

**GOSSAN PROPERTY  
Tenure 516073  
2006 Program**

**Adams Lake Area BC  
Kamloops Mining District**

**82M.012**

**Dec 18, 2007**

**Soil Geochemistry, Prospecting & Mapping  
compilation of various data to Oct 2006**

**By**

**Cleve Lowry  
owner/operator  
305-316-2 Ave N.E.  
Calgary Ab.  
T2E 0E4**



iMapBC Mapping

Legend

- (1:7,500,000) Bathymetric
- 0 - 3
  - 4 - 3
  - 0 - 8
- (1:7,500,000) Provinces and States
- Canadian Provinces
  - US States
- (1:7,500,000) Water - Lakes
- (1:7,500,000) Major Roads
- (1:7,500,000) Water - Rivers
- (1:7,500,000) Major Cities
- 3
  - 4
  - 5
  - 6

0 110 220 km.

Scale: 1:7,991,696

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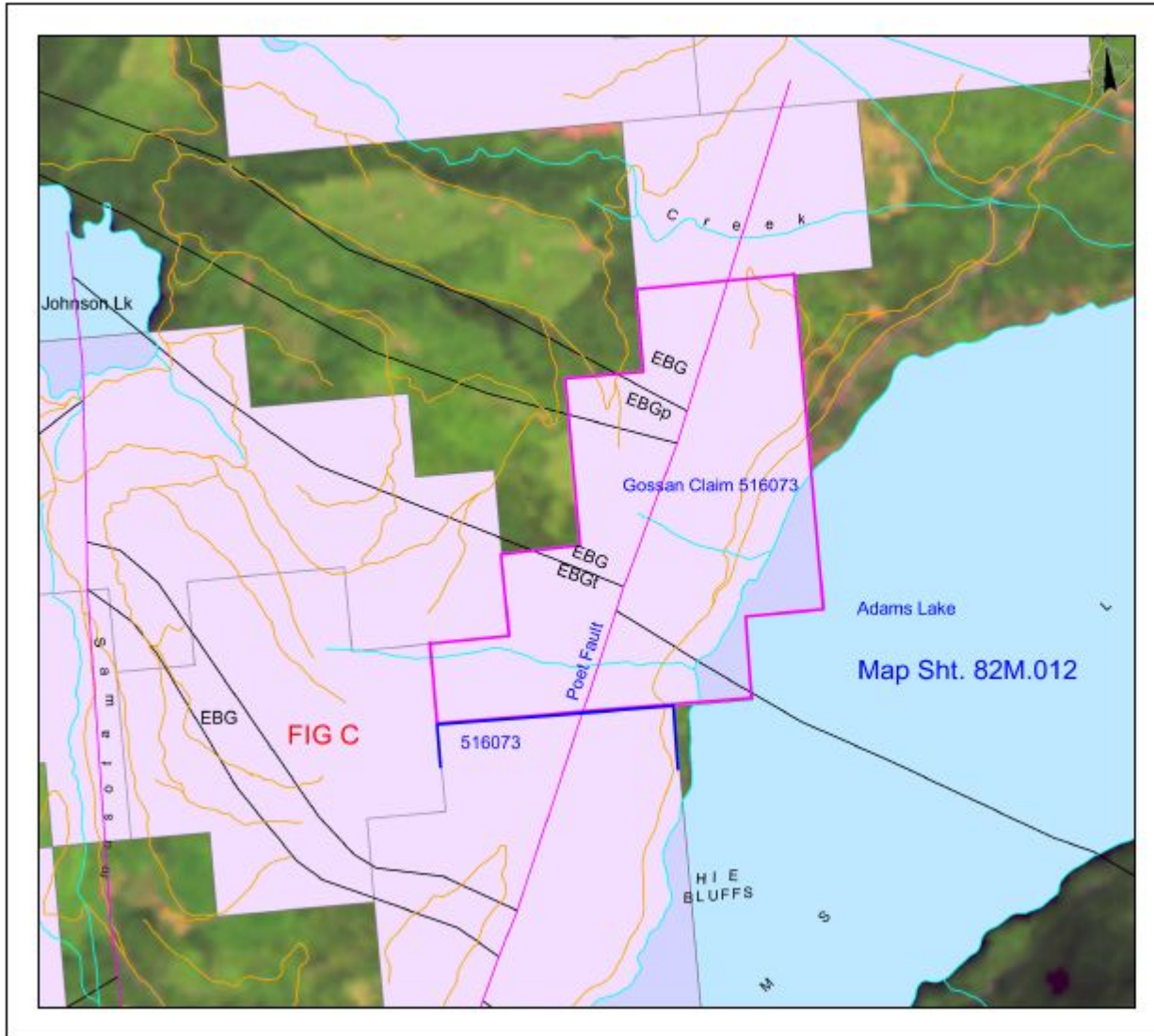
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Datum/Projection: NAD83, Albers Equal Area Conic

Key Map of British Columbia



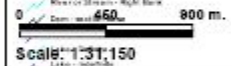


**IMapBC Mapping**

**Legend**

- [1:20,000] Water - River, Canal, etc. - Colour Themed
- Canal
- River or Stream - Delta
- [1:20,000] Water - Lake, Reservoir, etc. - Colour Themed
- Min. Telling Pond
- Reservoir - Delta
- Lake - Delta
- Geological Bedrock - Outlined
- Mineral Tenure - Colour Filled
- Mineral Tenure - Outlined
- Placer Tenure - Outlined
- [1:20,000] Water - Rivers, Creeks, Shorelines, etc.

- Canal
- Dam
- Dam - Reservoir
- Ditch
- Fence
- Stream
- Road
- River or Stream - Delta
- River or Stream - Dry
- River or Stream - Intermittent
- River or Stream - Left Bank
- River or Stream - Right Bank



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Date of Production: 1/2010, Adams Lake Area Data

**Key Map of British Columbia**



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### **PROPERTY ACCESS:**

The Gossan Property is accessed either via Kamloops BC. North on the Yellow Head highway adjacent the Thompson River then east on a paved road from Louis Creek. At the settlement of Squaam Bay on Adams lake, turn left and follow the Adams Lake mainline logging road north up the lake to Km 29.5. The Zinc showings are below the road along the lake. Above the road will be "White Bluffs" which is so noted on most maps.

The other choice of access, is off the Trans - Canada Highway, turn north on the Squilax Anglemont highway which is about halfway between Sorrento and Chase BC. About 2 km north, turn left on the Adams River/Lake road. If you cross the Adams river you have gone too far. Just before the Holding Lumber Saw Mill, turn left again onto a gravel logging road and follow this about 22 km to Squaam Bay. At Squaam, go straight through the intersection to Km 29.5. The rest is "as above".

### **TENURE:**

Since conversion on July 5, 2005 the Poet and Gossan Properties are Claim # 516073. Consisting of 31 cells. Prior to conversion, these properties were Poet 1-6 and Gossan 1-14. Ownership is 100% by Cleveland. S. Lowry. FMC # 116095.

### **SUMMARY:**

The Gossan Property is located in the Adams Plateau Area of British Columbia in the Kamloops Mining District. The operator firstly noted gossanous gravels along the Adams Lake mainline and then acquired a copy of the Canova Resources Ltd report on work conducted in 1988 ( AR # 17,725 ). In studying the report, the ground was staked. Canova had established a large grid over most of the claims they held under option. A program of soil sampling prospecting, and VLF-EM surveys was carried out by Hi-Tec Resource Management Ltd on much of the grid. Several soils anomalous in Au,Ag,Pb,Zn were discovered on the property. On the south-eastern portion of their grid one short EM conductor and six strong EM conductors were discovered. A recommended follow up program for the Canova Project was never carried out. Efforts to relocate the Canova grid failed at first so a guess was made by the operator as to where their grid lines might be based on their map. After a couple of days of establishing a new grid a marked flag was found indication Canova's L- 16E/6S at the Gossan L-3W/36N. A couple of other Canova grid stations were discovered supporting the location of that grid. All were 1-2 m west of Gossan lines. Based on this, the Canova geochem results, conductors etc have been tied into the map in this report. In the area of L-20E by Canova,( Gossan L-0+50E / 1+75N ) 3 consecutive stations 25M

separations with anomalous Pd/Zn values were dismissed as possibly invalid because of close proximity to the mainline 40-50m down slope easterly.

The operator has re-located this site by way of soil geochemistry and has discovered outcrops of altered limestone bearing galena, sphalerite and minor pyrite. This crop is most definitely the source of the anomalous soils on L-0+50E. Float and outcrop of the same limestone is seen along the mainline also bearing the minerals as above. There are anomalous values in Au and anomalous to sub-anomalous values of Pb/Zn on L-1+00E north and L-1+50E and north. The strike of lithologies in this area is approximately N25E. This zone is on the south limb from a fold hinge to the north.

This property is underlain by both limestone ( Tshinakin unit EBGt ) and phyllites (EBG ) both of the metamorphosed Eagle Bay Formation.

The upper Gossan road area ( Figure "E" ) was staked along the strike of the Poet Fault ( so named by the operator ) to explore for possible Au values associated with the fault. Several anomalous values in soils were obtained for several hundred meters along the fault. Rock samples assayed from this general area were disappointing. There are several north-south trending faults in this area that carry abundant pyrite. Assays of rock from a previous program resulted in low to no gold .

### **REGIONAL GEOLOGY:**

The regional geology of the Shuswap highlands area, within which the Gossan Claim is situated, is summarized from the work of Okulitch ( GSC Open File 637, GSC paper 74-1 ) and Jones ( GSC Memoir 296 )

The property lies within the Omenica Belt, and is underlain by rocks of the late Devonian -early Mississippian Eagle Bay Formation, within the Lardeau Assemblage.

The Eagle Bay Formation is a stratigraphically complex unit comprised of an assemblage divisible into three components.

At the base, a thin unit of chlorite schist of sedimentary origin is followed by a unit of mixed sedimentary and volcanic rocks, and limestone, in turn followed by more chlorite schist. The thickness of the Eagle Bay Formation, measured from the top of the underlying Sicamous Formation , is between 7000 and 7600 metres ( 23,000 and 25,000 feet ) (Jones, 1959).

At least 60 percent of the rocks comprising the Eagle Bay Formation are of Sedimentary origin or their metamorphic derivatives, these are limestone, quartzite, argillite, and greywacke. Metamorphism is regionally low grade, but may be medium to high grade locally. Both Volcanic and sedimentary units have been altered to green chlorite-sericite schists and phyllites and are not easily distinguishable from one another. The Eagle Bay Formation is a complexly folded and thrust faulted mass, affected by four phases of folding and fracturing. Early north-south and east-west trending fold sets are overprinted by a final phase of fracturing and north-westerly trending gentle folds. Interpretation of thrusting of the Eagle Bay Formation over the Sicamous formation is

supported by fossil evidence ( Okulitch, 1974 ). The rocks are foliated in a north to northwesterly direction, trend strati-graphically northwest to southeast, and dip to the northeast.

The Eagle Bay Formation is host to numerous mineral occurrences. Lead-zinc-silver and concordant deposits are associated with carbonate members. Calcareous and carbonate members are potentially hosts for strata-bound lead-zinc-silver deposits and local vein and shear zone mineralization of either syngenetic or epigenetic origin or both. The nearby Homestake mine, one of the largest deposits in the Eagle Bay Formation, is a concordant sedimentary deposit possibly associated with a volcanic center. In the 1980's Minnova Inc ( now Inmet ) located a stratabound massive sulphide and barite deposit within the Eagle Bay Formation green stone units. Mineralization consisted of high grade silver, along with galena, sphalerite, tetrahedrite, and chalcopyrite.

A description of the Rea Gold and Homestake deposits by T.Hoy ( 1986 ) is as follows: “ They are sulphide & barite lenses within or near the top of a felsic (?) pyroclastic unit within a thicker pile of more mafic tuffs and minor mafic flows. Both have extensive foot wall alteration zones characterized by silicification, sericitization, and pyrite development, and both are overlain by a mixed mafic pyroclastic and clastic sedimentary sequence. These deposits as well as a number of somewhat similar deposits in Eagle Bay Formation rocks such as Beca and Birk Creek are similar in many respects to the volcanogenic “polymetallic: or Kuroko class of deposits.”

### **PROPERTY HISTORY:**

The subject area was explored by Hi-tec Resource Management representing Canova Resources Ltd. In 1988. (AR, 17,725 ) This project was initiated to follow up on several previously discovered airborne electro-magnetic anomalies. The program consisted of establishing a grid on the ground, prospecting, soil sampling, a VLF– EM survey utilizing two transmitting stations: Annapolis, Maine, (21.4 khs) and Jim Creek, Washington ( 24.8 khs ). Also a Magnetometer Survey was conducted.

The VLF-EM data indicated the presence of a number of strong short strike length conductors.

It was recommended that further work should consist of trenching and detailed sampling as well as preliminary drilling in as many of the target areas as possible. This work was never carried out.

### **PROPERTY GEOLOGY:**

The Gossan Claim is underlain by metamorphosed, folded, and faulted sedimentary and volcanic rocks of late Devonian – early Mississippian Eagle Bay Rocks

The Gossan area is dominated by the Tshinakin limestone unit, ( early Cambrian ) and sedimentary and volcanic rocks which are late Devonian – early Mississippian Eagle Bay

formation, which trends northwest to southeast and underlies the central portion of the claims. To the southwest, stratigraphically above the Tshinakin limestone, the sequence is dominated by rocks of sedimentary origin, comprised of carbonaceous phyllites and slate, argillite and chlorite phyllite. To the northeast, stratigraphically below the Tshinakin limestone, the sequence is dominated by rocks of volcanic origin, comprised of chlorite schists and phyllites, rare amygdular basalts, lapilli tuffs and graphitic phyllites, with large interbeds of limestone.

All units exhibit lenses and intercalations of re-mobilized chert and calcite, often exhibiting abundant limonitic staining. Hematite and magnetite is common throughout the claim area, in association with these lenses.

### **LOCAL GEOLOGY: ( property geology )**

The geology observed thus far on the Gossan grid consists of limestone, ( Tshinakin unit Eagle Bay Formation), phyllites, volcanics also of the Eagle Bay Formation . Alteration of the limestones consists of abundant silicification, illite, hematite, pyrite. Alteration of the Phyllites and volcanics consists of chlorite, epidote, silicification ( veining ) pyrite, magnetite, graphite.

In close proximity to the Poet Fault the altered limestones have a laminated appearance ( 3-15mm thick ). Disseminated fine pyrite is oriented parallel to the laminations, while larger cubes of pyrite ( 3-6 mm ) are sometimes more random.

At approx: L-315W/125S, there is a ridge with massive ( 80%) Maraposite? This showing is in close proximity to the Poet Fault. In the area of L-3W/250S and again in close proximity to the same fault, there is minor crop of very altered limestone with pyrite. One rock sample assayed .17g.Au.

Centered at L-1+00E/2+00N are crops of altered limestone ( illite, silicification ) bearing galena and sphalerite.

The writer believes that the sharp ridges on the property are a result of quartz veining occupying release faults associated with the lateral and vertical movement along the Poet Fault.

The Geology of the North Gossan Zone, is largely unit EBG phyllites with a wedge of unit EBGp commencing at the Poet Fault and striking northwesterly.



### **STRUCTURAL:**

The Poet Fault, extends from Adams lake southwest of the claim area to the northeast to at least Brennen Creek. Based on the BCGS geology map, there has been both vertical and lateral movement along the Poet Fault. Several anomalous gold values in soils for several hundred meters along this fault have been obtained.

In the area of interest ( see Map ) the writer believes that the movement along the Poet Fault has caused several, first, second and possibly third order release faults and associated folding that provided a conduit for hydrothermal fluids and deposition of minerals. There are several steep ridges in the area of the grid , resulting in corresponding deep gullies between these ridges. Work to date shows that several of the VLF-EM conductors discovered by Canova are at or in close proximity to these ridges. It is thought that later faulting has off set some of the conductors, i.e, conductors C-2&3 at about L-1+40W / 1+25S. Along the mainline at L-1+24E / 3+75N there is a fold hinge striking east-west and at the B.L & L- 3+00W is a contact between units EBGt and EBG. In the north area of the claim, the several north – south faults could also be release faults caused by the movement along the Poet Fault?

### **MINERALIZATION:**

Galena and Sphalerite is exposed in altered limestone in the road cut along the Adams Lake mainline and further up slope westerly. This zone is in close proximity to a contact with a wedge of unit EBG to the north. ( note that there are many wedges of unit EBG in the massive Tshinakin Limestone Unit in the area.

Canova Resources Ltd in 1988 discovered three anomalous Au values along their line 15E/N ( Gossan L-4W/N ) for 400 meters along the Poet Fault and north of the grid. Wpts have been established long the BCGS geology/structural data using the OZI program and a BC trim map. ( See map E ).

This was done in an effort to relocate the 3 Canova sites. Based on the results obtained by the current operator, this goal has been achieved. This area is underlain by rock units EBG and EBGp.

### **GEOCHEMISTRY:**

Soil samples were collected from an average depth of 20 cm and at 25m separations on the grid. Some soils were collected off the grid in gully bottoms, the break of slopes etc. All samples collected were assayed for Au only.

Several soils and rock have been sampled on the property north of the grid resulting in some anomalous Au values. Rocks sampled did not carry appreciable Au values.

**Description of Rocks assayed:**

Sample G.06/118 Rk. Rock: 80 % maraposite in unit EBG phyllite, Rusty weathering.  
Wpt. 0312039/5668880

G.06/108B. Float Qz vein material with brown weathered inclusions. < 5 Au.  
Wpt. 0311990/5669673

G.06/108: Float, angular, qtz veining with 8% pyrite in unit EBG  
phyllites , < 5 Au. Wpt. 0311990/5669673.

**CONCLUSIONS & RECOMMENDATIONS:**

( Note that the Poet Fault and Gossan Creek are so named by the operator )

The Canova project resulted in the discovery of several anomalous and sub anomalous gold and silver values in soils and 7 EM conductors. The writer on expanding on their efforts has discovered many more anomalous geochemical values in soils in this easterly portion of the area of the Canova grid, in proximity to the EM conductors, and along the Poet fault to the north.

Outcrop is somewhat sparse in most areas of the property. Areas of interest are along the Poet fault and in close proximity to the strong conductors of which most are co-incident with sharp ridges, covered with overburden.

Several anomalous and sub-anomalous Au values were discovered on the grid and north along the Poet Fault.

A program of a more suitable method of EM should be carried in the area of the grid and in the north Gossan area then followed by trenching the area of co-incident EM conductors and anomalous soils. If warranted, drilling should be carried out to test the various targets.

In the writers opinion the gold potential on the property would be the primary target. The lead - zinc zone is interesting in that it could be an indicator of gold at depth. This zone does not suggest economic potential.

Cleve Lowry.  
fmc.116095



**GOSSAN CLAIM**

**516073**

**LIST OF APPENDICES**

**I -V**

## **APPENDIX**

### **1**

#### **Statement of Qualifications**

## **Statement Of Qualifications**

**Cleveland S Lowry**

**305-316-2 Ave N.E,  
Calgary Alberta  
T2E 0E4**

**I am a qualified prospector recognized by the British Columbia Ministry of Mines, Energy, and Petroleum Resources.**

**I have been engaged in prospecting for minerals since approx 1969, completed the prospectors course at Selkirk College, Castlegar B.C. 1977.**

**Since 1975, I have been the recipient of the Prospectors Assistance Program for the years 1975, 1986, 1987, 1988, 2000, 2001.**

**I also own the following equipment:**

**Crone VLF-EM, self potential, cobra rock drill, pack sack diamond drill, Garmin 3 and CX GPS units, laptop computer.**

**Have had one property optioned in the late 1970's by a junior company and later Chevron Minerals.**

**I have been self employed in the building construction business for over 40 years and was involved in the development of many instant towns in BC, such as Port Alice & Gold River on Vancouver Island, and Elkford, Sparwood, Houston, Stewart on the BC mainland, and phase one at Faro Yukon**

**Cleve Lowry  
116095**



## **APPENDIX 2**

### **ANALYTICAL RESULTS**

**2006**

**Note**

**All samples labeled “G”  
are relative to this report**



# Loring Laboratories Ltd.

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541



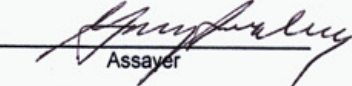
TO: CLEVE LOWRY

File No : 48340  
Date : February 3, 2006  
Samples : Soils/Rocks

## Certificate of Assay

Sample No.	Gold ppb
P.510W/BL	<5
S.05/07B	25
S.05/08B	<5
G.05/49	20
G.05/50	<5
G.05/61	<5
G.05/62	15
S.02/119	<5
S.02/120	<5
S.02/121	<5
Note: Insufficient sample left to analyze S.02/13, and 16	

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples:

  
Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



## Loring Laboratories Ltd.

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541




TO: CLEVE LOWRY

File No : 48369  
Date : February 23, 2006  
Samples : Soils

### Certificate of Assay

Sample No.	Gold ppb
G.03/24	15
P.F.132	<5
P.F.133F	<5

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples:

  
Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



# Loring Laboratories Ltd.

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541



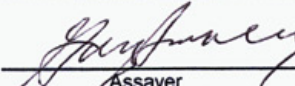
TO: CLEVE LOWRY

File No : 48676  
Date : June 21, 2006  
Samples : Soils/Rocks

## Certificate of Assay

Sample No.	Gold ppb	Silver ppm	Copper ppm
B:06/62	<5		
B:06/63	<5		
B:06/64	<5		
B:06/65	<5		
B:06/66	<5		
B:06/67	10		
B:06/68	<5		
B:06/69	<5		
B:06/70	<5		
B:06/71	10		
B:06/72	<5		
B:06/73	<5		
B:06/74	<5		
B:06/75	<5		
B:06/76	<5		
B:06/77	5		
B:06/78	<5		
B:06/79	<5		
B:06/80	<5		
B:06/81	<5		
B:06/82	<5		
B:06/83	<5		
B:06/84	<5		
B:06/85	<5		
B:06/86	10		
B:06/87	<5		
G.06/1	10		
G.06/2	<5		
G.06/3	15		
G.06/4	5		
G.06/5	<5		
G.06/6	<5		
G.06/7	10		
SA:06/01	10		
SA:06/02	<5		
SA:06/03	15		
SA:06/04	<5		
SA:06/05	<5		

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples:

  
Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



# Loring Laboratories Ltd.

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541  
loringlabs@telus.net



TO: CLEVE LOWRY  
1740 - 66th Avenue SE  
Calgary, Alberta  
T2C 1T3

FILE: 49169

DATE: November 27, 2006

## 30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
G.06/118Rk	<0.5	0.15	26	4	19	33	<1	3.31	1	79	149	8	5.62	0.03	29	5.92	738	2	0.01	451	0.01	31	8	91	<1	<0.01	<1	36	<1	93

0.500 Gram sample is digested with Aqua Regia at 95 C for one hour and bulked to 10 ml with distilled water.  
Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, and W.

Certified by:





# Loring Laboratories Ltd.

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541  
loringlabs@telus.net



TO: CLEVE LOWRY  
1740 - 66th Avenue SE  
Calgary, Alberta  
T2C 1T3

File No : 49169  
Date : November 20, 2006  
Samples : Rock/Soil

## Certificate of Assay

Sample No.	Gold ppb
G06/08	<5
G06/09	<5
G06/10	<5
G06/11	<5
G06/12	<5
G06/13	<5
G06/14	<5
G06/15	<5
G06/16	<5
G06/17	<5
G06/18	<5
G06/19	<5
G06/20	<5
G06/21	<5
G06/22	<5
G06/23	<5
G06/24	<5
G06/25	<5
G06/26	<5
G06/27	<5
G06/28	<5
G06/29	<5
G06/18-R	<5
G06/26-R	<5
<b>"Rock Samples"</b>	
T06/01 Rk	350
G06/10 Rk	40
B06/27 Rk	70
S/L-1-W50.S	65
B06/71 Rk	35
S1W/75(S) Rk	105
S/L-2W/100(S)	<5
G06/108 Rk	<5
G06/118 Rk	<5
G06/118 Rk (B)	<5
S06/131 Rk	<5
F06/934 Rk	<5
F06/986 Rk	<5

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



## Loring Laboratories Ltd.

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541  
loringlabs@telus.net



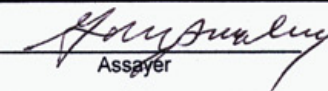
TO: CLEVE LOWRY  
1740 - 66th Avenue SE  
Calgary, Alberta  
T2C 1T3

File No : 49257  
Date : December 22, 2006  
Samples : Rock/Soil

### Certificate of Assay

Sample No.	Gold ppb
G.05/01	<5
G.05/04	35
S.02/122	<5
S.02/123	<5
G.03/16	<5
G.02/5W/50S	10
G.06/118 Rk.	<5
B09 R9+50.S0	80
GL - 3W/250S	10
S.02/122 - R	<5

I HEREBY CERTIFY that the above results are those assays  
made by me upon the herein described samples:

  
Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

## **APPENDIX 3**

### **GEOCHEMICAL**

**Chemist, Mr. Gary Swaybey**

**Loring Laboratories Ltd  
629 Beaverdam Road N.E.  
Calgary Alberta T2K 4W7  
Tel: 403-274-2777  
Fax:403-275-0541**

### **SPECIFICATIONS**

## **Loring Laboratories Ltd.**

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541

### **SAMPLE PREPARATION - SOILS**

- SAMPLES ARE DRIED OVERNIGHT OR LONGER IF REQUIRED IN DRIERS @ 80C.
- DRIED SAMPLES ARE THEN SCREENED THROUGH AN "80 MESH" SIEVE.
- ALL MINUS "80 MESH" MATERIAL IS MIXED AND PLACED INTO "ZIP-LOCK" BAGS READY FOR ANALYSIS AND SUBSEQUENT SAMPLE STORAGE.

### **SAMPLE PREPARATION - SILTS AND SEDIMENTS**

- SAMPLES ARE DRIED OVERNIGHT OR LONGER IF REQUIRED IN DRIERS @ 80C.
- DRIED SAMPLES ARE PULVERIZED TO -150 MESH.
- ALL PULVERIZED MATERIAL IS MIXED AND PLACED INTO "ZIP-LOCK" BAGS READY FOR ANALYSIS AND SUBSEQUENT SAMPLE STORAGE.

## **LORING LABORATORIES LTD.**

629 Beaverdam Road N.E.  
Calgary, Alberta  
T2K 4W7

### **SAMPLE PREPARATION**

#### **Rock/Drill Core 4-5 kg samples**

Entire sample is crushed to 2 mm using primary jaw and secondary cone crushing. Sample is then completely homogenized and a split of 250 to 350 grams is taken and pulverized using a TM ring and puck pulverizer to 95% -150 mesh. The pulp is then rolled 100 times to ensure complete homogenization, placed in sample bag and ready for analysis.



## **Loring Laboratories Ltd.**

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Tel: (403)274-2777 Fax: (403)275-0541

### **METALS ANALYSIS on A.A.**

- 1 WEIGH **0.5000 grams** OF SAMPLE, AND TRANSFER TO A 150ml. BEAKER.
- 2 WET SAMPLE WITH DISTILLED WATER, ADD **10ml HCl, 10ml HNO<sub>3</sub>, AND 5ml HClO<sub>4</sub>**.
- 3 BOIL ON HOT PLATE TO PERCHLORIC ACID FUMES.
- 4 REMOVE FROM HOT PLATE AND ALLOW TO COOL.
- 5 ADD **10ml HCL**, AND BRING TO A BOIL.
- 6 FILTER SOLUTION THROUGH A **#2 FILTER PAPER** INTO A **200ml VOLUMETRICFLASK**
- 7 LET SAMPLE COOL, BULK TO 200ml, AND SHAKE.
- 8 SUBMIT SAMPLE TO A.A. ROOM FOR ANALYSIS OF REQUIRED ELEMENTS.



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## GEOCHEMICAL ANALYSIS OF SOILS, SEDIMENTS AND SILTS

FOR: COPPER, LEAD, ZINC, NICKEL, SILVER AND COBALT

### SAMPLE DISSOLUTION

- 1/2 gram samples are weighed and transferred to test tubes
- One ml water added, then three mls hydrochloric (concentrated), one ml nitric acid (concentrated) are added.
- Test tubes are then placed into hot water bath 100°C and digested for three hours with occasional shaking to ensure complete digestion.
- Test tubes are removed from water bath and allowed to cool
- All samples are then allowed to settle until clear
- The clear solutions are then aspirated through the atomic absorption spectrophotometer with appropriate standards to obtain the metal content

### DETECTION LIMITS AND PRECISION

ELEMENT	DETECTION LIMIT	PRECISION AT 100 PPM LEVEL
Copper	1 ppm	+ 2 ppm
Lead	2 ppm	+ 4 ppm
Zinc	1 ppm	+ 2 ppm
Nickel	1 ppm	+ 2 ppm
Silver	0.2 ppm	+ 1 ppm
Cobalt	1 ppm	+ 4 ppm

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### **30 ELEMENT ICP ANALYSIS**

- 1.) 0.5 GRAM SAMPLE IS WEIGHED INTO A TEST TUBE.
- 2.) 2ml. Of 1:1 HNO<sub>3</sub> : WATER MIXTURE, AND 3ml. HCl ARE ADDED TO TEST TUBES.
- 3.) SAMPLES ARE HEATED AT 95C FOR 1 HOURS IN ALUMINUM DIGESTION BLOCKS.
- 4.) SAMPLES ARE COOLED AND 5ml. OF DISTILLED WATER IS ADDED TO ADJUST VOLUMES TO 10ml.
- 5.) SAMPLES ARE MIXED ON VORTEX MIXER AND ALLOWED TO SETTLE
- 6.) ICP IS TURNED ON AND ALLOWED TO WARM UP FOR 15 MINUTES BEFORE STANDARDIZATION AND ANALYSIS
- 7.) SAMPLES ARE TRANSFERED TO AUTO SAMPLER TUBES AND PLACED IN RACKS
- 8.) SAMPLES, CHECKS, AND STANDARD REFERENCE SAMPLES ARE ANALYZED BY ICP FOR 30 ELEMENT PACKAGE.
- 9.) FINAL ANALYSIS IS CHECKED TO ENSURE ALL QA/QC CONTROLS ARE MET, AND REPORT IS GENERATED FOR CLIENT.

**LOHING LABORATORIES LTD.  
629 BEAVER DAM RD. N.E.  
CALGARY, ALBERTA  
T2K 4W7**

**GEOCHEMICAL ANALYSIS FOR GOLD AND PGM'S**

- 1) A 30-gram sample is placed into a fire assay crucible with the appropriate amount of fluxes and flour and mixed.
- 2) A 1 ml aliquot of silver nitrate is added to each crucible and the blank.
- 3) Crucibles are fused in the assay furnace for 45 minutes.
- 4) Fused samples are poured into conical molds, cooled, and the lead buttons are collected.
- 5) Buttons are cupelled in furnace to remove the lead leaving a silver bead containing Au and PGM's.
- 6) Silver beads are placed in test tubes and dissolved in aqua-regia.
- 7) Solutions are brought to appropriate volume and mixed.
- 8) If samples are to be analyzed just for gold they are analyzed by A.A.
- 9) If samples are to be analyzed for Au and/or PGM's, they are analyzed by ICP.
- 10) Results are reported in ppb's.

**APPENDIX 4**

**Gossan Claim Exploration 2006**

**COST SHEETS**

**Assessment Work  
2006 Cost Statement  
Gossan Claim  
516073**

**Cleve Lowry  
116095**

**Event # 4172284**

**Dates in Field: May 26/06 10 hrs.....@ \$30 = \$ 300.00  
Oct 7 – 8 hrs, Oct 8 – 8 hrs.....@ \$30 = \$ 480.00**

**Camp:.....3 days @ 60 = \$ 180.00**

**Assay costs: 39 soils @ 13.78=\$537.42, 1 ICP @ 15.90=\$15.90; total = \$ 553.32  
3 rock @ 18.23..... = \$ 54.69**

**Report: compilation map of all data, geology, structural from initial  
staking of the Gossan Claims up to Work carried to Oct 8, 2006.  
41 hours @ 30..... \$ 1230.00**

**Vehicle: ..... 20% of \$ 2538.74 = \$ 548.66**

**Total Expenditures: ..... \$ 3357.61**

**Cleve Lowry.**

**Assay  
Unit Costs  
2007**

**Rock Preparation: \$ 5.95 per.**

**Soil Preparation: \$ 1.75 per.**

**Au Analysis FA/AA. \$11.25 per.**

**30 element ICP. \$ 15.00 per.**

**30 element ICP. \$10.00 per ( prior to Nov, 2006 )**

**Total costs per sample:**

**Soils/Silts.**

**Au: @ \$13.00 + 6% GST = \$13.78 ea. ( FA/AA )**

**Ag: @ 4.75 + 6 % GST = \$ 5.04 ea.**

**Ag & Cu: geochem. @ \$ 6.25**

**Rock:**

**Au: @ 13.00 + 6% GST = \$ 18.23 ( FA/AA )**

**30 element ICP: Soils / Silt. (As of Nov 2006.) 16.75. + GST = \$ 17.76**



## **Appendix V**

### **Gossan Claim**

#### **Sample Locations & Descriptions**

**GOSSAN CLAIMS**  
**Sample Descriptions & Locations**  
**2006**

**Wpts:** Regarding gridline locations and other sample sites **i.e wpt 183w**

**Soil:** **wpt: 183: 0313326/5669607:** L-4W/12N. Upper Gossan Rd. 225 Au

**Rock:** wpt 118Rk: 0312039/5668880: Out crop of massive maraposite?  
118: L-330.W/121.S. Float. Qtz vein material with ankerite? Not assayed.

**GOSSAN UPPER ROAD AREA: ( North of main grid )**

- G.06/01: **10 Au.** m/brn. Wpt. 359/ 0312261/5669653.
- G.06/02: **<5 Au.** m/brn. Wpt> 360/0312279/5669788.
- G.06/03: **15 Au.** m.brn. Wpt. 361/0312310/5669896.
- G.06/04: **<5 Au.** L.brn. Wpt. 362/0312316/5669995.
- G.06/05: **<5 Au.** m.brn. Wpt 363/0312306/5670008
- G.06/06: **<5au.** m.brn. Wpt. 364/0312366/5670073.
- G.06/07: **10au.** m.brn. Wpt. 365/0312459/5670193.
- G.06/08: **<5au.** m.brn. In gully L-4W/12N
- G.06/09: **<5au.** m.brn.L-4W/12N/6E.
- G.06/10: **<5au.** m.brn.L-4W/12N/5E. auger hole to 38 cm. at 2004 site with 225 Au.
- G.06/11: **<5au.** m.brn L-4W/12N/12W.
- G.06/12: **<5au.** m.brn L-4W/12N/15E
- G.06/13: **<5au.** m.brn. L-4W/12N/55E
- G.06/14: **<5au.** m.brn. 5M east of wpt 361/0312310/5669896.
- G.06/15: **<5au** red.brn. 12M east of wpt. 361
- G.05/16: **<5au.** m.brn. 24M west of wpt. 316.
- G.06/17: **<5au.** m.brn. Gravelly. Wpt.104/0311650/5669500. i .
- G.06/18: **<5au.** m.brn. Wpt. 116/0312184/5669907.
- G.06/19: **<5au.** L.B. L-4W/10N/20E
- G.06/20: **<5au.** M.B. L-4W/10N/30E

**GOSSAN MAIN GRID:**

- G.06/21: **<5au.** M. Brn. L-1+65W/25N
- G.06/22: **<5au.** M.B. L-1+50W/6-7 S.
- G.06/23: **<5au.** M.B. L-235W/10N.
- G.06/24: **<5au.** L.B. L-220W/133S.
- G.06/25: **<5au.** M.B. In gully at L-260W/143S.
- G.06/26: **<5au.** L.B. L-3W/92S.
- G.06/27: **<5au.** Red brn. L-330W/ 221.S. Angular rock fragments .
- G.06/28: **<5au.** L-3W/150.S. Grey clay.
- G.06/29: **<5au.** Rich M.B. L-324.W/140.S.

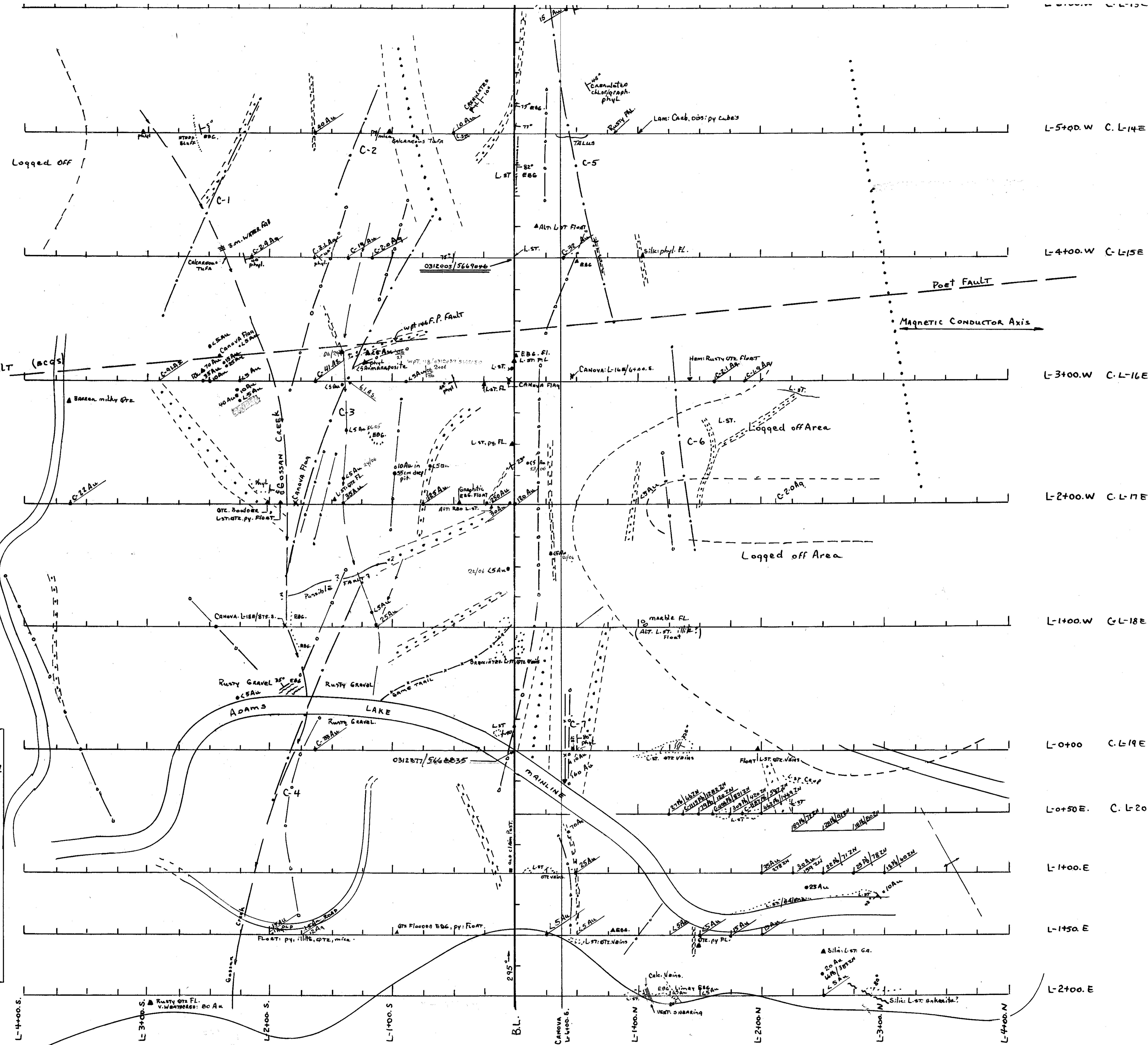


FIG: D

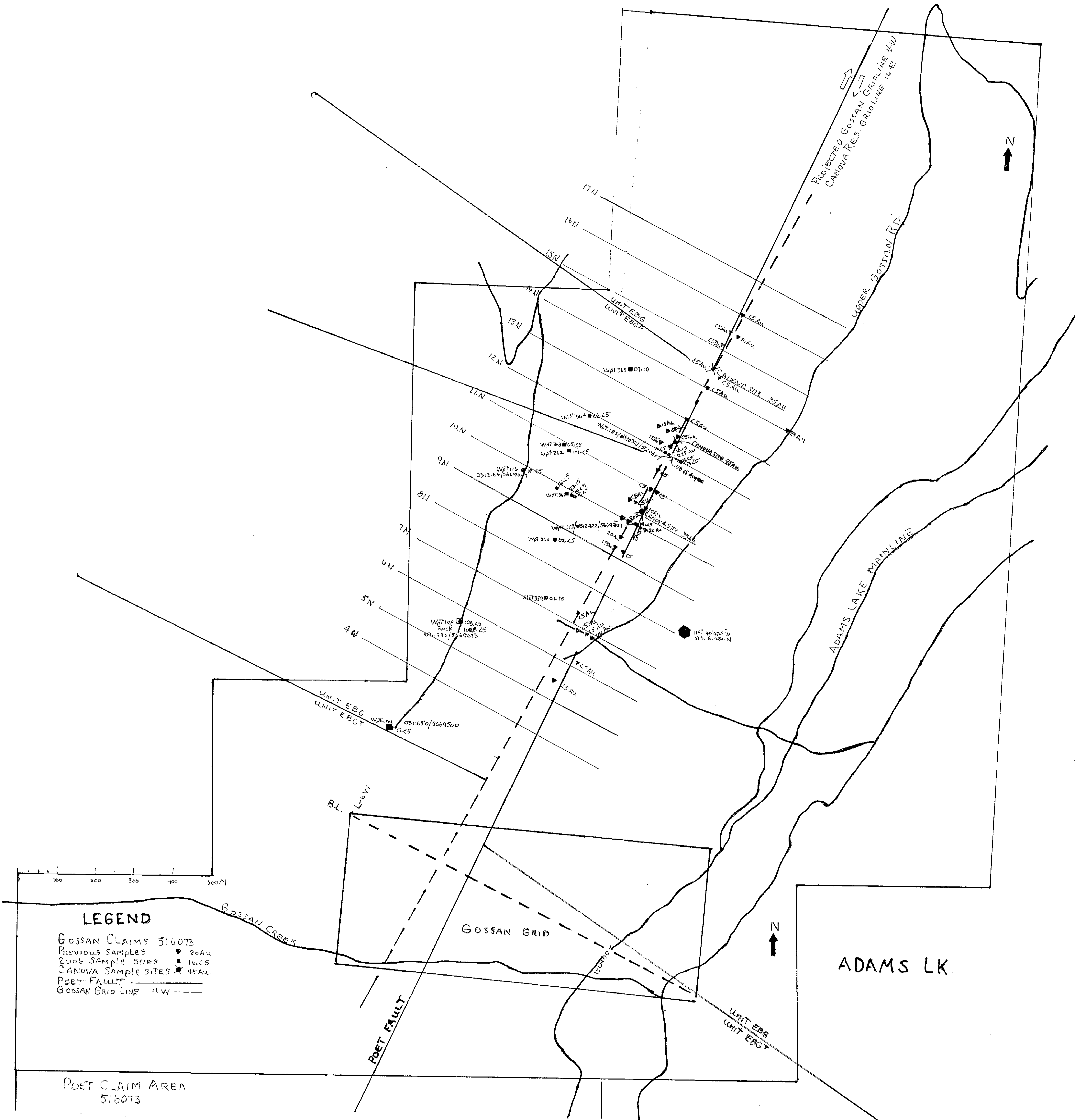
**GOSSAN CLAIM**  
 TENURE 516073  
 B2M.012 - ADAMS LK.B.C AUG24/07

**LEGEND**

- Gully
- STEEP RIDGE
- ROCK
- SOIL SAMPLE
- ROAD
- STRONG E.M. CONDUCTOR
- E.M. CONDUCTOR
- CREEK
- C-33Au. CANOVA RES. sample site

**SCALE**  
 0 25 50 100 METERS

ADAMS LAKE



**LEGEND**

- Gossan Claims 516073
- Previous Samples ▼ 20AU
- 2006 Sample Sites ■ 16CS
- Canova Sample Sites ★ 45AU
- Poet Fault ———
- Gossan Grid Line 4W - - -

Poet Claim Area  
516073

ADAMS LK.

Gossan Grid

Poet Fault

Projected Gossan Grid Line 4W  
Canova Res. Grid Line 16CS

Upper Gossan Rd.

Adams Lake Mainline

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