GEOCHEMICAL REPORT ON THE

BLUE CLAIM
GRANT NUMBER: YC01993

NTS 105M/14

LATITUDE: 63° 54' 20"
LONGITUDE: 135° 19' 30"

MAYO MINING DISTRICT

REGISTERED OWNER: **WILLIAM D. MANN**

AUTHOR: WILLIAM D. MANN, M.Sc.

WORK PERFORMED OCTOBER 5, 1999

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of $ 500 .

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

TABLE OF CONTENTS

CLAIM LIST: BLUE claim, Grant Number YC01993

GEOCHEMICAL SURVEY METHODS, ANALYSIS and DATA:

Location and Access

The claim straddles Lightning Creek canyon, southwest of Keno City. Access is from the Duncan Creek road.

Previous Work

The Blue claim covers an area previously staked as the Blue Jacket. The Blue Jacket claim was staked by Thomas Hinton in 1920. A small adit was driven in the 1920's (probably). No record of this work was found. The claim was acquired by United Keno Hill, and lapsed in 1999. There is no physical evidence of work other than the adit (described below). The claim is adjacent to the Flame and Moth mine, which was in production when mining in the district by United Keno Hill Mines ceased in 1989. The Flame and Moth mine hosts significant mineralized resources.

Sampling Methods

The survey line was established by hip chain and compass, with flagging tape used to mark each sample site. Soil samples were collected from holes dug with a spade, from the greatest depth easily obtained. The mineral soil was placed into Kraft paper soil sample bags. Samples were dried, and then placed in plastic rice bags for shipment to the analytical laboratory.

Analytical Methods

All of the samples collected in this prospecting program were analyzed in one batch by Acme Analytical Laboratories Ltd. of Vancouver.
Soil samples were analyzed by the Group 1F1 Ultratrace multi-element procedure as follows: 1.00 gm sample leached with 6 ml 2-2-2 HCl - HNO3 - H2O at 95 degrees C for one hour, diluted to 20 ml, analyzed by ICP/ES & MS.

The rock sample had abundant visible mineralization, and was analyzed by the Group 7 multi-element assay as follows: 1.000 gm sample with aqua – regia digestion to 100 ml, analyzed by ICP-ES.

Analytical Results

The mineralization from the adit is low grade for the Keno Hill area: 6.44 oz/t Ag associated with 7.11 % Pb indicates a low-grade concentrate. This is from a single sample, and may not be representative. This sample should be analyzed for Au also.

The soil line (28791 – 28799) returned good anomalies for Au (to 53 ppb), Ag (144 to 397 ppb), Cd, Sb, As and Hg. Note the variation in the soil textures and colours, which may indicate a changing geochemical environment. The soil is dominantly clay at the western boundary, and becomes silty and sandy near the eastern boundary. Surficial geology in this area is complex, as indicated by Bond (1998). Four different map units occur near the survey area.

Full analytical results are presented in a table appended below.

GEOLOGY:

The claim is underlain by the Keno Hill Quartzite, as mapped by Murphy and Roots (1996). According to Boyle (1965), the claim is underlain by the schists and phyllites which immediately overlie the Keno Hill Quartzite.

An old adit was found on south side of creek, just downstream from a sharp bend in the creek, near old placer mining junk. About 5m above creek level. Adit measures about 1.0m wide by 1.4m high and extends about 5m into the cliff. The adit is driven on a vein fault about 40cm wide, dipping 70 degrees east and striking 010 degrees. The vein fault contains a quartz vein with accessory siderite, calcite, pyrite, galena, sphalerite and tetrahedrite (?). The vein is oxidized near surface, with limonite, hematite, jarosite and sulphates (?). The vein fault is exposed in the cliff face for approximately 25m.

A secondary splay fault joins the main vein fault at adit level. This fault strikes 040 degrees and dips 35 degrees East, is narrow and poorly mineralized. It cannot be traced for more than a few metres.

Rock Sample: Blue – 015 Selective grab of mineralized quartz vein material from the adit.

Some barren bull quartz is associated with both vein faults, especially the secondary fault. The host rock for the vein fault is muscovite-rich, not carbonaceous. 6.44 oz/t Ag, 7.11% Pb.

On the north side of the creek, along strike from the vein there is no outcrop. Muscovite +/- chlorite phyllite is abundant in float here.

CONCLUSIONS AND RECOMMENDATIONS:

The vein fault exposed on the claim is not too attractive, due to its narrow width and low grade. However, this mineralized structure may indicate good potential at depth, where quartzite becomes more thickly bedded. The host rock in the canyon is mostly schist, phyllite and thin-bedded quartzite, not the thick-bedded quartzite that is the prime Keno area host rock. The location of the claim at the very top of the quartzite unit is favourable for potential mineralization through the entire thickness of the quartzite host unit. The mineralization at the adjacent Flame and Moth claims may continue onto the Blue claim, as some structures trend in this direction.

Soil geochemistry appears to work well in this area, and a more extensive survey is recommended. It may be possible to trace the vein fault through the thin overburden on the plateau above the canyon.

Geochemical Survey Field Notes:

Geochemical survey of BLUE claim.

From south edge of canyon on western claim boundary head 100m at 160 degrees along claim boundary. Start geochem line at 070 degrees azimuth, sample every 50m.

0m - Soil Sample 028791 from 30 – 40cm. Grey clay with angular phyllite cobbles.

50m - Soil Sample 028792 from 25 – 40cm. Stiff grey clay with minor yellow specks.

Edge of canyon reached at 60m, change bearing to 100 degrees azimuth to stay above cliffs.

100m - Soil Sample 028793 from 30 – 45cm. Grey-brown clay with round pebbles and cobbles.

150m - Soil Sample 028794 from 30 - 40cm. Grey-brown clay with round pebbles.

185m – small creek flows north.

200m – No Sample 40cm of organics, then permafrost.
Change bearing back to 070 degrees.

250m - Soil Sample 028795 from 25 – 35cm. Saturated grey-brown clay.

300m - Soil Sample 028796 from 30 – 40cm. Grey-brown clay.

350m - Soil Sample 028797 from 15 – 25cm. Yellow-grey clay-silt-pebble till.

Creeks at 335m and 355m flow north, join together just downstream from sample.

400m - Soil Sample 028798 from 15 – 40cm. Yellow-brown fine sand.

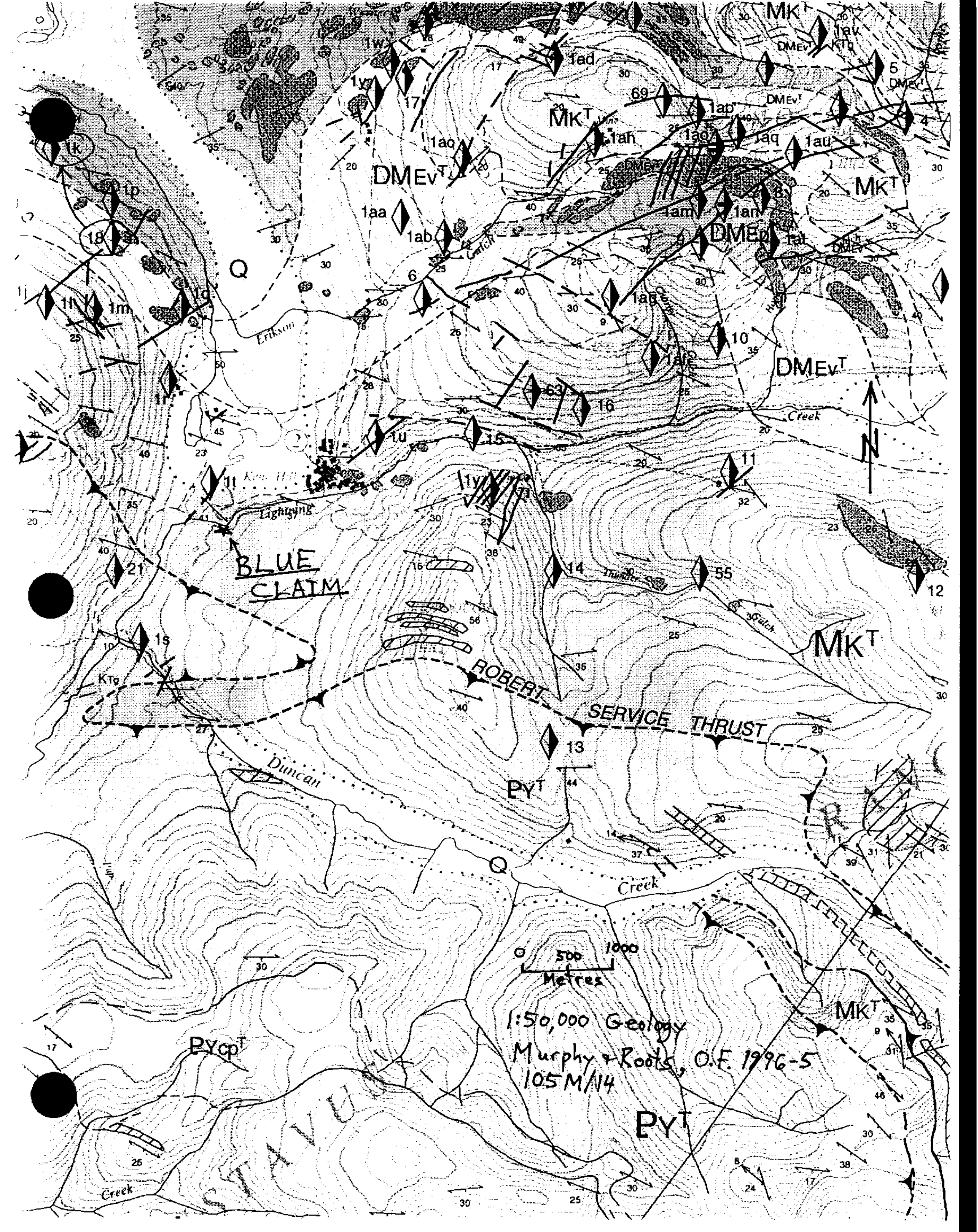
450m - Soil Sample 028799 from 5 – 30cm. Yellow-brown silty till with subround pebbles and cobbles.

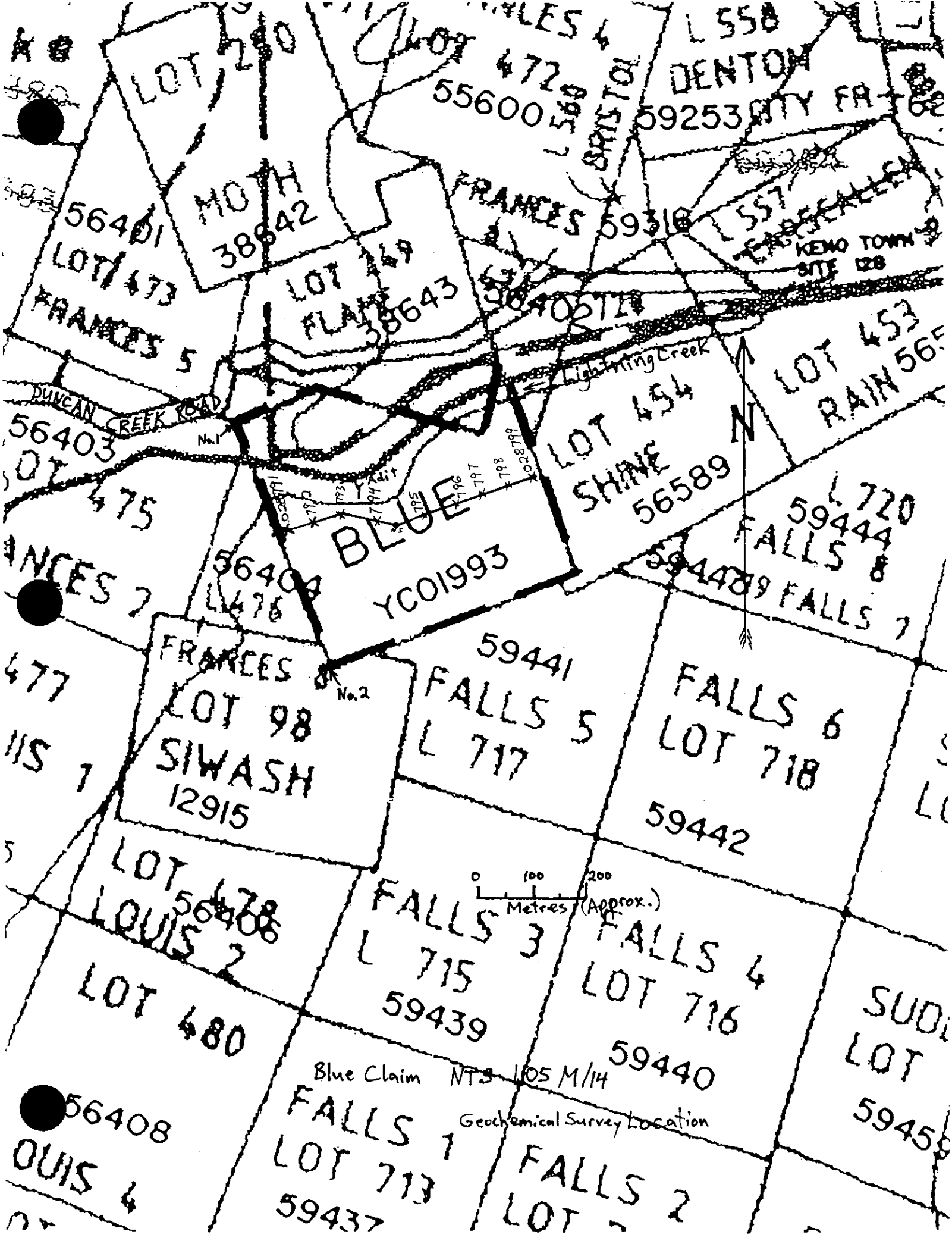
PROSPECTING FIELD NOTES:
Outcrop on the claim mostly occurs at cliffs along Lightning Creek canyon, downstream from Keno City.
South side of creek, along the western claim boundary: Muscovite phyllite, musc.-chlorite phyllite. Minor thin-bedded quartzite. Gently south-dipping cleavage and compositional layering. Quartz sweat veins common. Local isoclinal (recumbent) folds. Minor folds are common.

Small ledges of muscovite-chlorite phyllite on plateau beyond the canyon cliffs.

Head East (070 degrees) along the southern boundary of the claim.
Small stream at 170m flows north.
Small stream at 410m flows north.
No outcrop along the southern claim boundary. Mostly moss, scattered spruce trees, local bog with willows.

Head North along the eastern claim boundary.
No outcrop along this line at the canyon, head downstream (west) to look for old adit on Boyle's map.
Carbonaceous phyllite at base of cliffs is black, but not graphitic enough to blacken hands. Local rusty patches with narrow quartz sweats.
Folding is common, irregular. Local chlorite-muscovite phyllite.
Creek makes a sharp bend at cliff (approximately the middle of the claim), have to cross creek back and forth a few times. Would be a good place on a hot summer day. Recommend rubber boots.
Lots of steep cliffs, all appear to be more or less carbonaceous phyllite.
Southwest dip to cleavage and layering. Minor folds common.


BLUE CLAIM
ROBERT SERVICE THRUST
MK^T
DMEv^T
PY^T
PYcp^T
Q
Erikson
Lightning
Duncan
Creek
Thunder
Gulch
0 500 1000
Metres
1:50,000 Geology
Murphy + Roots, O.F. 1996-5
105 M/14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LOT 472
55600
DENTON
59253
MOTH
38642
56461
LOT 473
FRANCES 5
LOT 469
FLAKE
38643
FRANCES
59316
KEMO TOWN 3
SITE 128
Lightning Creek
DUNCAN CREEK ROAD
No.1
56403
LOT 475
LOT 454
SHINE
56589
LOT 453
RAIN
BLUE
YC01993
56404
LOT 476
FRANCES 7
FRANCES 8
LOT 98
SIWASH
12915
59441
FALLS 5
L 717
FALLS 6
LOT 718
59442
59444
FALLS 8
59443
FALLS 7
No.2
LOT 478
56406
LOUIS 2
FALLS 3
L 715
59439
FALLS 4
LOT 716
59440
LOT 480
56408
LOUIS 4
FALLS 1
LOT 713
59437
FALLS 2
0 100 200
Metres (Approx.)
Blue Claim NTS 105 M/14
Geochemical Survey Location

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	S %
S02384	1.54	53.41	13.35	102.4	399	29.2	14.2	552	2.25	105.4	1.2	2	1.6	29.8	.44	.73	.44	37	.70	.088	16.6	22.9	.50	332.9	.021	2	1.13	.009	.05	.2	.12	35	.9	.04	3.6	.04
S02385	2.34	27.61	9.86	61.1	181	23.1	10.3	338	2.26	34.9	1.0	1	4.1	27.9	.19	.87	.30	38	.55	.076	16.6	22.8	.46	304.3	.032	2	1.10	.012	.06	.2	.11	29	1.0	.03	3.6	.04
S02386	1.85	43.77	49.01	185.6	675	45.2	14.6	790	2.31	26.3	2.5	2	4.4	15.9	.44	1.54	.14	37	.23	.067	22.7	22.8	.42	222.7	.040	1	1.12	.005	.03	<.2	.05	58	.8	.02	3.1	.01
S02387	1.50	36.46	54.02	339.4	756	55.2	15.6	1751	2.97	54.6	3.1	2	3.1	20.5	.56	1.66	.16	39	.24	.069	18.4	25.4	.43	164.3	.038	1	1.17	.006	.04	<.2	.05	66	.9	.04	3.4	.01
S02388	1.85	52.29	25.29	144.0	615	43.4	14.1	727	2.69	27.4	3.8	4	4.1	22.4	.48	1.29	.22	49	.43	.074	18.7	28.3	.50	453.6	.034	1	1.50	.008	.05	<.2	.11	100	.6	.02	4.3	.01
T28748	.60	16.57	7.75	40.0	73	19.3	6.2	144	1.83	12.8	.5	1	4.5	10.1	.07	.96	.14	32	.11	.037	16.2	16.5	.27	154.3	.025	1	1.00	.004	.05	.3	.04	17	.4	.03	2.7	<.01
T28749	.71	13.00	7.83	40.9	37	18.5	6.2	164	1.92	14.0	.6	1	4.8	9.3	.04	.96	.13	35	.10	.034	13.5	19.3	.27	162.4	.028	1	1.01	.003	.04	.2	.05	30	.4	.03	2.7	<.01
T28750	.63	11.92	8.77	46.8	79	15.0	6.0	223	1.88	11.1	.4	<1	4.0	6.7	.06	.67	.15	41	.05	.024	13.9	20.9	.30	185.5	.028	1	1.10	.004	.04	<.2	.06	21	.4	<.02	3.4	<.01
T28751	.44	35.39	10.67	72.7	50	34.9	12.5	469	3.40	9.9	1.7	<1	14.5	15.0	.02	.45	.28	28	.21	.043	53.0	20.7	.65	192.2	.010	<1	1.52	.004	.04	<.2	.06	68	.2	.13	4.3	<.01
T28752	.72	17.37	9.88	47.1	34	18.1	7.0	208	2.14	11.7	1.3	<1	5.7	11.5	.04	.90	.10	43	.13	.036	20.4	23.0	.39	260.0	.038	<1	1.28	.004	.04	<.2	.08	45	.8	.03	3.7	<.01
T28753	.69	17.93	9.80	38.2	50	16.9	6.4	174	1.77	9.7	1.1	1	4.7	13.5	.06	.71	.16	40	.16	.022	18.1	18.3	.32	267.4	.031	<1	1.09	.005	.03	<.2	.06	31	.5	.03	3.6	<.01
T28754	1.03	31.61	10.64	58.4	30	24.6	8.3	300	2.29	13.6	1.0	1	6.4	14.9	.09	1.13	.19	45	.15	.018	24.1	19.2	.43	363.1	.048	<1	1.17	.006	.04	<.2	.05	60	.5	.02	3.7	.01
T28755	.55	17.94	12.39	42.7	12	18.2	6.8	178	2.15	9.7	.9	<1	8.5	8.2	.05	.64	.16	24	.07	.025	29.8	15.9	.32	92.9	.017	<1	.99	.003	.03	<.2	.04	32	.3	<.02	2.9	<.01
T28756	.44	31.91	13.53	56.0	82	25.2	9.5	330	2.50	8.0	1.8	1	11.8	18.6	.02	.56	.27	22	.25	.038	42.7	15.1	.38	223.7	.012	<1	1.06	.004	.04	<.2	.08	106	.3	.24	3.1	.01
T28757	.75	40.14	17.48	49.3	132	21.6	13.4	419	2.35	31.7	.8	5	5.4	12.1	.25	2.19	.26	29	2.67	.085	13.8	19.4	.74	145.4	.052	<1	.85	.008	.17	.3	.08	31	.5	.12	2.6	.01
T28758	.92	22.17	11.78	35.0	47	21.4	10.2	189	2.10	17.8	.5	2	4.1	14.4	.09	.93	.16	36	.24	.023	11.1	20.4	.51	136.0	.056	1	1.21	.006	.11	<.2	.07	10	.2	.04	3.6	.01
T28759	.84	16.79	8.01	37.1	29	20.9	8.1	186	2.08	8.2	.7	<1	5.2	17.1	.05	.70	.18	48	.27	.017	13.1	28.5	.47	96.0	.120	<1	1.22	.010	.17	.2	.10	15	.4	.02	4.0	<.01
T28760	.39	21.11	6.74	28.5	469	16.1	6.6	396	1.82	8.6	2.9	<1	5.3	17.0	.06	.46	.19	46	.17	.023	14.5	16.8	.23	144.3	.084	<1	1.44	.028	.12	.8	.07	29	.1	.02	4.4	<.01
RE T28760	.43	22.69	7.47	29.1	523	16.9	7.1	412	1.87	9.2	3.2	<1	5.6	17.9	.06	.49	.20	46	.18	.024	15.4	16.7	.24	151.5	.085	<1	1.50	.029	.13	.2	.07	27	.1	<.02	4.7	<.01
T28761	.16	8.22	2.14	11.2	141	4.9	2.9	181	.90	6.1	.4	<1	1.4	11.0	.02	.20	.08	32	.12	.017	5.1	5.8	.08	77.2	.052	<1	.55	.033	.06	<.2	.02	16	.2	<.02	2.1	<.01
T28762	.78	12.41	7.30	36.0	41	18.2	7.3	195	1.73	7.1	.7	<1	4.9	16.7	.05	.58	.17	48	.28	.025	13.7	26.5	.47	100.0	.123	1	1.12	.010	.16	.2	.09	10	.4	.02	3.9	<.01
T28763	.98	17.46	10.48	50.4	57	20.7	8.1	224	2.18	16.5	.7	4	6.0	11.7	.08	.61	.30	53	.16	.039	12.8	25.2	.48	140.7	.105	<1	1.50	.010	.14	.5	.12	13	.3	.05	5.6	<.01
T28764	.64	10.63	4.69	25.4	21	10.8	4.4	116	1.34	5.3	.7	<1	3.3	9.8	.05	.47	.17	38	.10	.012	9.5	14.3	.26	76.8	.070	<1	.90	.013	.04	.2	.07	14	.2	<.02	3.5	<.01
T28765	.66	15.12	9.73	83.8	57	10.2	11.2	301	1.80	4.3	.6	<1	2.5	13.8	.31	.33	.49	50	.14	.058	8.9	11.5	.24	125.8	.094	<1	1.22	.013	.11	.4	.11	10	.2	.02	6.7	<.01
T28766	.53	9.76	6.26	52.8	42	12.3	6.7	400	1.59	6.1	.6	<1	4.2	16.2	.10	.39	.22	39	.25	.034	10.1	19.4	.31	171.6	.082	1	.99	.008	.12	.3	.09	8	.2	<.02	4.0	<.01
BLUE Claim Soil Samples																																			
T28791	.97	39.51	21.40	107.5	397	26.0	10.5	311	2.46	25.4	3.7	5	4.5	29.2	.49	1.47	.25	46	.49	.076	16.4	24.2	.46	247.2	.029	1	1.38	.007	.06	<.2	.10	72	1.5	.04	4.2	.02
T28792	1.05	28.59	19.45	81.5	319	22.5	11.2	270	2.53	25.5	1.7	53	4.7	26.6	.29	1.24	.19	42	.46	.075	15.6	22.2	.42	205.7	.032	1	1.20	.006	.05	<.2	.08	52	1.1	.02	3.6	.02
T28793	1.20	21.88	21.52	122.9	259	24.0	13.5	2458	2.17	22.5	1.3	2	2.0	64.2	.63	1.17	.18	32	1.21	.077	9.6	20.0	.40	270.3	.021	3	1.01	.007	.04	.2	.07	63	1.3	.03	3.1	.07
T28794	.65	21.00	19.28	106.9	268	22.4	8.9	325	2.13	18.3	1.8	2	2.9	42.8	.54	1.06	.17	37	.76	.080	11.7	21.5	.43	237.4	.022	1	1.18	.006	.04	<.2	.07	54	1.3	.03	3.5	.07
T28795	.58	24.20	16.96	89.5	261	21.5	8.0	275	1.86	12.6	1.3	3	3.8	34.7	.43	.95	.16	34	.52	.072	13.5	19.3	.38	188.7	.030	1	1.05	.007	.04	<.2	.06	55	.9	.02	3.1	.04
T28796	.15	16.18	16.43	82.8	144	19.5	8.1	129	1.38	5.8	.9	<1	4.6	36.3	.49	.73	.11	29	.51	.065	16.3	16.4	.33	180.6	.040	1	.85	.009	.04	.2	.04	126	1.2	<.02	2.7	.06
T28797	.70	16.37	12.17	44.2	146	14.3	4.7	107	1.18	16.1	.5	1	2.5	9.7	.17	1.17	.08	21	.17	.050	10.2	9.5	.21	64.5	.037	<1	.56	.003	.02	<.2	.03	39	.5	<.02	1.7	<.01
T28798	.95	26.69	17.94	51.7	249	15.9	5.2	366	1.15	27.2	.3	2	2.4	7.0	.38	1.98	.08	16	.14	.057	9.0	9.4	.17	79.2	.035	<1	.39	.002	.02	<.2	.02	23	.4	<.02	1.2	<.01
T28799	.74	21.15	12.08	56.3	145	18.2	6.5	181	1.68	11.8	.6	2	3.3	12.2	.25	1.05	.12	35	.17	.049	13.8	13.9	.33	137.5	.049	<1	.98	.005	.03	<.2	.04	29	.5	.02	2.8	<.01
STANDARD DS2	14.49	132.48	31.63	166.1	267	38.2	12.9	847	3.30	59.3	21.3	189	3.7	31.1	11.50	10.72	11.06	85	.57	.082	18.1	160.1	.63	152.0	.128	3	1.87	.034	.18	6.7	1.91	245	2.6	1.85	6.4	.02

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

Data ✓ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Mann, Bill PROJECT 1999 Prospecting File # 9904410

19 Hayes Cres., Whitehorse YT Y1A 5R2 Submitted by: Bill Mann

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag oz/t	Ni %	Co %	Mn %	Fe %	As %	U %	Th %	Cd %	Sb %	Bi %
Blue Adit-015	<.001	.041	7.11	.09	6.44	<.001	.001	.01	9.69	6.30	<.01	<.01	.001	.021	.01
Ironclad-016	<.001	.003	.04	.01	.10	<.001	<.001	.03	1.55	.05	<.01	<.01	<.001	<.001	<.01
Railroad-017	<.001	.025	.71	.82	1.45	.003	.001	.09	3.91	.01	<.01	<.01	.007	.004	<.01
Railroad-018	<.001	.012	<.01	.01	.04	.004	.002	.09	5.33	.01	<.01	<.01	<.001	<.001	<.01
Railroad-019	<.001	.065	<.01	.02	.06	<.001	.001	.19	10.09	<.01	.01	<.01	<.001	<.001	<.01
Railroad-020	<.001	.025	1.82	2.73	3.58	.002	.001	.09	4.18	.01	<.01	<.01	.030	.008	.01
RE Railroad-020	<.001	.026	1.88	2.81	3.62	<.001	.001	.10	4.33	.02	<.01	<.01	.031	.009	<.01
STANDARD GC-2	.015	.923	9.03	16.70	30.01	.004	<.001	.19	11.02	.16	<.01	<.01	.092	.805	<.01

GROUP 7 - MULTI ELEMENT ASSAY - 1.000 GM SAMPLE, AQUA - REGIA DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 12 1999 **DATE REPORT MAILED:** Nov 23/99 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data /FA

STATEMENT OF COSTS

One day of field work:	$400.00
One half day report preparation:	$200.00
Analytical Costs:	
Shipping (10/90 X $59.19)	$ 6.58
Soil Preparation (9 X $1.35)	$ 12.15
Rock Preparation	$ 4.25
Soil Analysis (9 X $12.50)	$ 112.50
Rock Analysis	$ 12.00
TOTAL:	**$747.48**

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84	ULTRATRACE ICP ANALYSIS @	12.50	1050.00
6	15 ELEMENT ICP ASSAY @	12.00	72.00
66	SOIL SAMPLE PREPARATION @	1.35	89.10
24	ROCK SAMPLE PREPARATION @	4.25	102.00
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ect: 1999 Prospecting
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FILE # 9904408, 9904409 & 99044

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WHITEHORSE 497 173741
11/10/99 11:33 AM 11
ACTUAL WEIGHT 59 LBS
DECLARED VALUE NDV

2 PIECES

EXPRESS 55.32
GSTBC 3.87

TOTAL 59.19

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FORM 256 REV 89/10/96

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STATEMENT OF QUALIFICATIONS

WILLIAM D. MANN
19 HAYES CRESCENT, WHITEHORSE, YUKON

1. I am a Graduate of Queen's University, 1986, with a Master of Science Degree in Mineral Exploration Geology.

2. I am a Graduate of the University of British Columbia, 1983, with a Bachelor of Science Degree in Geology.

3. I have worked in mineral exploration and mining since 1979.

4. I conducted the geochemical and prospecting surveys of the Blue Claim in October, 1999.

5. I am the owner of the Blue Claim.

July 19, 2000

William D. Mann, M.Sc.