

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS
DATE RECEIVED DEC 22 1995

ASSESSMENT REPORT
FOR THE
1994 SOIL GEOCHEMISTRY AND PROSPECTING
OF THE WOLVERINE 1 & 2 MINERAL CLAIMS
OMINECA MINING DIVISION

NTS 93 L/5

LATITUDE 54° 23'N

LONGITUDE 127° 30'W

OWNED BY: RALPH KEEFE

WORK BY: RALPH KEEFE & DARYL HANSON

REPORT BY: D.J.HANSON

DECEMBER 1995

FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,201

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TRANS # _____

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1.0 INTRODUCTION

1.1 LOCATION AND ACCESS

The Wolverine 1 & 2 mineral claims are located approximately 4 km east of Burnie Lakes on the south side of the Telkwa Range within the Hazelton Mountains physiographic region of west central British Columbia. Access to the property is by helicopter from the town of Houston - approximately 60 km to the east (see Figures 1 ,2). The closest road access is the Thautil River Forest Service Road 15 km southeast.

The topography of both claims is a gentle to flat upland alpine surface, sloping off into subalpine scrub timber.

1.2 CLAIM OWNERSHIP

The Wolverine 1 & 2 mineral claims are wholly owned by Ralph Keefe. A summary of the current claim standing is as follows:

<u>CLAIM</u>	<u>RECORD NO.</u>	<u>UNITS</u>	<u>EXPIRY DATE*</u>
WOLVERINE 1	331443	15	Sept. 27, 1997
WOLVERINE 2	331134	16	Sept. 19, 1997

*pending acceptance of this report

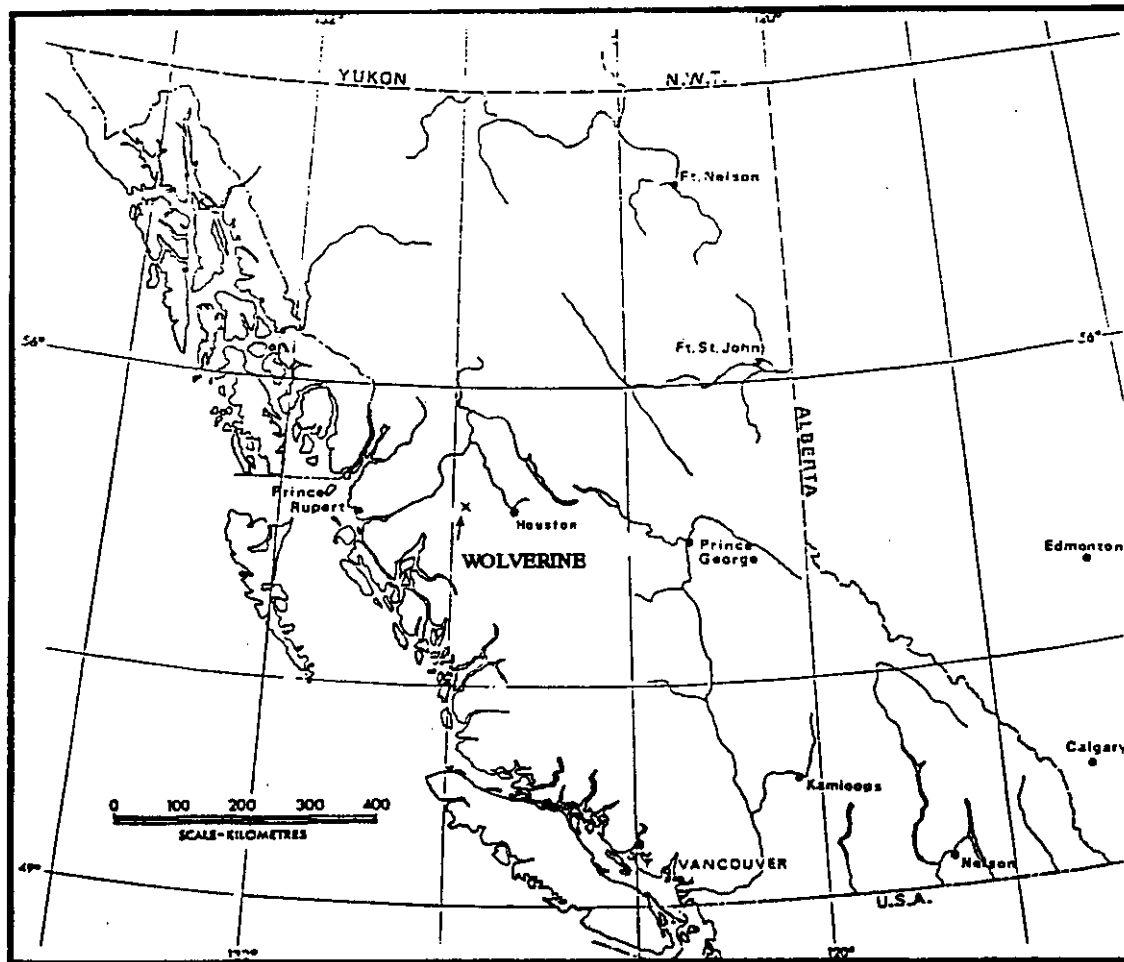


FIGURE 1 - PROPERTY LOCATION MAP

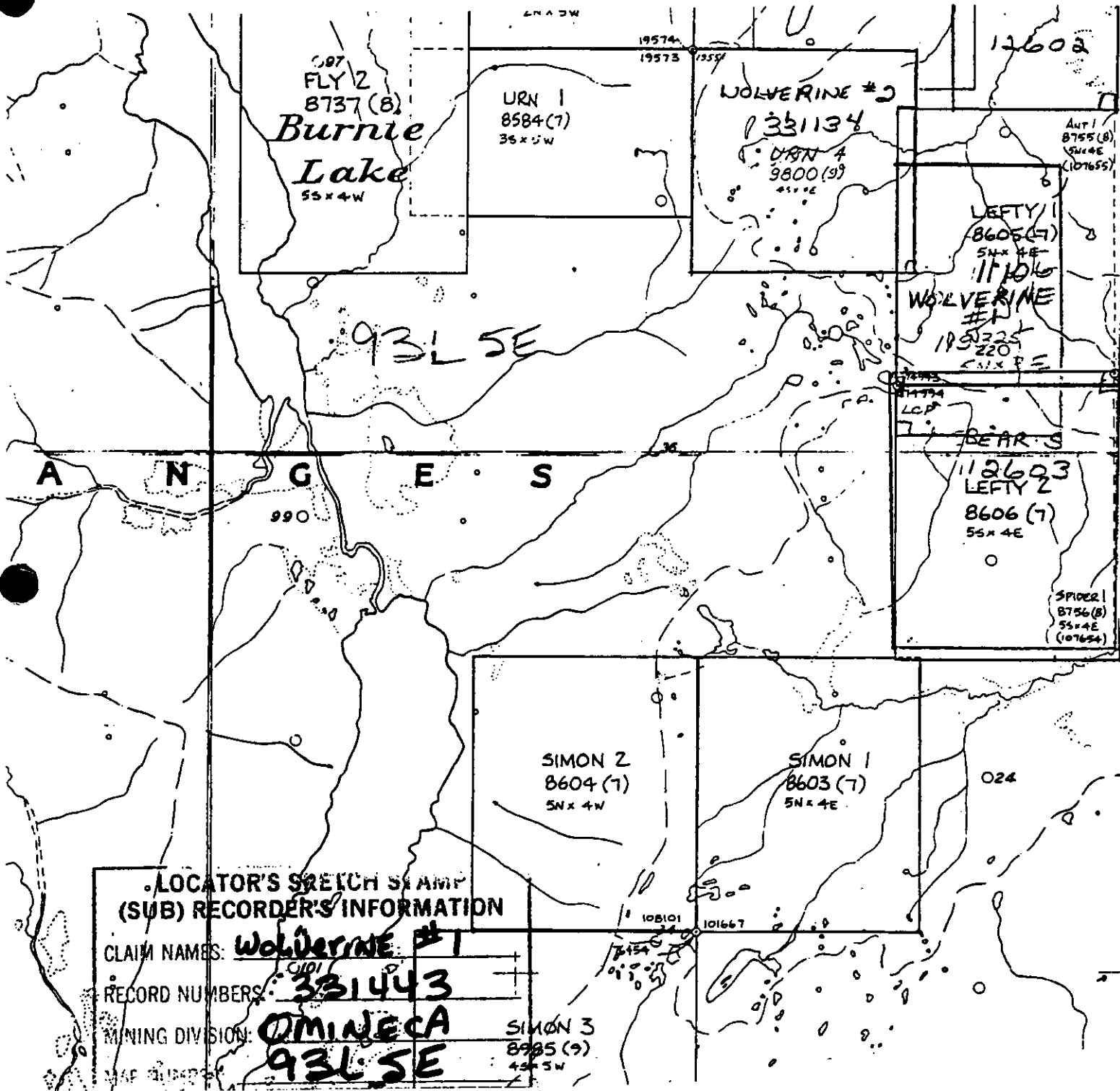


FIGURE 2 - CLAIM LOCATION MAP
1:50,000 SCALE

1.3 HISTORY

The copper-silver showing on the Wolverine 1 claim was discovered in 1988 by Equity Silver Mines Ltd. during follow-up prospecting of "heavy mineral" anomalies in the area. Work by Equity included an orientation soil sampling grid, and chip sampling of the showing. Weighted average grades for the showing were reported as 0.35% copper and 26.7 grams/tonne silver over 27.4 metres.

The area of the Wolverine 1 claim was actively explored by Atna Resources Ltd. in 1987-88. Work on the property included extensive prospecting which resulted in numerous new showings, soil geochemistry, VLF-EM, and minor mechanized trenching using a fly-in Kubota back-hoe. Targets were identified but never drill tested. The main quartz breccia zone (Lefty showing) assayed 0.145 oz/t across 4 feet in a composite chip sample.

1.4 PURPOSE

The purpose of the 1994 work program on the Wolverine claims was to confirm the findings of previous operators on the Wolverine 1 and to define the extent of the mineralized zone on the Wolverine 2 by soil geochemistry, rock geochemistry and prospecting.

1.5 SUMMARY

Prospecting on the Wolverine 1 claim confirmed that the "Lefty" quartz-pyrite-chalcopyrite vein extends for greater than two km along strike. Twelve bedrock samples were taken during the course of prospecting. Two samples of quartz breccia returned 2.74 g/t gold across 0.9 metres and 1.94 g/t gold across 1.2 metres.

On the Wolverine 2 claim a 400 by 200 metre zone of weakly gossanous silicified lower Jurassic Telkwa Formation volcanic rocks was identified by prospecting and soil geochemistry. A weak gold sub-zone was identified by soil geochemistry. The alteration zone is open to the east and northeast.

2.0 PROCEDURE

2.1 PROSPECTING & ROCK GEOCHEMISTRY

The area north and south of the "Lefty" showing on the Wolverine 1 claim was prospected and all quartz veins were sampled. Rock samples were collected by taking approximately two kilograms of rock chips across the width of the vein. Notes were taken describing rock type, mineralization, width of sample, location and orientation of the vein.

On the Wolverine 2, the area surrounding the "Equity" showing was prospected for outcrops of siliceous volcanic rocks. Rock geochemistry samples were collected from each outcrop with notes describing mineralization, alteration, rock type, and sample length.

Twelve rock geochemistry samples were sent to Min-En Laboratories in Vancouver for 31 element ICP analysis plus gold. Two samples from the "Lefty" showing were submitted for a Metallic Gold Assay.

2.2 SOIL GEOCHEMISTRY

In preparation for soil sampling on the Wolverine 2 claim, the "Equity" grid was re-established for control.

Forty-six "B-C" horizon soil samples were collected at 25 metre intervals along east-west lines 100 metres apart. Samples were collected in Kraft envelopes and sent to Min-En Laboratories for 31 element ICP analysis plus gold.

3.0 RESULTS AND DISCUSSION

3.1 GEOLOGY

According to Tipper and Richards (1976) the area of the Wolverine claims is underlain exclusively by Lower Jurassic Telkwa Formation rock units of the Hazelton Group. Major rock types of this formation include breccia, tuff and flows of rhyolitic to basaltic composition. These rocks are the host for many important vein and intrusion related bulk tonnage mineral occurrences in the region. The volcanic stratigraphy has been dissected by several closely spaced, north-northeast trending faults that could be the locus for veins and intrusions.

3.2 PROSPECTING & ROCK GEOCHEMISTRY

3.2.1 WOLVERINE 1

Sample locations are plotted on Figure 3 and the significant geochemistry values are presented in Table 1. Prospecting confirmed that the "Lefty" vein extends for greater than two (2) km subparallel to a major north-northeast trending fault. Metallic gold assays from the main "Lefty" showing are 2.74 g/t over 0.9 metres and 1.94 g/t over 1.2 metres. These values are much lower than the results obtained by the previous operator indicating a high "nugget effect" in this vein. Based upon prospecting data the vein pinches and swells along strike to the north and south. To the south the vein is very poorly exposed under a thin veneer of glacial moraine.

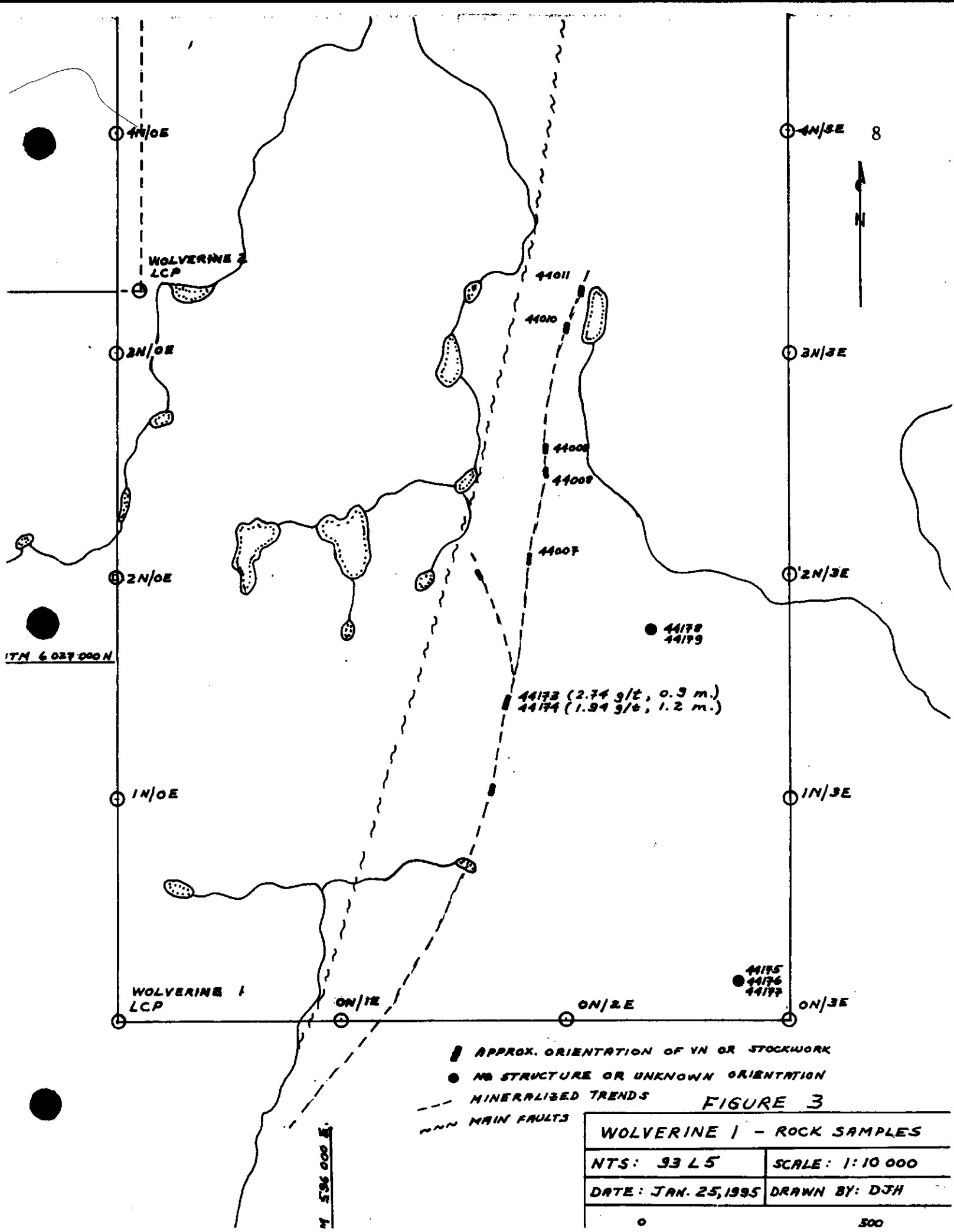


TABLE 1
WOLVERINE 1 - ROCK GEOCHEMISTRY

No.	Type	Width	ppm Cu	ppm Ag	ppm Zn	ppb Au
44007	Chip	0.4 m	2884	1.3	63	25
44008	Chip	1.5 m	1053	0.1	114	13
44009	Chip	1.0 m	3062	0.1	2353	38
44010	Chip	0.3 m	1471	0.1	141	11
44011	Chip	2.0 m	3526	0.1	295	6
44173	Chip	0.9 m	867	0.1	770	2740*
44174	Chip	1.2 m	3759	0.1	264	1940*

* Metallic Assay

3.2.2 WOLVERINE 2

The weakly gossanous zone is mapped in Figure 4 and the significant rock geochemistry values are displayed. The zone is approximately 300 metres long and 200 metres wide and open on the east and northeast sides. The host rock is a pink coloured, fine grained siliceous volcanic rock with rare malachite and azurite visible on fracture surfaces. The siliceous zone is interpreted as a hydrothermal alteration zone because of its shape and because it is non-conformable to local bedding.

Within the alteration zone rock geochemistry results show anomalous copper, weakly anomalous silver, and locally anomalous arsenic and gold.

3.3 SOIL GEOCHEMISTRY

Significant results of the soil geochemistry survey are plotted in Figure 4. The soils within the alteration zone are weakly anomalous in copper (> 100 ppm). A subzone of weakly anomalous gold (> 25 ppb) is defined on lines 4 and 5 N between 10+50 and 11+00 E.

4.0 RECOMMENDATIONS

4.1 WOLVERINE 1

A program of careful float mapping and sampling is recommended for the area south of the "Lefty" showing. This is the area with the highest concentration of gold and a very thin soil veneer. Very detailed soil sampling may also assist to pinpoint the location of the vein.

4.2 WOLVERINE 2

Programs of soil sampling and prospecting are recommended in an attempt to extend the zone of interest to the east. An orientation Induced Polarization survey is recommended to test the response of the alteration zone.

If the alteration zone can be extended in size by prospecting, soil geochemistry and/or Induced Polarization, a 1000 metre program of diamond drilling is recommended to test the system at depth.

STATEMENT OF EXPENDITURES

1.	79 Soil and Rock ICP Geochemical Analyses 2 Metallic Gold Assays	\$1,475.00
2.	Wages R. Keefe - 5 days @ \$200/day D. Hanson - 5 days @ \$200/day	\$1,000.00 \$1,000.00
3.	Camp Costs Equipment Food Radio Rental	\$ 143.00 \$ 490.00 \$ 245.00
4.	Transportation Helicopter (3/4 hr. @ \$750/hr 4x4 Truck	\$ 555.00 \$ 525.00
5.	Report	\$ 250.00

	TOTAL	\$5,683.00

AUTHOR'S QUALIFICATIONS

I, Daryl J. Hanson, do hereby certify that:

1. I am a geologist residing at R.R.#1, Quick East Road, Telkwa, B.C.
2. I am a 1971 graduate of the University of British Columbia with a Bachelor of Applied Science in Geological Engineering.
3. I have practised my profession as a geologist for twenty-four years in the fields of exploration, mining and development.
4. I am a member in good standing of the Professional Engineers and Geoscientists of British Columbia.
5. I have no real or beneficial interest in the Wolverine 1 & 2 mineral claims.
6. I personally directed the work programme as described in this report.

Respectfully submitted,



Daryl J. Hanson, P.Eng.

APPENDIX 1
MIN-EN LABORATORIES
ROCK GEOCHEMISTRY

COMP: MR RALPH KEEFE

PROJ:

ATTN: Ralph Keefe

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

TEL:(604)980-5814 FAX:(604)980-9621

FILE NO: 4S-0285-RJ1+

DATE: 94/10/0

* rock * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CU PPM	FE %	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI %	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	Au-Fire PPB
44005	.7	.13	1	1	1533	.8	4	.34	.1	3	537	2.23	.13	1	.05	936	1	.03	10	440	27	2	20	1	.01	34.4	68	1	1	5	82	2
44006	1.1	.10	51	1	992	.4	5	.06	.1	1	1023	1.02	.15	1	.01	154	2	.04	5	110	30	8	13	1	.01	4.1	87	1	1	5	100	5
44007	1.3	.37	1	1	61	1.3	16	.02	.1	4	2884	5.08	.12	4	.22	474	151	.01	17	180	109	9	11	1	.01	7.9	63	1	1	5	80	25
44008	.1	.52	1	95	90	1.0	8	.21	.1	3	1053	2.63	.14	9	.35	1758	3	.01	15	210	27	12	34	1	.02	9.6	114	1	1	7	101	13
44009	.1	.66	1	1	43	1.3	15	.04	.1	5	3062	4.03	.10	10	.46	1749	5	.01	17	190	68	16	17	1	.01	8.3	2353	1	1	7	106	38
44010	.1	.85	1	1	158	2.3	11	.04	.1	11	1471	8.91	.07	13	.52	1906	28	.01	31	240	53	14	23	1	.01	13.5	141	1	2	6	83	11
44011	.1	2.39	1	1	98	3.4	27	.21	.1	22	3526	14.62	.02	34	1.92	6355	23	.01	68	660	63	48	53	1	.12	156.6	295	1	4	9	29	6
44154	4.3	.12	94	1	400	.6	3	.03	.1	2	630	1.48	.13	1	.02	538	1	.03	6	130	12	3	10	1	.01	8.9	36	1	1	4	88	3
44155	4.3	.12	82	1	709	.5	4	.03	.1	2	480	1.37	.12	1	.04	584	1	.02	6	130	11	2	12	1	.01	11.5	32	1	1	4	71	2
44156	6.5	.12	1	1	889	.4	2	.01	.1	1	171	1.02	.15	1	.01	84	1	.02	5	120	12	2	14	1	.01	4.3	10	1	1	3	65	2
44157	5.5	.10	276	1	634	.7	3	.03	.1	2	251	2.01	.12	3	.01	108	2	.03	7	180	80	3	12	1	.01	10.9	100	1	1	4	79	10
44158	1.9	.11	13	1	247	.4	2	.01	.1	1	213	1.51	.12	1	.01	181	1	.03	7	160	15	3	9	1	.01	12.2	21	1	1	5	94	2
44159	.7	.12	1	1	274	.5	2	.03	.1	1	157	1.33	.16	1	.01	244	1	.04	5	110	9	4	14	1	.01	8.3	19	1	1	5	106	1
44160	11.0	.11	24	1	481	.5	3	.05	.1	1	414	1.81	.13	1	.01	344	2	.02	8	170	13	3	15	1	.01	15.4	53	1	1	7	132	2
44161	.1	.10	18	47	128	.4	2	.09	.1	2	59	1.47	.12	1	.02	480	1	.04	6	140	31	2	7	1	.01	6.7	67	1	1	4	79	1
44162	.1	.13	1	1	374	.5	1	.09	.1	1	155	1.23	.13	1	.01	362	1	.04	6	140	63	2	8	1	.01	7.8	33	1	1	6	119	26
44163	18.2	.15	1	1	950	.5	2	.01	.1	1	254	1.16	.25	1	.01	163	1	.01	6	120	8	4	15	1	.01	7.5	20	1	1	5	95	29
44164	2.1	.15	1	1	203	.4	3	.01	.1	1	152	1.25	.20	1	.01	390	1	.01	6	90	11	5	8	1	.01	8.9	19	1	1	3	68	5
44165	.5	.15	1	1	294	.6	2	.01	.1	2	161	1.57	.14	1	.01	537	1	.03	6	100	7	3	13	1	.01	6.9	49	1	1	3	57	4
44166	8.1	.14	6	1	731	.3	1	.01	.1	1	138	1.11	.16	1	.01	23	1	.03	5	80	7	3	9	1	.01	5.4	8	1	1	4	84	2
44167	.2	.09	1	1	337	.4	1	.02	.1	1	54	1.26	.14	1	.01	99	2	.04	5	200	21	1	8	1	.01	2.1	14	1	1	3	71	3
44168	2.0	.11	136	1	362	.6	2	.02	.1	2	254	1.68	.11	1	.01	333	1	.03	8	180	8	2	9	1	.01	8.9	33	1	1	3	66	2
44169	8.6	.12	1	1	1186	.4	2	.01	.1	1	178	.93	.14	1	.01	23	1	.02	4	120	11	2	18	1	.01	5.7	5	1	1	3	62	4
44170	10.0	.12	1	1	224	.5	1	.02	.1	1	249	1.20	.12	1	.01	82	1	.02	5	150	8	2	8	1	.01	8.4	25	1	1	3	63	3
44171	5.5	.13	1	1	425	.5	2	.02	.1	2	335	1.44	.14	1	.02	647	1	.03	8	90	12	1	14	1	.01	9.5	61	1	1	4	72	4
44172	5.6	.14	1	1	716	.3	1	.03	.1	1	128	.99	.21	1	.01	22	1	.03	5	90	22	2	15	1	.01	3.3	13	1	1	5	101	3
44173	.1	.40	1	1	221	.6	4	.04	.1	3	867	2.68	.15	5	.26	919	6	.01	12	180	22	7	16	1	.01	10.6	770	1	1	7	134	
44174	.1	.87	1	1	77	1.4	12	.04	.1	8	3759	5.54	.11	10	.72	1575	4	.01	22	220	34	18	24	1	.01	16.2	264	1	1	7	87	
44175	1.7	.24	1	1	200	1.3	5	.03	.1	4	332	5.98	.18	1	.09	136	9	.01	18	190	17	2	11	1	.01	14.1	30	1	1	7	155	35
44176	.1	.41	2	1	105	1.5	5	.04	.1	8	167	7.27	.11	4	.28	454	4	.01	26	200	17	5	12	1	.01	20.8	55	1	1	9	158	12
44177	.1	.56	1	1	42	1.6	5	.06	.1	10	127	7.44	.14	7	.39	689	3	.01	26	300	20	7	18	1	.01	26.7	84	1	1	8	138	18
44178	.1	.24	1	1	165	.7	2	.67	.1	2	164	2.00	.12	2	.13	962	1	.06	9	290	9	3	14	1	.01	1.6	37	1	1	3	64	3
44179	.1	.18	1	1	124	.5	1	.08	.1	2	13	1.69	.02	3	.10	150	2	.07	6	300	13	2	9	1	.01	1.4	28	1	1	5	102	2

APPENDIX 2
MIN-EN LABORATORIES
SOIL GEOCHEMISTRY

COMP: MR RALPH KEEFE
 PROJ: *WOLVERINE 2*
 ATTN: RALPH KEEFE

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 TEL:(604)980-5814 FAX:(604)980-9621

FILE NO: 4S-0285-SJ1+2
 DATE: 94/09/30
 * soil * (ACT:F31:

SAMPLE NUMBER	AG PPM	AL %	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CU PPM	FE %	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI %	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	Au-Fire PPB
L2N 7+25E	.1	.96	1	1	55	.8	6	.15	.1	6	37	3.24	.06	13	.63	1212	3	.01	21	820	39	15	53	1	.03	64.8	175	1	1	4	18	4
L2N 7+50E	.1	.91	1	1	121	.9	4	.13	.1	3	26	2.36	.06	7	.30	950	2	.01	13	1260	26	14	59	1	.02	49.1	127	1	1	4	14	5
L2N 7+75E	.1	1.19	1	1	67	.7	4	.10	.1	4	56	2.76	.07	8	.27	715	2	.01	12	1210	28	18	51	1	.03	52.8	107	1	1	4	10	4
L2N 8+00E	.1	.87	1	1	106	.9	4	.09	.1	5	85	3.13	.10	7	.28	1175	1	.01	17	920	36	12	42	1	.02	52.4	108	1	1	3	8	2
L2N 8+25E	.1	1.12	1	1	59	.8	3	.14	.1	4	22	2.90	.06	7	.30	604	3	.01	14	1100	31	16	54	1	.03	48.6	88	1	1	3	11	3
L2N 8+50E	.1	.94	1	1	91	1.0	6	.16	.1	6	68	3.22	.09	10	.44	1787	3	.01	18	1090	43	14	55	1	.04	59.9	155	1	1	4	11	5
L2N 8+75E	.1	.99	1	1	209	1.1	6	.17	.1	5	60	3.36	.12	11	.55	1298	2	.01	20	1110	37	16	64	1	.03	64.6	146	1	1	4	16	4
L2N 9+00E	.1	1.29	1	1	150	.8	4	.11	.1	3	39	2.65	.15	8	.32	541	3	.01	12	1270	28	21	62	1	.02	53.9	86	3	1	4	13	2
L2N 9+25E	.1	1.13	1	1	108	1.1	5	.12	.1	5	49	3.37	.12	12	.49	779	3	.01	19	1180	29	16	51	1	.02	60.3	135	1	1	4	13	6
L3N 7+00E	.1	.91	1	1	155	1.2	6	.14	.1	6	57	3.22	.12	13	.57	1178	1	.01	24	850	32	12	49	1	.03	58.9	109	1	1	4	16	5
L3N 7+25E	.1	.74	1	1	238	1.4	5	.12	.1	7	175	3.53	.15	8	.41	2018	1	.01	27	680	36	12	45	1	.03	57.5	113	1	1	3	14	2
L3N 7+50E	.1	1.13	1	1	96	1.1	5	.22	.1	5	33	3.11	.12	12	.55	783	3	.01	18	1190	35	17	82	1	.04	64.9	117	2	1	4	18	1
L3N 7+75E	.1	1.20	1	1	110	.9	7	.25	.1	5	34	3.03	.15	12	.60	689	4	.01	17	1140	37	20	100	1	.05	65.1	123	5	1	5	19	4
L3N 8+00E	.1	1.23	1	1	93	1.2	7	.27	.1	8	62	3.86	.14	16	.82	2104	4	.01	27	1060	54	19	87	1	.05	77.1	251	1	1	5	22	4
L3N 8+25E	.1	1.13	1	1	110	1.2	6	.17	.1	5	23	3.16	.10	11	.45	902	2	.01	18	1220	31	17	73	1	.04	69.8	130	1	1	4	17	1
L3N 8+50E	.2	.71	1	1	144	1.0	4	.07	.1	4	180	2.97	.08	6	.21	1013	1	.01	16	1090	30	11	37	1	.02	45.4	104	1	1	2	7	5
L3N 8+75E	.1	.05	1	1	3	.1	1	.01	.1	1	22	.13	.20	15	.02	22	1	.01	1	120	1	1	2	1	.01	1.4	4	1	1	1	1	7
L3N 9+00E	.1	.77	1	1	155	1.1	6	.21	.1	5	127	3.35	.10	8	.45	1392	2	.01	17	770	31	13	58	1	.04	66.1	141	1	1	3	12	4
L3N 9+25E	.1	1.26	1	1	136	1.1	6	.13	.1	4	151	3.21	.19	9	.36	890	4	.01	17	1450	34	23	71	1	.02	63.0	127	4	1	5	14	8
L4N 7+25E	.1	1.14	1	1	143	1.4	6	.13	.1	6	35	3.60	.15	13	.51	1122	3	.01	25	1230	38	18	59	1	.02	69.8	151	1	1	5	20	9
L4N 7+50E	.1	1.03	1	1	78	.9	5	.22	.1	6	31	3.10	.07	13	.60	893	3	.01	20	1270	37	17	64	1	.03	61.9	141	2	1	4	19	10
L4N 7+75E	.1	1.04	1	1	159	1.2	6	.16	.1	6	26	3.27	.10	11	.52	798	2	.01	22	910	33	16	63	1	.03	71.4	112	2	1	5	23	8
L4N 8+00E	.1	1.09	1	1	147	1.1	6	.24	.1	7	33	3.37	.13	15	.71	1055	2	.01	24	1350	37	17	102	1	.04	66.2	108	1	1	5	22	17
L4N 8+25E	.1	.93	1	1	140	1.3	6	.22	.1	8	49	3.71	.13	13	.63	1622	3	.01	28	1070	44	14	65	1	.03	74.5	159	1	1	5	26	5
L4N 8+50E	.1	.86	1	1	98	1.0	4	.17	.1	7	41	3.24	.08	11	.61	1426	2	.01	25	1090	38	13	59	1	.03	67.4	148	1	1	4	19	3
L4N 8+75E	.1	.83	1	1	118	1.0	4	.15	.1	6	102	3.27	.09	11	.56	1376	2	.01	24	1060	35	13	56	1	.02	62.5	130	1	1	3	16	2
L4N 9+00E	.1	.76	1	1	206	1.3	4	.16	.1	7	138	3.33	.11	8	.44	1719	2	.01	26	730	37	10	52	1	.02	54.3	129	1	1	3	13	29
L4N 9+25E	.1	.71	1	1	154	1.0	5	.17	.1	6	102	3.18	.08	9	.55	1828	1	.01	23	940	40	10	46	1	.03	56.5	156	1	1	3	10	2
L4N 9+50E	.1	.67	1	1	165	1.1	4	.23	.1	6	80	2.98	.07	9	.51	1302	1	.01	19	870	36	10	65	1	.03	50.0	131	1	1	2	10	3
L4N 9+75E	.1	.80	1	1	163	1.2	6	.24	.1	7	80	3.41	.09	12	.71	2523	2	.01	23	770	42	11	68	1	.04	58.3	205	1	1	3	10	6
L4N 10+00E	.1	.84	1	1	166	.9	5	.24	.1	6	69	2.92	.08	12	.67	1219	2	.01	22	960	38	13	93	1	.04	49.0	147	1	1	3	12	9
L4N 10+25E	.1	.81	1	1	133	.9	4	.21	.1	6	83	2.90	.08	11	.62	1390	2	.01	21	890	39	11	86	1	.03	49.4	136	1	1	3	11	16
L4N 10+50E	.5	.86	1	1	96	.5	2	.11	.1	4	22	1.80	.04	9	.43	358	2	.01	14	960	34	13	51	1	.02	41.7	79	2	1	3	11	69
L4N 10+75E	.1	.84	1	1	179	.9	2	.12	.1	4	47	2.70	.07	7	.29	716	1	.01	15	1150	28	12	42	1	.02	53.7	105	1	1	3	13	71
L4N 11+00E	.1	.80	1	1	78	.9	3	.15	.1	5	90	2.84	.06	7	.39	1481	2	.01	16	870	33	11	38	1	.03	48.3	139	1	1	2	8	71
L5N 8+50E	.1	.74	1	1	250	1.4	4	.24	.1	7	39	3.17	.09	11	.60	1208	2	.01	26	770	35	10	85	1	.02	54.8	110	1	1	3	15	16
L5N 8+75E	.1	.97	1	1	157	1.5	5	.12	.1	8	41	3.60	.06	15	.69	2159	2	.01	31	1310	42	14	51	1	.02	72.6	142	1	1	4	24	1
L5N 9+00E	.1	.78	1	1	138	1.1	3	.06	.1	7	36	3.27	.08	10	.44	1802	1	.01	26	1040	32	12	39	1	.01	53.0	132	1	1	3	14	4
L5N 9+25E	.1	.81	1	1	156	.9	3	.17	.1	6	29	2.95	.09	11	.48	1600	2	.01	23	1270	30	11	62	1	.01	53.8	113	1	1	3	12	6
L5N 9+50E	.1	.83	1	1	203	1.1	4	.35	.1	6	40	3.09	.10	12	.68	1162	2	.01	22	820	38	11	116	1	.04	51.6	123	1	1	3	14	3
L5N 9+75E	.1	.73	1	1	407	1.1	4	.34	.1	6	54	3.18	.10	14	.67	1428	1	.01	22	710	37	10	88	1	.03	53.8	133	1	1	3	13	5
L5N 10+00E	.1	1.04	1	1	123	1.0	4	.23	.1	7	55	3.29	.10	12	.71	1416	2	.01	23	1320	38	15	71	1	.03	66.9	186	1	1	4	16	17
L5N 10+25E	.1	1.07	1	1	105	.8	4	.15	.1	7	42	3.08	.07	10	.54	662	3	.01	20	1220	32	16	59	1	.03	66.7	142	1	1	4	19	22
L5N 10+50E	.1	.71	1	1	88	.6	3	.12	.1	4	24	2.72	.05	6	.37	969	2	.01	15	850	27	9	41	1	.03	56.4	116	1	1	3	11	33
L5N 10+75E	.1	.91	1	1	100	.9	5	.22	.1	6	86	2.82	.06	13	.78	849	2	.01	22	560	38	13	47	1	.04	57.6	190	1	1	4	17	48
L5N 11+00E	.1	.82	1	1	99	1.0	3	.07	.1	6	47	3.11	.06	9	.28	2265	1	.01	19	830	34	11	33	1	.02	45.3	115	1	1	2	8	4

APPENDIX 3
MIN-EN LABORATORIES
METALLIC ASSAYS



MINERAL ENVIRONMENTS LABORATORIES
 (DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
 CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
 705 WEST 15TH STREET
 NORTH VANCOUVER, B.C. CANADA V7M 1T2
 TELEPHONE (604) 980-5814 OR (604) 988-4524
 FAX (604) 980-9821

SMITHERS LAB.:
 3176 TATLOW ROAD
 SMITHERS, B.C. CANADA V0J 2N0
 TELEPHONE (604) 847-3004
 FAX (604) 847-3005

Metallic Assay Certificate

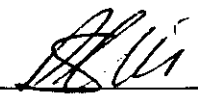
4S-0285-RM1

Company: **MR RALPH KEEFE**
 Project:
 Attn: **Ralph Keefe**

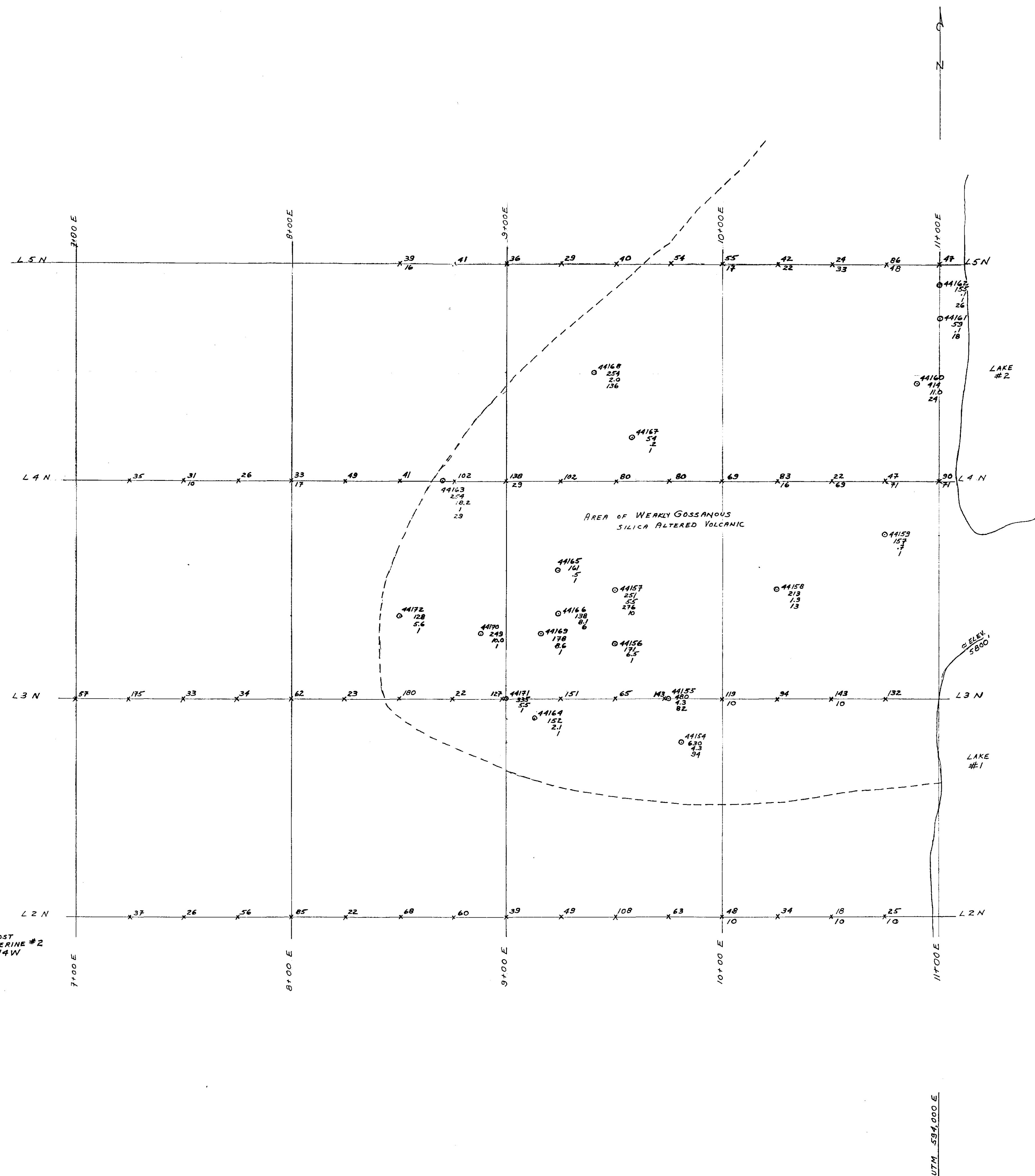
Date: **OCT-07-94**

We hereby certify the following Metallic Assay of 2 rock samples submitted SEP-30-94 by R. Keefe.

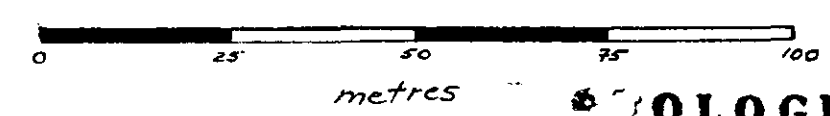
Sample Number	Total Wt (g)	+150 M Wt (g)	Assay Value Au		Total Weight Au		Metallic Au		Net Au	
			+150 (g/t)	-150 (g/t)	+150 (mg)	-150 (mg)	(oz/ton)	(g/t)	(oz/ton)	(g/t)
44173	323.0	27.8	1.28	2.88	0.036	0.850	0.003	0.11	0.080	2.74
44174	319.6	16.19	1.17	1.98	0.019	0.601	0.002	0.06	0.057	1.94

Certified by 

MIN-EN LABORATORIES



x 30 (ppm Cu)
 x 10 (ppb Au > 10) ... soil sample
 o rock chip sample
 44157 sample number
 251 (ppm Cu)
 55 (ppm Ag)
 276 (ppm As)
 10 (ppb Au > 10)



GEOLOGICAL BRANCH
 ASSESSMENT REPORT

24,201

FIGURE 4

WOLVERINE #2 ROCK & SOIL GEOCHEMISTRY		
SCALE: 1:1000	APPROVED BY:	DRAWN BY DJH.
DATE: JAN. 25/95		REVISED
93 L5		DRAWING NUMBER