver Severn Showing lies in a deformation zone, up to 8 m wide, enclosed by granodiorite. The zone consists of mafic schist which contains local elliptical enclaves of the granodiorite. Apparently deformation was localized in a mafic dike, a less competent rock than the granodiorite. The zone provided a channel for quartz-Fe carbonate-chalcopyrite? – pyrite veins. Unfortunately, it is not possible to unequivocally determine the origin of the foliation (flattening, shearing) as shear-sense indicators are lacking. However, the veins were presumably emplaced in a dilation zone. Accordingly, a shear origin for the zone is favored.

Response to questions posed prior to the investigation.

1. It is not possible to determine the style of shearing or sense of movement.

2. Most veins strike NE, parallel to the direction of greatest dilation. Some veins strike between ENE and NNE, a diffuse zone of dilation.

3. as above for controls of vein distribution.

Note that in granite terrains, such as the Coyle Stock and other local batholiths, deformation may be localized in relatively incompetent mafic dikes. The resultant dilation provides a locus for mineralized quartz veins. Perhaps local mafic dikes should be an exploration target.

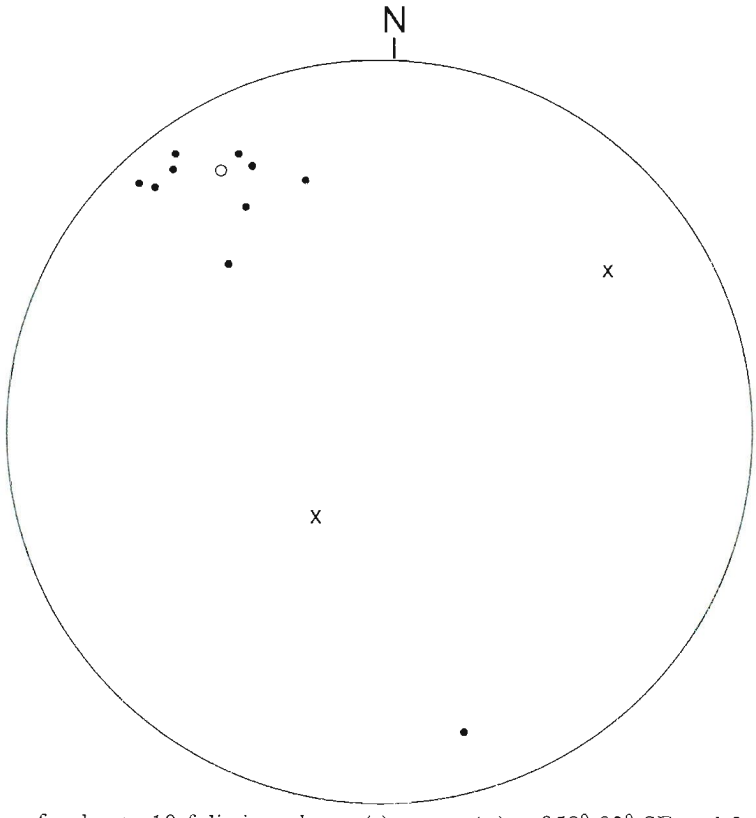

Fig. 25. Stereogram of poles to 10 foliation planes (•), mean (○) = 058° 83° SE and 2 m-fold hinges (x). Oliver Severn Showing.

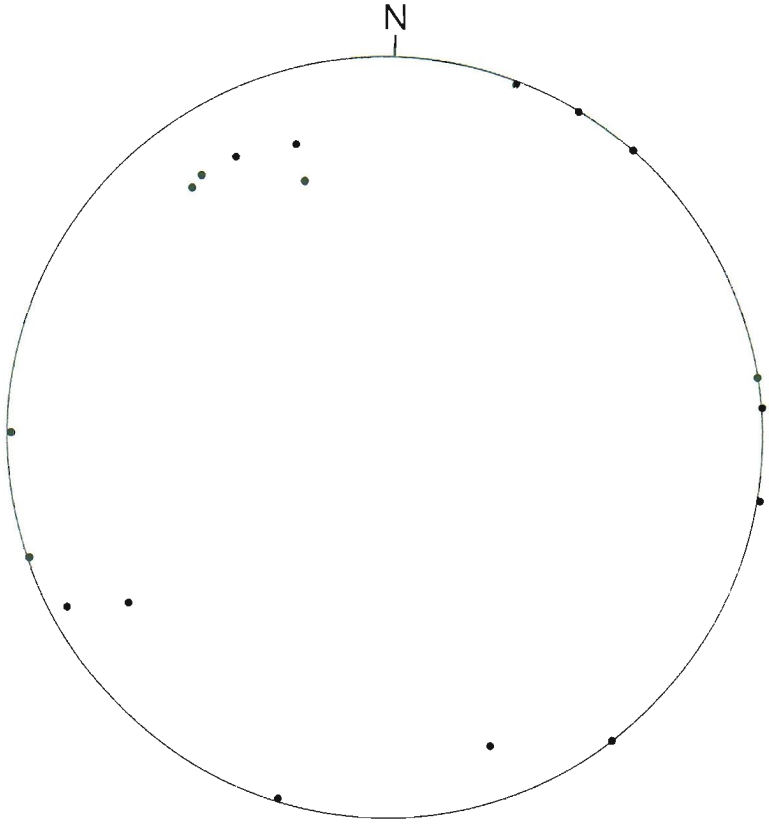

Fig. 26. Stereogram of poles to 18 quartz veins (•). Oliver Severn Showing.

Photo 23. Quartz mass with abundant pyrite. Width of mass = 0.5 m. Station 70.

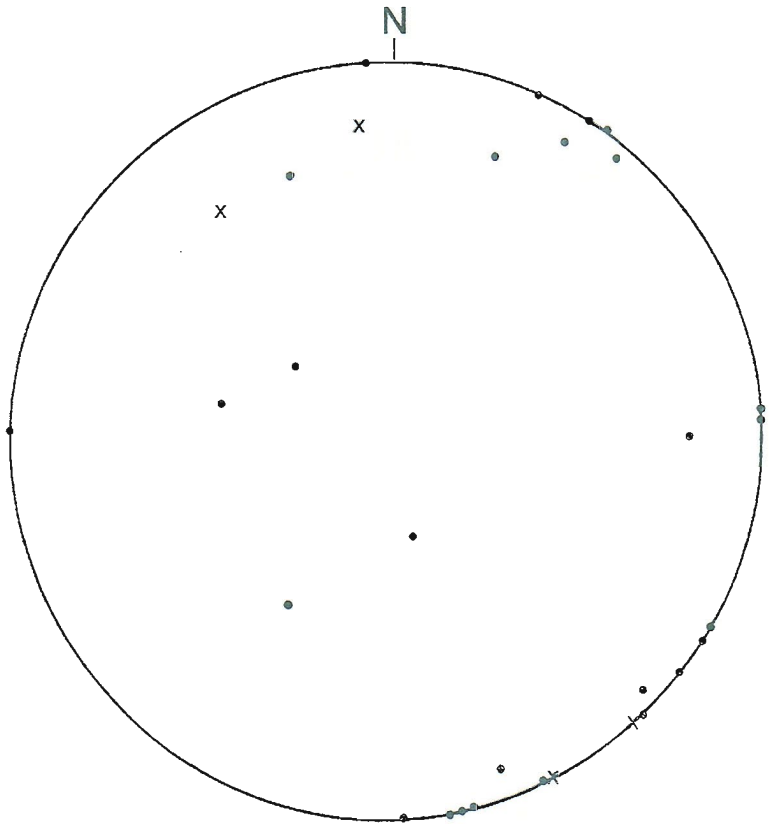

Fig. 27. Stereogram of poles to 26 fractures (•) and 4 shears (x). Oliver Severn Showing.

ACKNOWLEDGEMENTS

While in the field the writer benefited from discussions with Mike Koziol and Richard Lumb. Lorraine Dupuis drafted the diagrams and Charlotte Mosher assisted with the make-up of the report.

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APPENDIX

APPENDIX E

TREMBLAY 2008 PROSPECTING SAMPLE DESCRIPTIONS AND GOLD RESULTS

ALTO VENTURES LTD. MUD LAKE PROJECT 2008 GEOLOGICAL MAPPING AND PROSPECTING BY R.J. TREMBLAY, P.GEO.

Sample No.	UTM Easting	UTM Northing	Location (other)	Description	Sulphides	Structures	Au (ppb)
482106	448723	5511825	near sample 15376 (2005)	Weakly magnetic gabbro	15-20% fine Py	Sheared Az. 060, 85 S	<5
482107	Same	Same	Same	Same	Barren	Same	<5
482108	448837	5511616		White-coloured 15 cm qtz veining	Barren	Vein at Az. 300	61
482109	448850	5511597	40 cm from 15386 (2005)	Qtz stockwork	Barren		1845
482110	448844	5511601	~10 m west of 482109				30
482111	448857	5511593		Qtz flooding+silicification	Barren	Shd at Az. 060	<5
482112	449250	5511650	~70 m west of No.6 showing	Hematite-stained Qtz veins	Trace Py	Vein at Az. 290-300	<5
482113	449155	5511631	~5 m/Az. from 2005 sample	cm-m Chl-Hm-Musc-filled Qtz stockwork	Trace Py	Veining at Az. 280	<5
482114	449152	5511630	~5 m/Az. from 482113	Same as above	Trace Py	Veining at Az. 280	9
482115	449283	5511676	SW corner of No. 6 trench	3-4 parallel 2-15 cm Qtz veins+chlorite	Trace Cp- one 2-3 mm bleb	Vein at Az. 310	<5
482116	449865	5511875	South of chain of lakes	0.3-0.75 m-wide Qtz, Chl+Hem	Trace Py	Vein at Az. 290, dip 80 S	<5
482117	Same	Same	~ 3.5 m W of 482116	Same Qtz vein	Trace Py	Same vein as above	<5
482118	450171	5511681	SE towards Noranda sample	Qtz vein to 30 cm thick	Barren	Vein at Az. 290	<5
482119	450197	5511741	SE towards Noranda sample	Qtz vein to 30-50 cm thick	Barren	Vein at Az. 290, dip 80 S	<5
482120	450060	5511600	Vicinity of Noranda sample	Shr+mafic dyking+Qtz veining to 0.75 m	Barren	Vein at Az. 010, dip 90	<5
482121	450040	5511607	Same	Shr+Chl-Ser, rusty	No sulphides observed	Shr at Az. 050	<5
481122	Same	Same	Same as 482121	30-50 cm thick Qtz	Barren	Shr at Az. 050	<5
482123	450218	5511777		25 cm-wide Shr+Ser+Chl, Fuchsite (?)	Barren	Shr at Az. 055, dip 80 S	<5
482124	450214	5511772	Near sample 482123	2 m-wide Shd diorite, sericitized	Barren; weakly magnetic	Shr at 055, 80 S	<5
482125	450208	5511790	On strike NE of 482124	White-coloured 5-25 cm qtz veining	Barren	Vein at Az. 290	<5
482126	450246	5511798	On strike NE of 482124-125	Ser-Chl shear; north half, possible wall	Traces Py and Cp	Shr at Az. 055	<5
482127	Same	Same	South wall of above shear	Same	Much Mal coating fractures	Same	<5
482128	450090	5511680	Noranda anomalous sample	Qtz in strong shear	Barren	Shr at Az. 050	<5
482129	Same	Same	Same	0.5 m-wide Shear+Lim-Hem-Chl-Ser	Trace Py-mostly leached out	Same	<5
482123	450061	5511659	Along strike to the SW	1.5 m moder. Shr	Barren	Shr at Az. 060, dip 80 S	<5
482124	450073	5511658	Same	30 cm-wide Shr	Barren	Shr at Az. 080, dip 80 S	<5
482132	449987	5511586	Same	30 cm-wide Shr, Ser-Chl	Same	Same	<5
482133	449935	5511556	Same	20-30 cm-wide Qtz vein	Barren	Vein at Az. 270, dip 80 S	10
482134	449892	5511551	Extension of sample 482133 site	Folded Qtz	Barren	Same	<5
482135	450316	5511934		25 cm-wide Qtz vein in 40 cm-wide Shr	Barren	Shr+vein at Az. 055	8
482136	450778	5512117	Limit of prospecting to SW	M-wide ser-sil Shr, with Qtz bands	2-5% fine dissem. Py cubes	Shr+veining at Az. 055	18
482137	Same	Same	Near sample 482136	Rusty zone in M+ Shr	1-5% fine dissem. Py cubes	Same	<5
482138	450633	5511945		Strong m-wide Shr, Sil-Ser-Chl	Barren	Shr at Az. 030-040	<5
744001	450903	5512258		1 m-wide shear	Barren	Shr at Az. 055, dip 75 S	15
744002	450962	5512331		Shear	Barren		6
744003	451002	5512385	~20 m on Az. 015 from No. 002	Shear, resembles Wolf trail trench	Barren	Shr at Az. 055	<5
744004	451252	5512475		30 cm-wide Qtz vein	Barren	Vein at Az. 300	<5
744005	451328	5512451		20 cm-wide Qtz vein	Barren	Vein at Az. 300	<5
744006	451296	5512435		Shr+Qtz-vein+minor Chl mafic intrus.	Traces of Py	Shr+vein at Az. 055	46
744007	449588	5511273		Shr+Qtz-Chl vein, rusty pocket sampled	1-5% Py in pocket	Narrow shr at Az. 055	66
744008	Same	Same	2 m on Az. 055 from 744007	Shr+Qtz with weak rust, silicified	1-2% fine dissem. Py	Same	125
744009	Same	Same	1.5 m on Az. 055+0.75 m SE of 008	Shr+strong sil-ser+Qtz veinlets	No Py observed, leached ?	Shr at Az. 055	179
744010	Same	Same	1.5 m on Az. 055+ m+ SE of 009	Shr+strong sil-ser+smokey Qtz veinlets	Minor fien Py cubes		7
744011	450332	5511193	N end of N-S trench	Shr+20-30 cm rusty Qtz	Sparse Py crystals	Shr+Qtz at Az. 055	7
744012	450325	5511198	5-6 m on Az. 300 from No. 011	Qtz veining over a width of 1.5 m	Barren	Vein at Az. 290	7
744013	Same	Same	South wall of above shear	Qtz dio, strongly silicified, weak mag.	5-15% fine dissem. Py; tr. Cp	Sheared Az. 060, 85 S	6
744014	450317	5511208	On strike and north of No. 013	Shd Qtz dio, or chl-sil granodiorite		Sheared Az. 055, dip vertical	<5
744015	450317	5511210	2.5 m north of sample 014	Qtz dio+ Qtz flooding, 10-15% veinlets	Sparse Py crystals		<5
744016	449714	5511000		2 m-wide shear with Fe-Cb alteration		Shr at Az. 055	<5
744017	449121	5510979		Rusty Qtz blow out, no extensions			<5
744018	449711	5510990		1 m-wide portion of Sil-Ser-Chl shear	1% Py	Shr at Az. 055, dip 90	<5
744019	449861	5511132	Possible extension of previous	2-3 m wide shear; Fe-Cb altered		Shr at Az. 055, dip 80 S	<5
744020	450225	5511128		30 cm-wide Ser-Sil-Chl shr	Tr.-1% Py	Shr at Az. 055	<5
744021	Same	Same	15 cm from sample 744020	Qtz-flooded	Tr.-1% Py	Same	<5
744022			12 m SW from samples 020-021	1.5 m weak shr + Lim-coated fractures	Tr. Py	Same	<5
744023	450166	5511057		Shd Qtz dio. + Ser-Sil	Sparse 1% Py	Same	<5
744024	Same	Same	1.0 m N of sample 744023	Qtz flooding+silicification	Py to 1%	Same	<5
744025	450186	5511076		Subcrop, Shd, Sil-Chl granodiorite	Py to 1% locally	Same	<5
744026	450163	5511063		Shd-Chloritic with fractures/veinlets	5-15% dissem. Py		<5
744027	450153	5511077	NNW of previous station	Same	5-10% Py		<5

744028		450033		5510968		Angular floats, rusty Qtz Dio.	Sparse Py crystals		<5	
744029		449992		5510985		Shd, Ser-Chl		Shr at Az. 055, dip 80 S		40
744030		449631		5510245	Last station prospecting to SW	Rusty Shr	1-10% fine dissem. Py	Shr at Az. 055	<5	
744031	Same		Same		Same site as 744030	Qtz flooding+silicification-smokey	Barren	Same	<5	
744032					10 m NE of 744030-031	> 1m-wide Qtz vein	Trace Py	Qtz vein at Az. 010	<5	
744033		450368		5511271	Traversing NE from old trenches	M-wide rusty Ser-Sil-Chl Shrs, in Qtz dio	To 1% Py, Tr. Cp	Shr at Az. 055, dip 80 S	<5	
744034					5 m on Az. 225 from 744033	Same Shr with Qtz flooding	Fine Py crystals in sil. Bands	Same	<5	
744035					4 m on Az. 290 from 744033	Shr+rusty bands, Sil-Chl qtz veinlets	Tr. Py	Same	<5	
744036		450367		5511275	8-9 m on Az. 280 from 744033	Shr, Sil-Chl	5-10% Py in bands	Same		11
744037		450358		5511283	Angular float-locally derived	Shd Qtz dio., similar to previous stations	Py in fractures and veinlets	Same	<5	
744038		450473		5511327		Narrow shrs+10-20 cm rusty Qtz veins		Same	<5	
744039		450615		5511456		Rusty cataclastic textured, Qtz flooded			<5	
744040		450658		5511516		Shd, Sil-Chl-Ser, local rust			<5	
744041		450685		5511518	Shr at 744040 NE extension	Shd, Sil-Chl-Ser intermittent over 5 m			<5	
744042		450643		5511505		10-20 cm Qtz veins along rusty shr			<5	
744043		450738		5511551		Rusty Shears+ Lim-Hem	Tr.-1% Py in Chl-filled veinlets		<5	
744044		450737		5511600		Shears+breccia textures; poss. Folding			<5	
744045	450056 (?)			5511728		>10 zone of shearing, strongly silicified	Barren		<5	
744046		447761		5509653		30 cm shear, rusty, minor Qtz			<5	
744047		447864		5509756		Shr, Sil-Chl-Ser, weak rust			No Sample Received	
744048	Same		Same		2 m SW of 744047	Shd diorite or gabbro + rusty fractures		Schistosity at Az. 055	<5	
744049		447855		5509764	Near 744048	As above, locally derived angular floats			<5	
744050		447920		5509782		>3m-wide shr Qtz dio or gabbro		Shr at Az. 040	<5	
744501		453338		5514260	Along road to showing No. 1	3 parallel 10-30 cm Qtz veins	Barren	Veins at Az. 290	<5	
744502		453055		5514190		Shd sil. Volcanic	Traces to 1% Po-Py	Shearing at Az. 070, dip 80 S	<5	
744503		453330		5514303	Along road to showing No. 1	Shd rusty Qtz-diorite-gabbro	Traces Py	Shearing at Az. 070, dip 80 S	<5	
744504		451434		5513734	Along long Az. 140-320 trench	Shd blue Qtz eye diorite, strongly Sil	Barren	Shearing at Az. 050, dip 80 S	<5	
744505		451450		5513720	SSE along same trench	0.5 m mod. shd.; chl+sil	Barren	Shearing at Az. 055	<5	
744506					2.5 m SSE of No. 744505	Parallel shear to above	Same	Same	<5	
744507		449715		5512110		1.0 m-wide Qtz vein	Barren	Vein at Az. 300, 80 NE	<5	
744508		450372		5512814	IP M-02, 30+40 N, 0+88 W	Weak-moder. Shd, Chl+Ser	Rare traces Py	Shearing at Az. 055	<5	
744509		450489		5513087	IP M-03, 32+80 N, 2+38 W	0.5-1.0 m-wide rusty Fe-Cb-Ser-Sil shr	Traces to local 1% Py cubes	Shearing at Az. 055, dip 75 S	<5	
744510		452233		5513620	IP M-12, L 50+00 N, 2+10 E	30 cm wide Qtz-Chl vein in > 1 m-wide Shr	Barren	In shr at Az. 060, dip 80 S		11
744511	Same		Same		Same, SE wall of Qtz vein	Strongly Shd, Ser-Chl-Sil-Fe-Cb	1-2% dissem. Py in bands	Shr as above		22
744512	Same		Same		Same, NW wall of Qtz vein	Same as above	Rare traces Py	Same		11
744513	Same		Same		Same, 2.5 m NE of 510-512	20 cm wide Qtz-Chl vein in > 1 m-wide Shr	Rare traces Py	Same		16
744514	Same		Same		Same, SE wall of Qtz vein	Strong shr + Sil-Ser (bleached), Hm+Lm	1-7% dissem. Py cubes	Same		29
744515	Same		Same		Same, NW wall of Qtz vein	Same, more Chl-Sil, weaker Ser, Hm+Lm	Traces Py	Same		19
744516	Same		Same		Same, 15 m NE, on strike ?	Shd fine grained sil volcanic	Barren	Same		10
744517	Same		Same		Same, 3 m NW of 744516	Weak shd felsic intrusive	Barren	Same		12
744518	Same		Same		Same, 3.5 m SW of 744510-513	Shd Qtz diorite, Chl-Ser-Sil-Lm	Traces to 1% Py	Same		17
744519	GPS signal		too weak		IP M-21, 47+18 N, 2+33 W	< 0.5 m weakly shd, Ser-Sil	Barren	Shr at Az. 055		10
744520	GPS signal		too weak		IP M-21, 46+90 N, 2+44 W	> 0.5 m Weak-Moder Shr, Sil-Ser-Chl	Barren	Same		11
744521		451456		5513850	near 44+30 N, 2+35 W	25 cm-thick Qtz+Chl vein	Barren	Vein at Az. 314, dip vertical		10

APPENDIX F

SUMMARY OF WORK PERFORMED

Summary of Work Performed

Work Units

	Strip/wash/channel					Total Credit to Claim
Claim #	Trench #	Cost	Hole #	metres	Cost	
1205082	Trench A	7570	MUD08-39 MUD08-40	47 64	7114 9687	$24,371
1204947	Trench B Trench C Trench No 7 Trench 6Ex	7566 7566 7566 7566	MUD08-31 MUD08-32 MUD08-33 MUD08-34 MUD08-35 MUD08-36 MUD08-42	71 62 56 50 50 116 103	10747 9384 8476 7568 7568 17558 15590	$107,155
1204950	Trench E Trench F	7566 7566				$15,132
3011485			MUD08-37 MUD08-38 MUD08-41	137 149 104	20736 22553 15741	$59,030
Total	7 trenches	$52966		1,009m	$152722	$205,688

Total Drilling Costs: $152,722 for 1,009m; average cost/m $151.36
Total Stripping, washing, channel sampling, mapping costs: $52,966 for 7 trenches, average $7566 per trench

Trenching, Washing, Sampling
Labour
Richard Cote
Aug 20 to Aug 22, 2008, 3 days trenching, hand stripping
Aug 25 to Aug 29, 2008, 5 days trenching, hand stripping, washing
Sep 1 to Sep 6, 2008, 6 days outcrop washing
Sep 8 to Sep 9, 2008, 2 days channel sampling

Cote Enterprises (Robert Cote)
Aug 20 to Aug 21, 2008, 2 days trenching, hand stripping
Aug 25 to Aug 29, 2008, 5 days trenching, hand stripping, washing
Sep 1 to Sep 4, 2008, 4 outcrop washing
Sep 5, 2008, 1 day channel sampling
Sep 8 to Sep 9, 2008 2 days channel sampling

Total 30 man days

Pumps, hoses and washing equipment, rock saw rentals
12 days @ $200

ATV rentals
26 days @ $20

Mileage costs by trenching crew total 1,800km @ $0.50

Machine Costs
Marc's Backhoe Service, Jellicoe, Ontario
August 25 10 hrs
August 26 10 hrs
August 27 10 hrs
Aug 28 10 hrs
August 29 10 hours
Sep 1 8 hrs
Sept 2 10 hrs
Sept 3 9 hrs
Sep 5 2 hrs

Total 79 hrs @ $115 (9085)

Mike Koziol
July 24 1 day geology
August 14 to 15, 2 days geology
August 27, 1 day geology
Sept 1 to Sept 4, 4 days geology

Richard Lumb
September 1 to 11 (11 days)
September 18, 1 day geology
September 21, 1 day geology

Total 21 man days

Drilling Supervision

Mike Koziol
Sept 24, 1 day spot holes, geology
Oct 1, 1 day spot holes
Oct 9, 1 day supervision
Oct 14, 15, 2 days supervision
Oct 27, 1 day core logging
Oct 29, 30, 2 days geology

Richard Lumb
Oct 5 to Oct 20, 16 days core logging, drill supervision

Total Supervision 24 man days

Moving core for re-examination prior to new drilling
Richard Cote

September 10 to 13, 3 days

Robert Cote
September 10 to 13, 3 days
Mileage charged to moving core 420km @ $0.50

Robert Cote
Oct 5 to 9, core handling, cutting, 3.5 days

Richard Cote
Oct 15, 18, 24, 25, 30, core cutting and handling, 4.5 days

Total 14 man days core cutting, handling

Legend:

Soil Sampling
- 0.137 Mattagami Lake Exploration Soil Samples with g/t Au values (assayed using FA)
- 0.050 Noranda Exploration Soil Samples with g/t Au values (assayed using FA)
- 0.11 Alto Ventures Ltd. Soil Samples with ppb Au values (assayed using MMI)
- Soil Samples over 0.100 g/t Au
- Soil Samples over 0.050 g/t Au
- 0.137 Au in Historical Soil Sample (>100 ppb from Mattagami Lake Exploration) (>50 ppb from Noranda Exploration)
- Point - source anomaly
- Anomaly open along strike

Rock Sampling and Drilling
- MUD07-04 Diamond Drill Holes. Alto Holes: MUD07-01 to MUD08-42. ADR Holes: 99-01 to 99-05. Mattagami Holes: CL81-1 and CL81-2
- 744509 (<0.005) 2008 Prospecting Sample

Showings
- Showing No. 1 — Alto Showing. The line indicates the location, length and strike
- 4.79 g/t Au, Grab Kodiak — Other Showing. With Au values, sample type and sample taker
- Au — Au > 0.1 g/t in rock sample

Misc. Symbols
- Roads
- Rivers
- Alto IP Anomalies. Performed for Alto by Abitibi Geophysics
- Historical Pit

Geology:
- Granite
- Gabbro
- Metasediments
- Metavolcanics

North

0m 250m 500m 750m 1000m
Scale: 1:5000

4.79 g/t Au, Grab Kodiak

5.03 g/t Au, Grab Kodiak

Mud Lake Property Boundary

4203980

3011486

1205082

2008 TRENCH "A"

Oliver Severn

1204947

2008 TRENCH "C"

Wolf Trench

3011485

2008 TRENCH "B"

Showing No. 7

Showing No. 6 Extension

Showing No. 6

2008 TRENCH "E"

2008 TRENCH "F"

Clarke and Clarke Ext.

1204950

South Trench

3011482

3011483

4213483

3011484

Mud Lake Property Boundary

Mud Lake Property Boundary

ALTO VENTURES LTD.

Mud Lake Project
Compilation of Work Completed
June 21, 2009
Compiled and Drawn by: D.K.
West Sheet
Map 1

Mud Lake Property Boundary

River Road

2.41 g/t Au, Grab
Kodiak

1205084

744520 (0.011)
744519 (0.010)
744521 (0.010)
744504 (<0.005)
744506 (<0.005)
744508 (<0.005)

Fault (not named)

Showing No. 3
MUD07-15
MUD07-14
MUD07-13

CL81-1
CL81-2

MUD07-16
MUD07-17
MUD07-18
MUD07-19
MUD07-20

Showing No. 4
Showing No. 5

1205012

744004 (<0.005)
744005 (<0.005)
744006 (0.045)
744008 (<0.005)
744002 (0.006)

1215312

744510 (0.011)
744511 (0.022)
744512 (0.011)
744513 (0.016)
744514 (0.026)
744515 (0.019)
744516 (0.010)
744517 (0.012)
744518 (0.017)

1210760

744503 (<0.005)
744501 (<0.005)
744502 (<0.005)

Showing No. 1
Showing No. 2

Cerro Mining Pit 1
0.70% Cu, 0.03% Zn
0.81% Cu, 0.04% Zn

Cerro Mining Pit 5
3.32% Cu, 0.06% Zn
0.43 opt Ag

Cerro Mining Pit 3 and 4
0.71% Cu, 3.28% Zn, 0.34 opt Ag
1.22% Cu, 2.86% Zn, 0.82 opt Ag

4211617
4211616
1232680
4211242
4213484
4213485

Mud Lake Property Boundary

Mud Lake Property Boundary

Mud Lake Property Boundary

5514000mN
5513000mN
5512000mN
5511000mN
5510000mN

451000mE
452000mE
453000mE
454000mE

Geology:
- Granite
- Gabbro
- Metasediments
- Metavolcanics

Legend:

Soil Sampling
- Mattagami Lake Exploration Soil Samples with g/t Au values (assayed using FA)
- Noranda Exploration Soil Samples with g/t Au values (assayed using FA)
- Alto Ventures Ltd. Soil Samples with ppb Au values (assayed using MMI)
- Soil Samples over 0.100 g/t Au
- Soil Samples over 0.050 g/t Au
- Au in Historical Soil Sample (>100 ppb from Mattagami Lake Exploration) (>60 ppb from Noranda Exploration)
- Point - source anomaly
- Anomaly open along strike

Rock Sampling and Drilling
- MUD07-04 Diamond Drill Holes: Alto Holes: MUD07-01 to MUD08-42; ADR Holes: 99-01 to 99-05; Mattagami Holes: CL81-1 and CL81-2
- 744509 (<0.005) 2008 Prospecting Sample

Showings
- Showing No. 1 Alto Showing: The line indicates the location, length and strike
- 4.79 g/t Au, Grab Kodiak Other Showing: With Au values, sample type and sample taker
- Au > 0.1 g/t in rock sample

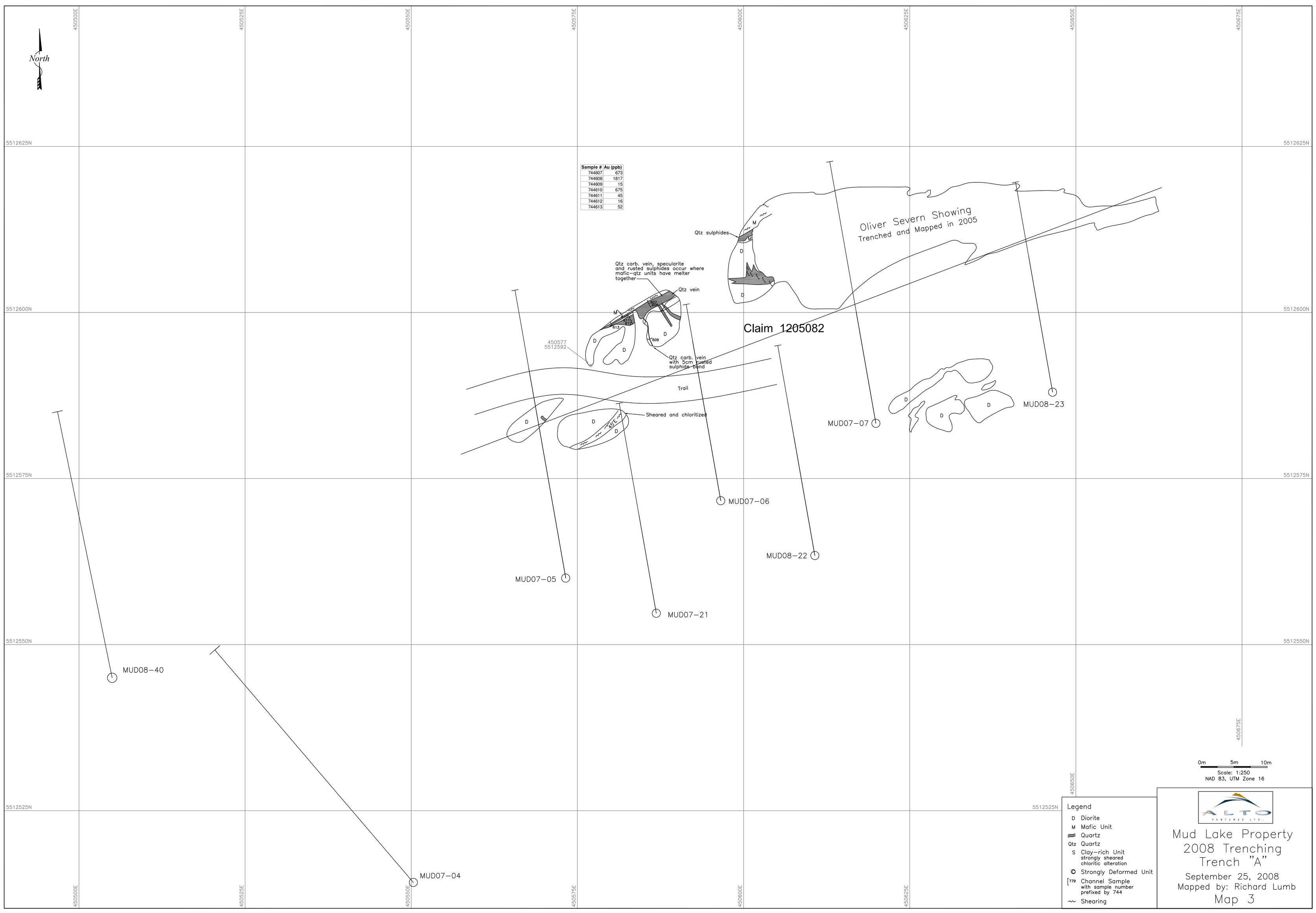
Misc. Symbols
- Roads
- Rivers
- Alto IP Anomalies: Performed for Alto by Abitibi Geophysics
- Historical Pit

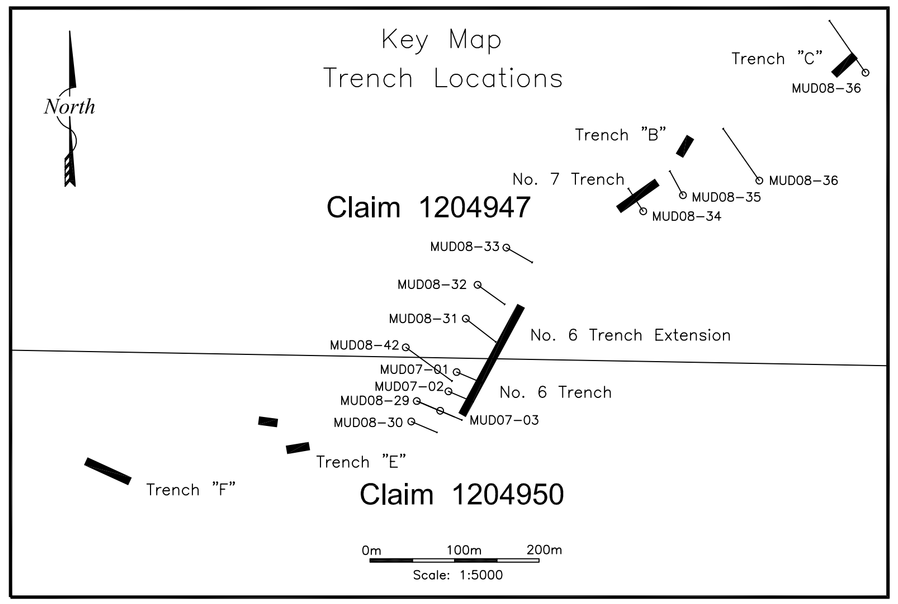
0m 250m 500m 750m 1000m
Scale: 1:5000

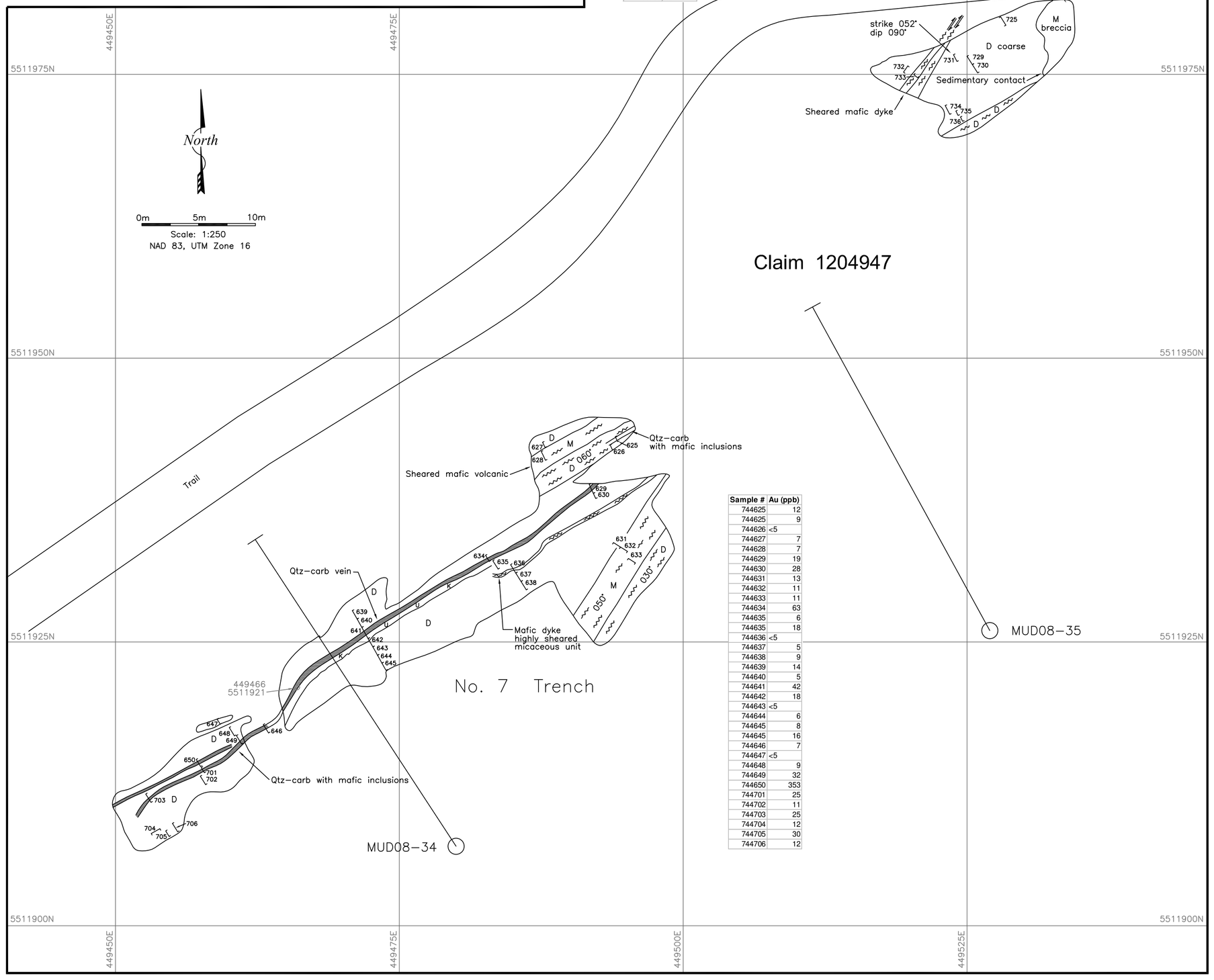
North

ALTO VENTURES LTD.

Mud Lake Project
Compilation of Work Completed
June 21, 2009
Compiled and Drawn by: D.K.
East Sheet
Map 2

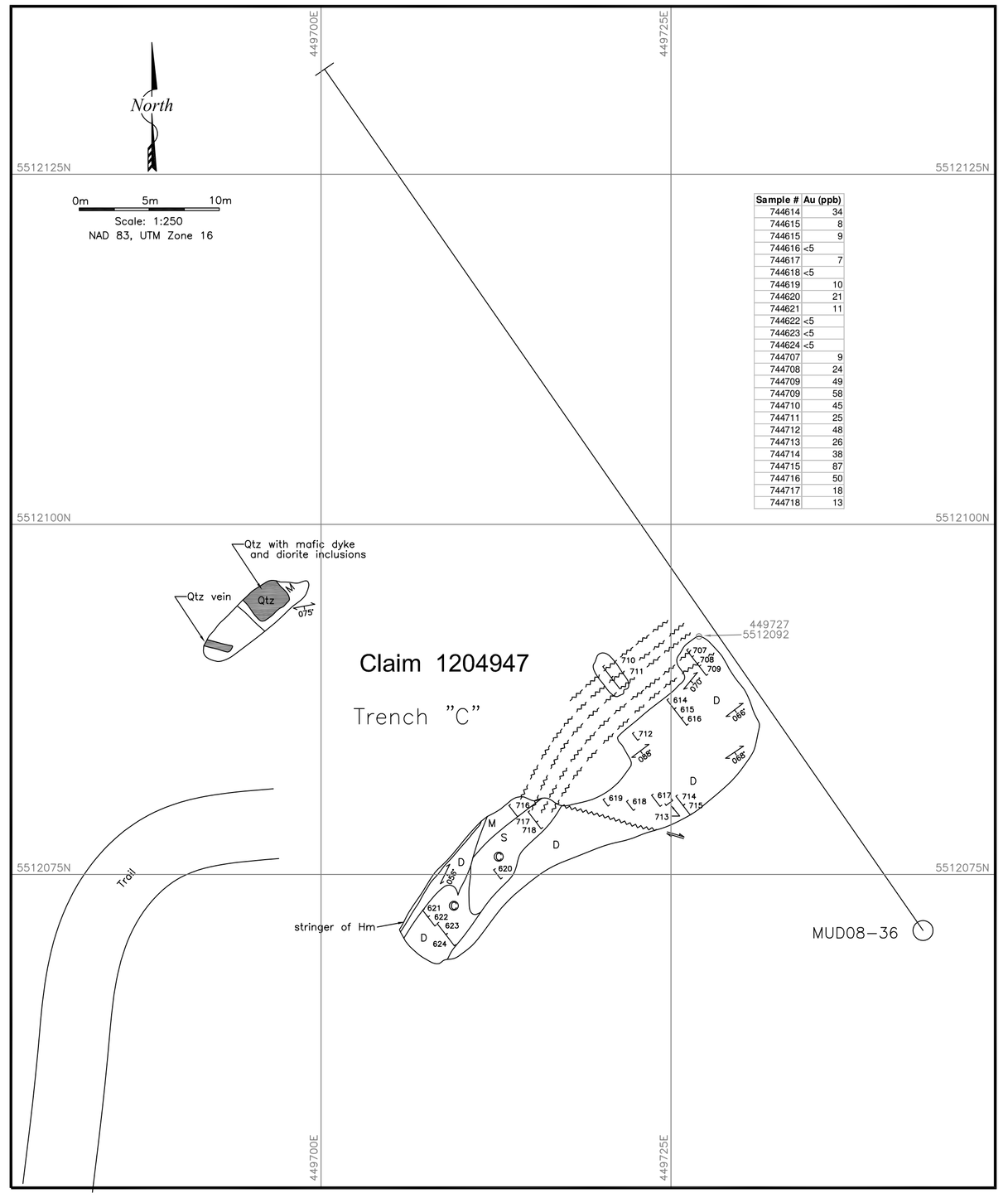

North
450500E
450525E
450550E
450575E
450600E
450625E
450650E
450675E
5512625N
5512600N
5512575N
5512550N
5512525N
Sample # Au (ppb)
744607 673
744608 1817
744609 15
744610 675
744611 45
744612 16
744613 52
Qtz sulphides
M
D
Oliver Severn Showing
Trenched and Mapped in 2005
Qtz carb. vein, specularite and rusted sulphides occur where mafic–qtz units have melter together
Qtz vein
180°
M
613
609
450577
5512592
Qtz carb. vein with 5cm rusted sulphide band
Claim 1205082
Trail
Sheared and chloritized
355°
MUD07–07
MUD08–23
MUD07–06
MUD08–22
MUD07–05
MUD07–21
MUD08–40
MUD07–04
0m 5m 10m
Scale: 1:250
NAD 83, UTM Zone 16
Legend
D Diorite
M Mafic Unit
Quartz
Qtz Quartz
S Clay–rich Unit strongly sheared chloritic alteration
Strongly Deformed Unit
779 Channel Sample with sample number prefixed by 744
Shearing
ALTO VENTURES LTD.
Mud Lake Property
2008 Trenching
Trench "A"
September 25, 2008
Mapped by: Richard Lumb
Map 3





Sample #	Au (ppb)
744719	22
744719	39
744720	9
744721	9
744722	12
744723	17
744724	20
744725	12
744726	6
744727	7
744728	35
744729	7
744729	6
744730	<5
744731	<5
744732	<5
744733	<5
744734	<5
744735	<5
744736	<5

Sample #	Au (ppb)
744625	12
744625	9
744626	<5
744627	7
744628	7
744629	19
744630	28
744631	13
744632	11
744633	11
744634	63
744635	6
744635	18
744636	<5
744637	5
744638	9
744639	14
744640	5
744641	42
744642	18
744643	<5
744644	6
744645	8
744645	16
744646	7
744647	<5
744648	9
744649	32
744650	353
744701	25
744702	11
744703	25
744704	12
744705	30
744706	12



Sample #	Au (ppb)
744614	34
744615	8
744615	9
744616	<5
744617	7
744618	<5
744619	10
744620	21
744621	11
744622	<5
744623	<5
744624	<5
744707	9
744708	24
744709	49
744709	58
744710	45
744711	25
744712	48
744713	26
744714	38
744715	87
744716	50
744717	18
744718	13

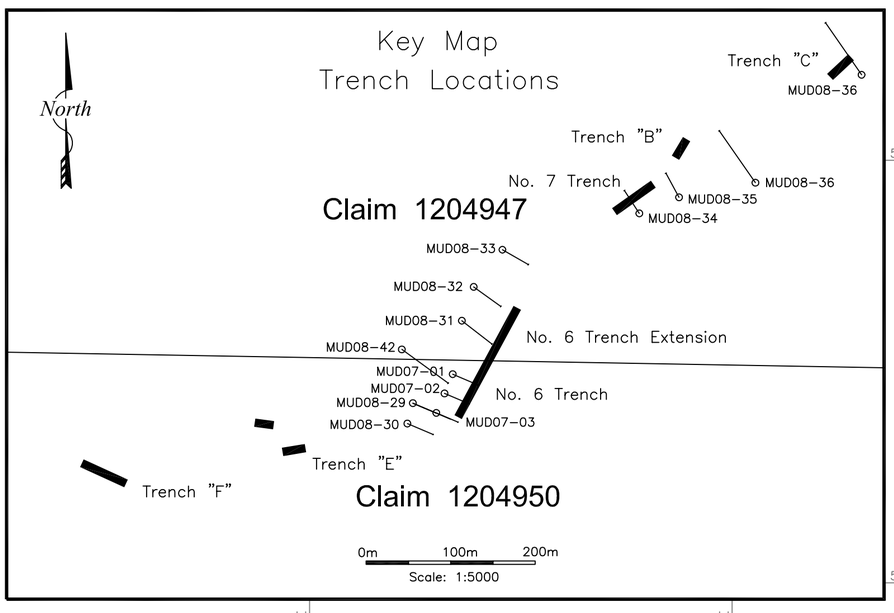
Legend

- D Diorite
- M Mafic Unit
- Quartz
- Qtz Quartz
- S Clay-rich Unit strongly sheared chloritic alteration
- © Strongly Deformed Unit
- 779 Channel Sample with sample number prefixed by 744
- Shearing

ALTO VENTURES LTD.

Mud Lake Property
2008 Trenching
No. 7, "B" and "C" Trenches

September 25, 2008
Mapped by: Richard Lumb
Map 4



Sample #	Au (ppb)
744737	<5
744738	<5
744739	<5
744739	<5
744740	22
744741	<5
744742	28
744743	<5
744744	<5
744745	<5
744746	<5
744747	748
744748	61
744749	7
744749	<5
744750	3557
744751	3065
744752	13
744753	33
744754	6
744755	5
744756	8
744757	23
744758	<5
744759	<5
744759	<5
744760	7
744761	7
744762	12
744763	<5
744764	7
744765	320
744766	76
744767	3135
744768	710
744769	392
744769	284
744770	2307
744771	13
744772	10
744773	11
744774	11
744775	21
744776	41
744777	<5

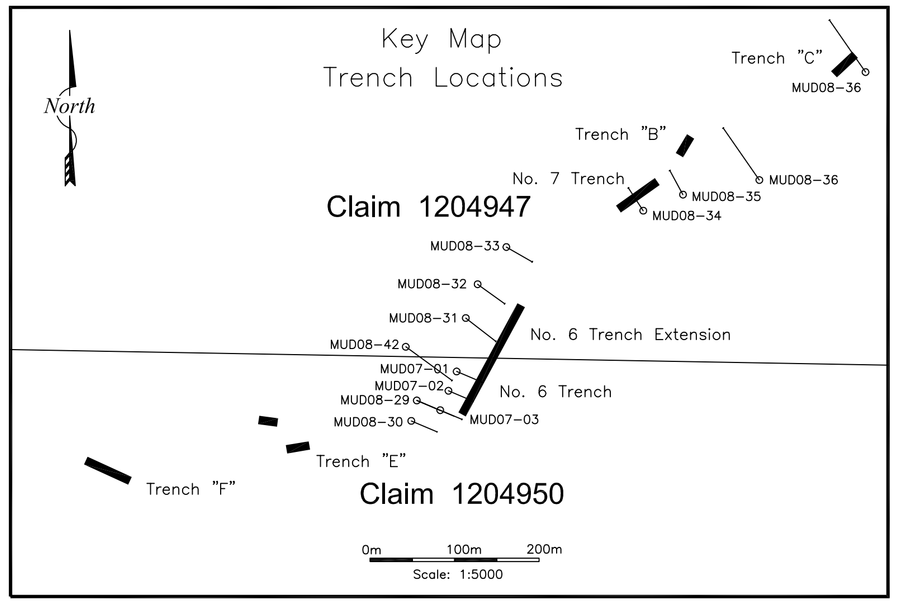
Legend

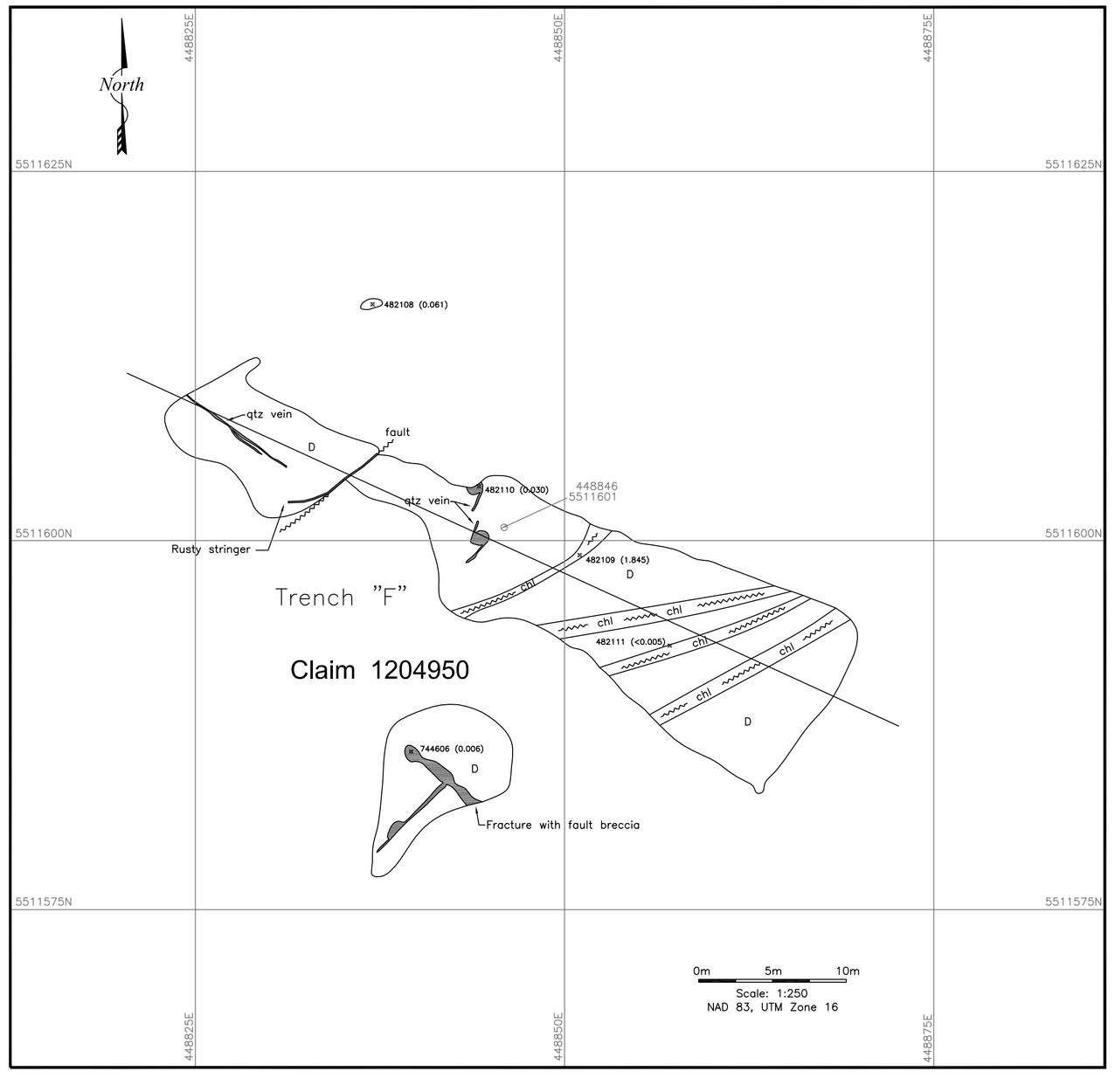
- D Diorite
- M Mafic Unit
- Quartz
- Qtz Quartz
- S Clay-rich Unit strongly sheared chloritic alteration
- © Strongly Deformed Unit
- [779] Channel Sample with sample number prefixed by 744
- Shearing

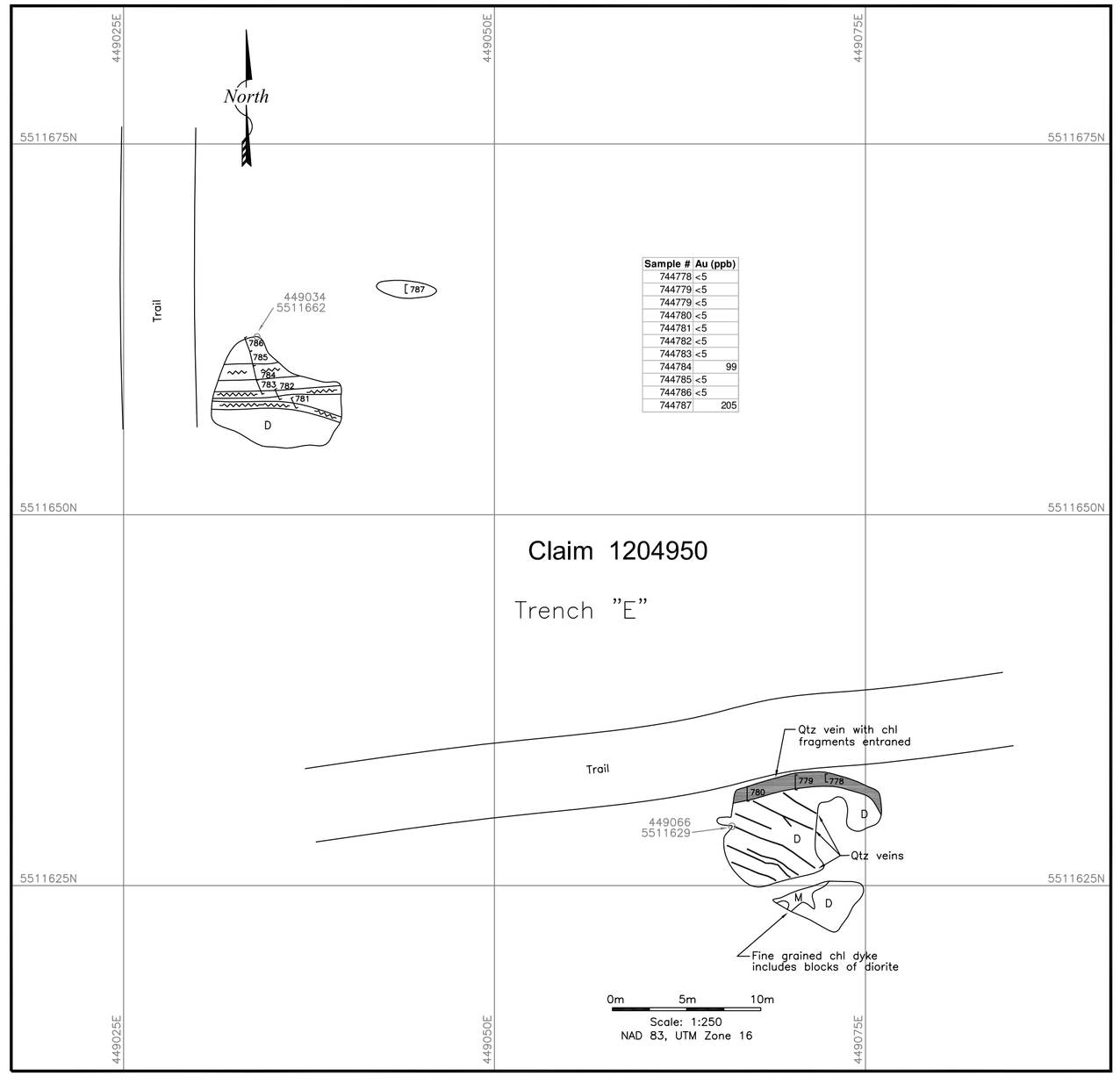
Mud Lake Property
2008 Trenching
No. 6 Extension

September 25, 2008
Mapped by: Richard Lumb

Map 5







Legend

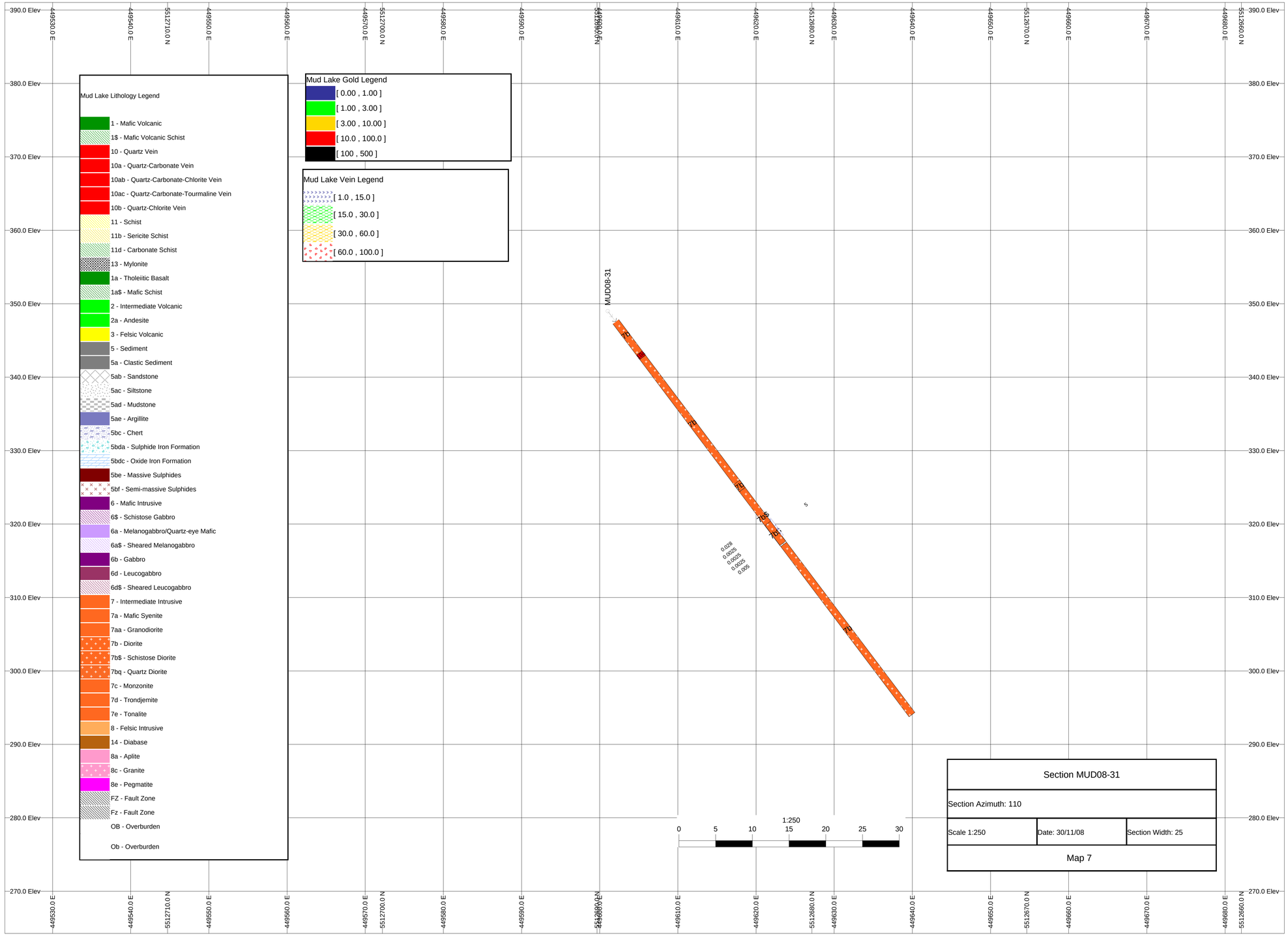
- D Diorite
- M Mafic Unit
- Quartz
- Qtz Quartz
- S Clay–rich Unit strongly sheared chloritic alteration
- © Strongly Deformed Unit
- [779 Channel Sample with sample number prefixed by 744
- × Grab Sample with Au ppm in ()
- Shearing

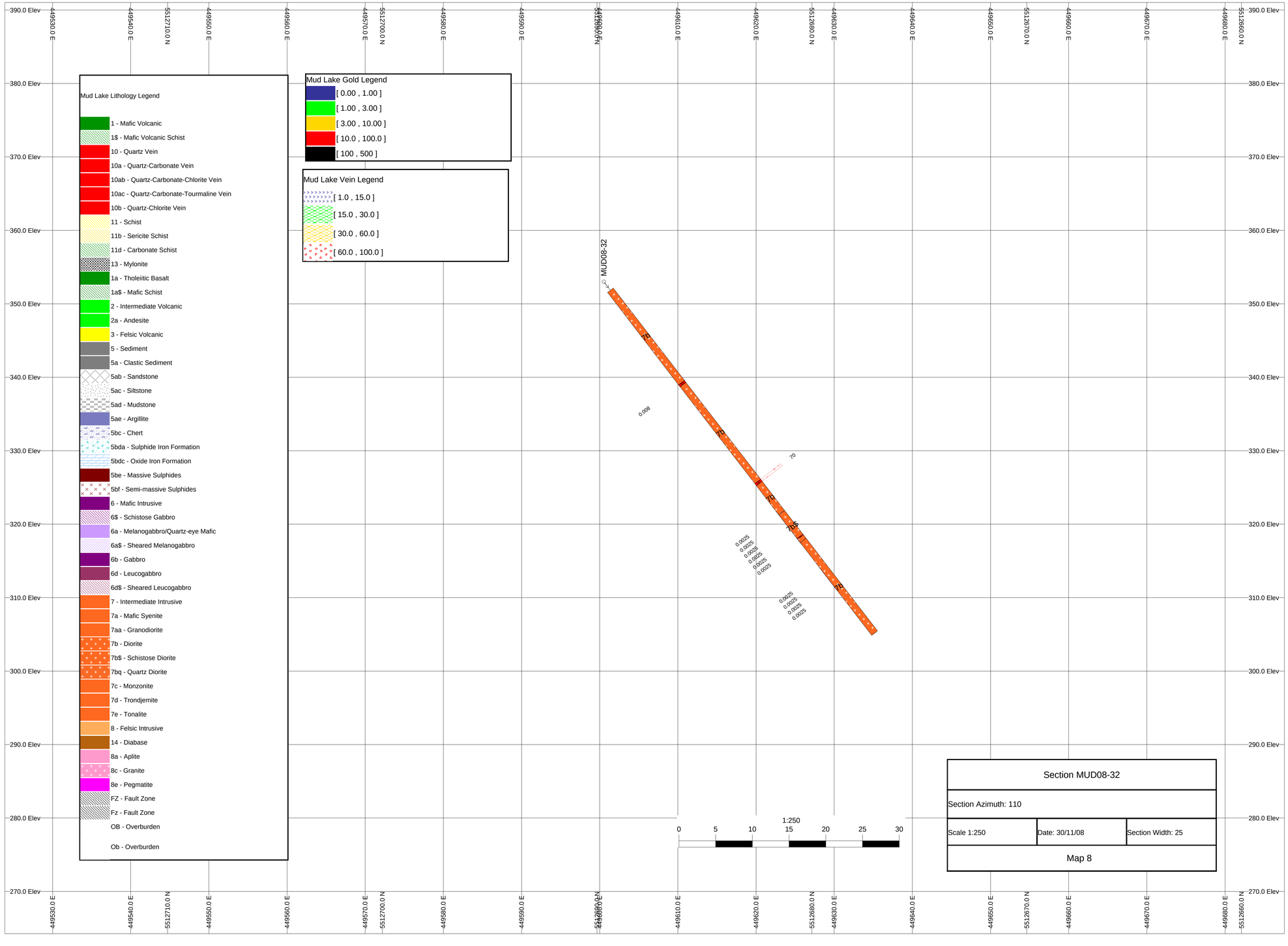
Mud Lake Property
2008 Trenching
Trenches "E" and "F"

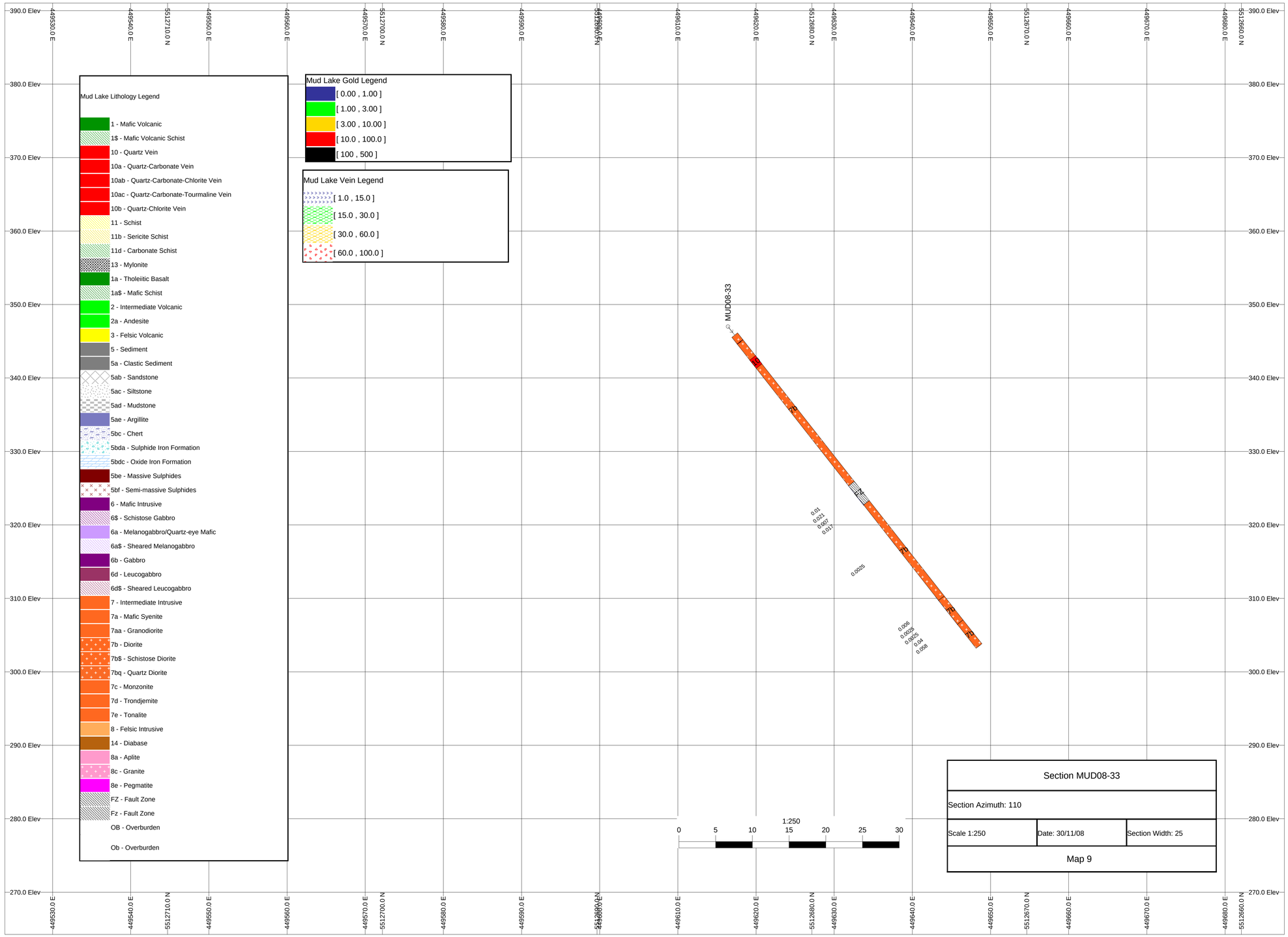
March 19, 2008

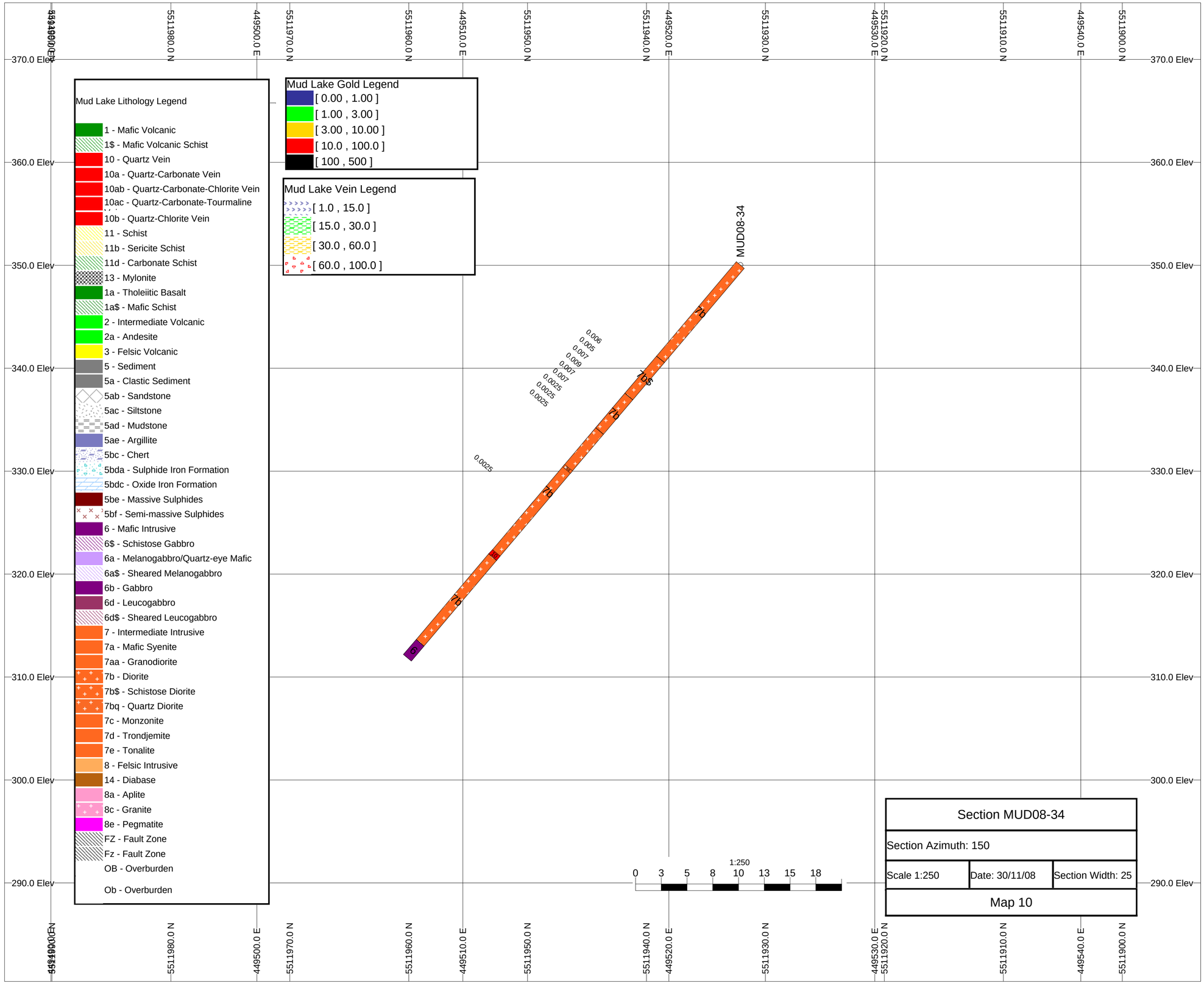
Mapped by: Richard Lumb

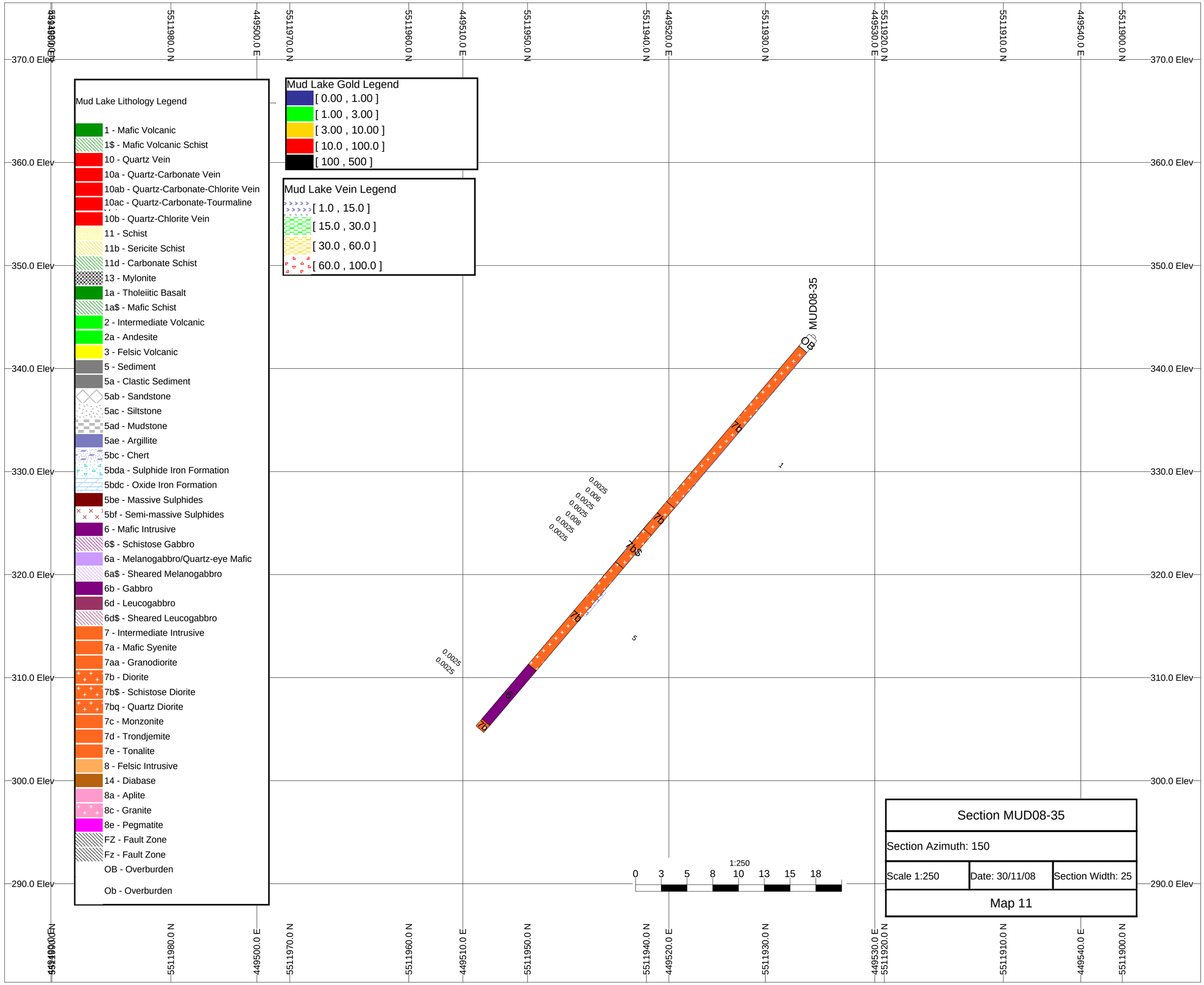
Map 6


Mud Lake 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
11d - Carbonate Schist
13 - Mylonite
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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-31
0.028
0.0025
0.0025
0.0025
0.005
1:250
0 5 10 15 20 25 30
Section MUD08-31
Section Azimuth: 110
Scale 1:250
Date: 30/11/08
Section Width: 25
Map 7

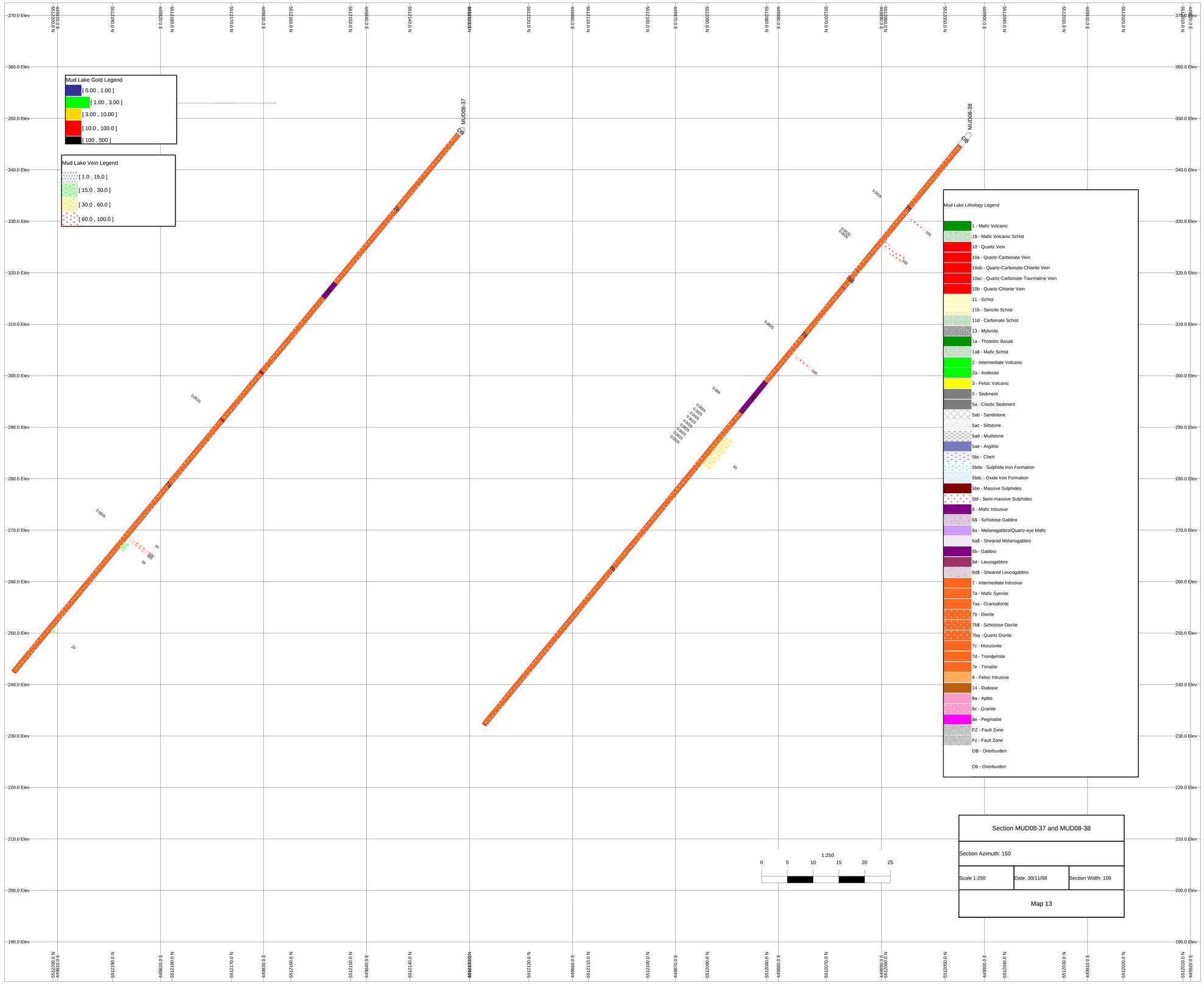

Mud Lake Lithology Legend
1 - Mafic Volcanic
1$ - Mafic Volcanic Schist
10 - Quartz Vein
10a - Quartz-Carbonate Vein
10ab - Quartz-Carbonate-Chlorite Vein
10ac - Quartz-Carbonate-Tourmaline Vein
10b - Quartz-Chlorite Vein
11 - Schist
11b - Sericite Schist
11d - Carbonate Schist
13 - Mylonite
1a - Tholeiitic 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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-32
72
0.008
70
72
70
0.0025
0.0025
0.0025
0.0025
0.0025
0.0025
0.0025
0.0025
0.0025
0.0025
1:250
0
5
10
15
20
25
30
Section MUD08-32
Section Azimuth: 110
Scale 1:250
Date: 30/11/08
Section Width: 25
Map 8
390.0 Elev
380.0 Elev
370.0 Elev
360.0 Elev
350.0 Elev
340.0 Elev
330.0 Elev
320.0 Elev
310.0 Elev
300.0 Elev
290.0 Elev
280.0 Elev
270.0 Elev
449530.0 E
449540.0 E
5512710.0 N
449550.0 E
449560.0 E
449570.0 E
5512700.0 N
449580.0 E
449590.0 E
5512690.0 N
449600.0 E
449610.0 E
449620.0 E
5512680.0 N
449630.0 E
449640.0 E
449650.0 E
5512670.0 N
449660.0 E
449670.0 E
449680.0 E
5512660.0 N

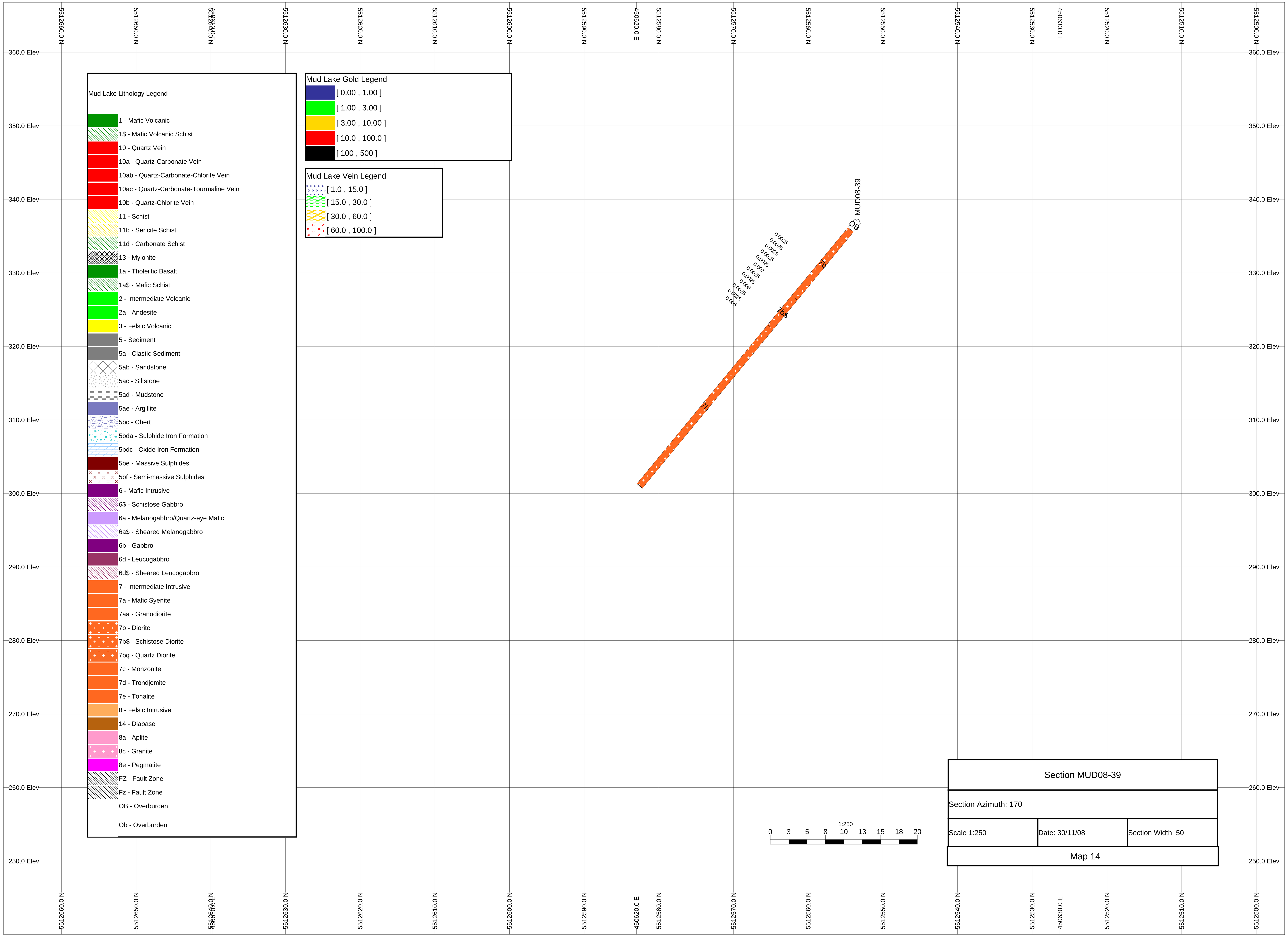

Mud Lake Lithology Legend
1 - Mafic Volcanic
1$ - Mafic Volcanic Schist
10 - Quartz Vein
10a - Quartz-Carbonate Vein
10ab - Quartz-Carbonate-Chlorite Vein
10ac - Quartz-Carbonate-Tourmaline Vein
10b - Quartz-Chlorite Vein
11 - Schist
11b - Sericite Schist
11d - Carbonate Schist
13 - Mylonite
1a - Tholeiitic 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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-33
1
2
3
4
5
0.01
0.021
0.007
0.017
0.0025
0.006
0.0028
0.0025
0.04
0.0038
1:250
0 5 10 15 20 25 30
Section MUD08-33
Section Azimuth: 110
Scale 1:250
Date: 30/11/08
Section Width: 25
Map 9


Mud Lake 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
10b - Quartz-Chlorite Vein
11 - Schist
11b - Sericite Schist
11d - Carbonate Schist
13 - Mylonite
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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-34
7d
7b
7a
7b
7a
OB
0.006
0.005
0.007
0.009
0.007
0.007
0.0025
0.0025
0.0025
0.0025
1:250
0 3 5 8 10 13 15 18
Section MUD08-34
Section Azimuth: 150
Scale 1:250
Date: 30/11/08
Section Width: 25
Map 10
370.0 Elev
360.0 Elev
350.0 Elev
340.0 Elev
330.0 Elev
320.0 Elev
310.0 Elev
300.0 Elev
290.0 Elev
5511980.0 N
449500.0 E
5511970.0 N
5511960.0 N
449510.0 E
5511950.0 N
5511940.0 N
449520.0 E
5511930.0 N
449530.0 E
5511920.0 N
5511910.0 N
449540.0 E
5511900.0 N

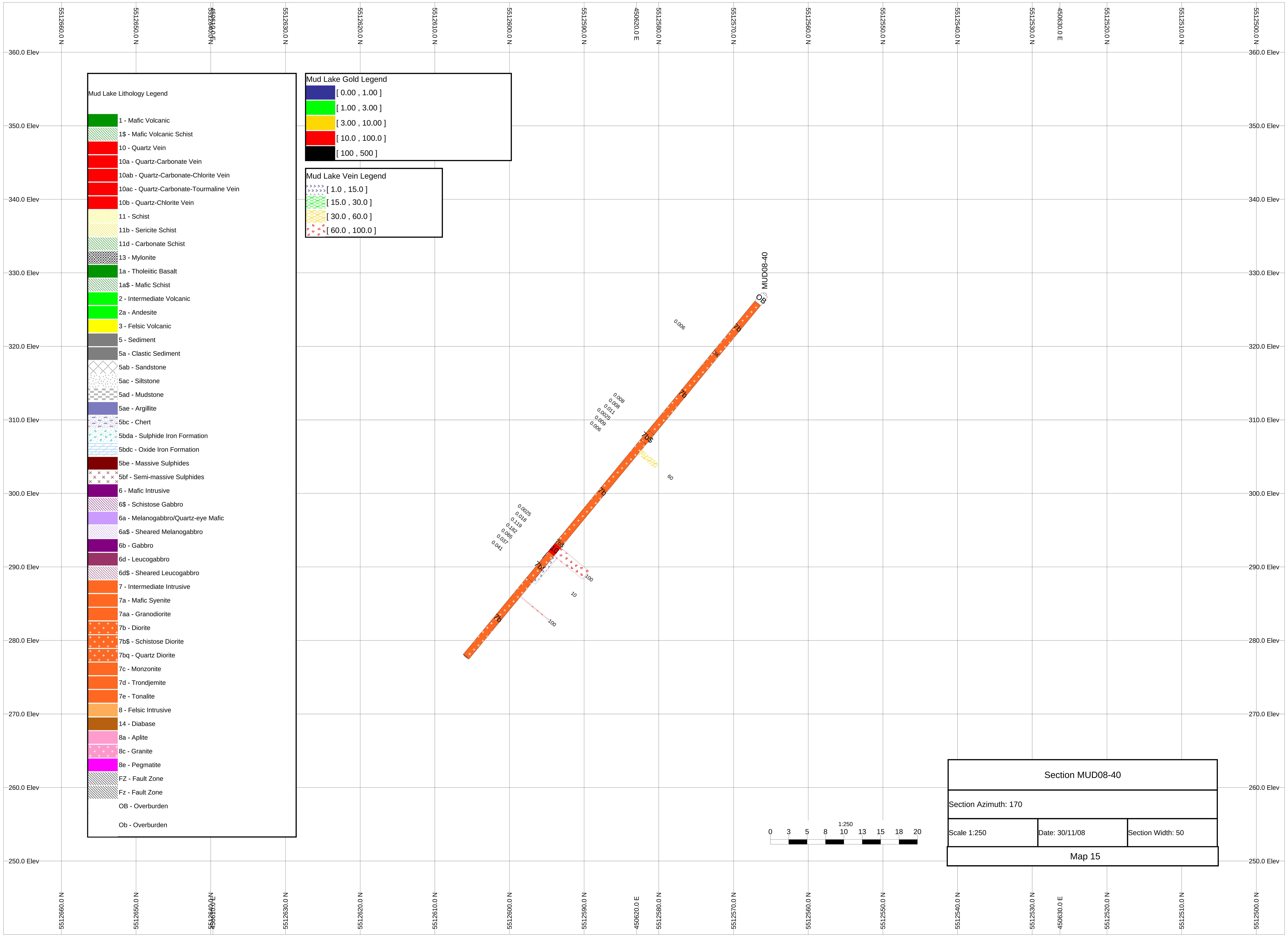

Mud Lake Lithology Legend
1 - Mafic Volcanic
1$ - Mafic Volcanic Schist
10 - Quartz Vein
10a - Quartz-Carbonate Vein
10ab - Quartz-Carbonate-Chlorite Vein
10ac - Quartz-Carbonate-Tourmaline
10b - Quartz-Chlorite Vein
11 - Schist
11b - Sericite Schist
11d - Carbonate Schist
13 - Mylonite
1a - Tholeiitic 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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-35
OB
FZ
7b$
7b
5
1
0.0025
0.006
0.0025
0.0025
0.008
0.0025
0.0025
0.0025
0.0025
1:250
0 3 5 8 10 13 15 18
Section MUD08-35
Section Azimuth: 150
Scale 1:250
Date: 30/11/08
Section Width: 25
Map 11
370.0 Elev
360.0 Elev
350.0 Elev
340.0 Elev
330.0 Elev
320.0 Elev
310.0 Elev
300.0 Elev
290.0 Elev
5511980.0 N
449500.0 E
5511970.0 N
5511960.0 N
449510.0 E
5511950.0 N
5511940.0 N
449520.0 E
5511930.0 N
449530.0 E
5511920.0 N
5511910.0 N
449540.0 E
5511900.0 N

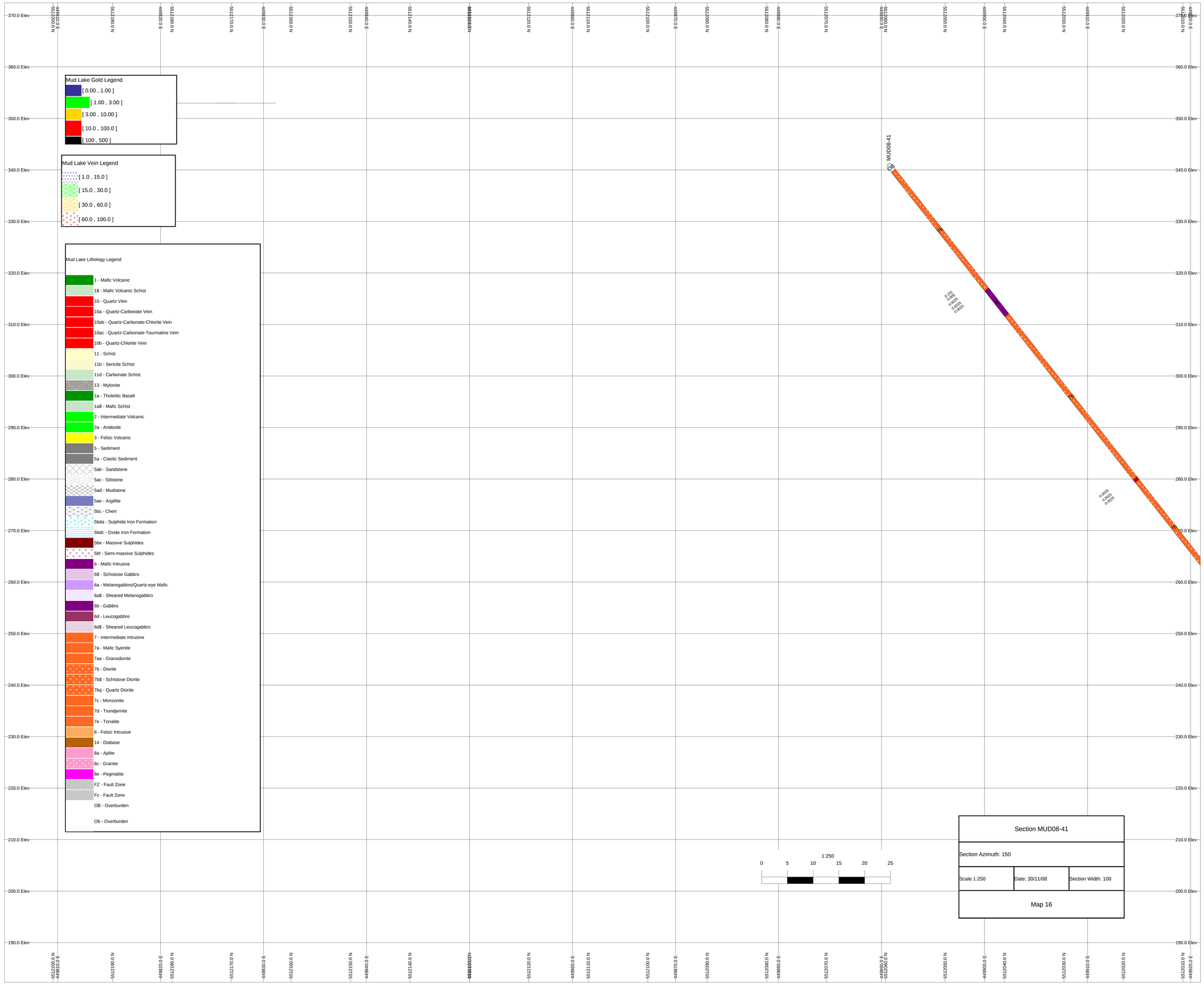

Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-36
Ob
Mud Lake Lithology Legend
1 - Mafic Volcanic
1$ - Mafic Volcanic Schist
10 - Quartz Vein
10a - Quartz-Carbonate Vein
10ab - Quartz-Carbonate-Chlorite Vein
10ac - Quartz-Carbonate-Tourmaline Vein
10b - Quartz-Chlorite Vein
11 - Schist
11b - Sericite Schist
11d - Carbonate Schist
13 - Mylonite
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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
1:250
0 5 10 15 20 25
Section MUD08-36
Section Azimuth: 150
Scale 1:250
Date: 30/11/08
Section Width: 100
Map 12

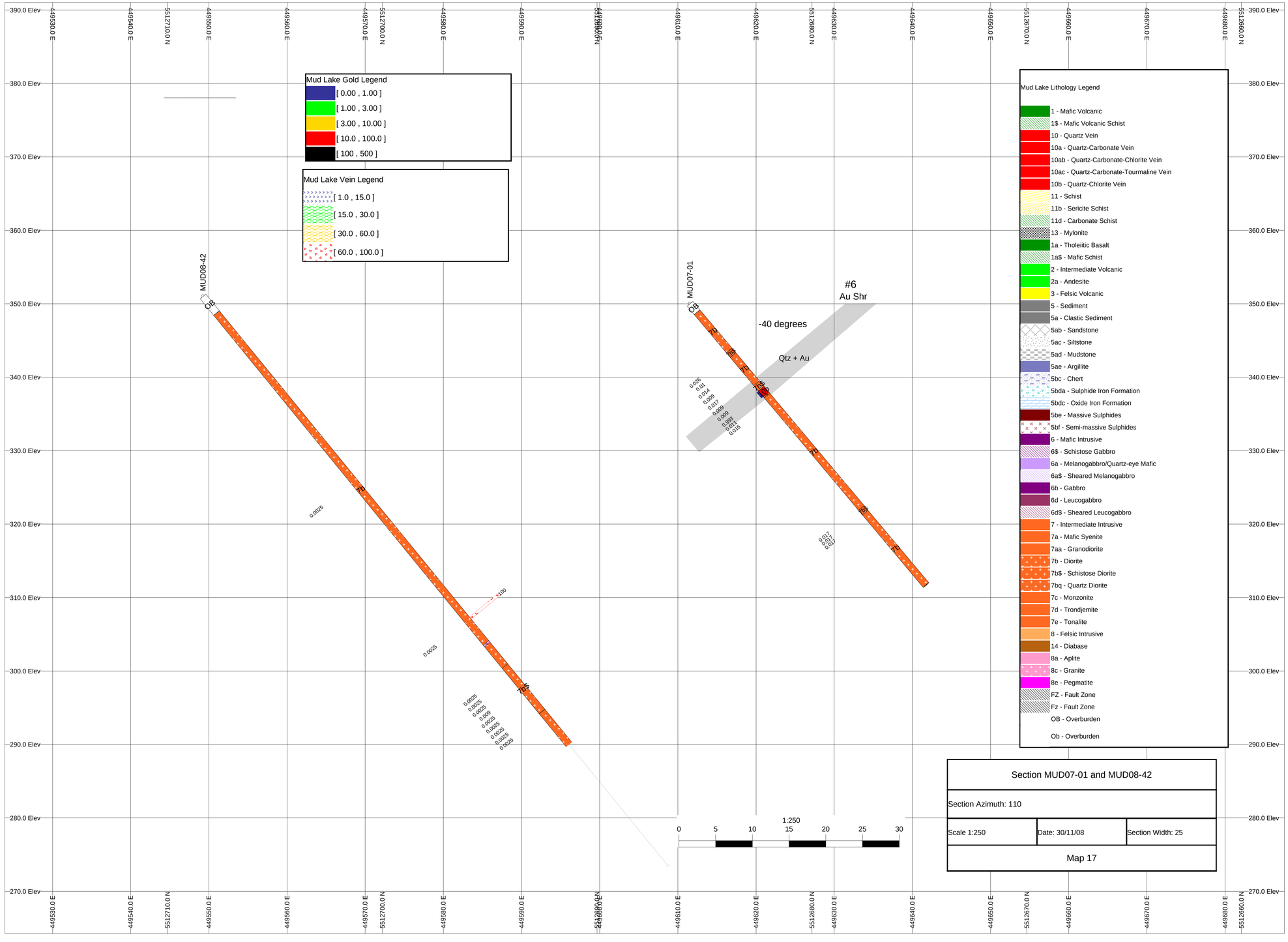

Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-37
MUD08-38
Mud Lake Lithology Legend
1 - Mafic Volcanic
1$ - Mafic Volcanic Schist
10 - Quartz Vein
10a - Quartz-Carbonate Vein
10ab - Quartz-Carbonate-Chlorite Vein
10ac - Quartz-Carbonate-Tourmaline Vein
10b - Quartz-Chlorite Vein
11 - Schist
11b - Sericite Schist
11d - Carbonate Schist
13 - Mylonite
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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
1:250
0 5 10 15 20 25
Section MUD08-37 and MUD08-38
Section Azimuth: 150
Scale 1:250
Date: 30/11/08
Section Width: 100
Map 13



Mud Lake 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
11d - Carbonate Schist
13 - Mylonite
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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-39
OB
7b
7b$
7b
360.0 Elev
350.0 Elev
340.0 Elev
330.0 Elev
320.0 Elev
310.0 Elev
300.0 Elev
290.0 Elev
280.0 Elev
270.0 Elev
260.0 Elev
250.0 Elev
5512660.0 N
5512650.0 N
450610.0 E
5512640.0 N
5512630.0 N
5512620.0 N
5512610.0 N
5512600.0 N
5512590.0 N
450620.0 E
5512580.0 N
5512570.0 N
5512560.0 N
5512550.0 N
5512540.0 N
5512530.0 N
450630.0 E
5512520.0 N
5512510.0 N
5512500.0 N
1:250
0 3 5 8 10 13 15 18 20
Section MUD08-39
Section Azimuth: 170
Scale 1:250
Date: 30/11/08
Section Width: 50
Map 14


Mud Lake 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
11d - Carbonate Schist
13 - Mylonite
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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
360.0 Elev
350.0 Elev
340.0 Elev
330.0 Elev
320.0 Elev
310.0 Elev
300.0 Elev
290.0 Elev
280.0 Elev
270.0 Elev
260.0 Elev
250.0 Elev
5512660.0 N
5512650.0 N
5512640.0 N
450610.0 E
5512630.0 N
5512620.0 N
5512610.0 N
5512600.0 N
5512590.0 N
450620.0 E
5512580.0 N
5512570.0 N
5512560.0 N
5512550.0 N
5512540.0 N
5512530.0 N
450630.0 E
5512520.0 N
5512510.0 N
5512500.0 N
MUD08-40
OB
7b
7b$
60
10
100
0.006
0.008
0.008
0.011
0.0025
0.009
0.006
0.0025
0.018
0.119
0.182
0.066
0.037
0.041
1:250
0 3 5 8 10 13 15 18 20
Section MUD08-40
Section Azimuth: 170
Scale 1:250
Date: 30/11/08
Section Width: 50
Map 15


Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
Mud Lake Lithology Legend
1 - Mafic Volcanic
1S - 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
11d - Carbonate Schist
13 - Mylonite
1a - Tholeiitic Basalt
1aS - 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
6S - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6aS - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6dS - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7bS - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
MUD08-41
1:250
0 5 10 15 20 25
Section MUD08-41
Section Azimuth: 150
Scale 1:250
Date: 30/11/08
Section Width: 100
Map 16


Mud Lake Gold Legend
[0.00 , 1.00]
[1.00 , 3.00]
[3.00 , 10.00]
[10.0 , 100.0]
[100 , 500]
Mud Lake Vein Legend
[1.0 , 15.0]
[15.0 , 30.0]
[30.0 , 60.0]
[60.0 , 100.0]
MUD08-42
MUD07-01
#6
Au Shr
-40 degrees
Qtz + Au
Mud Lake 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
11d - Carbonate Schist
13 - Mylonite
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
6$ - Schistose Gabbro
6a - Melanogabbro/Quartz-eye Mafic
6a$ - Sheared Melanogabbro
6b - Gabbro
6d - Leucogabbro
6d$ - Sheared Leucogabbro
7 - Intermediate Intrusive
7a - Mafic Syenite
7aa - Granodiorite
7b - Diorite
7b$ - Schistose Diorite
7bq - Quartz Diorite
7c - Monzonite
7d - Trondjemite
7e - Tonalite
8 - Felsic Intrusive
14 - Diabase
8a - Aplite
8c - Granite
8e - Pegmatite
FZ - Fault Zone
Fz - Fault Zone
OB - Overburden
Ob - Overburden
1:250
0 5 10 15 20 25 30
Section MUD07-01 and MUD08-42
Section Azimuth: 110
Scale 1:250
Date: 30/11/08
Section Width: 25
Map 17