REPORT ON THE 1992 GEOLOGICAL AND GEOCHEMICAL WORK ON THE WYO PROJECT

Watson Lake Mining District, Yukon
August 27 - Sept. 8, 1992

YMIP #: 92-013

Location:
1. 140 km NW of Watson Lake, Yukon
2. NTS: 105 G/1
3. Latitude: 61° 12'N
   Longitude: 130° 15'W

For:
Mr. R. BERDAHL
P.O. Box 5664
Whitehorse, Yukon Territory
Y1A 5L5

By:
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December 31, 1992

SUMMARY

The Wyo Project consists of an area approximately 10 x 15 km located in the Finlayson map area, about 140 km northwest of Watson Lake, Yukon. The claims are accessible by floatplane and helicopter, based out of Finlayson Lake 37 Kilometers to the north.

The Wyo project, located in the Ominica Crystalline Belt, covers a package of allochthonous intrusive, volcanic and sedimentary rocks thrust over sedimentary rocks of the Cassier Platform. All of the above rocks are moderately to intensely strained. These rocks are intruded and overlain by dacite and rhyolite of probable Cretaceous - Tertiary age.

Interest in the ground developed in 1992 when Ron Berdahl reviewed the results of a regional stream sediment survey by the Geological Survey of Canada. He noted that the anomalous values from the Wyo project area were similar to those found in the vicinity of the nearby Fyre Lake volcanogenic massive sulfide deposit.

In 1992 the project area was prospected to evaluate the areas potential to host volcanogenic massive sulfide type lead - zinc deposits. A total of 31 samples (16 rock, 10 stream sediment, 5 soil samples) were collected. Results of the reconnaissance exploration include an occurrence of mineralized float that returned up to 9.33 % lead, 7.91 % zinc, and 0.6 % copper from a gossanous area of quartz carbonate breccia. Prospecting also located a previously unreported 10 m thick massive barite bed exposed over a strike length of 30 meters.

Numerous stream sediment samples collected by the GSC and Ron Berdahl returned anomalous values for lead, zinc, silver, copper, barite, cadmium and gold that remain unexplained.

Based on these results, a program of prospecting, geological mapping and geochemical sampling is recommended.

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INTRODUCTION

This report was prepared at the request of Mr. Ron Berdahl to summarize his 1992 exploration activities within the Wyo project area. Its purpose is to assess the project areas economic potential and to satisfy Mineral Incentive Program (Yukon Territorial Government) requirements through a description of exploration work carried out in 1992.

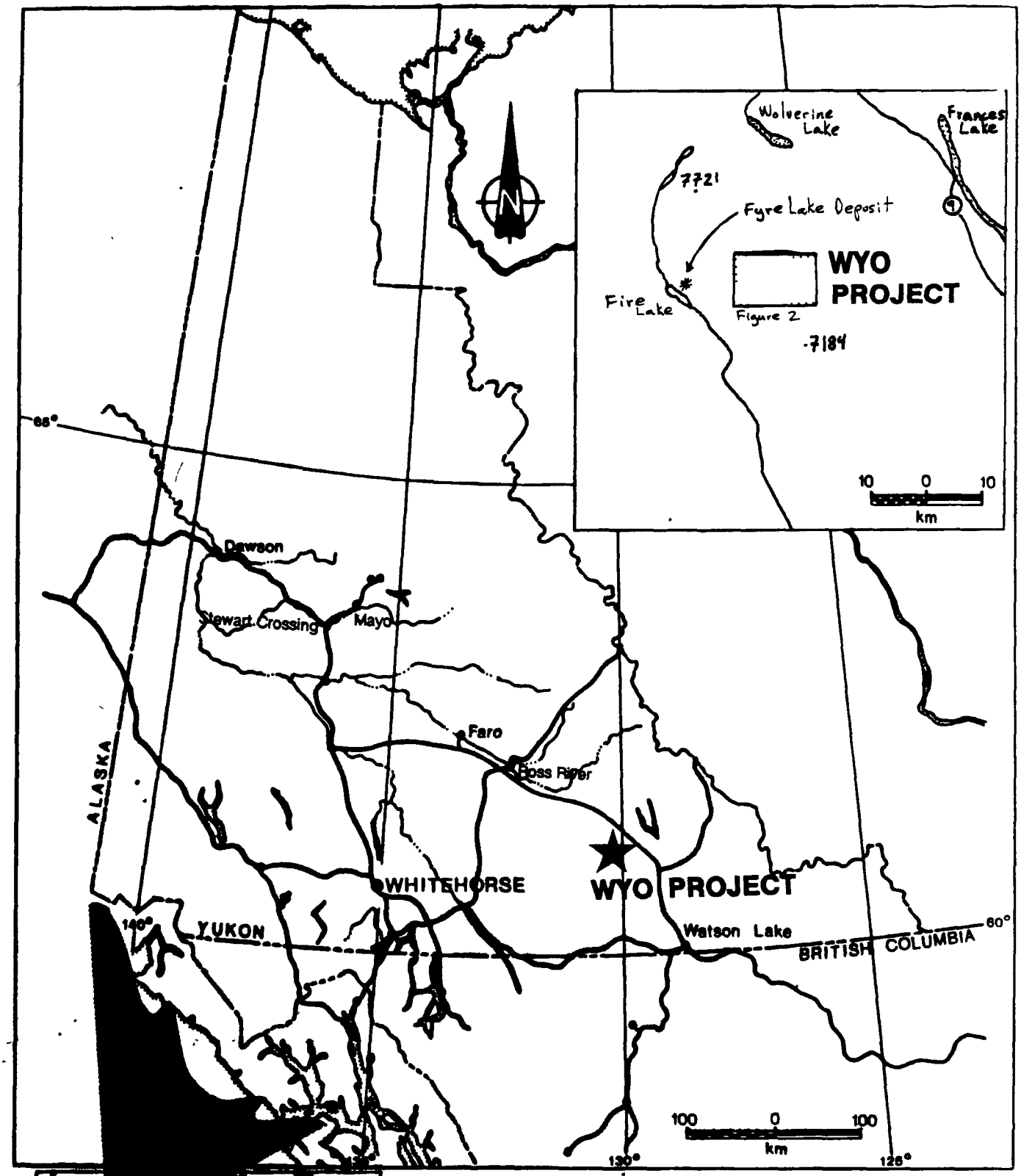
The project area, covering some 150 square kilometers (10 km x 15 Km), is located approximately 140 kilometers northwest of Watson Lake, Yukon (Figure 1) in the Watson Mining District, and is accessible by floatplane and helicopter.

Exploration work carried out in 1992 consisted of prospecting, geological mapping and geochemical sampling for the purpose of locating massive sulfide deposits. All work was carried by Mr. R. Berdahl, a Yukon prospector, between August 27 and September 8, 1992. This report is based on data provided by R. Berdahl, the authors knowledge of the area, referenced reports, and maps.

LOCATION AND ACCESS

The claims are located 140 km NW of Watson Lake, Yukon (Figure 1). The claims are centered at approximately 61° 12' N latitude and 130° 16' W longitude within NTS map area 105 G/1.

Access to the property in 1991 was by floatplane based out of Finlayson Lake, Yukon, 37 kilometers to the north on the Robert Campbell Highway (HWY #9). Alternatively, helicopters are available in Watson Lake or Ross River, Yukon.



R. BERDAHL	
WYO PROJECT	
LOCATION	
Aurum Geological Consultants Inc.	Date Dec, 1992
NTS 105G	Drawn by BK
	Figure 1

PHYSIOGRAPHY, CLIMATE AND VEGETATION

The Wyo project covers a range of rounded hills east of Fire Lake in the Pelly Mountains. Elevations on the property range from 3500 feet to slightly over 6500 feet on ridge tops. The ridges and hills are flanked by moderate slopes with local felsenmeer cover.

An interior continental climate with moderate to low precipitation of 30 cm annually, warm summers and cold winters typifies the area. Permafrost is commonly present on the north and east facing slopes. The property is usually snow free from late June to mid September.

Approximately thirty percent of the project area is above treeline (4500' or 1370 m). Areas below treeline have ground cover of white spruce, aspen, dwarf birch (buckbrush). Above treeline ground cover consists of moss, alpine plants, sparse dwarf willow and birch.

Recent Pleistocene glaciation scoured the area. As a result outcrop is good (20%) except on forested valley bottoms. A large portion of the property is covered by felsenmeer and talus fines.

HISTORY

According to Yukon Minfile (1992) most of the area has not been previously staked. The area was presumably prospected for placer gold in the late 1800's and early 1900's. The area was explored for lead - zinc deposits in the 1960's which culminated in the discovery of the Fyre Lake volcanogenic massive sulfide deposit (Yukon Minfile, 1992) located approximately 12 km west of the project area.

The project area was explored by Ron Berdahl after reviewing the regional stream sediment survey results from NTS 105G carried out by the Geological Survey of Canada (Hornbrook and Friske, 1988). Ron Berdahl noted a suite of anomalous elements in stream sediment samples with a similar signature to that noted near the Fyre Lake deposit.

GEOLOGY

Regional Geology

The Wyo project is situated within the Ominica Belt (Wheeler et al., 1991). The geology of the Finlayson map area has been most recently compiled by D.J. Tempelman-Kluit (1977) at a scale of 1:250,000. The oldest rocks exposed in the area are Upper Proterozoic - Triassic cataclastic sediments and volcanics of the of the Nisutlin Allochthon, part of the pericratonic Kootenay Terrane. Younger oceanic marginal basin volcanic and sedimentary rocks of the Devonian - Triassic allochthonous Slide Mountain Terrane are also found in the area thrust over sedimentary rocks of the Cassier Platform.

The Tintina Fault, located 15 - 20 km southwest of the project area, generally follows the Mesozoic suture which separates ancestral North America from the composite accreted terrane, the Yukon - Tanana Terrane. At least 450 km of dextral strike slip movement has taken place along the Tintina fault since latest Cretaceous or Early Tertiary time (Tempelman-Kluit, 1979). This has caused western parts of the Cassiar Platform to be offset.

Project Area Geology

The most common lithology underlying the Wyo project area is muscovite quartz blastomylonite of the Klondike Schist (Tempelman-Kluit, 1977). The muscovite quartz blastomylonite, of unknown age, is slightly rusty weathering, white to pale green, the unit includes minor fine grained amphibolite and chlorite

quartz and biotite quartz blastomylonite. Another unit of the Klondike Schist hosts the Fyre Lake deposit.

Younger Carboniferous or Permian limestone of the Cassier Platform is found in the west central area of the project area (Tempelman-Kluit, 1977). The limestone is white weathering, resistant, massive light grey recrystallized and crinoidal. It commonly has well developed flaser texture and grades into a marble blastomylomite.

Allochthonous protomylonite and mylonite rocks of Devonian to Triassic (?) (Tempelman-Kluit, 1977) are thrust over the above rock package. These rocks are massive, resistant, medium - grey weathering, blocky, dark green and derived from hornblende granodiorite to quartz diorite. For the most part these rocks now appear as quartz chlorite feldspar schist.

Young Cretaceous to Tertiary shallow intrusive and volcanic rocks intrude and overlie the Klondike Schist (Tempelman-Kluit, 1977). These rocks are commonly of rhyolite to dacite composition. Locally these rocks are pyritic and form prominent gossans.

Regional structure is dominated by thrust faults and steeply dipping normal faults.

MINERALIZATION

A new showing was discovered by Ron Berdahl in 1992, labeled G #1 (for Gossan #1) on figure 2, in the central part of the project area. Mineralization consists of fine grained light brown sphalerite and fine grained galena in 2'x2'x1'angular boulders found in a quartz carbonate breccia "dirt pile" zone. Dark green volcanics outcrop in the immediate area and apparently overlie a large, rusty, competent, light green schist. The schist weathers a gossanous red-brown.

Grab rock samples of the mineralized float returned up to 9.33% lead, 7.91% zinc, 60.2 gpt silver, 129 ppb gold and 0.6% copper. A soil sample collected 6m topographically above the exposed mineralized float returned 282 ppm lead, 1885 ppm zinc, 4.2 gpt silver, and 0.173% copper.

A gossan (labeled G #2 on Figure 2) located approximately 2 km southwest of Gossan #1 was not investigated in 1992 due to lack of time.

A previously undocumented 10m thick exposure of massive bedded barite (53% Ba) is exposed for a strike length of approximately 30 meters approximately 2 km east of the massive sulfide float occurrence (G #1) described above.

GEOCHEMISTRY

1992 Results

A total of 31 samples (16 rock, 10 stream sediment, 5 soil) were collected on the Wyo project in 1992. All samples were analyzed for their gold and silver content, and for additional elements including Cu, Pb, Zn, As, and Sb. Results for the work carried out are shown on Figure 2. The more significant rock samples are described above under 'mineralization'. Complete rock sample descriptions and analytical results are included in Appendix A and B respectively.

Stream Sediment Samples

In 1990 the Geological Survey of Canada released regional stream sediment and water geochemical data, GSC Open File 1648, for the Finlayson map sheet, NTS 105G (Hornbrook and Friske, 1988). Of the samples collected by the GSC from the project area numerous elements including; lead, zinc, silver, copper, barium, and silver returned values that fall within the 95th percentile in the regional survey.

Stream sediment samples collected by Ron Berdahl in the Wyo project area returned highly anomalous results for; lead (40-60 ppm), zinc (1000+ ppm), silver (1+ ppm), Cadmium (5-10 ppm), and gold (up to 124 ppm). Stream sediment samples were not analyzed for barium by specific technique.

CONCLUSIONS AND RECOMMENDATIONS

The Wyo project, located in the Ominica Crystalline Belt, covers a package of allochthonous intrusive, volcanic and sedimentary rocks thrust over sedimentary rocks of the Cassier Platform. All of the above rocks are moderately to intensely strained. These rocks are intruded and overlain by dacite and rhyolite of probable Cretaceous - Tertiary age.

Work to date has consisted of a grassroots prospecting and sampling program carried out in 1992 in the search for volcanogenic massive sulfides. A total of 31 samples (16 rock, 10 stream sediment, 5 soil samples) have been collected to date. Mineralization found to date include an occurrence of mineralized float that returned up to 9.33 % lead, 7.91 % zinc, and 0.6 % copper from a gossanous area of quartz carbonate breccia. Prospecting also located a previously unreported 10 m thick massive barite bed exposed over a strike length of 30 meters.

Numerous stream sediment samples collected by the Geological Survey of Canada and Ron Berdahl returned anomalous values for lead, zinc, silver, copper, barite, cadmium and gold that remain unexplained. These results are similar to those reported by the GSC from the vicinity of the nearby (~12km west) Fyre Lake volcanogenic massive sulfide deposit.

As the Wyo project area is underlain by favorable lithologies and anomalous stream sediment samples remain unexplained it should be further explored for possible volcanogenic massive sulfide deposits.

The following is recommended:

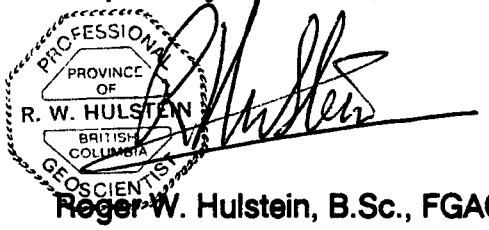
1. Compile a 1:10,000 scale map of the Wyo project area incorporating all available geological, geochemical and remote sensing data to better identify potential volcanogenic massive sulfide deposit targets.

2. Further exploration consisting of prospecting, geological mapping and rock, soil and, stream sediment geochemistry should be carried out over the entire property.

3. Future geochemical analysis should include a specific analytical technique for barium as barite may be associated with massive sulfides. Emphases should also be placed on possible gold mineralization associated with the rhyolite dykes.

4. Any further work (geophysics, trenching, etc.) is contingent on results of the above work.

Respectfully submitted;



December 31, 1992

Roger W. Hulstein, B.Sc., FGAC, P.Geo.

REFERENCES

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Wheeler J.O. and McFeely P., 1991. Tectonic Assemblage Map of the Canadian Cordilleras and Adjacent parts of the United States of America; Geological Survey of Canada, Map 1712A, scale 1:2,000,000.

Yukon Minfile, 1992. Northern Cordilleran Mineral Inventory; Exploration and Geological Services, Department of Indian and Northern Affairs, Whitehorse Yukon.

STATEMENT OF QUALIFICATIONS

I, ROGER W. HULSTEIN, with business address:

Aurum Geological Consultants Inc.
205 - 100 Main St.
P.O. Box 4367
Whitehorse, Yukon
Y1A 3T5

do hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 205-100 Main Street, Whitehorse, Yukon Territory.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

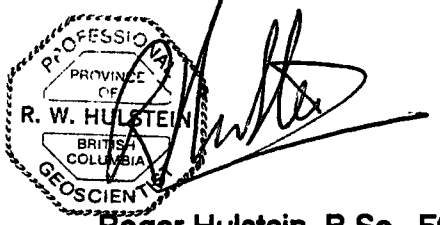
3. I am a member of the Geological Association of Canada (A3572).

4. I am a member of The Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 19127.

5. I have no direct or indirect interest in the properties of Mr. Ron Berdahl.

6. I am the author of this report on the Wyo Project, which is based on my personal knowledge of the area, the information supplied to me by Ron Berdahl, and on referenced sources.

7. I consent to the use of this report, in a company report or statement, provided no portion is used out of context in such a manner as to convey a meaning differing from that set out in the whole.



December 31, 1992

Roger Hulstein, B.Sc., FGAC, P.Geo.

APPENDIX A
Rock Sample Descriptions

WYO 105G

ROCK DESCRIPTIONS

2G12 - competent green chlorotic schistose rock with 2 - 3 % pyrite in veinlets and dissemination. Rusty on cleavage plane

2G17 - quartz carbonate float with trace disseminated pyrite and manganese, 1/2" limonite rind.

2G18 - Siliceous breccia with limonite

2G19 - rusty, heavy grey green volcanic with pods, veins of massive sulphide, - > 15% (pyrites)

2G113 - vuggy, eaten out, rhyolite with sulphides in vugs

2G120 - rusty chlorotic schist with minor limonite in bedding, possible hydrothermal alteration

2G122 - grungy meta shale with chlorotic schistose

2G123 - from 2'x 2'x 1' boulder very fine grained Pb Zn mineralization with white coating in green volcanics, sulphides > 25%?

2G124 - as above wiht silica

2G125 - quartz carbonate breccia with white coating

2G126 - metalliferous (pyrite Pb ? et al) green grey aphanitic, hard rock with manganese stain

2G128 - manganese stained, siliceous aphanitic grungy rock

2G129 - massive siliceous yellow barite

2G130 - light green/white siliceous aphanitic with 1/4" fine grained crystalline sulphide vein.

2G131 - tan schist

WYO

STREAM SEDIMENTS AND SOILS

S2G11 - stream sediment from 1 m wide creek ~ 6" depth; very small drainage area (pass); gravel bottom.

S2G13 - dry stream sediment on left limit of GSC 3414 creek.

S2G14 - stream sediment (3414 GSC) 2' wide; gravel bottom.

S2G15 - stream sediment right limit to above - 1' wide; through willow.

S2G16 - stream sediment left limit; fault tributary, trickle (fault tributary).

2G111 - soil from yellow altered soil zone; 100 m wide

2G112 - soil from 5' wide red soil zone between pyritic volcanics.

2G114 - stream sediment from several intermittent 'flood' channels from small, < 1', rapidly flowing creek

S2G115 - stream sediment GSC # 3412; 1' wide w/ eroding banks

S2G116 - stream sediment from 1 m wide creek - gravel bottom 1' deep - few fines, GSC #3413

M2G117 - moss mat sample from bank of above (S2G116) creek

S2G118 - stream sediment at mouth of GSC #3414

S2G119 - stream sediment from 6" steep gradient drainage adjacent to gossan; bed of cobble size talus

D2G121 - soil, 8" limonitic soils in green mafic volcanics

2G127 - soil from orange quartz carbonate

APPENDIX B

Analytical Methods and Reports

Northern Analytical Laboratories ltd

25-Sep-92 date | Assay Certificate | page

Ron Berdhal | WC#13772

Sample #	Au ppb
2F1513	18
2F1514	7
2F1515	13
2F1516	19
2F1519	13
2F152	18
2F1520	6
2F1521	29
2F153	548
2F154	53
2F155	28
2F157	148
2F159	11
2G110	21
2G111	37
2G112	22
2G113	65
2G114	9
2G12	17
2G120	8
2G122	24
2G122	5
2G123	129
2G124	56
2G125	27
2G126	14
2G128	8
2G129	<5
2G130	16
2G131	25
2G17	54
2G18	18
2G19	17
2N101	[illegible]
2N1010	[illegible]
2N1011	[illegible]
2N1012	14
2N1013	15

FIRE ASSAY

Certified by [illegible]

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern
Analytical
Laboratories ltd

25-Sep-92 date

Assay Certificate

Ron Berdhal

WO#13772

Sample #	Au ppb	
2N1014	<5	
2N1015	12	
2N1016	20	
2N1017	26	
2N1018	24	
2N1019	26	
2N102	14	
2N1020	12	
2N104	19	
2N105	16	
2N106	18	
2N107	25	
2N108	20	
2N109	23	
G115	13	FINLAYSON
2SG116	19	
75CR15	1718	
D2F151	13	
D2F1511	18	
D2F1512	78	
D2F1518	21	
D2F156	447	
D2F158	17	
D2G1207	38	FINLAYSON
D2G121	21	
M2G117	21	
RN105	15	
S2F1510	15	
S2F1517	41	
S2G11	22	
S2G118	29	FINLAYSON
S2G119	24	
S2G13	124	
S2G14	13	
S2G15	12	
2G16	35	

Certified by

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R E P O R T S U M M A R Y Report:[9200817 R]

A N A L Y T I C A L R E P O R T

Origin Inception Date:[Sep 25, 1992]

Client:[	309	Northern Analytical Laboratories]
Contact:[		Norm Smith]
Project:[	0	W/O 13772]
Amount/Type:[	50	Pulp]
[		]

Analytical Requisition

Geochemical:[	ICP(AqR)30]	
Assay:[	None]	ICP:[30]
Comments:[	None	]

Delivery Information Reporting Date:[Sep 28, 1992]

Principal Destination (Hardcopy,Fascimile,Invoice)

Company:[	Northern Analytical Laboratories]
Address:[	105 Copper Road]
City/Province:[	Whitehorse, YT]
Country/Postal:[	Y1A 2Z7]
Attention:[	Norm Smith]
Fascimile:[	403/668-4890]

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Project: W/O 13772 Out: Sep 28, 1992 50 Pulp Certified BC Assayer David Chiu

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
75 CRK	P	<	38	13	158	23	9	<	4	<	<	0.7	12	34	548	<	17	38	299	16	63	2	2	0.01	0.92	0.71	3.52	0.67	0.08	0.02	0.30
2G 12	P	0.3	102	46	1213	12	9	<	2	<	<	13.8	71	446	60	<	135	28	252	7	32	3	2	0.16	0.91	0.72	3.96	1.04	0.08	0.02	0.22
2G 17	P	0.4	19	80	418	198	31	3	5	<	<	10.6	10	37	661	<	116	67	1782	12	71	6	6	<	0.29	13.08	3.64	7.42	0.03	0.01	0.11
2G 18	P	0.4	35	380	341	16	11	<	2	<	<	2.1	5	31	157	<	47	4	100	3	6	2	2	<	0.13	0.10	0.96	0.06	0.06	0.01	0.01
2G 19	P	0.8	274	25	27	<	<	<	3	<	<	<	86	274	7	<	33	28	83	2	53	8	2	0.25	0.44	0.91	8.44	0.23	0.05	0.02	0.17
2G 110	P	0.3	11	28	76	35	7	<	2	<	<	<	9	7	81	<	59	28	245	6	25	3	5	0.13	1.10	0.24	4.29	0.89	0.05	0.04	0.09
2G 111	P	0.5	47	99	255	34	<	<	5	<	<	<	9	7	121	<	21	23	196	8	19	5	8	<	0.59	0.01	8.50	0.46	0.12	0.02	0.14
2G 112	P	0.9	35	132	143	38	<	<	6	<	5	<	4	6	192	<	24	26	141	16	29	4	7	<	0.81	0.01	9.37	0.21	0.25	0.04	0.14
2G 113	P	3.3	81	163	167	29	<	<	5	<	4	0.7	4	20	<	<	88	13	111	<	4	3	1	<	0.14	0.02	9.63	0.01	0.04	0.01	0.01
2G 114	P	1.1	78	60	438	48	9	<	13	<	<	4.3	16	69	420	<	29	39	641	16	32	1	2	0.03	1.05	0.31	3.91	0.64	0.07	0.01	0.13
2G 120	P	0.3	38	17	83	<	6	<	25	<	<	<	5	21	567	<	52	20	115	4	82	5	1	0.18	0.43	0.61	4.50	0.09	<	0.02	0.10
2G 122	P	0.3	229	44	370	9	6	<	2	<	<	3.5	13	56	372	<	87	56	279	3	4	6	3	<	1.45	0.15	3.66	1.26	0.13	0.01	0.05
2G 125	P	3.0	236	7990	7746	<	25	9	6	<	<	49.6	34	96	88	<	104	56	5047	8	106	6	6	0.04	0.41	11.06	4.88	5.46	0.01	0.02	0.09
2G 126	P	6.8	293	3351	3529	<	9	<	3	<	<	27.7	23	30	126	<	67	23	2151	5	39	3	2	0.13	0.49	1.68	1.41	0.42	<	0.01	0.22
2G 128	P	0.1	114	33	265	9	<	<	2	<	<	1.5	49	100	276	<	43	16	830	<	5	3	1	0.03	0.45	0.22	1.02	0.29	0.03	0.01	0.02
2G 129	P	0.3	27	30	111	17	13	<	6	<	<	0.9	1	20	167	<	11	24	31	2	82	2	<	<	0.08	0.08	1.38	0.04	0.16	0.01	0.08
2G 130	P	0.9	27	325	144	38	9	<	4	<	<	0.6	12	10	3	<	68	15	359	<	20	2	3	0.09	0.92	0.38	6.25	0.77	0.01	0.02	0.04
2G 131	P	0.2	24	46	227	16	7	<	3	<	<	0.6	20	10	27	<	33	24	874	17	73	5	14	<	0.82	3.16	3.79	1.09	0.17	0.04	0.30
2N 101	P	<	38	14	31	6	6	<	3	<	<	0.2	5	12	58	<	107	6	444	4	7	1	1	<	0.45	0.10	1.32	0.26	0.05	0.02	0.02
2N 102	P	0.2	29	10	128	11	<	<	2	<	<	1.0	8	28	847	<	13	34	494	9	53	2	2	0.01	0.66	0.50	1.90	0.35	0.08	0.02	0.12
2N 103	P	0.3	35	14	120	14	<	<	3	<	<	0.5	10	28	438	<	13	30	338	14	47	1	2	0.01	0.80	0.67	2.49	0.53	0.08	0.02	0.17
2N 104	P	0.2	24	10	103	9	<	<	2	<	<	0.7	7	22	421	<	12	26	500	8	70	1	2	0.01	0.67	0.72	1.66	0.38	0.06	0.02	0.10
2N 106	P	0.7	53	10	384	23	9	<	7	<	<	3.0	13	63	966	<	15	40	492	8	62	1	2	<	0.65	0.30	2.71	0.31	0.05	0.01	0.12
2N 107	P	0.5	46	12	172	13	6	<	3	<	<	1.6	7	26	526	<	10	31	324	11	82	2	2	<	0.60	1.03	1.73	0.36	0.08	0.02	0.19
2N 108	P	0.2	29	9	222	11	5	<	2	<	<	1.6	7	31	575	<	10	28	508	17	66	1	1	0.01	0.56	0.70	1.83	0.29	0.07	0.02	0.20
2N 109	P	0.4	41	7	207	19	7	<	4	<	<	1.2	8	43	657	<	13	33	360	9	53	<	2	0.01	0.62	0.45	2.31	0.27	0.06	0.01	0.11
2N 1010	P	0.2	35	12	122	14	5	<	3	<	<	0.6	10	28	492	<	13	32	349	14	48	1	2	0.01	0.80	0.63	2.41	0.50	0.09	0.02	0.16
2N 1011	P	0.2	39	11	124	17	7	<	3	<	<	0.5	11	30	447	<	13	30	389	14	46	2	2	0.01	0.79	0.66	2.53	0.52	0.08	0.02	0.19
2N 1012	P	0.2	45	17	123	12	<	<	3	<	<	0.7	13	34	413	<	14	33	515	13	41	1	2	0.01	0.90	0.56	2.70	0.56	0.09	0.02	0.15
2N 1013	P	<	20	11	36	<	5	<	4	<	<	<	5	9	53	<	108	20	354	4	43	1	2	<	0.80	0.54	2.44	0.61	0.04	0.01	0.06
2N 1014	P	<	117	<	28	<	6	<	4	<	<	0.1	3	11	44	<	98	14	214	3	63	5	1	<	0.38	1.42	1.01	0.48	0.03	0.02	0.07
2N 1015	P	0.3	33	13	121	12	<	<	3	<	<	0.6	9	27	565	<	13	31	335	12	56	2	2	0.01	0.79	0.73	2.31	0.49	0.08	0.02	0.16
2N 1016	P	0.2	49	17	135	23	5	<	4	<	<	0.8	13	37	539	<	14	34	548	15	52	2	2	0.01	0.85	0.77	2.71	0.54	0.09	0.02	0.19
2N 1017	P	<	14	47	54	176	5	<	2	<	<	0.2	1	3	98	<	51	4	209	2	29	7	<	<	0.45	0.35	0.67	0.13	0.23	0.03	0.02
2N 1018	P	0.4	40	15	102	23	9	<	9	<	<	0.2	10	25	792	<	14	49	375	11	88	1	1	0.01	0.61	0.08	3.53	0.11	0.10	0.01	0.08
2N 1019	P	0.5	81	15	538	21	<	<	6	<	<	2.5	23	153	1296	<	15	41	2397	8	89	1	2	0.01	1.07	0.15	2.70	0.28	0.05	0.02	0.08
2N 1020	P	0.2	22	10	132	6	<	<	1	<	<	0.9	5	23	515	<	12	34	279	9	51	2	2	0.01	0.74	0.64	1.46	0.36	0.06	0.02	0.11
2SG 115	P	1.5	92	58	819	79	12	<	11	<	<	5.7	13	135	1443	<	35	53	378	13	56	1	1	0.01	0.48	0.39	3.14	0.26	0.03	0.01	0.18
2SG 116	P	0.5	208	42	1051	29	7	<	10	<	<	9.1	64	206	298	<	31	47	2391	20	21	2	2	0.02	1.49	0.32	3.81	0.62	0.03	0.01	0.13
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	99.99	99.99	99.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200817 T Northern Analytical Laboratories In: Sep 25, 1992 Page 2 of 2 Section 1 of 1
Project: W/O 13772 Out: Sep 28, 1992 50 Pulp Certified BC Assayer David Chiu

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
D2G 121	P	1.4	1072	27	824	48	33	<	46	<	5	1.7	61	282	90	6	227	138	247	22	35	9	7	0.10	1.84	0.04	28.43	0.08	0.02	0.05	0.70
D2G 1207	P	4.2	1730	282	1885	37	13	<	15	<	25	9.8	83	356	1251	<	185	174	2381	35	53	7	15	0.01	0.97	0.26	13.90	0.12	0.03	0.01	0.20
M2G 117	P	0.9	221	38	1157	40	9	<	10	<	<	8.7	51	245	421	<	43	57	1880	27	27	2	3	0.02	1.95	0.47	4.24	0.74	0.04	0.01	0.15
RN 105	P	0.4	32	9	106	11	<	<	2	<	<	0.8	7	23	348	<	10	29	197	10	48	1	1	0.01	0.64	0.74	1.70	0.34	0.06	0.02	0.13
S2G 10	P	1.8	165	16	736	269	33	<	15	<	<	5.8	20	166	816	<	41	69	366	20	61	2	3	0.03	0.55	0.46	3.80	0.51	0.06	0.02	0.25
S2G 11	P	1.0	47	26	534	107	8	<	9	<	<	6.7	17	90	1265	<	33	37	3375	18	76	1	1	0.02	1.01	0.76	5.36	0.54	0.06	0.02	0.24
S2G 13	P	2.1	194	67	915	589	48	<	11	<	<	7.5	44	210	612	<	69	70	852	20	55	2	5	0.05	0.72	0.58	5.25	0.73	0.07	0.01	0.23
S2G 14	P	1.6	154	55	1287	116	24	<	14	<	<	13.3	19	166	735	<	34	65	544	20	35	2	3	0.01	0.68	0.32	3.80	0.54	0.03	0.01	0.19
S2G 15	P	1.6	85	42	876	100	11	<	9	<	<	11.1	13	129	891	<	23	44	430	15	42	1	1	0.01	0.67	0.39	2.90	0.35	0.03	0.01	0.17
S2G 118	P	1.2	79	34	997	84	16	<	9	<	<	8.6	14	108	581	<	32	42	320	12	31	3	2	0.03	0.51	0.37	3.37	0.44	0.03	0.01	0.17
S2G 119	P	0.4	104	49	250	20	<	<	4	<	<	4.7	11	63	253	<	23	22	293	10	18	<	1	0.03	0.53	0.30	2.57	0.37	0.07	0.02	0.09
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	99.99	99.99	99.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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REPORT SUMMARY Report:[9200870 R]

ANALYTICAL REPORT

Origin Inception Date:[Oct 13, 1992]

Client:[	309	Northern Analytical Laboratories]
Contact:[		Norm Smith]
Project:[	0	W/O 13772]
Amount/Type:[	3	Pulp]
[		]

Analytical Requisition

Geochemical:[	ICP(AqR)30 + Ba]	
Assay:[	None]	ICP:[30]
Comments:[	None	]

Delivery Information Reporting Date:[Oct 15, 1992]

Principal Destination (Hardcopy,Fascimile,Invoice)

Company:[	Northern Analytical Laboratories]
Address:[	105 Copper Road]
City/Province:[	Whitehorse, YT]
Country/Postal:[	Y1A 2Z7]
Attention:[	Norm Smith]
Fascimile:[	403/668-4890]

Secondary Destination (Hardcopy)

Company:[	]
Address:[	]
City/Province:[	]
Country/Postal:[	]
Attention:[	]
Fascimile:[	]

1 data pages in this report. Approved by: _____

B.C. Certified Assayers

iPL CODE: 921015-15:35:05

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iPL Report: 9200870 T Northern Analytical Laboratories In: Oct 13, 1992 Page 1 of 1 Section 1 of 2
Project: W/O 13772 Out: Oct 15, 1992 3 Pulp Certified BC Assayer David Chiu

Sample Name		Ba %	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
2G123	P	--	51.3	675	18893	7.7%	12	<	68	<	<	28	0.5m	159	46	<	<	28	9	2148	<	5	3	<	0.02	0.20	1.50	4.21	0.06	0.02	0.01
2G124	P	--	27.2	105	2.2%	3.4%	<	<	14	3	<	34	0.2m	49	15	<	<	97	7	1346	2	3	2	<	0.02	0.15	0.80	0.97	0.11	0.02	0.01
2G129	P	53.09	--	--	--	***	--	--	--	--	***	--	--	--	--	***	--	--	--	--	***	--	--	--	--	***	--	--	--	--	--
Min Limit		0.01	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		100.00	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	99.99	99.99	99.99	9.99	9.99	5.00
Method		Assay	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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iPL Report: 9200870 T Northern Analytical Laboratories In: Oct 13, 1992 Page 1 of 1 Section 2 of 2
Project: W/O 13772 Out: Oct 15, 1992 3 Pulp Certified BC Assayer _____ David Chiu

Sample Name	P %
2G123	0.05
2G124	0.03
2G129	--

Min Limit 0.01
Max Reported* 5.00
Method ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

Northern Analytical Laboratories ltd.

28-Sep-92 date

Assay Certificate

Ron Berdhal

WO#13772

Sample #	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
D2F156	<0.1	402	15	21	54	17
D2F158	<0.1	307	20	163	219	35
D2F1511	<0.1	391	37	1037	363	44
D2F1518	<0.1	793	12	98	78	26
S2F1510	<0.1	90	11	47	49	39
D2F1512	<0.1	64	21	99	>2000	51
D2F151	<0.1	209	14	41	1280	47
S2F1517	<0.1	89	8	39	38	16
2F1516	<0.1	281	20	84	89	13
2F1513	<0.1	546	46	95	59	29
2F1519	<0.1	347	21	16	81	18
2F1521	<0.1	299	51	154	>2000	115
2F159	<0.1	1369	47	121	87	35
2F1520	<0.1	270	19	58	297	50
2F154	5.4	>10000	12	86	74	23
2F1515	<0.1	195	43	18	87	17
2F152	<0.1	1660	113	167	148	31
2F1514	<0.1	171	28	17	120	36
2F153	8.5	8840	12	52	91	21
2F155	<0.1	861	14	2	87	26
2F157	113.6	>10000	24	813	232	18
2G19	<0.1	90	50	90	54	21
2G123		210-?	9.33%	7.91%		
2G124			3.48%	3.46%		

showing

Certified by

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

24-Oct-92 date | Assay Certificate | Page 1

RonBerdhal | WO#13772

Sample #	Ag ppm	Cu %
2G123	60.2	0.6
2G124	29.5	0.1
2F154		18.01
2F157		35.09

Certified by

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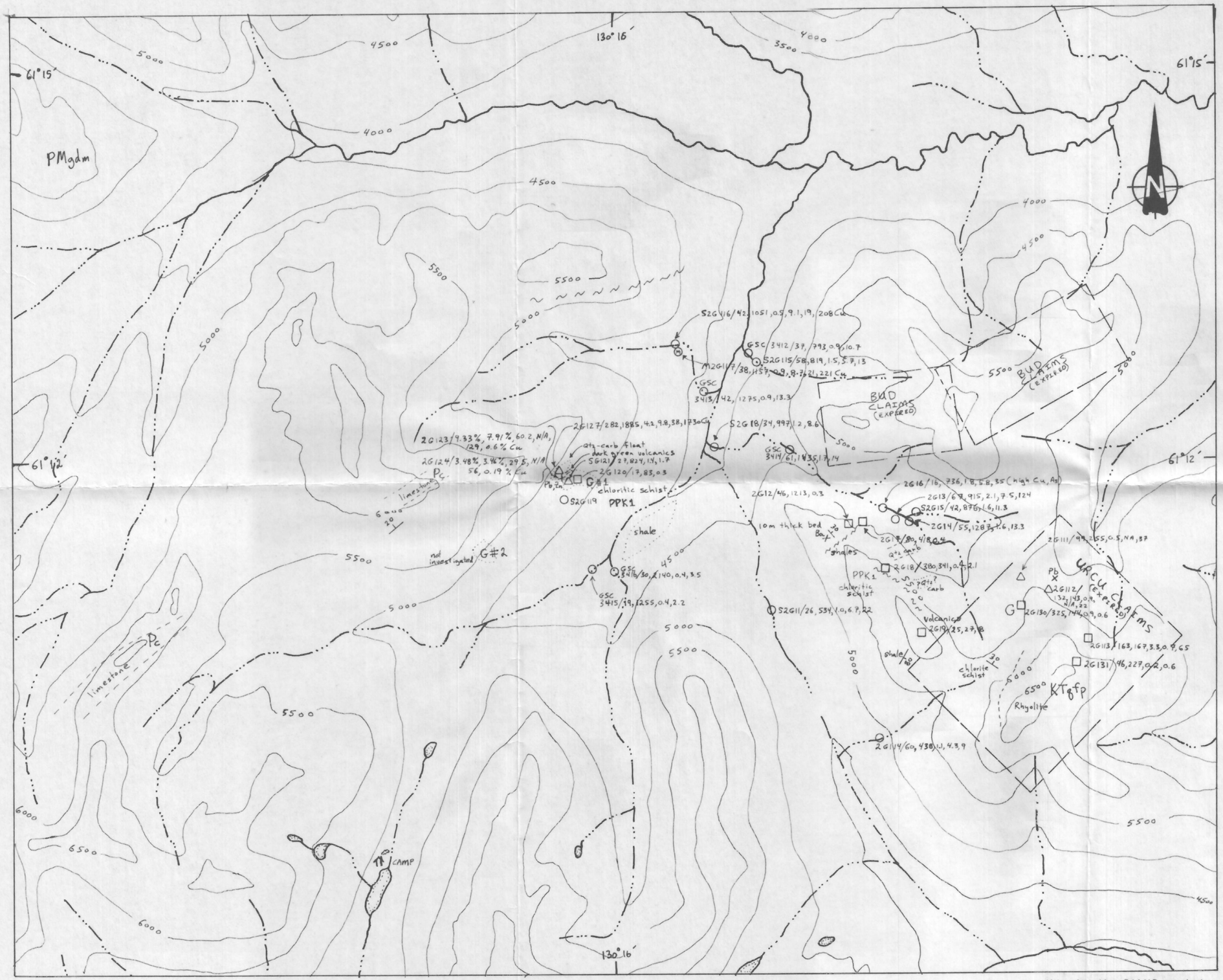

LEGEND

Cretaceous to Tertiary

KTgfp rhyolite, dacite

Carboniferous or Permian

Pc white weathering limestone

Devonian (?) to Triassic (?)

PMgdm mylonitized hornblende granodiorite

Precambrian (?) to Paleozoic (?)

PPK1 Klondike Schist: muscovite quartz blastomylonite, chlorite schist, mafic volcanics

- □ rock sample
- ○ stream sediment sample
- △ soil sample
- Ⓜ moss mat sample

sample number/Pb ppm, Zn ppm, Ag ppm, Cd ppm, Au ppb

- ~~ fault
- --- approximate lithological contact
- G#1 gossan and number
- x mineral occurrence
- ····· outcrop or zone perimeter

elevation contour 500 feet

Note: adapted from D.I.A.N.D. map sheet

R. BERDAHL

WYO PROJECT

Watson Lake Mining District

GEOLOGY AND GEOCHEMISTRY

Aurum Geological Consultants Inc.			Dec., 1992
Scale 1:31,680	Drawn By: RH. & RB.	NTS 105G/1	Figure: 2