

GEOCHEMICAL REPORT ON THE

ONE CLAIM

GRANT NUMBER: YC01994

NTS 105M/14

094150

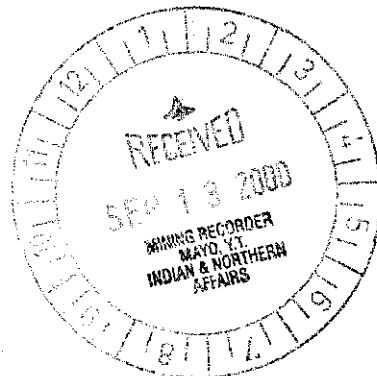
LATITUDE: 63° 55' 00"
LONGITUDE: 135° 16' 00"

MAYO MINING DISTRICT

REGISTERED OWNER: **WILLIAM D. MANN**

AUTHOR: WILLIAM D. MANN, M.Sc.

WORK PERFORMED JULY 25, 2000



This report has been examined by
the Geological Survey of Canada
under Section 53 of the Quartz
Mining Act and is allowed as
revenue in the amount
of \$ 500.00.

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

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CLAIM LIST: ONE claim, Grant Number YC01994. Claim posts were tagged on the same day as the geochemical survey.

GEOCHEMICAL SURVEY METHODS, ANALYSIS and DATA:

Location and Access

The claim is cut by the road leading from Keno City to Keno Summit, and also by a branch road that leads to Thunder Gulch.

Previous Work

The ONE claim covers an area previously staked as the AILA claim, grant number YB80813. The ground has also been held by several other owners over the years. One old, shallow test pit or trench was observed on the claim, but no major workings were discovered. The trench was found near sample 28776, and measured about 4 metres long by 1 metre wide, and 1 metre deep. The trench is overgrown.

The claim lies just west of the Ironclad (Ankeno) workings, south of the Christal showing, northwest of the Hogan (Mount Keno) workings, east of the Onek mine, and north-northwest of the Bellekeno mine.

Sampling Methods

The survey line was established by hip chain and compass, with orange flagging tape used to mark each sample site. The survey line runs due east from the southwestern claim boundary, and bisects the two roads. The survey was started 20 metres below the upper road, and samples were collected every 50 metres to the far side of the claim. The last sample was collected near a survey marker at the southern corner of the Agram Fraction (grant 62132).

Ten soil samples (numbered 28771 – 28780) were collected from holes dug with a spade, from the greatest depth easily obtained, in the B or C horizon of mineral soil. The sample holes were filled in after sampling. The mineral soil was placed into Kraft paper soil sample bags. Samples were dried, and then placed in a cardboard box for shipment to the analytical laboratory by Greyhound bus.

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: 15.00 gm sample leached with 90 ml 2-2-2 HCl - HNO₃ - H₂O at 95 degrees C for one hour, diluted to 300 ml, analyzed by ICP/ES & MS.

Analytical Results

The survey returned weak anomalies in gold, silver and lead. The anomalies are not coincident, and do not warrant immediate followup. Ultratrace ICP geochemistry is thought to be the most powerful geochemical method currently available, as it allows one to distinguish very subtle anomalies in many elements, including bismuth and gold.

GEOLOGY:

The claim is underlain by the Keno Hill Quartzite, as mapped by Murphy and Roots (1996), and previously by Boyle (1965). No true outcrop was observed, but quartzite subcrop is present locally in the road cut. Blocky quartzite talus is common in the southern part of the claim.

The overburden at the claim was mapped by Bond (1998) as unit Cv, Colluvium veneer. This unit conforms to bedrock topography, and averages less than one metre thick.

CONCLUSIONS AND RECOMMENDATIONS:

The geochemical survey returned dissappointing results, which do not warrant immediate followup. The relatively thin, colluvial nature of the overburden indicate that geochemical surveys are appropriate for this area. The ultratrace ICP method of analysis is likely a good method for discovery of polymetallic vein deposits.

The claim is favourably situated in the central part of the Keno Hill Quartzite formation, the most favourable host for mineralization in the area. The claim is surrounded by mineralized showings, underground workings, and past producing mines. The Onek and Bellekeno mines are among the most strongly mineralized veins in the district, and vein fault structures at these mines may trend onto the One claim. There is little if any outcrop on the claim, and mineralization may be present beneath the overburden.

Geochemical Survey Field Notes - Sample Descriptions:

28771 - 20 cm depth, orange clay-rich soil with angular pebbles to boulders

28772 - 20 cm depth, yellow till with angular rock fragments

28773 - 30 cm depth, grey-brown silt under 20 cm moss/ organic layer

28774 - 25 cm depth, brown till, angular to subround pebbles and cobbles

28775 - 20 cm depth, brown clay-rich till. Steep side-slope below road, garbage in area.

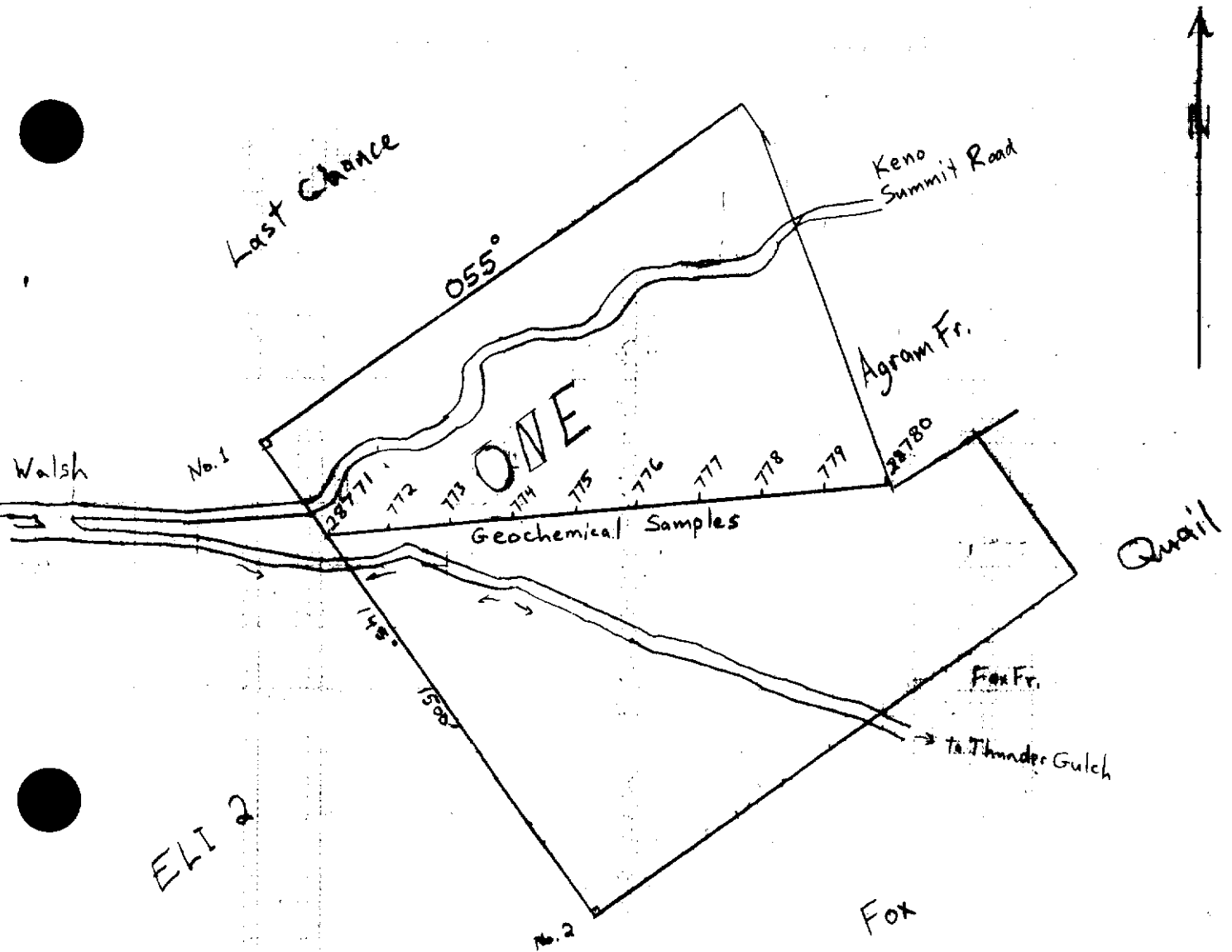
28776 - 10 cm depth, yellow-brown silty till, immediately below old test pit (totally overgrown, no sign of bedrock).

28777 - 10 cm depth, red-brown silty till, angular boulders nearby.

28778 - 15cm depth, red-brown silty till

28779 - 15 cm depth, red-brown silty till, angular boulders on a well-drained ridge.

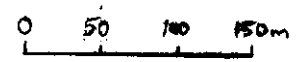
28780 - 15 cm depth, silty soil, brown. Near this station is an old survey post with a stone cairn and carved wooden post (rotten) engraved: 99879 VIII. LXIII. MLIV. Thought to be boundary marker of Agram Fraction.



ELI 2

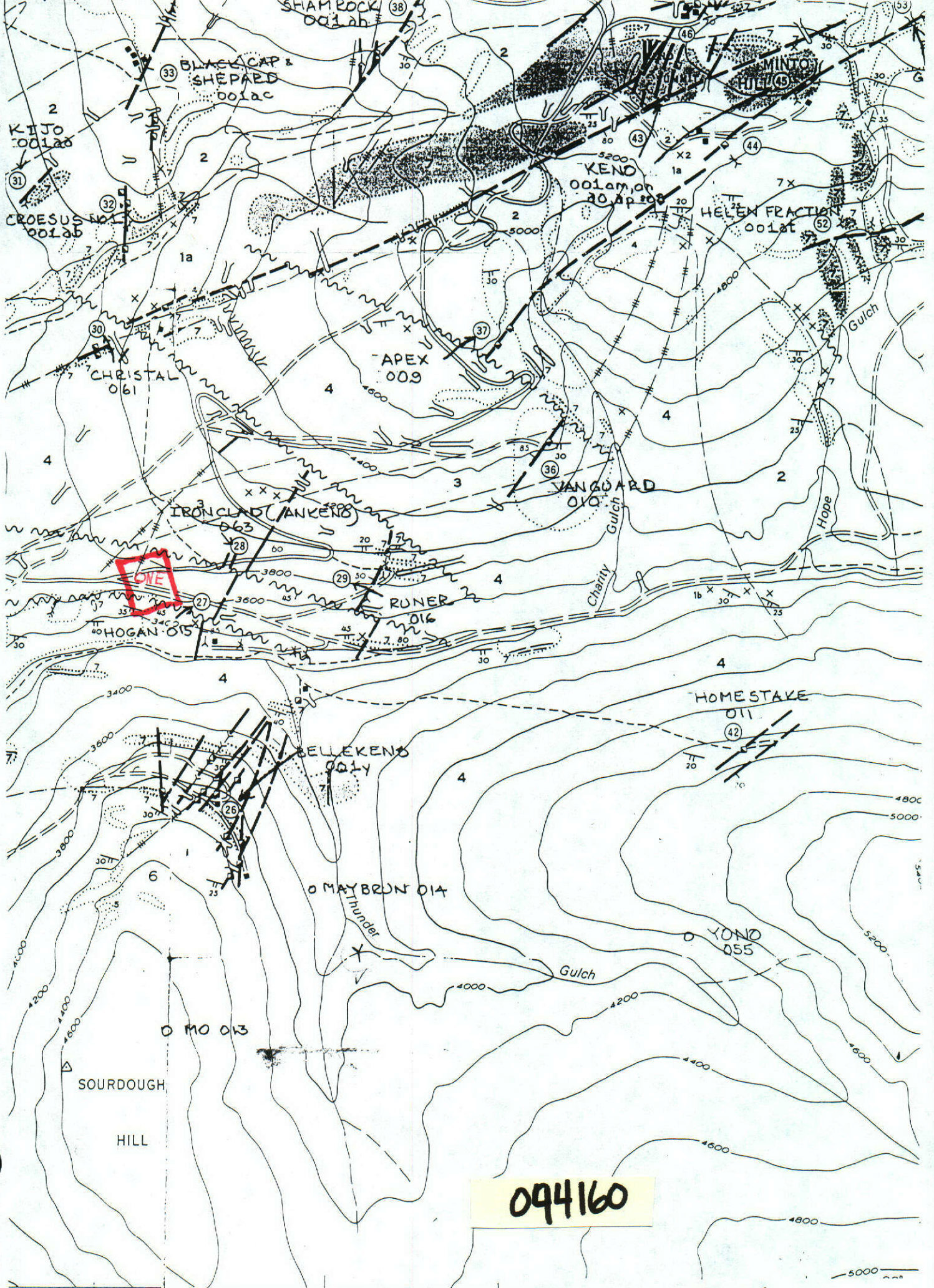
Soil Geochemistry

ONE CLAIM
GRANT # YC01994



1:5,000

105 M/14



094160

FIG 2d



GEOCHEMICAL ANALYSIS CERTIFICATE

Mann, Bill PROJECT ONE File # A002748
19 Hayes Cres., Whitehorse YT Y1A 5R2 Submitted by: Bill Mann

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	Sc	Tl	S	Hg	Se	Te	Ga	Sample
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm
28771	1.09	10.33	23.39	82.9	839	13.4	6.0	632	2.05	11.6	.3	1.3	2.1	10.3	.53	.80	.24	48	.08	.081	12.1	20.9	.25	209.8	.020	1	1.15	.004	.05	<.2	1.5	.07	.01	22	.4	.04	4.9	15
28772	1.36	16.42	21.13	83.7	310	20.3	5.5	237	1.98	27.2	.6	3.7	1.5	10.5	.31	1.67	.18	34	.07	.059	13.3	20.6	.27	91.9	.016	2	1.00	.004	.03	<.2	1.3	.05	.01	39	.5	.03	3.1	15
28773	1.46	18.68	25.86	68.0	535	17.4	6.3	240	2.37	17.5	.6	2.8	.9	9.3	.23	1.14	.21	53	.09	.061	12.6	26.5	.38	147.8	.026	<1	1.48	.005	.04	<.2	1.7	.09	<.01	39	.6	.04	5.0	15
28774	1.52	20.20	29.84	88.4	448	17.0	8.7	563	2.32	23.1	.5	1.6	1.2	10.0	.35	1.35	.19	49	.11	.074	13.2	21.9	.37	149.3	.029	<1	1.29	.004	.05	<.2	1.6	.07	<.01	24	.4	.03	4.5	15
28775	1.27	12.57	23.80	56.2	1117	12.5	4.5	193	1.80	12.1	.3	.8	1.6	8.9	.29	.81	.20	45	.08	.067	11.9	17.8	.27	136.5	.022	<1	1.11	.004	.05	.2	1.3	.07	<.01	28	.3	.03	4.7	15
28776	1.27	32.89	41.64	90.0	539	20.9	7.9	400	1.86	22.6	.7	4.6	3.0	9.4	.50	1.83	.18	30	.14	.073	12.8	17.4	.32	136.5	.030	<1	.86	.003	.03	<.2	2.0	.05	.01	31	.6	.03	2.4	15
28777	1.99	19.75	28.43	85.7	656	22.0	10.6	449	3.54	23.8	.5	2.9	2.9	10.5	.28	1.17	.25	67	.08	.081	12.2	36.1	.50	144.5	.033	2	1.90	.005	.06	.3	2.2	.09	.01	48	.6	.08	6.1	15
28778	1.48	14.56	25.52	74.4	676	16.8	7.5	401	2.76	21.8	.4	3.8	3.6	12.3	.34	1.03	.22	66	.11	.080	14.1	27.3	.41	203.0	.037	1	1.56	.005	.06	.2	2.2	.09	.02	43	.5	.05	6.1	15
28779	1.48	10.63	27.46	97.7	1062	13.5	6.4	241	2.73	16.9	.3	2.2	2.8	7.4	.59	.71	.29	68	.07	.050	10.5	23.6	.26	168.7	.020	1	1.62	.004	.04	.2	1.6	.08	.03	39	.4	.05	6.1	15
28780	1.34	14.78	31.27	56.5	322	15.5	4.6	167	2.08	14.4	.4	1.9	3.1	10.5	.18	1.05	.22	50	.08	.035	13.1	23.2	.35	122.1	.038	<1	1.26	.004	.04	<.2	1.7	.07	.03	33	.3	.04	4.8	15
RE 28780	1.25	14.83	31.58	56.9	322	15.8	4.7	160	2.07	14.3	.4	1.5	3.3	10.7	.16	1.05	.21	50	.09	.037	13.6	23.8	.35	124.0	.038	1	1.29	.005	.05	<.2	1.8	.07	.03	31	.3	.04	4.7	15
STANDARD	14.09	129.74	31.93	153.8	255	34.9	11.3	828	3.07	61.8	19.0	218.3	3.4	25.9	9.95	9.78	10.51	73	.51	.088	14.9	155.9	.60	149.5	.087	2	1.66	.031	.16	7.4	2.8	1.71	.02	245	2.3	1.98	5.6	15

Standard is STANDARD DS2.

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 3 2000 DATE REPORT MAILED: *Aug 13/00* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

STATEMENT OF COSTS

One day of field work:	\$400.00
One half day report preparation:	\$200.00
<u>Analytical Costs:</u>	
Shipping	\$ 25.60
Soil Preparation (10 X \$1.35)	\$ 13.50
<u>Soil Analysis (10 X \$18.50)</u>	<u>\$185.00</u>
 TOTAL:	 \$824.10



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Whitehorse, YT
Y1A 5R2

Inv.#: A002748
Date: Aug 12 2000

QTY	ASSAY	PRICE	AMOUNT
10	ULTRATRACE ICP BY ICP/MS (15 gm) @	18.50	185.00
10	SOIL SAMPLE PREPARATION @	1.35	13.50
			<hr/> 198.50
		GST Taxable	198.50
		7.00% GST	13.90
			<hr/> 212.40
	RECEIVED CHEQUE #077 - THANK YOU.		-148.20
		CAD \$	<hr/> 64.20

Project: ONE
Samples submitted by Bill Mann

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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 ONE Claim in July 2000.
5. I am the owner of the ONE Claim.

September 11, 2000



William D. Mann, M.Sc.