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ASSESSMENT REPORT
GEOCHEMICAL SAMPLING
SUN CLAIMS
(SUN 1-139, YA 62957 - YA 63095)
MAYO MINING DISTRICT
NTS 105 O/11



LATITUDE: 63°35'N
LONGITUDE: 131°10'W

JUNE 26 - August 23, 1982

By: T. Garagan

January, 1983



This report has been examined by
the Case Investigation Unit
under section 53.4 Yukon Quartz
Mining Act and is offered as
representation work to the amount
of \$ 28,664.75.

P. Watson

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

INDIAN AND NORTHERN
AFFAIRS
RECEIVED.

83 FEB 14 P 3: 26

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NNREE WHSE

LAND MAYO

14 FEB 83

GEOLOGY SECTION
ATTN PAT WATSON

RE: SUN CLAIMS

THE AMOUNT REQUIRED IS 4444XXXXX 44400.00

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TIM
MAYO MINING DISTRICT

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LAND MAYO

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1. INTRODUCTION

1.1 General Statement

This report describes work carried out by Agip Canada Ltd. on the SUN claims (SUN 1-139, YA 62957-YA 63095) from June 26th to August 23rd, 1982. This work program consisted of prospecting and geochemical sampling. Field work was carried out from a camp at Emerald Lake with a crew of up to 15 people which included 4 mountaineers on contract from Bema Industries, Langley, B.C. Only part of this crew was involved in work on the SUN claims at any one time. Costs have been pro-rated accordingly.

A Hughes 500D helicopter contracted from Canwest Aviation, Okotoks, Alberta was based at Emerald Lake for most of the time and was used for crew set outs. A Terr-Air Rotary Hughes 500D helicopter from Ross River was based at Emerald Lake for 2.5 days while the Canwest helicopter was undergoing maintenance.

1.2 Location, Access and Topography

The SUN claims are situated in the Mayo Mining District (claim sheet 105 0/11, latitude 63°35'N and longitude 131°10'W), approximately 60 kilometers northwest of MacMillan Pass. The location of the claims with respect to local topography is shown in Figure 1 (topography from claim map 105 0/11). The claim group is situated in the central part of the Rogue Range in the Hess Mountains.

Access to the Emerald Lake area is by float-equipped aircraft from Ross River (190 kilometers to the southwest) or by helicopter from the MacMillan Pass airstrip. During the summer months, supplies can be trucked from Whitehorse or Ross River to MacMillan Pass via the North Canol Road and the area is serviced by scheduled aircraft from Whitehorse. A

tote road leads from the North Canal Road to the PLATA airstrip, passing within 30 kilometers of Emerald lake at a point 75 kilometers from the road. The present condition of this tote road is unknown.

Emerald Lake, at an altitude of 1050 meters, is the lowest point within the claim group. Most of the property is extremely rugged with peaks reaching 2400 meters elevation. Sharp ridges with many pinnacles and towers separate a series of cirques with high cliffs and often small alpine glaciers. Valleys are typically broad and U-shaped with steep walls. At lower elevations there are extensive areas of moraine and coarse talus; snowfields are common on north-facing slopes. Vegetation is present only at lower elevations (below approximately 1500 meters).

2. GEOLOGY

The SUN claims cover the eastern portion of the Emerald Lake Syenite Intrusion and its contact aureole (Figure 2). This Cretaceous pluton has intruded and metamorphosed a strongly folded sequence of Lower Paleozoic clastic rocks of the Selwyn Basin. The aureole is a zone of resistant hornfelsed rocks, several hundred meters wide, with a distinctive rusty colour derived from surficial weathering of minor amounts of fine-grained pyrrhotite and pyrite.

The Emerald Lake intrusion is an elongate, east-west-trending body of syenitic composition approximately 12 kilometers long and 1.5 to 2 kilometers wide. The intrusion is presumed to be of mid-Cretaceous age by analogy with other large felsic plutons in the MacMillan Pass area, although the others are predominantly quartz monzonites and granodiorites. The Emerald Lake intrusion shows some differentiation; rock compositions range from syenite to quartz syenite, monzonite and potassic diorite (in order of decreasing abundance). Late-stage differentiates are silica-rich quartz-feldspar porphyry dykes, aplites and vein fillings. Several of the porphyry dykes cut the surrounding sedimentary rocks.

Sedimentary rocks around the Emerald Lake intrusion form part of a Lower Paleozoic slope and basin facies sequence of the Eastern Selwyn Basin. Green and maroon shales and siltstone which occur just south of the SUN claims are probably of Upper Proterozoic to Lower Cambrian-age and form part of the initial depositional sequence in the Selwyn Basin (G. Abbott, pers. comm., 1981). Most units within the property appear to be part of the Ordovician to Silurian Road River Formation, although some units may be as young as Devonian; the few graptolite fossils discovered in the area so far seem to confirm these ages. The sedimentary rocks strike close to north-south and apparently young from east to west.

The most common lithologies are cherts, cherty mudstones and siltstones with minor amounts of graptolitic shale and limestone. Gritty sandstones, and a cherty fragmental rock containing abundant sulphide clasts also occur locally. Well-developed Bouma cycles can be distinguished in silty and sandy horizons.

In the SUN claims, minor amounts of copper, molybdenum and tungsten mineralization occur in veins within the intrusion. Hornfelsed sediments around the margins of the syenite host appreciable amounts of disseminated pyrrhotite and pyrite with local enrichments of chalcopyrite and scheelite and trace to significant amounts of gold. Some lenses and pods of skarn are found where limey bands have been replaced.

Several of the porphyry dykes which cut the sediments contain thin veinlets of quartz, bismuthinite, galena, arsenopyrite and sphalerite which carry trace to significant amounts of gold and silver. In addition, several arsenopyrite-quartz veins up to 30 cm thick and 20 meters long are found cutting the hornfelsed sediments near these dykes and contain minor enrichments in gold and silver.

3. WORK PROGRAM

3.1 Introduction

The 1982 geochemical program in the SUN claims consisted of heavy mineral concentrate sampling, talus fine sampling,

and rock sampling, and was designed to locate and evaluate the source of 1981 stream sediment and talus fine anomalies. Four mountaineers were employed from Bema Industries in Langley, B.C. to sample cliff faces in difficult terrain throughout the property. In the SUN claims, the mountaineers did some sampling in the Tumbledown glacier area. The sample locations and rock sample data are shown in Figure 2 and the soil sample and heavy mineral concentrate sample results are listed in Appendix B. Analytical methods are also discussed in Appendix B.

3.2 Geochemistry

Heavy mineral concentrate samples, talus fine samples and rock samples were all collected to follow up 1981 stream sediment and soil anomalies and to locate the source of additional anomalies located in 1982.

Soil and talus fine samples were collected at 25 meter intervals on either side of the creek north of Emerald Lake which contained 1480 ppb gold in a heavy mineral concentrate sample (1981 data). Two grab samples of quartz vein material and one chip sample across the skarn unit were also taken. The anomalous creek and the two creeks to the east were also re-sampled by taking two heavy mineral concentrate samples in each creek. All the soil and talus fine samples were analysed for gold, silver, arsenic and tungsten. The two grab samples were analysed for gold and silver, and the chip samples were analysed for gold, silver, and tungsten. The heavy mineral concentrate samples were analysed for gold only.

All soil samples and the rock samples are low in all elements. The two creeks east of the 1981 anomalous creek contained very high gold values in heavy mineral concentrate samples. The central creek has gold values of 3990 and 9880 ppb and the eastern creek has values of 700 and 6200 ppb gold. It would appear that the high sample from 1981 might

have been misplotted and was actually located in one of the other two creeks (the sample site was not found in the field). These results were received after the field season and the source of the gold has not yet been located. There may not be a bedrock source in the area of these creeks and the high values may be coming from some of the morainic material which forms a ledge on the side of this mountain. If the source is in the glacial till, the bedrock source of the gold would be much further to the east. More work is required in this area to determine the cause of the gold anomaly.

Talus fine and soil samples were collected at 50 meter intervals around the head of two cirques located west of Horn Peak to follow up a slightly anomalous value of 120 ppb gold in a heavy mineral concentrate sample taken in one of the creeks (1981 data).

The soil samples were analysed for gold, silver, arsenic, lead and tungsten. One sample in the eastern-most cirque contains over 1000 ppm arsenic and 226 ppm lead. This sample may be related to minor arsenopyrite-galena veining and no further work is recommended in these cirques.

Talus fine samples were collected at 25 meter intervals on the south side of Horn Creek starting at the Luc Zone and heading west. Samples were analysed for gold, silver, arsenic, tungsten, uranium and bismuth. Several of the eastern-most samples are anomalous with values up to 495 ppb gold, 800 ppm arsenic, 126 ppm uranium and 55 ppm bismuth. The source of these anomalies is not known, although several small talus boulders found in this area consist of muscovite altered syenite with some containing veins (up to 5-10 cm thick?) of quartz, potassium feldspar, pyrrhotite, pyrite, chalcopyrite, bismuthinite and arsenopyrite. A few grab samples of these boulders were taken and analysed for gold with the best result being 225 ppb gold in a sample of pyrrhotite, pyrite, etc., vein material. More work is required in this area to locate the bedrock source of the

anomalies, although the anomalies are probably related to veins in the syenite similar to those found in the boulders. If that is the case, the mineralization might be sparse.

Several grab and chip samples were taken in the Tumble-down Glacier area to try and follow-up a 630 ppb gold soil anomaly (1981 results).

The samples were taken in an area where several aplite dykes cut and fracture, and alter (tourmalinization) hornfelsed sediments. The chip samples were taken at 3 meter intervals vertically across the zone (2 chip sample lines taken by the climbing crew) and were analysed for gold, silver, arsenic, uranium, molybdenum and bismuth. The grab samples were analysed for gold, silver, arsenic and mercury. Results are plotted in Figure 2. The best chip sample result is 310 ppb gold across 3 meters of the dyke rock. The best grab sample result is 270 ppb gold and >1000 ppm arsenic from a sample of aplite dyke cut by thin quartz-arsenopyrite veinlets. The mineralization found to date in this area appears to be restricted. The source of the gold anomaly in the soil does not appear to have been found, although the most obvious source has been sampled. No further work is necessary in this area to follow-up the anomaly.

On the southeast corner of the SUN claims, several tributary creeks draining into Grizz Creek were found to contain anomalous gold in stream sediments (1981 data). Follow-up work in the area has included soil sampling, rock sampling and prospecting.

Soil samples were collected at 25 to 100 meter intervals in several of the cirques in the area (Figure 2). Several grab and chip samples were taken of and across vein material found in the area. All the soil samples were analysed for gold, silver and arsenic with several samples also being analysed for bismuth, uranium, lead, zinc and tungsten. Rock samples were analysed for gold with several samples also being analysed for silver, arsenic and bismuth.

Several of the cirques contain gold anomalies in talus, but the best anomalies are located in the 4th north-south draining creek valley from the west and in the large cirque to the northeast. Three samples collected on the eastern side of the 4th major cirque to the east of Emerald Lake (samples are not consecutive, but are in the same area), contain high gold values with 2 of these samples containing 755 and 1120 ppb gold. The sample with 1120 ppb gold also contains anomalous arsenic. The source of the anomaly has not been found, but they are presumed to come from arsenopyrite veins which cut the sediments. One small vein (5-6 m long, 2-75 cm wide) of arsenopyrite, quartz and pyrite was found in this area and a grab sample of this vein contains 3000 ppb gold. This vein is too small to explain the anomaly and some follow-up work should be carried out to explain the source of these soil anomalies. In the most northeastern cirque in the area, 10 out of 13 samples over a 650 meter distance around the northwest and north side of the cirque are anomalous in gold and in places arsenic and lead. Gold values are up to 1040 ppb, arsenic values up to >1000 ppm and lead values up to 360 ppm. A few veinlets of quartz, bismuthinite, native bismuth, arsenopyrite and galena have been found cutting a quartz-monzonite dyke in this area. Several grab samples of intrusive rocks containing vein material were taken with the best results being 13.7 ppm gold, 22.0 ppm silver and >1000 ppm arsenic in a sample with arsenopyrite and galena in the vein, and 14.9 ppm gold, >1000 ppm arsenic, and 1.6% bismuth in a sample with predominantly bismuthinite and arsenopyrite in the vein. The mineralization found to date is too limited in extent to explain the large area of the soil anomaly and more work could be done along the dyke and in the area to define the mineralization. The anomaly may be related to similar mineralization along the dyke. Unless the veins are much larger and closer together, the vein would not be economically significant. Follow-up work is necessary to determine the cause of all of the soil anomalies.

4. DISCUSSION

Reconnaissance scale soil sampling (talus fines) and rock sampling has outlined several areas within the syenite intrusion (eg: west of Luc Zone) and in the surrounding contact aureole which show enrichment in precious metals. Most areas of mineralization appear to be limited and do not warrant further work. Some of the zones are still not well defined and more prospecting and rock sampling along with geological mapping is required to define the zones of mineralization.

APPENDIX A
CLAIM NAMES AND GRANT NUMBERS

<u>SUN</u>	<u>TAG NO.</u>	<u>SUN</u>	<u>TAG NO.</u>
1	YA 62957	37	YA 62993
2	YA 62958	38	YA 62994
3	YA 62959	39	YA 62995
4	YA 62960	40	YA 62996
5	YA 62961	41	YA 62997
6	YA 62962	42	YA 62998
7	YA 62963	43	YA 62999
8	YA 62964	44	YA 63000
9	YA 62965	45	YA 63001
10	YA 62966	46	YA 63002
11	YA 62967	47	YA 63003
12	YA 62968	48	YA 63004
13	YA 62969	49	YA 63005
14	YA 62970	50	YA 63006
15	YA 62971	51	YA 63007
16	YA 62972	52	YA 63008
17	YA 62973	53	YA 63009
18	YA 62974	54	YA 63010
19	YA 62975	55	YA 63011
20	YA 62976	56	YA 63012
21	YA 62977	57	YA 63013
22	YA 62978	58	YA 63014
23	YA 62979	59	YA 63015
24	YA 62980	60	YA 63016
25	YA 62981	61	YA 63017
26	YA 62982	62	YA 63018
27	YA 62983	63	YA 63019
28	YA 62984	64	YA 63020
29	YA 62985	65	YA 63021
30	YA 62986	66	YA 63022
31	YA 62987	67	YA 63023
32	YA 62988	68	YA 63024
33	YA 62989	69	YA 63025
34	YA 62990	70	YA 63026
35	YA 62991	71	YA 63027
36	YA 62992	72	YA 63028

SUNTAG NO.

73	YA 63029
74	YA 63030
75	YA 63031
76	YA 63032
77	YA 63033
78	YA 63034
79	YA 63035
80	YA 63036
81	YA 63037
82	YA 63038
83	YA 63039
84	YA 63040
85	YA 63041
86	YA 63042
87	YA 63043
88	YA 63044
89	YA 63045
90	YA 63046
91	YA 63047
92	YA 63048
93	YA 63049
94	YA 63050
95	YA 63051
96	YA 63052
97	YA 63053
98	YA 63054
99	YA 63055
100	YA 63056
101	YA 63057
102	YA 63058
103	YA 63059
104	YA 63060
105	YA 63061
106	YA 63062
107	YA 63063
108	YA 63064
109	YA 63065

SUNTAG NO.

110	YA 63066
111	YA 63067
112	YA 63068
113	YA 63069
114	YA 63070
115	YA 63071
116	YA 63072
117	YA 63073
118	YA 63074
119	YA 63075
120	YA 63076
121	YA 63077
122	YA 63078
123	YA 63079
124	YA 63080
125	YA 63081
126	YA 63082
127	YA 63083
128	YA 63084
129	YA 63085
130	YA 63086
131	YA 63087
132	YA 63088
133	YA 63089
134	YA 63090
135	YA 63091
136	YA 63092
137	YA 63093
138	YA 63094
139	YA 63095

APPENDIX B

ANALYTICAL METHODS

Soil samples are dried and sieved to minus 80 mesh. Rock chip and heavy mineral concentrate samples are pulverized and a split of the minus 100 mesh fraction is analysed.

Copper, lead, zinc, bismuth and silver are analysed by atomic absorption techniques; for most elements the sample is dissolved in hot aqua regia. Lead and silver analyses require a correction for background. Silver values greater than 4.0 ppm are checked using a nitric acid digestion. Bismuth is analysed using a hot nitric acid digestion.

Mercury analyses are by flameless atomic absorption spectrophotometry after sample digestion.

Tungsten analyses are by basic oxidizing fusion followed by a colorimetric determination.

Arsenic analysis are by perchloric-nitric acid digestion and colorimetric determination.

Gold analyses are by fire assay techniques using a 10 g sample, but after preparation of the lead bead, the bead is dissolved in acid and the gold content determined by atomic absorption spectrophotometry.

Gold assays are by standard fire assay techniques using a 32 g sample (one assay ton). After preparation of the bead, silver is removed by dissolving with nitric acid and the bead weighed to determine the gold content of the original sample.

SUN CLAIMS: ANALYTICAL RESULTS

Heavy Mineral Concentrate Samples

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
20000	20							
20001	270							
20002	3990							
20003	9880							
20004	700							
20005	6200							

Soils

0130475	30	1.0	500	2			89	316
0130476	40	0.9	200	4			47	248
0130477	30	0.7	>1000	<2			26	167
0130478	70	0.9	>1000	<2			24	100
0130479	30	0.4	450	2			22	260
0130480	75	0.8	400	2			50	295
0130481	55	0.5	230	<2			16	93
0130482	130	0.7	400	<2			48	151
0130483	75	0.6	180	4			34	90
0130484	40	0.2	90	4			26	105
0130485	120	0.8	120	2			18	38
0130486	320	2.2	>1000	<2			360	137
0130487	115	0.6	330	2			46	95
0130488	85	0.8	160	<2			28	133
0130489	350	0.3	400	3			66	70
0130490	1040	0.4	550	4			70	82
0130491	165	0.8	450	4			80	123
0130492	120	0.3	130	4			26	77
0130493	70	0.8	450	50			72	135
0130494	265	0.5	65	<2			22	88
0130495	120	0.6	80	4			16	80

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0130496	60	0.9	50	2			11	43
0130497	25	0.9	37	<2			43	11
0130498	10	0.2	55	<2			10	43
0130499	15	0.5	50	2			9	31
0130500	20	0.5	40	6				
0130501	35	0.4	40	4				
0130502	30	0.4	21	2				
0130503	<5	0.4	20	<2				
0130504	15	0.2	21	<2				
0130505	35	0.4	22	<2				
0130506	15	0.4	15	<2				
0130507	50	0.3	15	<2				
0130508	20	0.2	13	2				
0130509	15	0.4	20	<2				
0130510	25	0.2	11	4				
0130511	45	0.2	30	4				
0130512	5	0.2	13	<2				
0130513	40	0.3	40	2				
0130514	<5	0.3	7	<2				
0130515	35	0.3	40	2				
0130516	5	0.4	15	<2				
0130517	15	0.5	26	2				
0130518	25	0.6	22	<2				
0130519	35	0.3	37	4				
0130520	25	0.5	25	8				
0130521	30	0.4	31	2				
0130522	25	0.4	25	<2				
0130523	70	0.6	30	2				
0130524	25	0.5	25	2				

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0130525	25	0.6	25	4				
0130526	35	0.5	30	4				
0130527	45	0.3	31	4				
0130528	40	0.3	30	3				
0130529	25	0.3	27	3				
0130530	25	0.4	35	2				
0130531	35	0.2	40	2				
0130532	10	0.4	40	2				
0130533	75	0.2	57	6				
0130534	10	0.4	32	3	26			
0130535	<5	0.2	37	6	20			
0130536	<5	0.2	30	10	16			
0130537	30	0.5	32	70	32			
0130538	10	0.6	31	8	18			
0130539	<5	0.4	25	4	7			
0130540	5	0.5	10	4	7			
0130541	10	0.4	20	4	12			
0130542	<5	0.3	13	6	6			
0130543	<5	0.7	12	2	5			
0130544	<5	0.4	12	2	6			
0130545	<5	0.5	11	4	5			
0130546	IS	0.4	11	2	2			
0130547	50	0.7	15	IS	8			
0130548	20	0.5	12	3	4			
0130549	30	1.0	20	2	7			
0130550	20	1.1	35	<2	7			
0130551	20	2.1	37	2	7			
0130552	100	0.4	80	8	3			
0130553	70	0.5	50	<2	5			

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0130554	<25	0.4	30	2	4			
0130555	20	0.7	130	<2	3			
0130556	55	0.4	170	<2	7			
0130557	70	0.5	160	2	7			
0130558	25	0.2	22	2	4			
0130559	15	0.3	17	2	4			
0130560	50	0.5	67	2	9			
0130933	5	0.5	36					
0130934	10	0.2	176					
0130935	5	0.3	35					
0130936	10	0.7	56					
0130937	10	0.7	74					
0130938	5	0.8	55					
0130939	15	0.5	43					
0130940	30	1.0	77					
0130941	25	1.0	58					
0130942	210	1.0	70					
0130943	115	0.9	49					
0130944	15	0.4	76					
0130945	30	0.5	56					
0130946	55	1.0	77					
0130947	25	0.8	58					
0130948	25	0.8	132					
0130949	15	0.7	45					
0130950	15	0.9	44					
0130951	35	0.5	37					
0130952	5	0.6	28					
0130953	15	0.7	45					
0130954	<5	0.4	36					

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0130955	20	0.5	56					
0130956	5	0.4	35					
0130957	15	0.6	39					
0130958	10	0.5	43					
0130959	10	0.4	28					
0130960	5	0.6	41					
0130961	5	0.5	42					
0130962	5	0.8	23					
0130963	10	0.7	32					
0130964	10	0.7	26					
0130965	5	0.4	22					
0130966	15	0.5	<2					
0130967	<5	0.4	13					
0130968	20	0.3	34					
0130969	20	0.5	38					
0130970	30	0.6	35					
0130971	125	1.0	35					
0130972	15	0.9	<2					
0130973	10	1.2	68					
0130974	5	0.7	38					
0130975	35	0.6	56					
0130976	45	0.4	67					
0130977	<5	0.4	17					
0130978	5	0.6	23					
0130979	5	0.4	6					
0130980	15	0.4	31					
0130981	25	0.3	43					
0130982	<5	1.5	IS					
0130983	10	.6	40					

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0130984	<5	0.5	13					
0130985	<5	0.3	12					
0130986	5	0.3	18					
0130987	<5	0.4	10					
0130988	<5	0.4	14					
0130989	5	0.4	25					
0130990	10	0.5	28					
0130991	10	0.5	139					
0130992	10	0.4	13					
0130993	10	0.7	35					
0130994	35	0.7	57					
0130995	10	1.0	54					
0130996	10	0.8	60					
0130997	10	0.6	29					
0130998	<5	0.5	20					
0130999	10	0.5	16					
0131000	25	1.1	280				24	135
0131001	45	0.8	700				37	75
0131002	20	0.8	200				32	100
0131003	20	0.6	290				32	175
0131004	320	1.2	300				46	212
0131005	25	0.9	400				32	220
0131006	80	0.8	150				42	257
0131007	25	0.8	170				30	200
0131008	25	0.7	270				38	130
0131009	20	1.2	95				36	92
0131010	15	0.9	180				73	128
0131011	20	0.7	300				53	195
0131012	35	0.8	200				46	95

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131013	15	0.3	95				46	171
0131014	25	0.6	170				44	145
0131015	75	0.6	210				28	116
0131016	15	0.7	100				30	103
0131017	10	0.4	250				26	90
0131018	15	0.3	400				18	55
0131019	15	0.7	180				24	118
0131020	5	0.4	80				22	75
0131021	5	0.5	65				22	55
0131022	15	0.7	290				22	109
0131023	10	0.8	110				21	88
0131024	10	0.5	72				19	75
0131025	5	0.5	60				21	79
0131026	5	0.5	13				12	31
0131027	35	1.0	450	<2			34	
0131028	20	0.8	270	<2			21	
0131029	30	0.6	500	<2			26	
0131030	25	0.3	>1000	<2			16	
0131031	50	0.7	450	<2			30	
0131032	65	0.5	>1000	8			21	
0131033	40	0.4	>1000	<2			26	
0131034	15	0.3	280	<2			25	
0131035	35	0.7	700	<2			26	
0131036	30	0.3	160	<2			22	
0131037	15	0.4	65	<2			36	
0131038	5	0.5	120	<2			7	
0131039	10	0.6	240	<2			15	
0131040	25	0.5	300	<2			18	
0131041	5	0.4	260	<2			15	

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131042	10	0.5	250	<2			13	
0131043	5	0.5	170	<2			21	
0131044	10	1.1	550	2			36	
0131045	10	0.2	90	<2			16	
0131046	10	0.2	25	<2			21	
0131047	<5	0.4	25	<2			13	
0131048	10	0.7	65	<2			32	
0131049	<5	0.2	400	<2			27	
0131050	10	0.3	90	2			26	
0131051	<5	0.4	160	<2			173	
0131052	10	1.3	>1000	<2			180	
0131053	10	0.5	105	<2			20	
0131054	40	0.9	320	<2			30	
0131055	5	0.3	300	<2			42	
0131056	10	0.8	200	4			90	
0131057	40	0.7	400	3			34	
0131058	20	0.6	40	2			14	
0131059	30	0.2	120	2			46	
0131060	35	0.8	650	<2			76	
0131061	35	0.5	240	4			68	
0131062	25	0.2	170	6			28	
0131063	30	0.4	250	4			116	
0131064	35	0.5	140	4			44	
0131065	40	0.8	62	4			31	
0131066	40	1.8	42	2			31	
0131067	35	0.4	135	3			39	
0131068	35	2.0	78	3			41	
0131069	35	1.6	90	8			57	
0131070	100	0.9	72	2			35	

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131071		0.3	65	<2			44	
0131072		0.4	42	5			32	
0131073		0.2	32	<2			26	
0131074		0.6	105	2			41	
0131075		0.8	50	8			38	
0131076		0.8	65	2			44	
0131077	60	0.5	110	4			41	
0131078		0.3	35	<2			12	
0131079		0.9	105	6			56	
0131080	<5	0.2	15	2			29	
0131081	<20	0.2	21	2			17	
0131082	35	0.2	72	6			56	
0131083	10	0.3	50	2			56	
0131084	30	0.5	125	<2			77	
0131085	55	1.1	600	2			152	
0131086	75	0.5	400	<2			58	
0131087	70	0.4	260	<2			71	
0131088	35	0.3	170	<2			25	
0131089	45	0.3	100	<2			22	
0131090	35	0.2	85	<2			10	
0131091	25	0.1	17	2			27	
0131092	<15	0.1	45	2			22	
0131093	10	0.2	72	2			27	
0131094	10	0.3	250	2			101	
0131095	20	1.0	>1000	2			226	
0131096	<5	0.2	340	4			57	
0131097	10	0.3	340	2			38	
0131098	15	0.2	400	3			56	
0131099	5	0.2	50	2			25	

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131100	230	0.8	65	<2	13.0	44		
0131101	25	0.5	21	<2	14.5	40		
0131102	30	0.4	20	<2	20.0	28		
0131103	50	0.1	40	<2	24.0	26		
0131104	30	0.3	35	<2	27.0	36		
0131105	155	0.2	32	20	3.6	36		
0131106	80	0.6	230	3	9.5	58		
0131107	120	0.5	150	<2	54.0	42		
0131108	120	0.7	130	2	40.0	56		
0131109	120	0.4	200	6	44.0	40		
0131110	30	0.8	200	<2	58.0	25		
0131111	35	0.7	170	2	42.0	19		
0131112	185	0.9	160	<2	39.0	45		
0131113	35	0.3	80	<2	33.0	18		
0131114	445	0.4	52	<2	44.0	20		
0131115	200	0.4	25	20	31.0	9		
0131116	495	0.6	100	20	28.0	39		
0131117	130	0.4	85	16	46.0	21		
0131118	25	1.2	340	8	66.0	4		
0131119	20	1.8	800	8	91.0	4		
0131120	10	0.4	80	16	126.0	4		
0131121	<5	0.3	22	2	93.0	4		
0131122	20	0.7	105	12	49.0	4		
0131123	5	0.6	105	6	47.0	4		
0131124	5	0.8	200	2	37.0	4		
0131125	5	0.6	25	4	74.0	14		
0131126	<5	0.4	12	6	45.0	6		
0131127	25	0.4	75	14	32.0	4		
0131128	120	0.6	120	60	32.0	10		

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131129	35	0.2	125	16	29.0	6		
0131130	<5	0.1	40	4	19.9	4		
0131131	<5	0.2	35	3	15.4	11		
0131132	<5	0.3	40	6	28.0	13		
0131133	<5	0.2	35	10	14.1	2		
0131134	<5	<0.1	25	4	19.7	3		
0131135	<5	0.4	82	4	16.0	4		
0131136	<5	0.3	42	2	10.7	4		
0131137	65	0.2	82	36	43.0	6		
0131138	<5	0.3	23	10	21.0	5		
0131139	<5	0.1	7	55	48.0	3		
0131140	<5	0.2	6	700	19.5	3		
0131141	<5	0.2	11	6	36.0	2		
0131142	<5	0.1	13	4	27.0	4		
0131143	<5	0.3	25	<2	7.7	8		
0131144	150	0.1	11	4	16.4	6		
0131145	<5	0.1	21	2	28.0	6		
0131146	<5	0.2	20	2	51.0	4		
0131147	<5	0.1	23	<2	48.0	3		
0131148	<5	0.3	45	2	60.0	4		
0131149	<5	0.4	85	12	147.0	6		
0131150	155	0.5	230	6	52.0	15		
0131151	<5	0.2	23	3	66.0	2		
0131152	20	0.4	110	4	0.1			
0131153	15	0.2	72	<2	0.9			
0131154	20	0.5	105	<2	1.5			
0131155	10	0.1	36	36	0.6			
0131156	20	0.9	160	<2	0.8			
0131157	55	0.5	125	<2	1.2			

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131158	10	0.6	100	<2	0.4			
0131159	40	0.4	145	<2	1.5			
0131160	20	0.4	220	<2	3.0			
0131161	10	0.4	110	2	2.0			
0131162	30	0.5	360	<2	2.3			
0131163	<5	0.2	8	<2	1.0			
0131164	25	1.4	>1000	<2	1.6			
0131165	30	1.5	350	<2	0.8			
0131166	20	0.6	500	<2	1.1			
0131167	25	0.2	55	2	1.8			
0131168	45	0.2	35	14	6.0			
0131169	5	0.3	26	<2	0.8			
0131170	25	0.2	40	2	9.7			
0131171 A	10	0.2	20	<2	4.4			
0131171 B	10	0.3	42	2	9.4			
0131172	95	0.1	22	2	13.1			
0131173	5	0.3	50	8	5.8			
0131174	10	0.5	55	2	28.0			
0131175	15	0.5	85	10	8.5			
0131176	<5	.2	1100		27.0	8		
0131177	<5	.2	17		13.2	10		
0131178	<5	.3	9		16.1	8		
0131179	10	.3	16		23.0	6		
0131180	45	1.2	270		47.0	46		
0131181	30	.5	245		32	6		
0131182	15	.1	82		28	8		
0131183	10	.2	116		24	10		
0131184	10	.4	82		17.1	12		
0131185	<5	.7	52		32	8		

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131186	5	.3	79		43	10		
0131187	<5	.7	42		18.9	8		
0131188	<5	.2	49		15.3	6		
0131189	<5	.1	33		28.0	12		
0131190	10	.1	14		33.0	8		
0131191	<5	.1	13		9.6	4		
0131200	15	0.2	40	<2			17	
0131201	10	0.2	50	<2			23	
0131202	5	0.2	55	<2			140	
0131203	40	0.2	210	2		8	45	67
0131204	35	0.3	340	2		8	31	60
0131205	165	0.6	>1000	4		62	153	185
0131206	10	0.2	450	<2		4	48	100
0131207	10	0.1	170	<2		4	26	70
0131208	10	0.2	120	<2		4	22	68
0131209	<20	1.5	450	<2	0.8	6		
0131210	25	0.7	190	2	4.8	4		
0131211	<5	0.2	45	<2	0.1	8		
0131212	<5	0.2	52	2	0.8	6		
0131213	15	0.3	260	<2	1.5	6		
0131214	25	1.1	160	6	4.5	4		
0131215	<5	0.4	100	<2	1.5	6		
0131216	50	0.6	230	<2	0.1	4		
0131217	45	0.4	42	2	1.8	8		
0131218	20	0.6	40	<2	1.6	6		
0131219	515	1.7	>1000	2	2.6	78		
0131220	<5	0.7	60	2	1.4	4		
0131221	10	0.6	62	<2	0.8	10		
0131222	<5	0.6	40	<2	1.0	8		

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131223	15	0.6	38	<2	1.3	4		
0131224	<5	0.4	52	2	0.6	6		
0131225	<5	0.2	27	<2	0.2	16		
0131226	10	0.4	35	4	1.4	6		
0131227	20	0.3	200	16	0.5	32		
0131228	5	0.3	160	4	0.9	12		
0131229	<5	0.5	62	2	0.9	4		
0131500	<5	.6	65			10		
0131501	10	.5	857			8		
0131502	55	.3	464			12		
0131503	10	.4	272			8		
0131504	5	.4	224			6		
0131505	10	.5	134			4		
0131506	40	.3	232			8		
0131507	15	.4	64			4		
0131508		.8	120			10		
0131509	20	.6	64			8		
0131510	10	.6	41			6		
0131511	20	.5	45			4		
0131512	30	.2	54			6		
0131513	10	.3	155			8		
0131514	10	.6	57			4		
0131515	10	.6	19			8		
0131516	10	.4	34			4		
0131517	15	.4	43			8		
0131518	5	.5	41			10		
0131519	10	.7	39			14		
0131520	<5	.8	43			6		
0131521	5	.5	472			8		

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131522	15	.6	280			8		
0131523	20	.3	IS			10		
0131524	<5	.4	23			8		
0131525	10	.5	12			10		
0131526	5	.4	27			8		
0131527	5	.5	23			8		
0131528	20	.1	80			10		
0131529	30	.3	61			8		
0131530	10	.4	39			10		
0131531	10	.5	35			8		
0131532	15	.2	224			8		
0131533	5	.3	54			6		
0131534	5	.4	200			16		
0131535	<5	.3	192			10		
0131536	5	.3	184			10		
0131537	10	.5	112			8		
0131538	45	.6	92			4		
0131539	30	.3	58			8		
0131540	20	.3	IS			8		
0131541	20	.4	66			10		
0131542	65	.5	59			8		
0131543	10	.4	82			10		
0131544	15	.5	65			6		
0131545	25	.2	128			8		
0131546	20	.9	46			8		
0131600	5	.5	19					
0131601	10	.7	34					
0131602	10	.6	44					
0131603	10	1.2	51					

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131604	10	.9	49					
0131605	15	.7	49					
0131606	35	.8	48					
0131607	15	.7	53					
0131608	5	.5	56					
0131609	15	.7	15					
0131610	<5	.6	36					
0131611	10	.7	42					
0131612	5	.7	33					
0131613	5	.6	34					
0131614	10	.4	43					
0131615	10	.8	45					
0131616	10	.8	50					
0131617	10	.7	52					
0131618	15	.6	55					
0131619	10	.5	53					
0131620	25	.8	61					
0131621	20	.7	36					
0131622	5	.8	54					
0131623	15	1.0	59					
0131624	40	1.2	54					
0131625	10	.8	61					
0131626	<5	.9	64					
0131627	45	.7	76					
0131628	10	.8	61					
0131629	10	.6	39					
0131630	10	.7	51					
0131631	10	.8	55					
0131632	10	.9	48					

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131633	10	1.0	60					
0131634	5	1.2	45					
0131635	10	.9	51					
0131636	5	.7	38					
0131637	5	.6	32					
0131638	<5	.7	45					
0131639	<5	.4	17					
0131640	<5	.5	18					
0131641	5	.6	16					
0131642	15	.5	20					
0131643	15	.3	22					
0131644	10	.4	19					
0131645	20	.4	20					
0131646	15	.3	10					
0131647	<5	.5	11					
0131648	10	.6	19					
0131649	10	.4	36					
0131650	<5	.5	19					
0131651	10	.6	49					
0131652	15	0.8	79					
0131653	10	0.7	73					
0131654	10	1.0	90					
0131655		0.8	78					
0131656	10	0.7	76					
0131657	25	0.6	88					
0131658	10	0.6	83					
0131659	15	0.6	90					
0131660	10	1.2	75					
0131661	15	1.2	82					

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131662	20	0.8	80					
0131663	25	1.0	85					
0131664	15	0.7	169					
0131665		0.1	203					
0131666	15	0.4	191					
0131667	10	0.6	97					
0131668	10	0.3	109					
0131669	10	0.3	122					
0131670	5	0.2	61					
0131671		0.2	41					
0131672	5	0.2	71					
0131673	5	0.4	44					
0131674	10	0.3	44					
0131675	10	0.2	59					
0131676	10	0.5	62					
0131677	<5	0.3	29					
0131678	5	0.3	48					
0131679	10	0.3	55					
0131680	10	0.3	91					
0131681	20	0.2	42					
0131682	15	0.3	78					
0131683	10	0.2	35					
0131684	15	0.2	75					
0131685	65	0.3	1789					
0131686	1120	5.0	>2000					
0131687	30	0.4	834					
0131688	15	0.3	428					
0131689	60	0.2	1100					
0131690	15	0.3	203					

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131691	755	0.3	594					
0131692	15	0.1	283					
0131693	15	0.5	412					
0131694	175	0.7	1175					
0131695	15	0.2	693					
0131696	15	0.2	161					
0131697	10	0.3	71					
0131698	20	0.4	114					
0131699	15	0.3	106					
0131700	15	0.3	104					
0131701	15	0.3	101					
0131702	10	0.2	106					
0131703	5	0.2	89					
0131704	25	0.4	91					
0131705	15	0.4	67					
0131706	10	0.7	90					
0131707	15	0.4	193					
0131708	15	0.4	79					
0131709	20	0.4	79					
0131710	20	0.5	176					
0131711	85	0.6	639					
0131712	70	0.4	159					
0131713	15	0.3	186					
0131714	95	0.4	198					
0131715	15	0.2	89					
0131716	15	0.3	112					
0131717	15	0.5	96					
0131718	<5	0.2	231					
0131719	15	0.3	119					

SUN CLAIMS: ANALYTICAL RESULTS (Con't)

<u>Sample Number</u>	<u>Au</u>	<u>Ag</u>	<u>As</u>	<u>W</u>	<u>U</u>	<u>Bi</u>	<u>Pb</u>	<u>Zn</u>
<u>Soils</u>								
0131720	10	0.2	63					
0131721	20	0.2	65					
0131722	20	0.4	55					
0131723	20	0.9	61					
0131724	15	0.3	51					
0131725	10	0.2	45					
0131726	10	0.6	46					
0131727	10	0.3	48					
0131728	<5	0.1	32					
0131729	<5	0.2	21					
0131730	<5	0.4	50					
0131731	<5	0.6	5					
0131732	<5	0.3	36					
0131733	5	0.2	36					
0131734	5	0.3	95					
0131735	10	0.1	32					
0131736	15	0.2	42					
0131737	15	0.2	62					
0131738	10	0.2	42					

2. Helicopter Costs

a) June 26 to July 29 and August 5 to August 23 - Hughes 500 D on contract from Canwest Aviation, Okotoks, Alberta

12.8 hours @ \$450 per hour	\$	5,760.00
plus fuel at 25 gallons/hour @ \$2.77/gallon		886.40

b) August 3 to August 5 - Hughes 500 D on casual charter from Terr-Air Rotary Helicopters, Ross River

1.3 hours @ \$500 per hour	\$	650.00
plus fuel at 25 gallons/hour @ \$2.77/gallon		<u>900.00</u>

Total Helicopter Costs for SUN Claims 1-139	\$	7,386.40
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3. Mobilization Costs - Mobilization and Demobilization was carried out using Twin Otter and Pilatus Porter aircraft from Nahanni Air in Ross River and Norman Wells and a Hughes 500 D helicopter on contract from Canwest Aviation in Okotoks, Alberta.

Total costs and mobilization and demobilization was \$22,277.10 of which 2/3 (\$14,702.90) is applied to the Emerald Lake property, 139/304 (total number of SUN claims over total number of claims on Emerald Lake property) x \$14,702.90 applies to the SUN Claims.

Total mobilization and demobilization costs for the SUN claims	\$	<u>6,722.70</u>
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4. Labour Costs

R. Robertson Senior Geologist, 1 day @ \$170/day	\$	170.00
T. Garagan, Project Geologist, field 2.5 days @ \$110/day		275.00
T. Garagan, Project Geologist, office 2 days @ \$100/day		200.00
L. Lalonde, Senior Assistant, 4 days @ \$87/day		348.00
S. Seto, Senior Assistant, 4 days @ \$87/day		348.00
J. O'Connor, Intermediate Assistant, 13 days @ \$80/day		1,040.00
J. Wegenast, Intermediate Assistant, 4 days @ \$75/day		300.00

K. Dieckman, Intermediate Assistant, 5 days @ \$75/day	375.00
S. Corden, Intermediate Assistant, 2 days @ \$75/day	150.00
C. Evert, Intermediate Assistant, 1 day @ \$80/day	80.00
G. Brown, Junior Assistant, 2 days @ \$58/day	116.00
C. Beatty, Junior Assistant, 4 days @ \$55/day	<u>220.00</u>

Total Labour Costs for the SUN 1-139 claims \$ 3,622.00

5. Contract Labour Costs

4 mountaineers on contract from Bema Industries, Langley, B.C. did rock sampling for 1 day @ \$860/day	\$ 860.00
plus rental of climbing equipment @ \$50/day	<u>50.00</u>

Total Contract Labour Costs for SUN 1-139 claims \$ 910.00

6. Food Costs - Estimated at \$20/manday
46.5 mandays for SUN 1-139 claims \$ 930.00

TOTAL COSTS OF SURFACE WORK ON THE SUN 1-139 CLAIMS
FOR ASSESSMENT PURPOSES \$28,664.75

APPENDIX D

STATEMENT OF QUALIFICATIONS

I, THOMAS GARAGAN, of the City of Calgary, in the Province of Alberta, hereby certify:

That I am a geologist employed by Agip Canada Ltd. and that I caused to be performed the work described in this report.

That I obtained a Bachelor of Science degree with Honours in Geology from the University of Ottawa, Ontario in 1980.

That I have been engaged in mineral exploration and geological survey mapping on a full and part-time basis for six years of which three have been on mineral exploration programs in the Yukon Territory.

That I am an associate member of the Geological Association of Canada and the Mineralogical Association of Canada.

Signed at Calgary, Alberta, this 20th day of January, A.D., 1983.



THOMAS GARAGAN

LEGEND

CRETACEOUS

2 Emerald Lake intrusion-syenite

LOWER PALEOZOIC

1 Shale, chert, cherty mudstone, sandstone, minor conglomerate, mudstone
la - skarn

SYMBOLS

--- Geological contact (approximate, assumed)

--- Claim block boundary

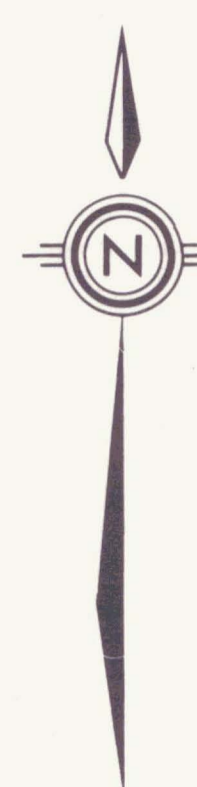
• Soil Sample location

• Heavy Mineral Concentrate

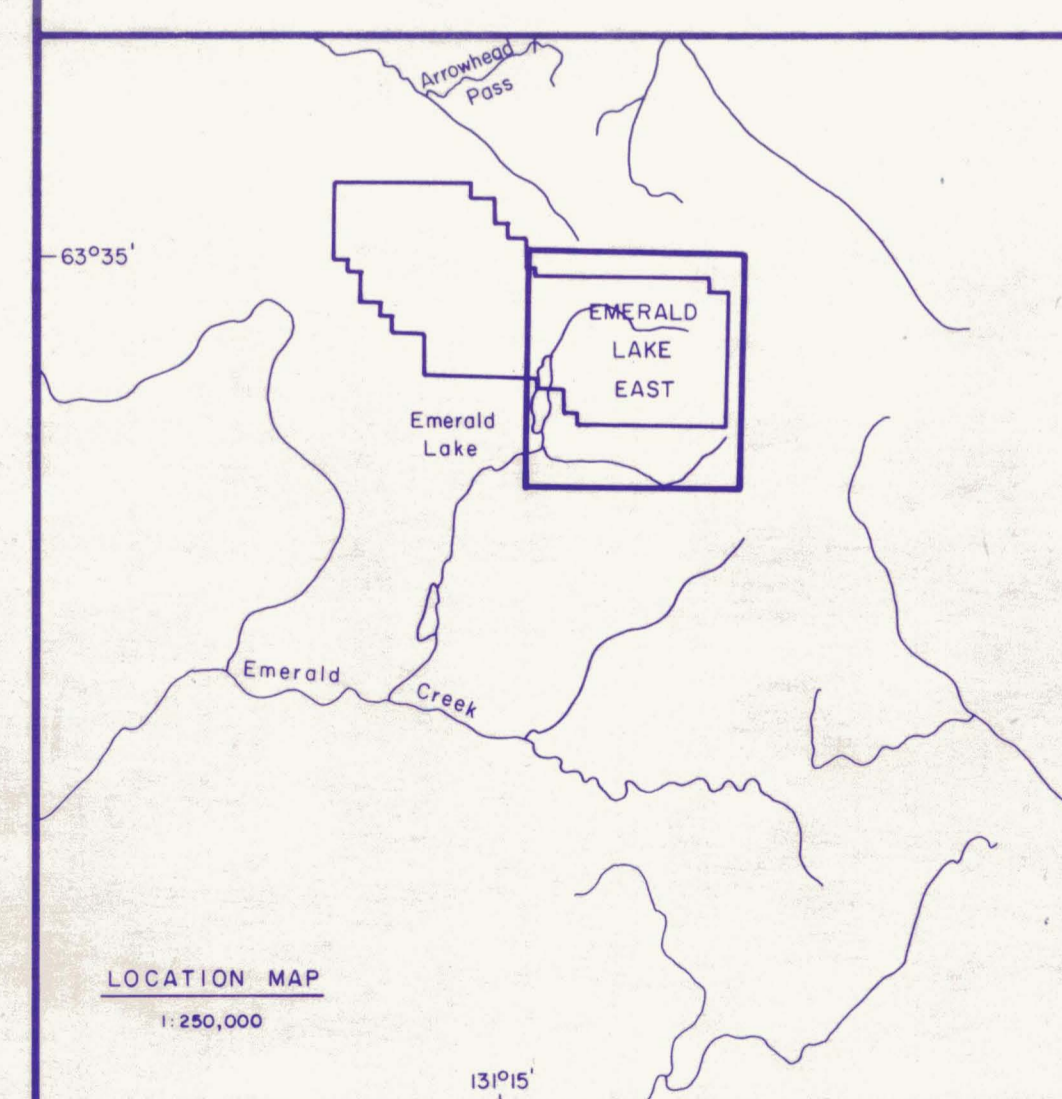
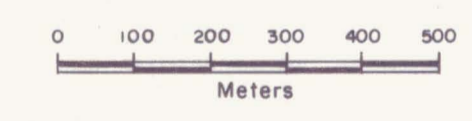
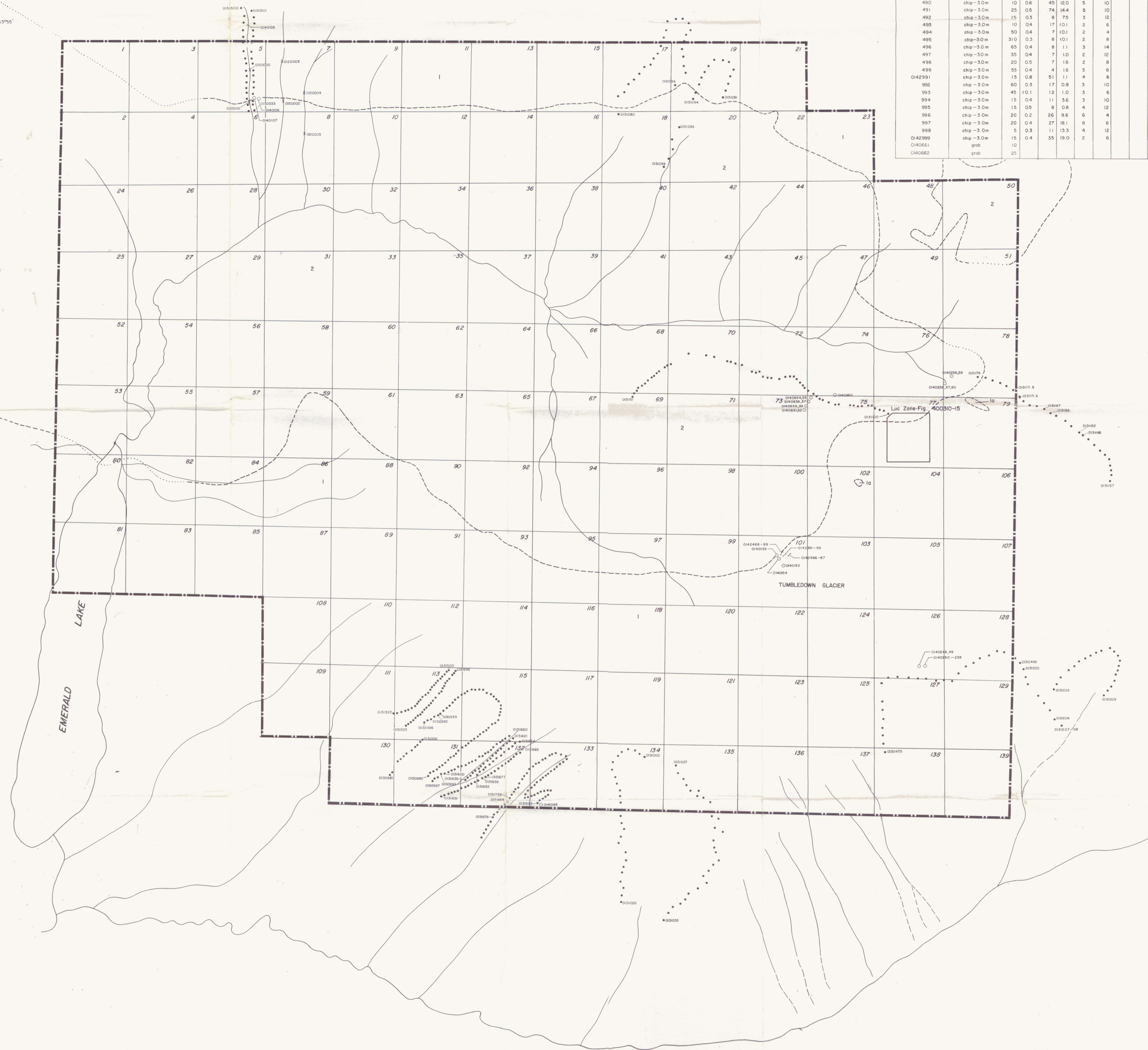
○ Rock Grab Sample

○ Rock Chip Sample

All values in ppm, except Au and Hg which are ppb, unless otherwise noted.



ROCK GEOCHEMISTRY										
Sample Number	Sample Type and Interval (m)	Au	Ag	As	U	Mo	Bi	W	Hg	
0140105	chip-15m	5	0.6							(2)
106	grab	15	0.5							
107	grab	15	0.3							
0140153	grab	35	0.3							10
154	grab	45	0.4							10
155	grab	270	1.6		11000					10
165	grab	1220	5.5		12000					
0140248	grab	1720								12
249	grab	345								14
250	grab	525	1.6		11000					8
251	grab	225	0.7		11000					4100
252	grab	13.7	22.0		11000					130
253	grab	0.9			11000					7000
254	grab	185	0.4		11000					2200
255	grab	14.9	0.6		11000					1.6%
256	grab	0.5	0.5							
257	grab	10	0.8							
258	grab	15	0.7							
259	grab	15	0.8							
260	grab	15	1.3							
0140654	grab	15								
655	grab	15								
656	grab	15								
657	grab	40								
658	grab	70								
659	grab	20								
660	grab	225								
0142486	chip-3.0m	20	0.4		97	2.4	2	8		
487	chip-3.0m	75	0.3		3	2.0	2	6		
488	chip-3.0m	10	0.4		7	4.5	3	12		
489	chip-3.0m	20	0.5		4	4.5	3	8		
490	chip-3.0m	10	0.6		45	12.0	5	10		
491	chip-3.0m	25	0.5		74	14.4	5	10		
492	chip-3.0m	15	0.3		8	7.5	3	12		
493	chip-3.0m	10	0.4		17	10.1	2	6		
494	chip-3.0m	80	0.4		7	10.1	2	4		
495	chip-3.0m	310	0.3		8	10.1	2	8		
496	chip-3.0m	65	0.4		8	11	3	14		
497	chip-3.0m	55	0.4		7	10	2	12		
498	chip-3.0m	20	0.5		7	1.6	2	8		
499	chip-3.0m	55	0.4		4	1.6	3	8		
0142991	chip-3.0m	15	0.8		51	11.1	4	6		
992	chip-3.0m	60	0.5		17	0.8	3	10		
993	chip-3.0m	45	0.1		12	1.0	3	6		
994	chip-3.0m	15	0.4		11	3.6	3	10		
995	chip-3.0m	15	0.5		8	0.8	4	12		
996	chip-3.0m	20	0.2		26	3.6	6	4		
997	chip-3.0m	20	0.4		27	18.1	8	6		
998	chip-3.0m	5	0.3		11	13.3	4	12		
0142999	chip-3.0m	15	0.4		35	19.0	2	6		
0140651	grab	10								
0140662	grab	25								



AGIP CANADA LTD.

EMERALD LAKE - EAST

GEOCHEMISTRY

091430

YUKON

SCALE: 1:10,000 AUTHOR: T.G. DATE: December, 1982

DRAWN BY: J.B. N.T.S. FIGURE: 2