SUMMARY REPORT

GRASSROOTS PROSPECTING PROGRAM

STRAWBERRY LAKE AREA
NTS 105-C-01
WATSON LAKE MINING DISTRICT
YUKON TERRITORY

For: YMIP Geology Branch
Economic Development
Government of Yukon

By: Michael Glynn
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INTRODUCTION

This project was made possible by the Yukon Mining Incentives Program as administered by the Geology Branch of Economic Development, Government of Yukon. The author gratefully acknowledges the technical and financial contributions this program, and the Geology Branch, offers to prospectors and Mining in the Yukon.

LOCATION

The area prospected is in the Watson Lake Mining District NTS map 105-C-01 at Lat: 60 07 00 Long: 132 12 00 in the southern Yukon.
Strawberry Lake lies 10 kilometres directly north of the Alaska Highway, 46 road kilometres east of the Village of Teslin. Strawberry Creek flows from the west end of the Lake in a southwesterly direction,crosses the Alaska Highway, draining into the Morley River.

ACCESS

Floatplane charters are available from the Teslin float base 35 kilometres west of Strawberry Lake. Coyote Air provides charter floatplane services from their Teslin Lake base at Fox Point, approximately 45 kilometres west of Strawberry Lake.

Trans North sporadically stations a helicopter at the Teslin Airport during the summer months. Alternate helicopter access is possible from Whitehorse, approximately 175 kilometres west of Strawberry Lake, or from Watson Lake 195 kilometres to the east.

TOPOGRAPHY AND VEGETATION

The hills north of Strawberry Lake (elev.3350 ft.) rise moderately to elevations of 4400 feet. Mount Morley rises steeply from the southern shore of the lake to a summit elevation of 5030 feet.
Much of this slope, at and above tree line, is covered by large blocky talus.

Slopes are predominantly covered with thick growths of Alpine Balsam and Slide Alder. Some stands of large White Spruce occur on flat areas adjacent to the Lake shore and on some south and east facing slopes.

Tree line is generally at 4500 feet.

All but the summit of Mount Morley displays affects of past glacial cover. With the exception of steeper slopes, elevations below 3900 feet are generally covered by glacial till and/or outwash overburden of various depths.

REGIONAL GEOLOGY

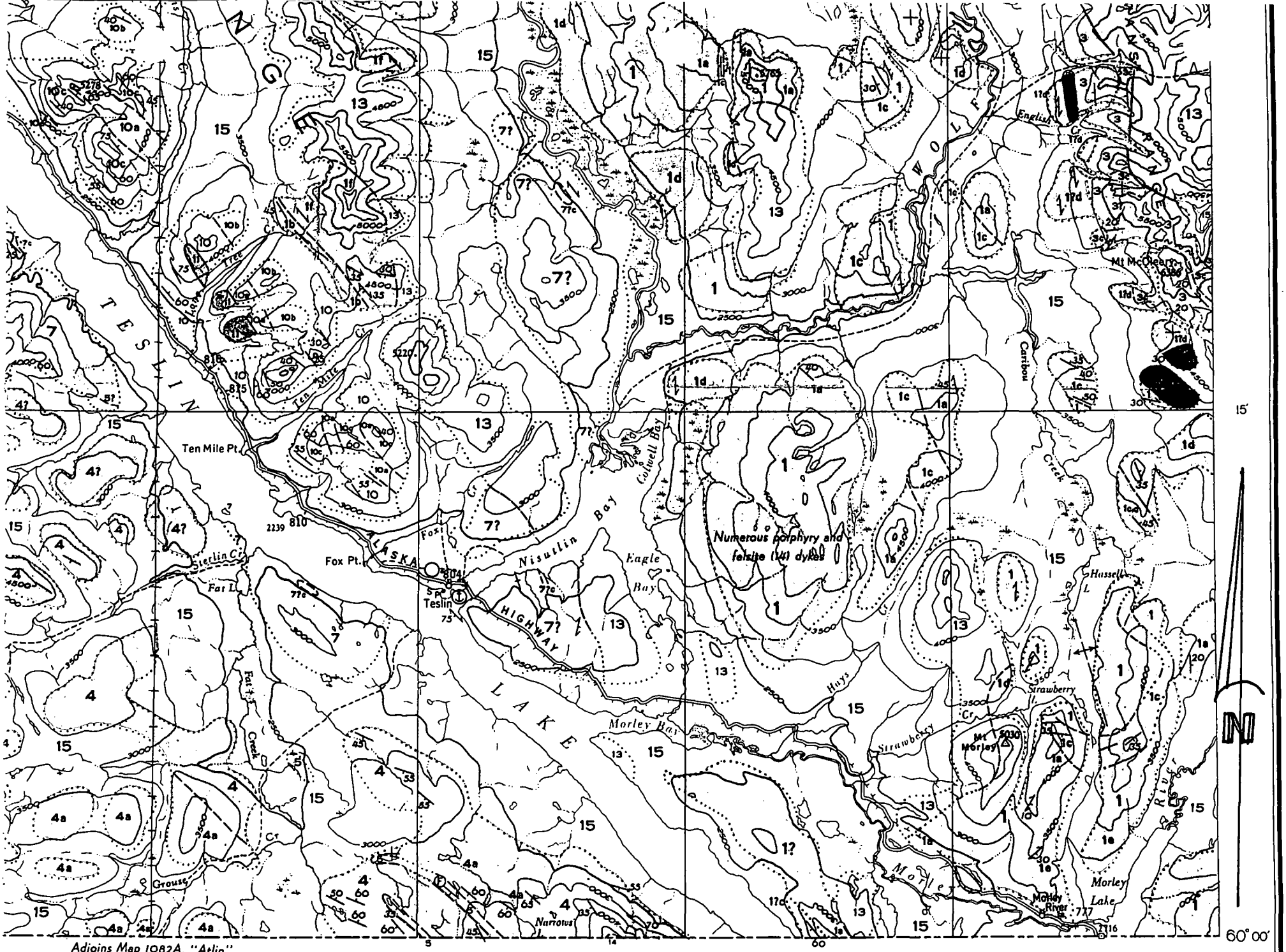
This general area, as described by R. Mulligan (GSC Mem 326), is underlain by Missippiain and earlier metamorphic rocks of sedimentary and subaqueous volcanic origin - referred to as the Big Salmon Complex. The tectonic setting of these rocks places them in the accreted Yukon Tannana Terrane.

A mid Cretaceous coast intrusion of Granodiorite out crops west and north of Strawberry Lake in contact with the Big Salmon Complex meta-seds and "Green stones".

Three kilometres east of Strawberry Lake lies the northwest dipping axis of a regional anticline occurring within the Big Salmon Complex meta-seds.

Numerous felsic and porphyry dykes in Big Salmon Complex schist, gneiss, greenstone and limestones occur 15 kilometres northwest of the area of interest.

A detailed report of geology witin the area of interest is contained under the heading: Prospecting program.



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PROSPECTING PROGRAM

Seven days were spent prospecting, employing a canoe and the efforts of two persons, Michael Glynn and Dave Sufady. A total of 13 rock, 9 soil, and 2 stream sediment samples were collected and submitted for assay.

The field program commenced on June 03/98, with a floatplane charter to Strawberry Lake provided by Coyote Air Services of Teslin, Yukon. Camp was established on the peninsula along the south shore of the lake.

A traverse along the south shore of the Lake investigating float and glacial drift rocks was executed to determine the affects of past glacial activity.
Along the shore, west of camp, below the steeper slope of Mount Morley locally derived float/slide rocks were observed over lying well rounded cobbles/gravels, and silts/clays of glacial origin. The remainder of the Lake shore is alluvial materials with the odd slide boulder along the northwest portion of the shore.

Both of the creeks entering Strawberry Lake from the south display typical fan delta characteristics and banks are composed of glacial derived alluvial materials.

EAST OF CAMP

Between one and two and a half kilometres east of camp a sequence of mainly south dipping quartzite, quartz rich mica schists, and gneiss was encountered along the north and northeast facing slopes.
In this area the quartzite is generally dark coloured and fine grained. At some locations multi stage re-sillicifcation has occurred and darker "quartz eyes" are common. Perhaps this contributes to the dark colour. Rare grading of quartzite to very fine grained gneiss was observed.

Mica schists, occasional chloritic, with frequent quartz rich horizons closely resemble the more competent nematoblastic gneiss found close by. This suggests higher grade metamorphic affects occurred during various episodes and /or were limited to the more permeable horizons along bedding planes. At many locations fresher quartz fills quartz mica schist partings and contains sulphide mineralization consisting of chalcopyrite, pyrite, sphalerite and to a lesser degree arsenopyrite and galena.

Three rock samples were collected from this area, two of which were submitted for assay.(MB01, MB02)

SOUTH OF CAMP

Large blocky talus consisting of variably textured gneiss and epidote amphibole cover the north facing slope of Mount Morley. Out crops are rare at elevations below 4500 feet. Three float rock samples containing sulphide mineralization were collected from talus, near the north flowing stream, at elevations between 4000 and 4500 feet. Two stream sediment and three soil samples were taken in the area.

Traverses on the alpine plateau southwest and west of Mount Morley summit encountered several mineralized bull quartz veins in chloritic epidote amphibole. Two samples of this vein material (MB14/15) submitted for assay returned values of up to 12 ppb Au, 1.2 ppm Ag, 157 ppm Cu and 135 ppm Zn. Three soil samples were also collected in this general vicinity.

Attempts to locate granitic intrusions and contact margins were thwarted by a continuous blanket of glacial debris on the west flank of the alpine plateau area. Further side hill traverses of the talus covering the northwest facing slope failed to encounter any granitic rocks, however an increase of schistosity, fractures and iron oxide content in epidote amphibole gneiss and schists were noted.

NORTHWEST OF CAMP

Leucocratic, even textured granodiorite in fault contact with epidote amphibole was encountered 25 metres west of a south sloping ridge back at elev. 3900 ft.
The contact displayed definite demarcation of rock types, the only alteration evident is a 30 - 40 mm wide quartz rich margin grading to granodiorite. Clasts of amphibole 10 - 25mm with in the quartz rich margin showed no trace of alteration or sulphide minerals. This quartz rich margin contains large, disseminated molybdenite crystals up to 2mm wide. An assay of this material (MB18) returned values of 359 ppm Mo, 18 ppm As, and 1 ppm Sr. Gold and silver were not detected. Two soil samples (MBS16/17) were also taken in this fault trench. Assay results show 5 ppm/8 ppm Sr plus slightly elevated levels of As and Mo. This area is therefore considered to be a quartz healed, cold - dry contact.

In a saddle, 500 metres north along the same ridge back an assay of bleached, quartz/felsic altered, sugary textured, rusty granodiorite reports only back ground levels.

Traverses around the hill top of this area encountered even textured granodiorite. In some areas narrow north striking,

near vertical, quartz filled faults occur. One such fault containing competent, rusty epidote amphibole with Chpy and Py assayed as (MB21) 12 ppb Au, 120 ppm As, 397 ppm Cu, 86ppm Pb, and 284 ppm Sr.
Two hundred metres farther up slope (north) a single soil sample (MBS22) from a un vegetated "kill zone" returned values of 18 ppb Au and 28 ppm As. Granodiorite out crops in the vicinity.

NORTH OF CAMP

A half day was spent prospecting portions of the south and west facing slopes on the lone hill across the lake, north of camp. Out crop exposures are rare, however locally derived soils cover the steeper areas, and some bed rock consisting of amphibole schists and gneiss were investigated. Various degrees of schistosity and textures were noted in these rocks. Quartz filled fractures/schist parting and iron oxides were less evident in this area. Sulphide mineralization was not observed during this traverse and no samples were taken.

CONCLUSIONS

Disseminated sulphide mineralization found in gneiss and amphibole schists are of subaqueous volcanic origin and were deposited prior to the formation of quartzites and limestones. Such mineralization found in these sedimentary rocks were most likely emplaced, over time, during metamorphism by tectonic related accretion events.

Where mid cretaceous granodiorite was found intruding epidote amphibole gneiss the contact margins were not altered to the degree typical of a hydrothermal system. Sulphide mineralization, in granodiorite, was found only in quartz filled "healed" fractures and small scale, localized faults. These contacts display cold and dry intrusion characteristics.

The magnetic high east of Strawberry Lake is totally obscured by glacial till. The other magnetic high, northwest of the lake, occurring in granodiorite, and along the east limit of this granitic intrusion remains unexplained.

With the exception of one sample, gold mineralization occurs in or adjacent to secondary emplacements of quartz, via fractures and faults, in both intrusive granodiorite and accreted rocks. Within these fractures and faults gold and copper values are some how related.

RECOMMENDATIONS

Any further work on this prospect should focus on the large body of intrusive granodiorite lying northwest of Strawberry Lake. Prospecting to date has located anomalous gold values in small localized faults with in this granitic body. Particular attention should be paid to quartz veins.

The magnetic high in and along the east margin of this granitic body has yet to be explained. Perhaps any future work will uncover the cause of this anomaly.

Drinking waters from Strawberry Lake or any of its tributaries without prior sterilization, filtration or purification is not recommend. These waters contain Giardia commonly referred to as "beaver fever".

SAMPLE DESCRIPTIONS

MB01 O/C above talus. Fine grained dark gneiss/quartzite? dusting of Aspy,Py,Chpy,Sphl in fractures and hairline qz stringers.

MB02 O/C Fine grained salt/pepper texture/colour gneiss Sphl/Gal ? fine disseminated and in 2 mm blebs.

MBSS4 Stream sed. frozen grey clay from stream under talus

MB05 Float in large blocky talus. Dark qz breccia rusty clasts of Mn coated Qz. morphed sed clasts up to 25mm X15mm.

MBSS6 Stream sed. East edge of talus/out crop?

MBS07 Soil. from up rooted tree, east edge of talus creek

MB07 Float. Black fine grained Quartzite. Aspy, Py.

MB08 Float. Mica schist high FQ crenulations visible fluid conduits in partings. Rusty on weathered surfaces.

MBS09 - MBS13 Soil samples.

MB14 Qz O/C Chpy,Py,Gal in rusty bull Qz.

MB15 Qz O/C Chpy,Py much rust bull Qz vein.

MBS16 - MBS17 Soil samples from fault trench

MB18 O/C Granodiorite/epidote amphibole fault contact chill margin. Much Qz mixed in G.D. Mo within 10 - 25MM of unaltered amphibole clasts. Cold contact?

MB19 O/C Felsic/Qz matrix rusty portions Aspy,Gal,Py,Mo? from edge of G.D. contact.

MB20 O/C Altered G.D. sugary texture rusty zones some fresher Qz few fine sulphides.

MB21 O/C Competent epidote amphibole sandwiched by G.D. very rusty Chpy,Py,Aspy or Gal?

MBS22 Soil sample

MB23 O/C Altered G.D. with fresh Qz.

MB24 Float - Altered epidote amphibole gneiss schist rusty partings.

SAMPLE LOCATION PLAN

STRAWBERRY LAKE AREA
WATSON LAKE MINING DISTRICT
NTS 105 C 01 YUKON TERRITORY

X = ROCK MB #
O = SOIL MBS #
Ø = STREAM SEDIMENT MBSS #

SCALE 1 : 25,000

K O N

T E A U

Strawberry Lake

CAMP

FLOAT PLANE LANDING

Creek

Mountain

Mobley

MB01 MB02 MB03 MB04 MB05 MB06 MB07 MB08 MB09/MBS10 MB11 MB12 MB13 MB14 MB15 MB16 MB17 MB18 MB19 MB20 MB21 MB22 MB23

MBS4 MBS6 MBS7 MBS9 MBS11 MBS12 MBS13 MBS16 MBS17

3900 3800 3700 3500 4200 3400 3300 4300 3600 3200 4400

53 54 55 56 57 58 69 68 67 66 65 64 63 70

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CERTIFICATE OF ANALYSIS
iPL 98F0573

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Client : Northern Analytical Laboratories
Project: WO#7996

24 Samples
24=Pulp

[057313:30:49:89062598]

Out: Jun 25, 1998
In : Jun 18, 1998

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 %
MB 01	P	<	22	7	62	13	<	<	2	<	<	2.1	8	14	65	<	77	17	230	30	24	1	1	0.09	1.00	1.04	2.32	0.61	0.30	0.01	0.13
MB 02	P	<	12	4	87	<	<	<	4	<	<	2.5	15	2	314	<	27	9	482	5	68	1	1	0.17	1.50	1.17	4.75	1.02	1.00	0.02	0.21
MB 05	P	<	87	9	146	29	<	<	4	<	<	5.3	61	203	491	<	116	167	1435	18	335	38	15	0.56	4.94	4.07	7.77	4.40	0.77	1.47	0.10
MB 07	P	<	91	5	76	12	<	<	6	<	<	2.6	25	6	237	<	31	49	296	5	68	1	2	0.23	2.62	1.34	4.56	1.27	1.74	0.13	0.39
MB 08	P	0.1	39	4	40	<	<	<	2	<	<	1.9	5	8	81	<	23	13	170	27	13	<	2	0.10	1.16	0.15	3.80	0.46	0.82	<	0.07
MB 14	P	1.2	58	59	79	<	<	<	1	<	<	1.1	2	3	18	<	132	2	24	<	3	<	<	0.01	0.07	0.03	0.76	0.02	0.04	0.01	0.01
MB 15	P	0.4	157	9	135	<	<	<	1	<	<	2.5	9	14	37	<	113	3	258	5	6	<	<	0.02	0.20	0.33	2.05	0.05	0.11	<	0.03
MB 18	P	<	9	32	16	18	<	<	359	<	<	0.3	1	3	23	<	95	<	549	6	1	2	3	0.01	0.16	0.03	0.47	0.03	0.10	0.04	<
MB 19	P	0.3	12	36	12	138	<	<	4	<	<	0.3	1	2	6	<	83	2	188	4	1	2	2	<	0.17	0.01	0.47	0.01	0.07	0.04	<
MB 20	P	0.1	8	8	6	10	<	<	3	<	<	0.4	1	2	10	<	64	2	44	3	1	2	1	<	0.11	0.01	0.48	0.01	0.09	0.03	<
MB 21	P	1.3	397	86	116	120	<	<	3	<	<	4.9	37	53	21	<	75	73	213	12	284	3	7	0.08	8.72	3.65	6.98	3.50	2.22	0.04	0.04
MB 23	P	0.3	7	16	26	<	<	<	15	<	<	0.8	3	3	34	<	61	12	278	12	5	1	2	0.05	0.54	0.12	1.42	0.25	0.37	0.04	0.04
MB 24	P	0.3	73	2	9	<	<	<	2	<	<	2.0	2	4	71	<	83	10	35	14	3	<	<	0.01	0.34	0.01	4.32	0.09	0.19	<	0.01
MBS 07	P	<	42	2	69	19	<	<	4	<	<	2.3	18	35	124	<	41	80	314	28	29	<	2	0.16	2.54	0.33	4.19	1.01	0.35	<	0.09
MBS 09	P	<	15	13	64	16	<	<	2	<	<	2.4	15	20	128	<	41	94	401	10	11	3	2	0.26	2.26	0.14	4.43	0.58	0.09	<	0.04
MBS 10	P	<	25	11	70	28	<	<	2	<	<	2.2	21	38	191	<	41	66	598	12	24	3	3	0.20	2.89	0.42	4.06	1.21	0.48	<	0.13
MBS 11	P	<	31	8	64	18	<	<	2	<	<	1.8	15	31	127	<	36	57	302	14	18	1	3	0.14	1.92	0.36	3.19	0.87	0.24	<	0.12
MBS 12	P	<	49	39	73	15	<	<	2	<	<	2.2	11	24	79	<	39	65	292	9	12	1	1	0.09	2.03	0.16	3.49	0.64	0.13	<	0.06
MBS 13	P	<	30	7	62	18	<	<	2	<	<	2.0	15	29	118	<	37	58	339	16	15	1	2	0.14	2.24	0.21	3.61	0.93	0.23	<	0.05
MBS 16	P	0.3	15	7	29	15	<	<	5	<	<	0.8	12	74	201	<	110	28	129	5	6	<	1	0.07	1.03	0.29	1.58	0.77	0.24	0.01	0.10
MBS 17	P	<	34	6	65	14	<	<	6	<	<	2.3	20	38	203	<	77	80	273	8	9	1	2	0.26	2.36	0.19	4.25	1.34	0.23	<	0.06
MBS 22	P	<	24	11	45	28	<	<	3	<	<	1.5	13	43	103	<	46	44	322	14	16	1	3	0.09	1.99	0.40	2.80	0.88	0.10	<	0.12
MBSS 04	P	<	24	7	80	16	<	<	2	<	<	1.9	20	33	206	<	42	53	528	18	42	<	3	0.16	1.86	0.88	3.31	0.93	0.31	0.01	0.15
MBSS 06	P	<	49	8	84	14	<	<	3	<	<	2.4	23	44	259	<	58	70	516	34	57	1	3	0.17	2.50	1.10	4.27	1.13	0.41	<	0.10
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	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	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 Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

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15/06/98 Assay Certificate Page 1

Michael Glynn WO# 07996

Certified by

Sample #	Au ppb
MB01	<5
MB02	9
MB05	<5
MB07	<5
MB08	<5
MB14	12
MB15	6
MB18	<5
MB19	<5
MB20	<5
MB21	12
MB23	<5
MB24	<5
MBSS04	<5
MBSS06	<5
MBS07	<5
MBS09	<5
MBS10	<5
MBS11	<5
MBS12	<5
MBS13	<5
MBS16	<5
MBS17	<5
MBS22	18

YEIP 98-005

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CERTIFICATE OF ANALYSIS
iPL 98F0573

Northern Analytical Laboratories — **24 Samples** — Out: Jun 25, 1998 — In: Jun 18, 1998 — [057313:30:49:89062598]

Project : WO#7996
Shipper : Norm Smith
Shipment: PO#: 054555
Analysis:
ICP(AqR)30

Comment: MICHAEL GLYNN

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	24	Pulp	Pulp received as it is, no sample prep.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molydenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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