

# **1995 PROSPECTING PROGRAM**

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95-054

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## Summary

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# **1995 Prospecting Program**

## **QUARTZ CREEK**

### **Target**

Follow-up of anomalous gold geochem in Quartz Creek (115 O/14, O/15) reported in *Fine Sediment Sampling for Gold - An Orientation Survey in Yukon* (Mackay, 1994)

### **Access**

Quartz Creek drains to the southwest from King Solomon's Dome and can be accessed from the Klondike highway up Hunker Creek or up Bonanza Creek

### **Program**

Three samples were collected, one rock sample and two stream sediment samples. The rock sample was collected from float in the stream, while the two sediment samples were collected from the east and west branches of Quartz Creek at the headwaters.

### **Results**

The rock sample, pervasively altered quartz mica schist, returned no anomalous values. Stream sediment sample F144502 was collected from the east most branch and returned 67ppb gold, which is very similar to the original 1994 sample. Further work on this target will be concentrated further up this branch and should consist of contour soil sampling at two levels. Assessment of the areas very difficult land status should proceed further work.

### **Samples and Locations**

R144501 UTM NAD83 Zone 7  
7081190mN 598245mE + or - 10m  
F144502 UTM NAD83 Zone 7,  
7081375mN 598460mE + or - 10m  
F144503 UTM NAD83 Zone 7,  
7081500mN 598380mE + or - 10m.

## **SOUTH SLAVIN**

### **Target**

Follow-up of a sediment sample collected by the National Geochemical Reconnaissance Survey (sample 1111). The sample reported 2750ppm Zn, 180ppm Ni, and 39ppm Mo, suggesting a potential for sediment hosted nickel mineralization.

**Access**

Access is from the Dempster Highway.

**Program**

The program consisted of prospecting and collection of two sediment samples for fine fraction separation and analysis, and two rock samples

**Results**

Prospecting noted pyrobitumen veins in the anomalous drainage however no mineralization was identified in the fairly good exposures. The fine fraction sample collected in the anomalous drainage confirmed the anomaly returning 3765ppm Zn, 375ppm Ni, and 1 6ppm Ag. Prospecting also uncovered a sample of pervasively altered volcanic which did not return anomalous values

**Samples**

R144504, R144507, F144505, F144506 (see sample location map)

**MT. ADNEY****Target**

Pervasive phyllic and silica alteration of intermediate to mafic volcanic has been previously identified in float along the west side of the Dempster Highway north of Northfork Pass. Although no precious metal values have been associated with this material the intensity of alteration suggests the potential for significant mineralization

**Access**

Access is along the Dempster Highway between Chapman Lake and Northfork Pass

**Program**

The program consisted of prospecting along the Dempster Highway up-ice toward Northfork Pass to identify a source for the altered material

**Results**

A promising source was located on the south side of Mt Adney, however all samples returned negligible precious metal values

**Samples**

R144508, R144513, R144514, F144509, F144510, F144511, F144512, F144515, F144516, F144517 (see sample location map)

## **WEST HART**

### **Target**

National Geochemical Reconnaissance Sampling identified an area of anomalous gold, copper, mercury, and silver in stream sediments draining an area which could be interpreted as a circular structure between the West Hart River and Char Creek (116 A/12). The goal of this project was to trace the anomalous geochem to its source.

### **Access**

While the old Hart River Mine road passes just to the south of the target area the road in this area is impassable and access was by helicopter from Hart Pass (116 B/9) near the eastern end of the drivable portion of the old road. A camp was established near the top of a north flowing creek approximately in the middle of the target area.

### **Program**

The program consisted of prospecting supported by ridge-line soil geochemistry and fine fraction stream sediment sampling.

### **Results**

Stream sediment sampling was able to reproduce the weak NGR anomalies, however the highest gold value was only 40ppb. Values from 11 rock samples collected were all low.

The geology consists of a very dry looking chert and argillite sequence with minor carbonate which appears to be repeated by south dipping low angle faults. Ridge-line geochemistry was concentrated across these graphitic fault structures and returned highly anomalous values 290ppb gold and 3.7ppm silver, with mercury values as high as 1700ppb. While no mineralization was seen most metal values are elevated with copper as high as 766ppm.

### **Samples**

Rock samples: R144518 - 521, R144551, 552, 554, 556 - 559.  
Soil samples: S144522 - 525, 553, 555  
Soil Lines: WH Ridge 10150N - 10250N, 10600N, East Ridge 4150E - 4400E  
Sediment samples: F144526 - 529  
See sample location map

# **Lomond**

## **Target**

Anomalous stream sediment geochemistry outlines an area of potential sedimentary nickel mineralization between Lomond Creek and Char Creek (116 A/12).

## **Access**

Access is by helicopter off the old Hart River Mine road east of the Dempster Highway. A fly camp was established near the head waters of a south draining stream about half way between Char Creek and Lomond Creek.

## **Program**

The approach for this target involved prospecting and reconnaissance scale mapping to attempt to locate stratigraphy analogous to the Nick basin. The area has very little exposure and what exposure there is is dominated by paleozoic intermediate to mafic volcanics.

## **Results**

A recent flood event associated with some collapsing permafrost scoured out the south draining stream which our camp was located. This scouring exposed a contorted black argillite unit containing limestone concretions up to 1.5m across. Further down stream on the east side a small stream draining to the west was found to have a showing containing fine bands of disseminated sulfides and pyrite concretions. A sample of the pyrite concretion returned 168ppb palladium. Fine fraction stream sediment sampling confirmed the anomalous geochemistry and returned high values of 9504ppm Zn, 1724ppm Ni, 2.9ppm Ag, and trace values of gold, platinum, and palladium.

## **Samples**

Rock samples. R144562, 564 - 568, 570 - 572.

Soil sample S144569

Fine sediment samples: F144530 - 535, 560, 561, 563.

See sample location map

# **Rock Sample Reports for Dempster Prospecting Project**

## **Quartz Creek**

**R144501**

Pervasively altered and iron stained quartz-mica schist. Collected from Quartz Creek 115 O/14

## **South Slavin / Mt. Adney**

**R144504**

Orange weathering altered volcanic hairline black stringers in a grey and white mottled fresh surface Minor disseminated pyrite Orange weathering rind has a strong reaction to dilute HCl. Sample was collected from a small drainage south of Slavin Creek.

**R144507**

Black shale with stringers of sphalerite? ,or pyrobitumen? Collected from drainage anomalous in nickel south of Slavin Creek

**R144508**

Same as 504 except this sample has an extensive silica stockwork Collected from float in Wildhorse Creek

**R144513**

Similar to 504/508, finer grained, tuff?. Fresh surface is weakly reactive to dilute HCl, orange weathering rind is strongly reactive Knots of dark silver grey sulfide locally associated with electric green mineral common in altered and mineralized volcanics and high level intrusives Collected from stream draining southeast flank of Mt Adney.

**R144514**

Light and dark orange and grey weathering volcanic conglomerate or breccia Dark grey to white on fresh surface Some grey clasts contain upto 10% disseminated pyrite while matrix contains 2-3% Weathered surface is irregular showing conglomerate or breccia protolith Collected from stream draining southeast flank of Mt Adney

## West Hart

R144518

Float sample of a carbonate horizon. Recrystallized and quartz veined  
Collected from falls above the camp on Camp Creek

R144519

Carbonate rich cemented breccia Dark brown/orange iron carbonate weathering, dark blue matrix with white fragments on fresh surface Minor disseminated sulfides and quartz veining Collected from float in Camp Creek upstream from the falls.

R144520

Bleached and silicified fault breccia, white and grey weathered surface, white/brown/tan/grey fresh surface Carbonate reaction along fracture surfaces Collected from Camp Creek above the falls

R144521

White quartz breccia. Collected from the same location as 520

R144551

Rusty weathering dark green shale, 2-5% disseminated sulfides in a very fine matrix Shale is exposed in subcrop for 5m along the ridge and is bounded on the north by Mn stained shale. Collected ~100m north of Posts 1 & 2 for claims FIRST 3 & 4.

R144552

Brecciated cherty shale White ppt, rusty, green, and grey cherty fragments Fercrete cemented Collected from site of FIRST 3-4

R144554

Fractured and weakly mineralized chert. Light grey to white weathered surface with some iron staining. Fresh surface is dark grey with iron staining on fracture surfaces ~1% disseminated sulfides with one high reflectance gold coloured grain noted (see lookee loo) Collected from 5m east of 554

R144556

Brecciated and resilicified grey chert. Possible fine disseminated grey sulfides. Collected from claim line ridge.

R144557

Black graphitic argillite with iron staining and minor quartz. Collected from claim line ridge east of the main peak

**R144558**

Mottled black and grey shale. 10 to 15% pyrite disseminated in clots. Collected from north-south slope west of Camp Creek.

**R144559**

Light grey chert with black argillite breccia fragments. ~2% disseminated pyrite coarse and fine. Translucent green patches in the chert. Collected on east facing slope to Camp Creek near thrust fault contact.

## **LOMOND**

**R144562**

1cm sulfide horizon in black graphitic shale Collected from outcrop south of the junction on East Getty Creek

**R144564**

Bright orange weathering carbonate breccia Grey matrix with white and black angular fragments, minor quartz veins and pyrite. Occurs in association with volcanic units near the peak east of camp

**R144565**

Fercrete cemented black argillite Collected from the south side of Pyrite ball Creek upstream from the pyrite ball occurrence Local outcrop is distorted wavy argillite similar to pyrite ball unit.

**R144566**

Three centimeter wide pyrite horizon in weakly calcareous wavy distorted shale. Collected 5m up section from pyrite ball occurrence

**R144567/R144568**

Pyrite concretions in weakly calcareous distorted wavy black shale. R567 are soft and somewhat incompetent sulfide balls, while R568 are hard competent pyrite rich balls Collected from a 3m exposed section alongside pyrite ball creek. A competent pyrite ball believed to have originated from this stream was found in the main drainage ~500m downstream from this occurrence.

**R144570**

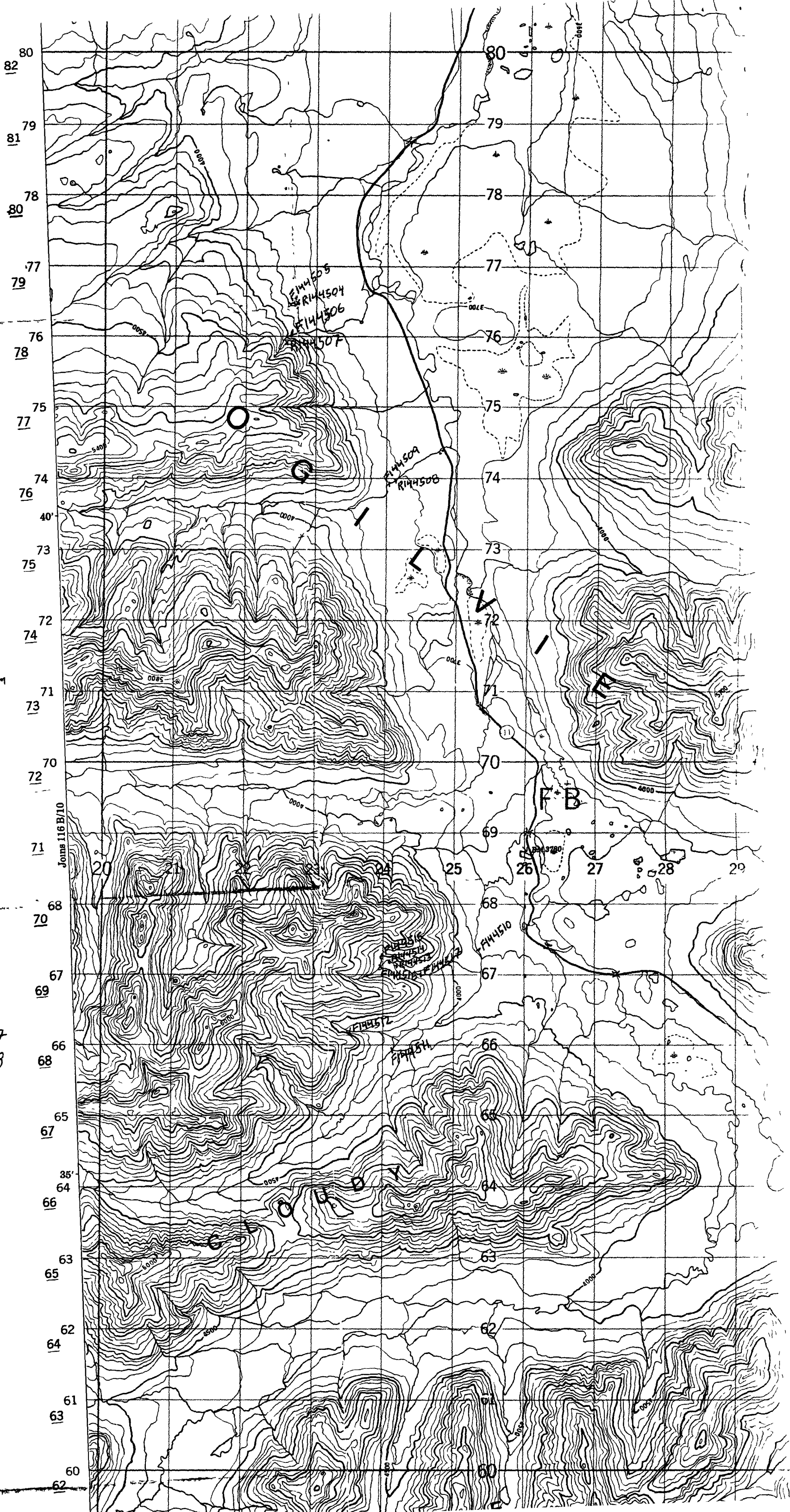
Rusty weathering fine grained black siliceous silt stone. Fine disseminated sulfides? Collected from upstream end of kill zone in Orange Goo Creek. S144569 sample of orange goo and F533

R144571

Quartz float from Orange Goo Creek by Barite beds. Quartz carbonate vein contains black sulfide with associated green oxide mineral (nickel bloom?).

R144572

Similar to R570 collected from kill zone 5m up from barite beds.



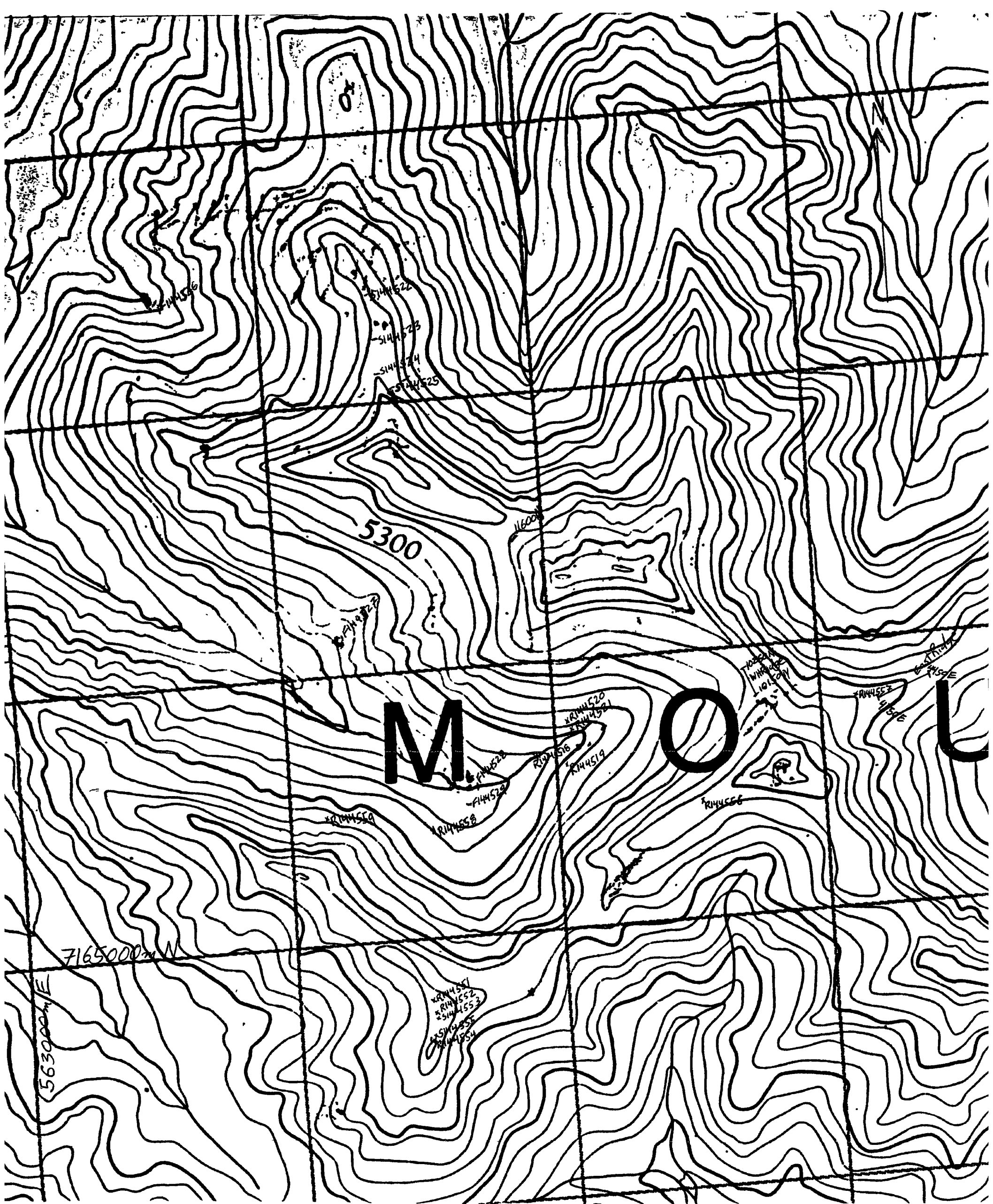
116 B/9

0 1km 2km  
Scale 1:50000

South Slavin  
Mt. Adney  
Sample  
Location  
Map

Samples

F144505	R144504
F144506	R144507
F144509	R144508
F144510	R144513
F144511	R144514
F144512	
F144515	
F144516	
F144517	



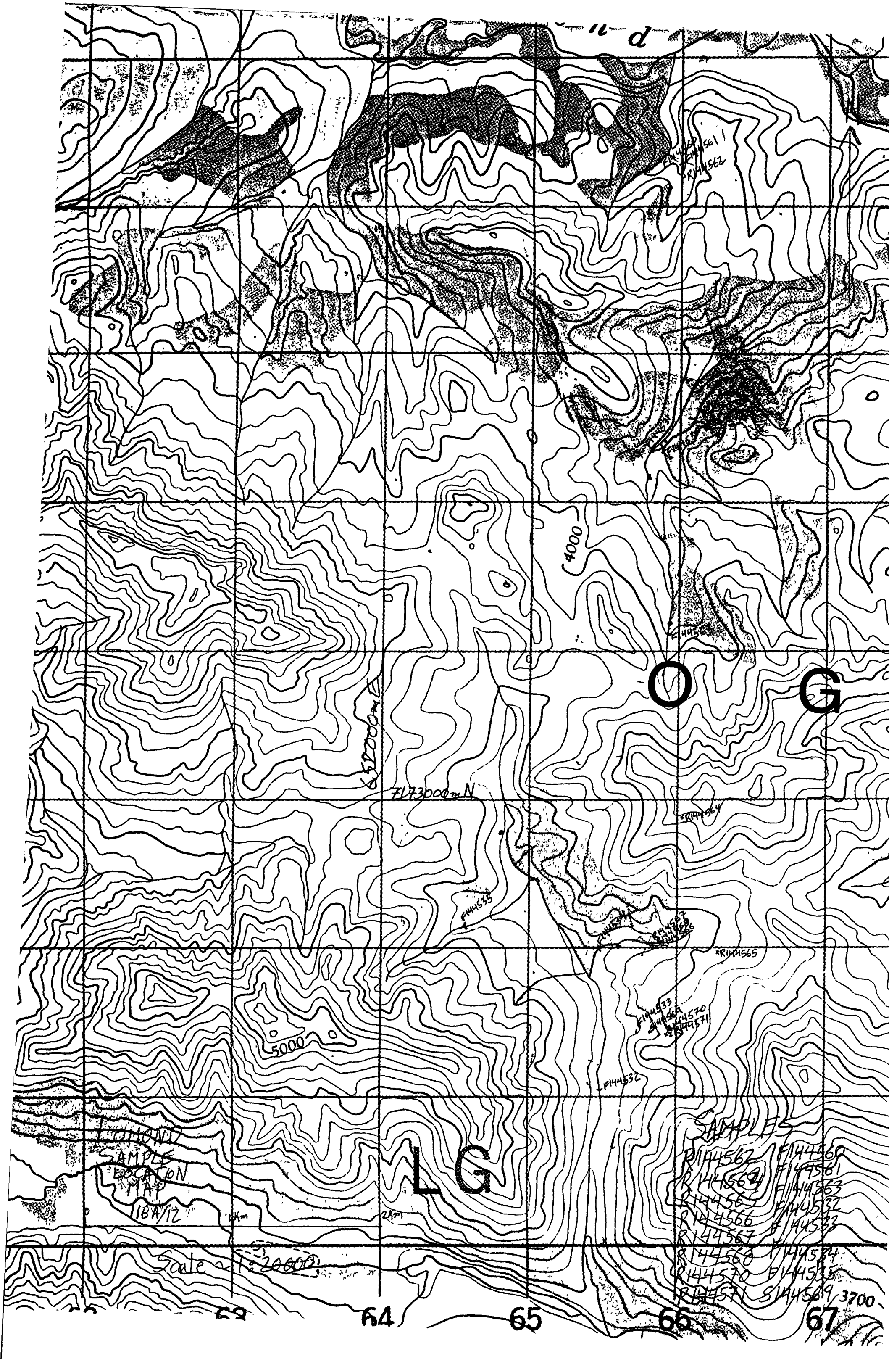
WEST HART  
Sample  
Location  
Map  
116A/12

0 1km 2km  
Scale 1:12500

Samples

R144518	F144526	S144522
R144519	F144527	S144523
R144520	F144528	S144524
R144521	F144529	S144525
R144551		S144553
R144552		S144555
R144554		
R144556		
R144557		
R144558		
R144559		

Soil Lines  
WH Ridge  
10150N - 10250N, 11600N  
East Ridge  
4150E - 4400E



d

FI44561  
FI44562

4000

O G

7173000m N

FI44535

FI44564

FI44565

FI44533  
FI44566  
FI44570  
FI44571

FI44532

118A/12  
SAMPLE LOCATION  
MAP

Scale 1:20000

L G

SAMPLES

FI44562  
FI44561  
FI44563  
FI44532  
FI44533  
FI44564  
FI44566  
FI44570  
FI44571  
FI44569  
3700

63

64

65

66

67



## GEOCHEMICAL ANALYSIS CERTIFICATE

MacKay Falkiner &amp; Associates File # 95-2380

Page 1

13 Buttercup Place, Whitehorse YT Y1A 5V1



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
R144501	4	32	22	70	.8	29	9	1086	4.24	<2	<5	<2	4	24	.4	<2	<2	42	.22	.070	23	19	1.31	152	.02	<3	1.40	.03	.09	<2	3	20
R144504	11	39	<3	112	1.3	114	31	1964	9.97	<2	5	<2	3	926	1.4	<2	<2	113	6.83	.240	33	35	5.41	80	<.01	<3	1.02	.04	.02	<2	2	40
R144508	2	45	<3	48	.9	177	32	1217	6.62	7	<5	<2	<2	481	.4	<2	<2	85	8.64	.137	14	110	5.56	42	<.01	<3	.78	.03	.06	<2	1	20
R144513	<1	16	33	61	.5	93	19	1656	7.04	153	<5	<2	<2	360	.5	<2	<2	17	12.29	.091	9	45	7.05	55	<.01	<3	.23	.01	.15	<2	1	40
R144514	7	25	6	92	.8	7	9	2570	5.12	246	<5	<2	<2	849	.8	<2	2	38	15.41	.253	17	2	12.16	64	<.01	<3	.07	.03	<.01	<2	4	65
R144518	1	8	<3	30	<.3	25	3	2584	3.78	5	<5	<2	<2	539	.2	2	<2	8	9.70	.016	1	6	7.42	306	<.01	3	.11	.02	.02	<2	1	15
R144519	<1	11	4	7	.5	30	4	7421	5.37	6	<5	<2	<2	603	.6	<2	<2	5	16.00	.004	1	2	12.00	543	<.01	<3	.06	.01	<.01	<2	1	95
R144520	3	15	25	108	<.3	41	19	5840	1.99	49	<5	<2	<2	124	.6	<2	3	5	.71	.093	3	7	.15	83	<.01	5	.12	<.01	.07	<2	1	20
R144521	3	22	<3	11	<.3	12	2	1235	.89	4	<5	<2	<2	33	<.2	<2	<2	4	.94	.022	1	12	.13	38	<.01	3	.13	.01	.02	2	3	10
R144551	1	214	31	74	.6	43	51	835	5.44	27	<5	<2	5	19	.2	<2	3	48	.25	.025	19	38	1.00	64	.02	11	1.69	.01	.35	<2	6	75
R144552	1	102	15	224	.9	160	56	5376	5.71	21	<5	<2	<2	139	1.1	<2	2	69	4.20	.009	10	45	3.25	184	<.01	3	1.26	.01	.07	<2	3	100
R144554	3	46	4	33	<.3	12	1	180	1.12	<2	<5	<2	<2	19	<.2	2	2	17	.10	.061	4	21	.07	159	<.01	5	.24	<.01	.10	2	15	90
R144556	6	9	10	9	<.3	11	2	487	.93	18	<5	<2	<2	178	<.2	<2	<2	7	1.05	.440	9	14	.10	205	<.01	8	.18	.01	.08	2	3	30
RE R144556	7	10	7	9	<.3	13	3	544	.99	19	<5	<2	<2	181	<.2	2	<2	7	1.05	.445	9	16	.10	211	<.01	9	.18	.01	.08	2	1	35
RRE R144556	6	9	10	8	<.3	11	3	509	.96	16	<5	<2	<2	186	<.2	2	2	7	1.08	.458	9	14	.10	217	<.01	8	.18	.01	.08	2	1	35
R144557	10	57	10	57	.6	16	1	77	3.07	6	7	<2	3	108	.2	<2	<2	53	.03	.053	11	29	.31	70	<.01	9	.78	.05	.37	<2	11	400
R144558	13	109	11	35	.7	34	10	110	8.97	42	18	<2	3	520	.4	<2	<2	72	11.02	4.942	29	34	.96	23	.01	15	1.58	.02	.74	<2	<1	180
R144559	3	17	6	11	<.3	20	13	569	1.02	14	<5	<2	<2	89	<.2	<2	2	10	.81	.311	7	16	.16	196	<.01	7	.26	.01	.07	3	1	35
STANDARD C/AU-R	20	61	38	126	7.3	72	30	1132	3.91	45	19	7	37	50	19.0	17	21	57	.49	.095	39	59	.88	184	.08	32	1.79	.06	.14	10	490	2135

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS &gt; 1%, AG &gt; 30 PPM &amp; AU &gt; 1000 PPB

- SAMPLE TYPE: P1 TO P2 ROCK P3 TO P4 SOIL P5 TO P8 PULP

AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

HG ANALYSIS BY FLAMELESS AA. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 18 2005

DATE REPORT MAILED:

SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



ACME ANALYTICAL



ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
R144507	49	38	5	202	.8	74	2	51	1.13	22	<5	<2	2	85	2.5	9	<2	1314	.16	.067	7	56	.09	563	<.01	13	.44	.01	.14	2	8	<3	<3
R144562	214	434	79	520	1.5	162	<1	20	19.69	212	9	<2	3	47	5.0	120	<2	290	1.00	.012	1	21	.49	4	<.01	13	.49	<.01	.19	<2	9	10	9
R144564	<1	14	3	18	<.3	40	6	963	6.94	6	6	<2	<2	676	1.5	<2	<2	15	15.16	.033	7	9	7.76	475	<.01	<3	.13	.01	.05	<2	2	<3	<3
R144565	389	230	12	204	1.2	167	<1	30	28.03	98	<5	<2	7	74	3.0	11	<2	1074	.64	.239	11	24	.16	143	<.01	5	.31	.01	.12	<2	3	<3	3
R144566	56	301	44	113	.3	111	2	90	17.59	55	19	<2	4	115	2.5	19	<2	80	2.86	.068	3	16	1.38	4	<.01	5	.34	.01	.13	<2	7	<3	<3
R144567	18	75	56	40	2.1	15	<1	14	18.34	47	<5	<2	<2	12	1.0	101	<2	107	.03	.002	1	10	.05	2	<.01	12	.13	<.01	.08	<2	3	<3	168
R144568	6	276	41	218	1.3	35	<1	52	18.10	75	<5	<2	<2	28	4.3	112	<2	48	.58	.007	<1	7	.09	2	<.01	37	.08	<.01	.02	<2	2	<3	<3
R144570	2	7	12	18	<.3	12	2	132	1.34	4	<5	<2	2	28	.3	2	<2	15	.22	.010	4	12	.12	63	<.01	3	.34	<.01	.06	<2	8	<3	<3
RE R144570	2	7	11	16	<.3	13	2	128	1.34	5	<5	<2	2	28	.3	<2	<2	15	.22	.011	4	12	.13	63	<.01	3	.35	<.01	.07	2	8	<3	<3
RRE R144570	2	7	10	18	<.3	12	2	131	1.31	5	<5	<2	2	27	.2	<2	<2	14	.21	.010	4	11	.12	62	<.01	3	.34	<.01	.06	<2	8	<3	<3
R144571	20	5277	<3	5915	2.2	126	2	156	.49	81	<5	<2	<2	980	122.2	53	<2	1387	7.46	.013	5	30	.14	142	<.01	3	.17	.01	.02	<2	20	<3	3
R144572	2	30	22	53	<.3	13	2	155	1.60	5	<5	<2	2	7	.8	2	<2	13	.13	.007	4	13	.18	22	<.01	3	.44	<.01	.01	2	6	<3	<3
STANDARD C/FA-100S	20	61	40	122	6.9	76	32	994	3.91	43	16	7	34	47	19.0	18	17	61	.48	.092	41	60	.84	171	.07	29	1.76	.06	.14	11	51	44	44

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.  
 AU\*\* PT\*\* & PD\*\* ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.



ACHE ANALYTICAL



ACHE ANALYTICAL

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb
S144522	26	214	42	118	3.9	31	1	69	4.76	34	9	<2	6	105	.7	5	<2	167	.01	.063	20	53	.40	35	.01	11	1.25	.06	.57	<2	39	1230
S144523	12	766	29	343	2.6	108	11	1253	6.13	36	<5	<2	4	365	1.5	<2	<2	259	1.41	.762	36	121	1.68	736	<.01	9	2.59	.01	.36	<2	140	205
S144524	8	255	69	66	.4	21	10	797	10.06	68	<5	<2	5	12	1.1	<2	3	102	.03	.064	25	55	.84	478	.05	<3	2.22	.01	.34	<2	7	225
S144525	62	155	52	47	.8	23	6	788	8.04	152	7	<2	4	40	.5	6	2	123	.02	.092	17	50	.50	20	.02	6	1.30	.08	.70	<2	18	810
S144553	7	269	18	154	1.9	74	7	327	3.41	20	5	<2	7	29	.5	2	<2	72	.07	.022	30	55	.39	391	.01	7	1.21	.01	.19	<2	19	780
S144555	9	244	26	124	2.9	36	2	56	4.74	54	5	<2	7	18	.3	3	<2	132	.01	.036	29	67	.30	282	.01	7	1.30	.02	.33	<2	44	975
WH RIDGE 10150N	10	205	31	160	1.2	68	18	918	5.36	22	<5	<2	6	126	.9	<2	<2	59	.08	.080	22	38	.71	135	<.01	9	1.75	.06	.43	<2	25	415
WH RIDGE 10175N	10	234	32	113	1.4	42	7	545	4.84	29	7	<2	7	51	.7	3	2	80	.01	.052	27	57	.45	454	.01	10	1.48	.03	.35	<2	27	510
WH RIDGE 10200N	4	156	33	147	3.0	45	5	198	6.64	28	<5	<2	8	25	.6	6	4	120	<.01	.028	24	90	.95	276	.01	9	2.09	.01	.32	<2	83	1190
WH RIDGE 10225N	2	356	53	301	3.7	81	25	1290	8.23	34	<5	<2	7	19	1.1	9	2	117	.03	.040	24	98	.87	300	.01	6	2.11	<.01	.20	<2	290	195
WH RIDGE 10250N	3	277	40	186	1.4	64	17	2108	7.71	26	<5	<2	7	28	.7	3	3	95	.02	.076	30	79	.77	276	.01	8	2.12	.01	.23	<2	71	100
WH RIDGE 11600N	12	97	14	94	.3	40	8	124	4.59	22	5	<2	4	124	1.1	<2	<2	86	.41	.087	10	17	.18	75	<.01	9	.89	.03	.58	<2	9	720
EAST RIDGE 4150E	14	129	31	60	.9	12	2	84	4.08	29	10	<2	5	58	.3	2	<2	55	.03	.063	17	33	.32	48	.01	13	1.19	.04	.59	<2	18	1500
RE EAST RIDGE 4150E	14	130	31	64	1.0	14	2	87	4.11	31	11	<2	6	58	.4	<2	<2	60	.04	.062	18	37	.34	50	<.01	13	1.28	.04	.65	<2	20	1160
EAST RIDGE 4200E	17	195	25	81	.6	20	3	118	5.38	27	<5	<2	6	262	.4	3	<2	59	.02	.125	26	39	.46	43	<.01	8	1.47	.06	.52	<2	25	1700
EAST RIDGE 4250E	3	340	59	209	1.5	73	23	4081	7.62	26	<5	<2	7	46	.8	2	3	95	.01	.052	26	76	.76	405	.01	8	1.97	.02	.26	<2	160	145
EAST RIDGE 4300E	4	289	54	199	1.2	73	59	1039	5.23	15	<5	<2	3	98	.7	4	<2	76	.08	.115	32	50	.72	459	.01	9	1.99	.02	.33	<2	26	165
EAST RIDGE 4350E	34	151	23	166	.8	30	4	144	6.54	35	8	<2	5	138	.5	4	<2	118	.01	.077	13	40	.61	29	<.01	7	1.60	.09	.37	<2	31	965
EAST RIDGE 4400E	7	221	47	201	2.4	41	9	488	7.17	28	<5	<2	6	19	.7	2	2	127	.01	.044	28	84	.62	206	.01	4	1.94	.01	.17	<2	80	335
STANDARD C/AU-S	20	65	39	130	7.4	73	30	1014	3.98	42	19	7	37	53	17.4	18	21	63	.51	.098	40	60	.90	188	.09	30	1.89	.06	.16	10	48	1920

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ACHE ANALYTICAL



ACHE ANALYTICAL

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	ppb	ppb
S144569	34	244	<3	947	<.3	130	<1	7	21.69	5	16	<2	<2	10	6.5	<2	<2	10	.10	.015	<1	20	.04	26	<.01	<3	9.22	<.01	.01	<2	6	<3	<3

Sample type: SOIL.

AU\*\* PT\*\* & PD\*\* ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.



ACRE ANALYTICAL

MacKay Falkiner &amp; Associates

FILE # 95-2380

Page 5



ACRE ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
CBREW-1	4	26	11	276	.5	45	8	239	1.92	46	<5	<2	3	69	2.2	19	<2	45	.64	.063	23	37	.37	686	.04	8	1.09	.03	.14	<2	23	215
CBREW-2	3	22	14	190	.3	29	6	171	1.91	32	<5	<2	5	60	1.3	16	<2	45	.54	.069	24	29	.35	701	.06	7	.97	.03	.14	<2	12	205
CBREW-3	2	21	9	154	<.3	32	8	367	2.17	30	<5	<2	6	62	.8	8	<2	52	.71	.083	29	36	.49	593	.08	4	1.22	.03	.13	<2	15	90
RE CBREW-3	2	20	10	148	.3	30	8	357	2.11	30	<5	<2	6	61	.7	8	<2	50	.70	.081	29	36	.47	578	.08	6	1.19	.03	.13	2	13	90

Sample type: PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ACME ANALYTICAL



ACME ANALYTICAL

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb
C144533	64	337	22	9172	1.1	1805	425	6860	8.01	29	10	<2	5	91	81.1	2	3	341	.60	.095	14	54	.41	412	.01	6	3.95	.02	.26	<2	4	3	3
C144534	35	58	9	2415	1.2	343	14	263	1.60	18	6	<2	2	354	16.6	7	2	515	11.37	.121	10	57	1.50	498	.02	20	.73	.01	.22	<2	3	3	3
C144560	189	218	7	3216	.8	484	186	3136	5.89	46	80	<2	3	86	21.8	17	<2	757	.49	.259	11	70	.33	46	.02	12	5.55	.01	.16	<2	2	<3	3
C144563	31	46	<3	5151	.6	490	50	2990	3.14	14	<5	<2	<2	442	71.8	2	<2	254	22.26	.056	1	59	.41	220	.01	10	.45	.01	.10	<2	5	<3	<3

Sample type: PULP.

AU\*\* PT\*\* &amp; PD\*\* ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.



ACME ANALYTICAL



ACME ANALYTICAL

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb
F144502	3	57	39	299	.6	59	19	1218	4.26	28	<5	<2	5	50	2.2	5	<2	56	.75	.079	25	84	1.83	305	.03	3	2.37	.02	.14	<2	65	180
RE F144502	4	58	35	298	.7	59	20	1231	4.30	28	<5	<2	5	50	2.3	5	3	57	.75	.080	25	84	1.84	307	.03	3	2.39	.02	.14	<2	67	125
F144503	3	72	54	462	.9	65	21	739	4.53	25	<5	<2	5	63	3.8	3	<2	52	1.14	.084	25	93	2.28	341	.02	3	3.08	.03	.17	<2	27	150
F144509	3	75	9	275	.5	156	26	654	4.70	7	<5	<2	3	89	1.4	3	4	102	1.46	.157	31	220	2.33	245	.34	12	2.29	.03	.16	<2	13	145
F144510	2	55	37	264	.5	131	26	761	5.22	13	<5	<2	4	111	.5	3	<2	70	1.12	.131	25	141	2.10	251	.19	10	2.19	.03	.25	<2	6	95
F144511	2	62	34	251	.4	153	28	812	5.65	12	<5	<2	5	116	.8	3	2	72	1.13	.136	25	164	2.37	257	.28	10	2.39	.03	.32	<2	4	65
F144512	2	55	53	288	.6	144	30	986	5.66	11	<5	<2	4	131	1.1	4	2	83	1.51	.168	33	169	2.32	263	.17	7	2.21	.04	.24	<2	8	115
F144515	3	87	206	320	1.6	183	43	1260	7.36	26	<5	<2	4	128	1.6	5	2	107	1.40	.201	43	181	2.29	274	.24	11	2.26	.03	.29	<2	14	175
F144516	4	61	59	231	.7	122	25	917	5.39	18	<5	<2	4	97	1.4	4	2	80	1.11	.131	33	146	1.58	249	.22	9	1.93	.03	.21	<2	4	90
F144517	4	59	98	195	.8	110	25	926	5.32	22	<5	<2	4	109	1.2	4	2	77	1.15	.144	33	124	1.49	223	.20	8	1.70	.03	.20	<2	4	125
F144526	11	147	25	215	.6	83	21	4680	4.29	27	<5	<2	<2	108	.7	2	<2	74	.47	.192	26	108	.62	266	.02	8	1.68	.03	.38	<2	22	210
F144527	10	92	15	262	.7	64	10	657	2.98	16	<5	<2	<2	91	1.1	3	<2	68	.49	.148	23	89	.47	413	.02	9	1.53	.03	.35	<2	35	175
F144528	8	158	26	371	.9	146	23	4224	4.23	24	<5	<2	<2	78	2.7	3	<2	65	.41	.182	23	124	.60	494	.02	8	2.00	.03	.34	<2	19	240
F144529	11	151	25	282	1.0	81	16	1740	4.44	26	5	<2	<2	117	.9	5	<2	91	.43	.226	27	95	.58	283	.02	10	1.95	.04	.40	<2	22	265
FBREW-1	5	41	22	452	.8	94	12	491	2.63	91	<5	<2	3	91	4.0	33	<2	54	.70	.075	27	112	.45	810	.02	6	1.35	.02	.13	<2	40	345
FBREW-2	6	41	21	289	.7	88	11	351	2.77	71	<5	<2	5	88	2.2	27	<2	62	.66	.081	25	129	.43	952	.04	7	1.31	.02	.18	<2	72	405
FBREW-3	4	38	19	252	.5	73	14	688	3.23	79	<5	<2	5	87	1.3	19	<2	71	.83	.089	27	96	.66	757	.06	8	1.77	.03	.19	<2	36	225
STANDARD C/AU-R	19	64	34	131	7.1	70	32	1019	3.91	44	18	7	36	50	18.0	17	21	60	.50	.094	43	59	.90	187	.08	30	1.82	.06	.14	10	520	1765

Sample type: PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ACME ANALYTICAL



ACME ANALYTICAL

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb
F144505	5	56	16	717	.6	128	17	537	3.41	11	<5	<2	2	64	8.6	5	<2	133	.85	.102	26	135	1.15	376	.06	10	2.19	.02	.25	<2	35	<3	<3
F144506	31	108	93	3765	1.6	375	18	511	3.33	27	<5	<2	3	110	23.2	8	<2	491	.94	.113	34	131	1.09	408	.02	14	1.87	.02	.30	<2	10	<3	6
F144530	32	73	13	2132	1.4	327	16	400	2.57	24	<5	<2	2	248	16.3	5	<2	577	5.12	.138	23	98	1.15	367	.02	22	1.11	.01	.23	<2	7	<3	4
RE F144530	30	70	12	2034	1.3	311	16	384	2.45	23	<5	<2	2	238	15.3	6	<2	552	4.94	.131	20	93	1.09	349	.02	21	1.05	.01	.22	<2	7	<3	3
F144531	21	88	9	3410	1.7	399	20	505	2.68	21	<5	<2	2	199	27.3	7	<2	489	4.69	.150	19	109	1.36	462	.02	18	1.14	.02	.24	<2	16	<3	3
F144532	47	87	18	4413	1.6	639	28	722	3.12	39	<5	<2	2	218	34.3	9	<2	677	4.56	.117	20	115	1.36	403	.03	15	1.15	.02	.19	<2	12	4	4
F144533	46	308	22	9504	1.4	1724	338	5287	8.35	24	15	<2	4	88	88.2	3	3	188	.76	.089	13	83	.36	318	.01	7	4.20	.02	.20	<2	13	<3	3
F144534	48	64	11	2794	1.5	434	18	348	1.79	25	<5	<2	2	331	19.1	11	<2	594	9.36	.089	15	81	2.11	384	.01	19	.79	.01	.20	<2	7	3	4
F144535	36	188	20	3677	2.8	421	16	315	2.97	29	22	<2	<2	209	18.9	7	<2	554	1.17	.190	26	137	.67	93	.02	15	1.42	.02	.26	<2	19	5	12
F144560	244	251	5	3448	1.0	484	191	3320	10.00	51	110	<2	3	68	25.0	21	3	410	.54	.361	9	105	.26	59	.01	5	8.43	.01	.07	<2	7	<3	<3
F144561	81	141	18	5566	2.9	524	9	205	1.68	70	<5	<2	2	187	34.1	20	<2	1760	2.23	.178	29	137	1.21	482	.05	17	1.22	.01	.21	<2	16	4	8
F144563	59	61	3	6648	1.1	820	88	5312	6.57	34	<5	<2	<2	343	100.6	6	<2	515	11.24	.076	7	92	.71	345	.02	11	.71	.01	.11	<2	18	4	4
STANDARD C/FA-100S	19	64	34	131	7.1	70	32	1019	3.91	44	18	7	36	50	18.0	17	21	60	.50	.094	43	59	.90	187	.08	30	1.82	.06	.14	10	44	42	40

Sample type: PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

AU\*\* PT\*\* & PD\*\* ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.

# **1995 Yukon Mining Incentive Program - Grassroots**

## **Diary of Activities**

June 21

- Prepare maps and final targeting plans.
- Acquire copies of target area air photos

June 24

- Purchase groceries and support supplies

June 26

- Drive to Dawson City
- Investigate Quartz Creek access 115 O/14, /15

June 27

- Prospect and sample along Quartz Creek 115 O/14, /15.
- Rock sample R144501 see attached rock sample descriptions.
- UTM NAD83 Zone 7  
7081190mN 598245mE + or - 10m.
- Fine fraction stream sediment samples F144502, F144503
- UTM NAD83 Zone 7,  
7081375mN 598460mE, 7081500mN 598380mE + or - 10m

June 28

- Prospect and sample south of Slavin Creek on the west side of the Dempster Highway (116 B/9).
- Rock samples R144504, R144507 see attached rock sample descriptions
- Fine Sediment samples F144505, F144506
- See attached map for sample locations

June 29

- Prospect along the east side of the Blackstone River for source of altered and silicified volcanics (116 B/9)
- Rock samples R144508, R144513, R144514 see attached rock sample descriptions
- Fine sediment samples F144509, F144510, F144511, F144512, F144515, F144516, F144517
- See attached map for sample locations

June 30

- Prospect between Char Creek and the West Hart River (116 A/12)
- Rock samples R144518, R144519 see attached rock sample descriptions.
- See attached map for sample locations

July 7

- Prospect and sample area between Lomond Creek and Char Creek 116 A/12
- Rock samples R144564 - R144568 see attached rock sample descriptions
- Fine Sediment Samples F144532 - 35
- See attached map for sample locations

July 8

- Prospect and sample area between Lomond Creek and Char Creek 116 A/12.
- Rock samples R144570 - R144571 see attached rock sample descriptions.
- Soil Sample S144569
- See attached map for sample locations.

July 9

- Prospect area between Lomond Creek and Char Creek 116 A/12.

July 10

- Drive to Whitehorse

July 11

- Process Fine sediment samples

July 12

- Process Fine sediment samples

July 13

- Process Fine sediment samples

July 17

- Package and ship samples

# YUKON MINING INCENTIVES PROGRAM

## FINAL SUBMISSION FORM

**INSTRUCTIONS:** Please read the guidebook before completing form.  
Please type or print.

Submit completed form and summary or Technical Report by December 31 for the Grassroots prospecting and Grassroots Grubstake programs and by February 28 for the Target Evaluation programs to:

Yukon Mining Incentives program  
Economic Development  
Government of the Yukon  
Box 2703, Whitehorse, Yukon, Y1A 2C6

### **TO BE COMPLETED AFTER PROJECT COMPLETION AND ACCOMPANIED BY THE SUMMARY OR TECHNICAL REPORT**

Applicant Gordon MacKay File Number 95-054

Proposed project area(s) (NTS map no. and project name) completed?  
Attach list if space is insufficient.

- |    |                           |                       |            |    |
|----|---------------------------|-----------------------|------------|----|
| 1. | <u>Quartz Ck.</u>         | <u>1150/14, 01/15</u> | <u>Yes</u> | No |
| 2. | <u>S. Slavin/Mt Adney</u> | <u>116B/9</u>         | <u>Yes</u> | No |
| 3. | <u>West Hart</u>          | <u>116A/12</u>        | <u>Yes</u> | No |
| 4. | <u>Lomond</u>             | <u>116A/12</u>        | <u>Yes</u> | No |

Changes to proposed project(s) (if any).

Quartz Creek was added.

List other partners or personnel that worked on the project

Bert Lamb - Field Assistant.

#### **I. WORK PERFORMED BY APPLICANT**

1. Project #1 area/name Quartz Creek. No of days worked by Applicant

Traditional prospecting No of Samples 1

Geological surveys Scale \_\_\_\_\_

Geophysical surveys Type \_\_\_\_\_

Geochemical surveys Type Sediment Fine Fraction No of Samples 2

Drilling Type \_\_\_\_\_ Ft./m. \_\_\_\_\_

Trenching Method \_\_\_\_\_

Other Type \_\_\_\_\_

TOTAL 2

2. Project #2 area/name South Slavin / Mt. Adney No. of days worked by Applicant \_\_\_\_\_

Traditional prospecting No. of Samples 5 rock Samples \_\_\_\_\_

Geological surveys Scale \_\_\_\_\_

Geophysical surveys Type \_\_\_\_\_

Geochemical surveys Type Sediment Fine Fracture No. of Samples 9 \_\_\_\_\_

Drilling Type \_\_\_\_\_ Ft./m. \_\_\_\_\_

Trenching Method \_\_\_\_\_

Other Type \_\_\_\_\_

TOTAL 2

3. Project #3 area/name West Hart. No. of days worked by Applicant \_\_\_\_\_

Traditional prospecting No. of Samples 11 rock Samples \_\_\_\_\_

Geological surveys Scale \_\_\_\_\_

Geophysical surveys Type \_\_\_\_\_

Geochemical surveys Type FFSilt Soil No. of Samples 4 19 \_\_\_\_\_

Drilling Type \_\_\_\_\_ Ft./m. \_\_\_\_\_

Trenching Method \_\_\_\_\_

Other Type \_\_\_\_\_

TOTAL 5

4 Project #4 area/name Lomond. No. of days worked by Applicant \_\_\_\_\_

Traditional prospecting No. of Samples 8 rock \_\_\_\_\_

Geological surveys Scale \_\_\_\_\_

Geophysical surveys Type \_\_\_\_\_

Geochemical surveys Type Soil FFSilt No. of Samples 1 9 \_\_\_\_\_

Drilling Type \_\_\_\_\_ Ft./m. \_\_\_\_\_

Trenching Method \_\_\_\_\_

Other Type \_\_\_\_\_

TOTAL 5

Sample Processing  
in the Field

3 days.

**II. SIGNIFICANT RESULTS (please complete)**

Project Area	New Showings and/or Anomalies	Commodity	Best Analyses
<u>South Star</u>	<u>Fine Fraction Geochem Anomaly</u>	<u>Zn, Ni, Ag</u>	<u>3765ppm Zn, 375Ni</u>
<u>West Hart</u>	<u>Soil Geochem</u>	<u>Au</u>	<u>148ppb Au over 50m</u>
<u>Lomond</u>	<u>Fine Fraction Geochem</u>	<u>Zn, Ni, Ag</u>	<u>9504ppm Zn, 1724ppm Ni, 2.9ppm Ag</u>

**III. CLAIMS STAKED DURING/AFTER ACTIVITY (please complete)**

Project Area	Claim Numbers	Number of Claim Units
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**IV. OPTION AGREEMENTS RESULTING FROM YMIP PROJECT (please complete)**

Optionee	Property/Claim	Dollar Value of Work Component
_____	_____	_____
_____	_____	_____

**V. TYPE OF MINERAL EXPLORATION UNDERTAKEN (please check one)**

- ☒ Preliminary work on claims  
☐ Initial exploration  
☐ Advanced exploration  
☐ Development

**VI. VALUE OF GOODS AND SERVICES PURCHASED (estimate, please complete)**

Within the Yukon \$ \_\_\_\_\_

Outside the Yukon \$ \_\_\_\_\_

**VII. RESULTS OF MINERAL EXPLORATION (please complete)**

- ☒ The discovery of a new prospect.  
☐ The identification of a prospect warranting further exploration.  
☐ The identification of an economic mineral deposit.  
☐ The identification of a deposit which cannot support production.

## VIII. SUMMARY OF EXPENDITURES

**1. Daily Living Expense Claimed Only by Individuals**

No. of days x YG rate/person, per day ..... \$ \_\_\_\_\_

**2. Travel (state method: road, air, etc.)**

Truck - total km x YG rate/km ..... \$ \_\_\_\_\_

Air ..... \$ \_\_\_\_\_

**3. Analyses/Assay Costs** ..... \$ \_\_\_\_\_

**4. Equipment Rentals/Supplies (specify)**

\_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

**5. Contractors (state name and type of work)**

\_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

**6. Line Cutting** ..... \$ \_\_\_\_\_

**7. Geochemical Survey (specify sample type)**

No. of Samples x Price per Assay ..... \$ \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

**8. Geophysical Survey (specify type of survey)** ..... \$ \_\_\_\_\_

**9. Trenching (specify equipment used)**

\_\_\_\_\_ \$ \_\_\_\_\_

**10. Drilling (specify diamond, percussion or auger)** \_\_\_\_\_

No. of meters x Price per meter. . . . . \$ \_\_\_\_\_

**11. Report Preparation** ..... \$ \_\_\_\_\_

**12. Other Expenses (specify, i.e. helpers)**

\_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_ \$ \_\_\_\_\_

**TOTAL EXPENDITURES** \$ \_\_\_\_\_

Attach list if space is insufficient.

The Department of Economic Development may verify all statements related to and make herin this application.

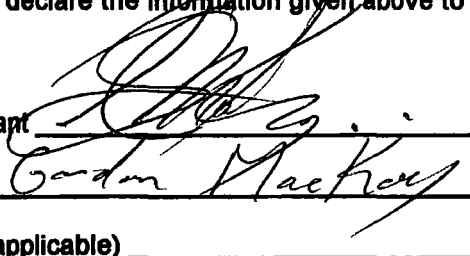
1. I am the person, or the representative of the company or partnership, named in the Application for Contribution under the Yukon Mining Incentives Program.
2. I am a person who is nineteen years of age or older, or represent a person, who is ordinarily a resident of Canada.
3. I have complied with all the requirements of the said program.
4. I hereby apply for the final payment of a contribution under the Yukon Mining Incentives Program (YMIP) and declare the information given above to be true and accurate.

Signature of Applicant

Date

Name (print)

Position or Title (if applicable)

 Date March 11/96  
Gordon MacKay  
\_\_\_\_\_  
\_\_\_\_\_