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VANCOUVER, B.C.

**ASSESSMENT REPORT**

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

on the

**EH #1 - #17 Mineral Claims**

**Liard Mining Division**

**British Columbia**

**N T S 104 I/6E and 104 I/11E**

**Latitude 58° 30' N; Longitude 129° 10' W**

**Map 1041045**

for

**E.S. Peters and J.R. Poloni  
(Owners)**

by

**John R. Poloni B.Sc. P.Eng**

**December 20, 2005**

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JOHN R. POLONI P. Eng.  
Consulting Geologist

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### **3.0 Summary**

The EH (1-17) mineral claims consisting of 353 cells and 4 mineral units (8,925 hectares) are located in the Liard Mining Division, approximately 48 kilometers east of Deese Lake at Latitude 58° 30' N. and Longitude 129° 10' W. The property is owned by J.R. Poloni and E.S. Peters by purchase from C.R. Poloni and J.J. Poloni.

The claims cover the Eaglehead Copper-Molybdenum-Gold property previously explored by Kennco Explorations Ltd., Nuspar Resources Ltd., Esso Minerals Canada Ltd., and Homestake Canada Ltd.

The claims are underlain by the Jurassic granodiorite Eaglehead batholith, which lies in fault contact with the Upper Triassic Kutcho Formation volcanic and sedimentary rocks.

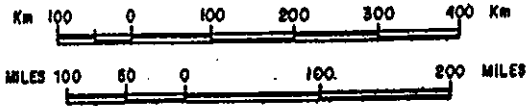
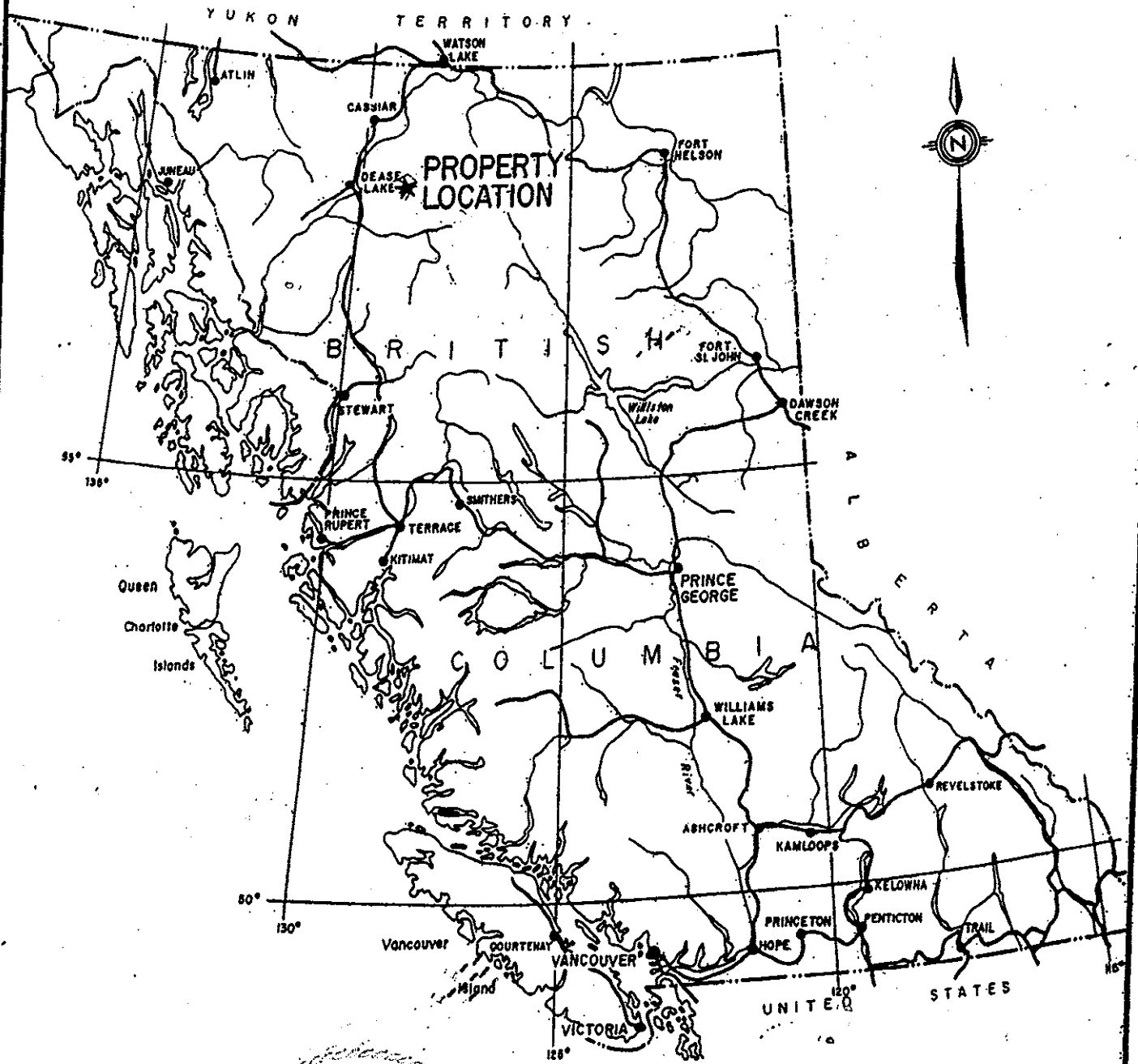
The 2005 work program consisted of establishment of a new grid and Induced Polarization over the grid..

Outcrop exposure of the mineralized zones presently known is restricted, in most cases, to the active main drainage, thus limiting detailed rock sampling.

Significant, although sub economic, tonnages of copper/molybdenum/gold/silver mineralization are indicated which could be classified as a mineral resource.

### **4.0 Introduction and Terms of Reference**

The author was involved in organizing a field program consisting of a cut line survey grid for the undertaking of Induced Polarization over sections of the Bornite, East and Far East zones. Camp setup was initiated on August 22 with move out on October 25, 2005. The field crew consisted of J.J. Poloni, C.R. Poloni and the author. Contract services were provided by Aurora Geoscience Ltd. for the line grid and S.J. Geophysics for the Induced Polarization.



<b>PROPERTY LOCATION MAP</b>		
<b>EH (1-17)</b>		
<b>Mineral Claims</b>		
<b>Liard M.D., B.C.</b>		
<b>JOHN R. POLONI &amp; ASSOCIATES LTD.</b>		
Drawn: J.R.P.	Checked: J.R.P.	PLAN No.
Scale: As shown	<b>Dec. 20, 2005</b>	<b>1</b>

#### **4.1.0 Claim Data, Accessibility, Climate, Local Resources, Infrastructure and Physiography**

##### **4.1.1 Claim Data**

The EH(1-17) mineral claims consisting of 353 cells and 4 mineral units are located in the Liard Mining Division, approximately 48 kilometers east of Deese Lake at Latitude 58° 30' N and Longitude 129° 10' W. The property is owned by J.R. Poloni and E.S. Peters by purchase agreement.

##### Table #1 Claim Data

Claim data is as follows:

<u>Claim Name</u>	<u>Tenure Number</u>	<u>Cells</u>	<u>Expiry Date</u>
EH#1	514659	36	Feb. 11, 2008
EH#2	514656	30	Feb. 11, 2008
EH#3	514648	36	July 24, 2008
EH#4	514660	14	July 25, 2008
EH#5	514662	7	July 26, 2008
EH#6	514647	27	April 17, 2008
EH#7	514663	20	April 17, 2008
EH#8	514642	26	April 16, 2008
EH#9	409960	4 Units	April 17, 2008
EH#10	514653	25	April 17, 2008
EH#11	514664	15	June 17, 2006
EH#12	514665	25	June 17, 2006
EH#13	514661	8	April 17, 2006
EH#14	514667	25	June 17, 2006
EH#15	518362	25	July 27, 2006
EH#16	518365	25	July 27, 2006
EH#17	518366	9	July 27, 2006

The claims cover previously discovered mineral occurrences which were extensively explored during the period 1963-1991. These are known as the West Zone, Camp Zone, Pass Zone, Bornite Zone, East Zone and the Far East Zone.

Authorization was received from Mr. Doug Flynn P Eng. Inspector of Mines, on July 21, 2005, to proceed with the surveys under work approval number (SMI-2005-0101121.0721)

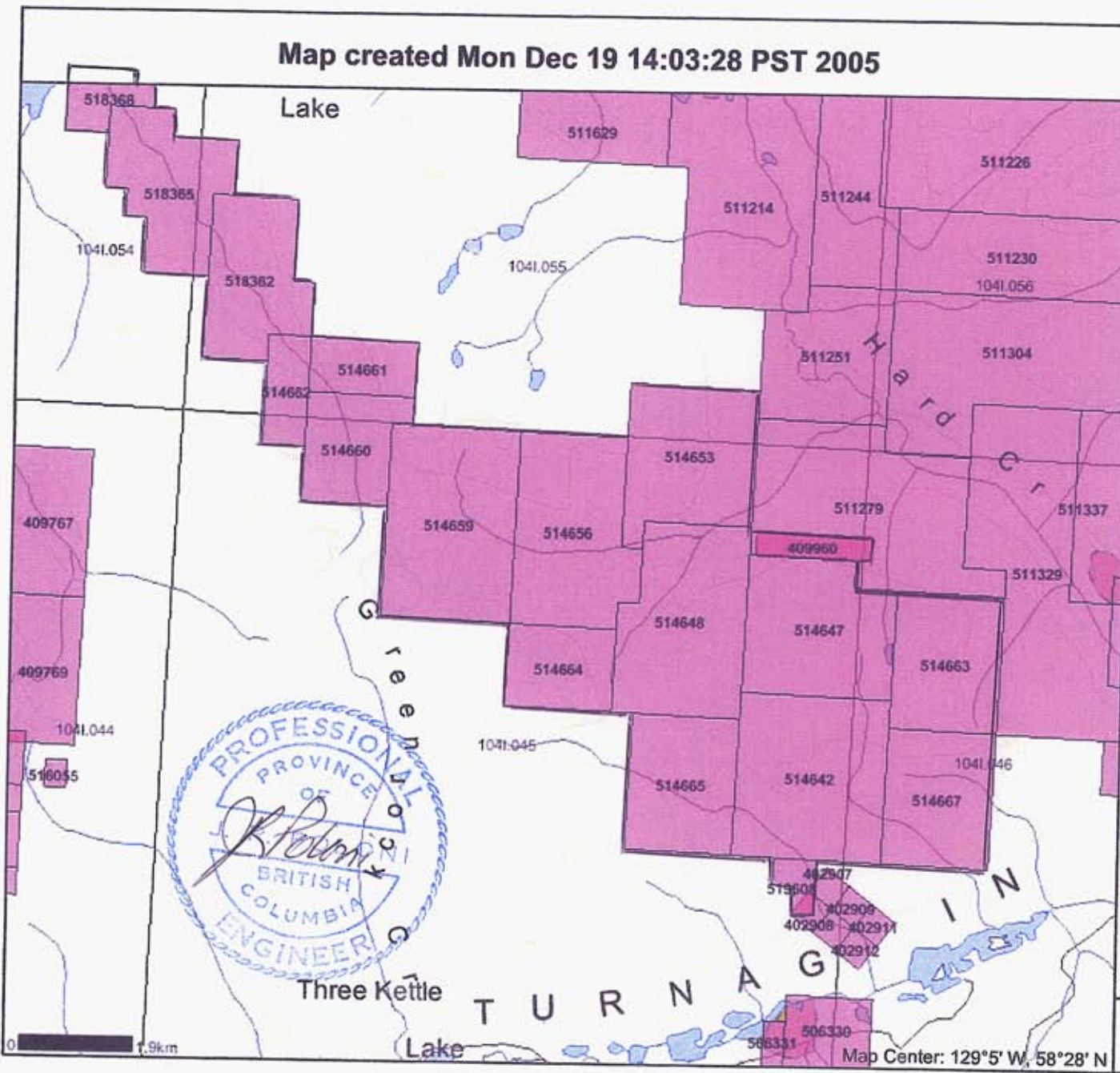
#### 4.1.2 Accessibility

The claims are accessible by fixed wing float plane to the southeast side of Eaglehead Lake, then by helicopter or foot trail for 9 km to the southeast. Direct helicopter flights from Deese Lake to the claims take approximately 30 minutes. The route used for access during the current program consists of a Delta vehicle access from Deese Lake easterly via Zubak Creek, Cariboo Creek, Tumble Creek, beyond Three Kettle Lake to Boulder City Lake from where the camp was flown by helicopter to the claims, a distance of approximately 10 km. One ATV was flown to the site for use in local travel and this proved to be an efficient mode of access on the property.

Map created Mon Dec 19 14:03:28 PST 2005

**Legend**

- Indian Reserves
- National Parks
- Parks
- Mineral Tenures Reserves (Sites)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- Mining Divisions
- BCGS Grid
- Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Annotation (1:250K)
- Transportation - Points (1:250K)
- Airfield
- Anchorage - Seaplane
- Ferry Route
- Helipad
- Seaplane Base
- Air Field
- Airport
- Air Feature - Condition Unknown
- Airport Abandoned
- Transportation - Lines (1:250K)
- Ferry Route
- Aerial Cableway
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 3 Lanes



**EH (1-17)  
Claim Map**

JOHN R. POLONI & ASSOCIATES LTD.

Drawn: J.R.P.	Checked: J.R.P.	PLAN No.
Scale: As shown	<b>Dec. 20, 2005</b>	2

**Scale: 1:100,000**  
**DO NOT USE FOR NAVIGATION**

Map Center: 129°5' W, 58°28' N



### **4.1.3 Climate**

Climate conditions are typical of this area of north central British Columbia with temperatures ranging from a low of -25 C in January to a high of +20 C in July. The average annual precipitation at Deese Lake is recorded at 421.0 mm. Snowfall on the property can accumulate to a depth of greater than 3m in valley bottoms. During the summer months unsettled weather is common when precipitation is maximum.

### **4.1.4 Local Resources and Infrastructure**

Local resources and infrastructure in close proximity to the claims are minimal. Placer mining equipment and a permanent summer camp are maintained at Boulder City Lake. This site could be the southerly end of road access to the property for future development.

### **4.1.5 Physiography**

The claims occupy a north westerly trending drift filled valley flanked by southeast – northwest trending ridges reaching elevations of greater than 1800 metres. The highest elevation is on the southwest corner of EH#1 at 1845m.

Ridges with elevations greater than 1800 metres are dissected by cirques to the north and are rounded and more gently sloping to the south.

Extensive drift, characterized by kames, kettle holes, and eskers cover the valley floor. Outcrop exposure within the valley floor is restricted to drainage patterns and is minimal. Vegetation consists principally as “bunch grass” and “buck brush” with a fringe of alpine spruce and balsam occurring on lower ridge slopes.

## **4.2.0 Property Definition, History, Owner/Operator, Economic Assessment**

### **4.2.1 Property Definition**

The EH#1-#17 claims “Eaglehead Property” lies within the Cry Lake map sheet near the junction of the Intermontane Belt and the Omineca Belt at the southern margin of the Quesnellia close to its fault-bounded contact with the Cache Creek terrain.

The property lies along the southeast flank of an early Jurassic batholith consisting of biotite-hornblende quartz monzonite, granodiorite and quartz diorite which is bounded by the Kutcho fault to the northeast and the Thibert and Eaglehead faults to the southwest.

#### **4.2.2 History**

Keneco Explorations Ltd. discovered mineralized granitic float near Eaglehead Lake in 1963 which initiated a program of exploration including the completion of four short drill holes. The property was allowed to lapse in 1970. Imperial Oil Ltd. optioned the property from Spartan Exploration Ltd. in 1971 completing additional surveys and the diamond drilling of 30 holes in the Camp, Pass and Bornite Zones. Nuspar Resources Limited (formerly Spartan Exploration Ltd.) resumed work and completed an additional 25 diamond drill holes between 1979-1981. Esso Minerals Canada Limited (formerly Imperial Oil) reassumed control of the property in 1982 re-evaluated previous results and explored the potential of the Bornite Zone and the Far East Zone.

No further work of significance was undertaken after 1982 but the property was taken over by Homestake Canada Inc. In 1990 a geochemical survey was undertaken by Homestake Canada Ltd. to evaluate the potential for shear hosted gold and silver mineralization. The main core of the claim units, the Eagle 8 (18 units) were only allowed to expire Oct. 22, 2001.

During July 2002, a program consisting of grid establishment, rock sampling, drill core examination and sampling, was completed and filed as assessment work, Report Number 17,054.

During the period July 23 – August 4, 2004, survey grid establishment and soil sampling was undertaken on the Far East Zone, and filed as assessment on January 10, 2005 as #3222472.

#### **4.2.3 Owners/Operators**

The EH#1 (20 units) and the EH#2 (20 units) were located by C.R. Poloni and J.J. Poloni on February 11/02 to cover the main showing areas, the Pass, Camp, and Bornite Zones. The EH#3 (20 units), EH#4 (9 units) and the EH#5 (6 units) were located between July 23-26, 2002 by J.J. Poloni when the exploration camp was established on the property. Additional claims were located during April 2004. A bill of sale was registered June 7, 2004 transferring the claims to J.R. Poloni (50%) and E.S. Peters (50%). During 2005 the claims were converted to cells as required by Governmental regulations except for EH#9 which remained as 4 units.

#### **4.2.4 Economic Assessment**

Six mineralized zones are recognized, the West Zone, Camp Zone, Pass Zone, Bornite Zone, East Zone and the Far East Zone with the principal amount of exploration being completed on the Camp, Pass, and Bornite Zones.

As described by Britten R.M. and Marr J.M. Special Volume 46 G.I.M.M., 1995, in evaluating tonnage estimates prepared by various operators, geological resource estimates for the Camp and Pass zone are 2.72 million tonnes grading 0.45% Cu and 11.5 million tonnes grading 0.52% Cu respectively and for the Bornite Zone, 16.0 million tonnes grading 0.65% Cu equivalent using molybdenum credits. These resources are considered sub economic at the present time.

Considered to be significant, a high grade intercept obtained in drill hole #55 of 16.2m at 2.93% Cu, 0.024% Mo, 14.9 Ag g/t and 0.670 Au g/t may indicate the potential for smaller high grade tonnages of vein style mineralization.

Soil geochemistry completed in 2004 had extended the previously obtained historical anomalous zones further towards the east a distance of approximately 1.4 kilometers.

Induced Polarization undertaken in 2005 has outlined conductive zones over the Bornite East and Far East Zones in better detail than previously indicated in historical exploration (pre 1980).

#### **4.3.0 Survey Grid Establishment and Induced Polarization**

##### **4.3.1 Survey Grid**

A cut line survey grid was completed by Aurora GeoScience Ltd. covering 25.4 kilometers over the Bornite and East Zones and a section of the Far East Zone. Line spacing was 100 meters and station spacing 50 meters.

##### **4.3.2 Induced Polarization**

During the period September 30 to October 11, 2005, S.J. Geophysics Ltd. completed a 3-D Induced Polarization survey over the established survey grid which was reported on by Brian Chen M.Sc. Geophysicist, November 29, 2005. Copies of this report are included as part of the assessment submission on the property for 2005.

#### **5.0 Conclusions and Recommendations**

The 2005 exploration was designed to define the Bornite, East and Far East Zones in detail to enable the undertaking of drill testing of these zones, which is scheduled to be commenced in 2006.

**Carmax Explorations Ltd  
Eaglehead Project  
Program Cost Breakdown  
2005**

**6.0 Statement of Costs**

**6.1 Logistics: Period July 26 – Nov.12, 2005**

**Disbursements**

**1. Pacific Western Helicopters:**

#31533		1,337.60	
#31544		308.48	
#31550		616.96	
#31560		730.91	
#31561		834.72	
#31572		1,356.61	
#31586		2,087.52	
#31589		3,235.10	
#31601		834.72	
#31605		730.91	
#31612		418.07	
#31619		3,549.36	
#31631		312.84	
#31633		1,983.71	
#32460		3,293.46	
#32464		1,852.17	
#32467		<u>823.04</u>	
		24,306.18	24,306.18

**2. NTA:**

#89105	Aug. 31	1,077.19	
#88909	Sept. 9	350.96	
#89134	Sept. 14	350.96	
#88970	Sept. 28	350.96	
#89189	Sept. 30	350.96	
#90773	Oct. 31	<u>1,052.88</u>	
		3,533.91	3,533.91

**3. Air Canada:**

#911461-3	Aug. 31	978.00	
#54097	Sept. 9	632.74	
#503996	Sept. 28	490.43	
#867426	Oct. 21	253.24	
#867427	Oct. 21	253.24	
#867428	Oct. 21	253.24	
	Oct. 3	<u>330.63</u>	
		3,191.52	3,191.52

4.	<b><u>Canada Car &amp; Truck Rental:</u></b>		
	#16734	3,142.58	
	#17139	3,554.29	
	# 3395	<u>293.95</u>	
		6,990.82	6,990.82
5.	<b><u>Ranex Exploration:</u></b>		
	#41 -05	1,120.48	1,120.48
6.	<b><u>Globalstar:</u></b>		
	# 535 Aug.	120.79	
	# 861 Sept.	120.79	
	# 410 Oct.	120.79	
	# 894 Nov.	<u>120.79</u>	
		483.16	483.16
7.	<b><u>BC Tel:</u></b>	38.83	38.83
8.	<b><u>John Winfield:</u></b>	2,760.00	2,760.00
9.	<b><u>Jedway Enterprises:</u></b>		
	#6202	5,788.70	
	#6283	<u>7,762.85</u>	
		13,551.55	13,551.55
10.	<b><u>Hotel/Motel:</u></b>		
	Hudson Bay Lodge		
	#814	354.54	
	#575	227.75	
	Northway Motor Inn		
	#68403	175.95	
	#69073	218.05	
	#69367	80.50	
	#69368	95.45	
	#68779	134.15	
	#68522	180.69	
	#68684	<u>80.50</u>	
		1,547.58	1,547.58
11.	<b><u>Minerals Titles:</u></b>		
	New Cells	419.16	419.16
12.	<b><u>Parking:</u></b>	156.00	156.00
13.	<b><u>Airport Fees:</u></b>	90.00	90.00
14.	<b><u>Taxi Smithers:</u></b>	58.00	58.00

15. <b>Groceries:</b>		
Safeway-Surrey/Smithers	1,439.76	
Supervalu-Dease Lake:		
Food	4,087.17	
Fuel	<u>584.63</u>	
	6,111.56	6,111.56
16. <b>Fuel:</b>		
Chevron,Husky,Esso,Shell,Petrocan, Artec,Bell-2	1,721.08	1,721.08
17. <b>Supplies:</b>		
Jeff Poloni #1503	9500.00	
#1510	739.00	
#1524	540.36	
ChrisPoloni #1524	903.67	
J.R.Poloni	<u>121.49</u>	
	11,804.52	11,804.52
18. <b>Digi Print:</b>	113.53	113.53
19. <b>Restaurant:</b>	917.36	917.36
20. <b>Professional Services(Contract):</b>		
Aurora Geoscience Ltd		53,399.40
S.J. Geophysics		<u>45,997.19</u>
		\$179,858.84
21. <b>Personnel:</b>		

**John Poloni P. Eng.** Period July 26 – Nov. 12, 2005  
 Management, Camp Establishment & Removal; Meeting with Forestry&Tahltan Council,  
 Claims Conversion, Property Visits, Report.  
 22 days + 45 hrs @\$500.00 plus GST (7%) 14,846.25

**C.R. Poloni, Technician** Period Aug. 24 – Oct. 24, 2005  
 Mob, Demob. Camp, Field  
 13 days @ \$400. 5,200.00

**J.J. Poloni, Technician** Period Aug. 24 – Oct. 24, 2005  
 Mob, Demob. Camp, Field  
 13 days @ \$400. 5,200.00  
 Total 25,246.25

**Total Cost \$205,105.09**

Respectfully Submitted.  
 J.R.Poloni P.Eng.



**7.0 References**

Assessment Reports #3476, 4256, 5353, 6086, 6192, 7661, 7826, 8754, 10816, 20856, 8754 and 7826

CIMM Special Volume 46 – Britten RM and Marr, J.M. Paper 33 – The Eaglehead porphyry copper prospect northern British Columbia

J.R. Poloni, Nov. 30, 2002 Assessment Report

J.R. Poloni, Nov. 30, 2004 Assessment Report

## 8.0 Certificate of Author

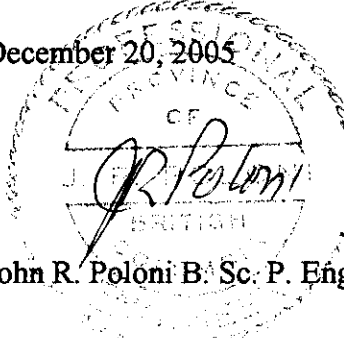
John R. Poloni  
John R. Poloni and Associates Ltd.  
2110 – 150A Street  
Surrey, B.C. V4A 9J6  
Ph/Fax: 604-541-8828

I, John R. Poloni, P.Eng. do hereby certify that

- 1.0 I am a consulting geologist with a degree of Bachelor of Science from McGill University in 1964.
- 2.0 I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia with membership number #7849.
- 3.0 I have personally visited the property on February 11, 2002, July 22-27, 2002, April 16-17, 2004 and July 25-August 2, 2004, August 27-31., Sept. 10-13., Oct. 21-23, 2005.
- 4.0 I have prepared the accompanying report "Assessment Report on the EH#1-#17 Mineral Claims Liard Mining Division British Columbia dated December 20, 2005.

Certified at Surrey, BC Canada

December 20, 2005



John R. Poloni B. Sc. P. Eng.

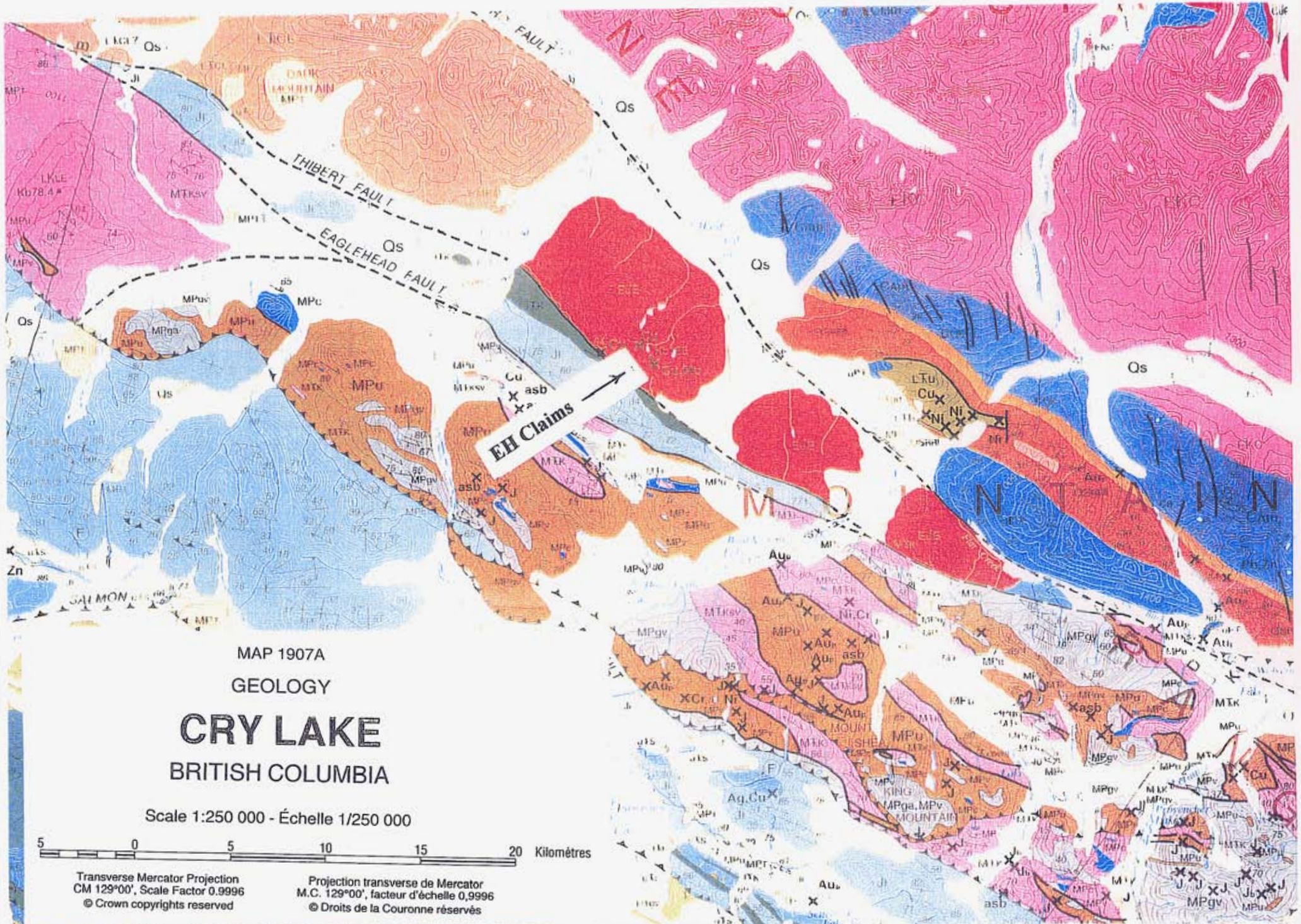
The seal is circular with a double border. The outer border contains the text "ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF BRITISH COLUMBIA" at the top and "BRITISH COLUMBIA" at the bottom. The inner border contains "PROFESSIONAL ENGINEER" at the top and "BRITISH COLUMBIA" at the bottom. In the center, there is a signature "John R. Poloni" and the letters "P. Eng." below it.



**9.0 Additions:**

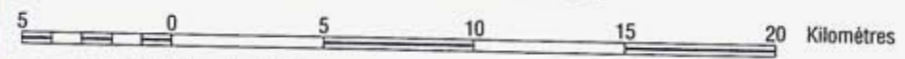
Aurora GeoSciences Ltd. – Grid Map Scale 1:20000

S.J. Geophysics Ltd. - Geophysical Report – 3D Induced Polarization on the Eaglehead Property for Carmax Explorations Ltd. by Brian Chen M.Sc. Nov. 29, 2005



MAP 1907A  
 GEOLOGY  
**CRY LAKE**  
 BRITISH COLUMBIA

Scale 1:250 000 - Échelle 1/250 000



Transverse Mercator Projection  
 CM 129°00', Scale Factor 0.9996  
 © Crown copyrights reserved

Projection transverse de Mercator  
 M.C. 129°00', facteur d'échelle 0,9996  
 © Droits de la Couronne réservés

MIDDLE JURASSIC (BAJOCIAN, in part)

**mJBL** BOWSER LAKE GROUP, undivided: conglomerate, siltstone, shale, andesite flows, tuff, breccia, agglomerate; marine and nonmarine; mJBLv, dominantly volcanic; mJBLs, dominantly sedimentary; may be, in part, younger than Middle Jurassic

STIKINIA

JURASSIC

EARLY TO MIDDLE JURASSIC

**MJTS** THREE SISTERS PLUTON: MJTsp, potassic marginal phase: biotite-hornblende quartz monzonite, granite, syenite; MJTsc, central phase: biotite-hornblende quartz monzonite, quartz monzonite; MJTsm, mafic phase: biotite-hornblende quartz diorite, diorite, gabbro; MJTsl, fine grained phase: clinopyroxene-biotite-hornblende quartz diorite, diorite, and quartz monzonite

**MJgd** Hornblende granodiorite, diorite

**EJMR** McBRIDE RIVER PLUTON: hornblende-biotite granodiorite

**Jgd** Granodiorite

LOWER JURASSIC

FAKWAHONI FORMATION (IJTcg-IJT)

**IJT** Undivided greywacke, shale, siltstone, conglomerate, tuff, sandy limestone, arkosic, calcareous sandstone, basal conglomerate

**IJTs** Conglomerate, shale, tuff; Toarcian

**IJTgw** Greywacke, shale, minor conglomerate; mainly Pliensbachian

**IJTv** Grey to green andesitic breccia and tuff; age uncertain, may be Bajocian

**IJTst** Dark grey and black shale, siltstone, tuff, minor greywacke; Sinemurian

**IJTcg** Coarse, polymictic conglomerate; Sinemurian; may be partly Toarcian

**IJv** Maroon and green epiclastic sandstone, pyroclastic volcanic rocks, agglomerate, flows; age uncertain

TRIASSIC AND (?) JURASSIC

**TJv** Grey and maroon plagioclase porphyry, andesite, volcanic conglomerate, tuffaceous mudstone, breccia, rhyolite; minor siltstone, shale; TJvr, rhyolite, breccia, welded tuff

TRIASSIC

UPPER TRIASSIC

**uTc** Massive limestone; minor calcareous shale; very minor greywacke and siltstone

**uTst** STUHINI GROUP, upper part: massive and pillowed porphyritic augite basalt and coarse-bladed feldspar porphyry, aphanitic basalt; local basal granitic-cobble conglomerate; uTstv, volcanic breccia with granitoid clasts

LATE TRIASSIC

**lTmc** BEGGERLAY CREEK PLUTON: biotite-hornblende diorite, gabbro, monzonite, pyroxenite

**lTuc** GNAT LAKES ULTRAMAFITE: hornblende clinopyroxenite, hornblende

**MPv** Mafic volcanics, greenstone, age unknown

**MPga** Coarse grained to pegmatitic gabbro, diorite; MPgv, fine grained, foliated gabbro, greenstone; may include small serpentinite bodies

**MPu** Peridotite, dunite, pyroxenite, generally serpentinized; locally includes pods of nephrite jade and small bodies of listwanite, rodingite, and talc

QUESNELLIA

JURASSIC

MIDDLE JURASSIC(?)

**MJgd** Pink-weathering biotite-hornblende quartz monzonite, granodiorite, granite; age uncertain

EARLY JURASSIC

**EJg** EAGLEHEAD PLUTON: biotite-hornblende quartz monzonite, granodiorite, quartz diorite

**EJgd** Biotite-hornblende quartz monzonite, granodiorite, quartz diorite; age uncertain

TRIASSIC

LATE TRIASSIC

**LTcl** COW LAKES PLUTON: hornblende granodiorite, hornblende diorite; commonly foliated; may be in part of Early Jurassic age

**LTgd** Foliated hornblende granodiorite, age uncertain

**LTkgd** Hornblende granodiorite, hornblende diorite; commonly foliated, includes irregular bodies of EKg and MJgd

**LTu** Peridotite, dunite, serpentinite (Alaskan-type ultramafic body); LTb, basalt sill

UPPER TRIASSIC

**uTm** SHONKTAW FORMATION: augite porphyry, feldspar porphyry, tuff, agglomerate, pyroxenite; minor shale, siltstone, and greywacke; may include some LTgd

UPPER PALEOZOIC(?) AND/OR TRIASSIC(?)

**UP** Mafic to felsic volcanics, tuff, chert, phyllite, argillite, quartz-sericite schist, crystalline limestone; terrane assignment uncertain

SLIDE MOUNTAIN TERRANE

DEVONIAN TO PERMIAN

UPPER DEVONIAN(?) TO UPPER PERMIAN

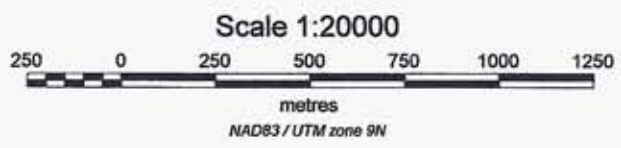
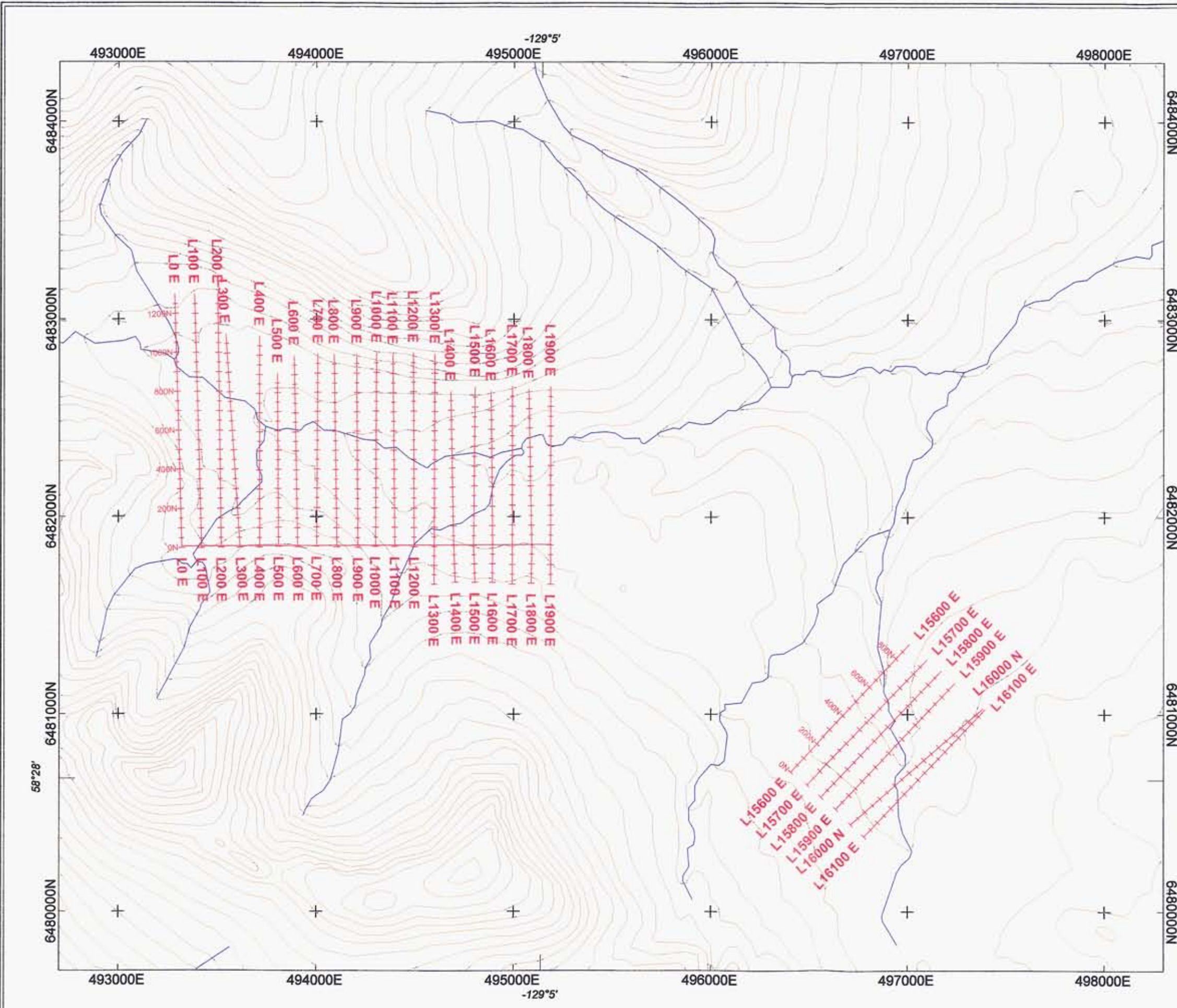
SYLVESTER COMPLEX (DMch - DPs)

**DPS** Undivided sedimentary and mafic volcanic rocks, may include minor diorite and gabbro

**DPSs** Dominantly chert, argillite, slate, chert and quartz arenite, feldspathic arenite

**DPSq** Chert, limestone, coarse quartz arenite

**DPSp** Black argillite, chert arenite



<b>CARMAX EXPLORATIONS LTD.</b>	
<b>EAGLEHEAD PROJECT 2005 IP GEOPHYSICAL SURVEY Figure - Grid Map</b>	
NTS: 104106 Datum: NAD83 Date: November 10 2005	Mining Division: Liard Projection: UTM Zone 9N Job: CMX-05-001-BC
<b>AURORA GEOSCIENCES LTD.</b>	