HIAWATHA RESOURCES INC.

GEOCHEMICAL REPORT

ROZAN and OGG PROPERTIES

NELSON M.D., B.C. NTS 82-F-6 W/2

49° 24' 117° 20'

by

P.H. SEVENSMA, Ph.D., P.Eng.

Osoyoos, B.C.

October 21, 1992

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,568

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ILLUSTRATIONS

HIAWATHA RESOURCES INC.

Rozan and OGG Properties

Nelson M.D., B.C.

1. INTRODUCTION

This property has been under a 100% option since 1988-89 by Hiawatha Resources Inc. who conducted extensive soil sampling programs and geological mapping, extending as required, starting at the old workings at Red Mountain. In 1990, a more detailed soil sampling program of 34 samples was run around an isolated sample of 560 ppb gold, 20 ppm W, 10 ppm Mo and 11 ppm Bi on line 250 S 1400 W. This proved conclusively the existence of a multielement anomaly about 100m long by up to 50m wide identified by 7 samplies of over 300 ppb gold and 6 to 28 ppm W and a more extensive copper-bismuth anomaly (Cu 50-181 ppm, Bi 4-11 ppm). The results proved conclusively that the point anomaly was not spurious, but part of a larger Northwesterly trending zone with a local flexure.

This led to consider more work on the core of the main gold anomaly extending over an area of 600m by 600m uphill from an old shaft where a one foot wide vein had been located assaying 0.66 $^{oz}/t$ gold and 1.7 $^{gr}/t$ W, which suggested the presence of a drill target in the area.

2. PROPERTY

The property consists of 65 units, 12 having been dropped at the South end in 1992. Located on claim sheet 82-F-6 W/2 between elevations of 1300m and 2200m at lat. 49° 23'N and longitude 170° 22'W, the claims are accessible by good 4 WD bushroads either from Blewett, about 15km up Forty-nine Creek or from Hall Siding 10km up Hall Creek.

Both these creeks were the only gold placer creeks south of Nelson outside of the Salmo River around the turn of the century. The original Golden Eagle Claim was located by panning up the creeks.

Name	Record No.	Area	Expiry Date
Rozan	1281	6 Units	Oct. 5, 1998
Gold 1	4464	1 Unit	Oct. 22, 1998
Gold 2	4463	1 Unit	Oct. 22, 1998
Golden Eagle	1629	Rev.Cr.Gr.	April 1, 1999
Golden Eagle 2	1004	" " "	April 3, 1999
Golden Eagle 3	1005	" " "	April 3, 1999
Golden Eagle 5	1006	" " "	April 3, 1999
Eagle 1	4461	4 Units	Feb. 17, 1994
Eagle 2	5029	15 Units	April 13, 1994
Rozan Group	Subtotal	31 Units	
OGG 9	302688	15	July 27, 1994 *
OGG 4	2732	4	Sept. 2, 1994 *
OGG 5	2733	9	Sept. 2, 1994 *
OGG 6	2703	6	July 23, 1994 *
OGG Group	Subtotal	34 Units	
Hiawatha Group	Grand Total	65 Units	

*Subject to acceptance of this report. See Figure 2

3. TERRAIN

A trail to serve as drill-road was built for 600m along the ridge starting at the mine-road below the cabin. The road climbs gently along the flank of the ridge, in very little overburden and mostly along slightly weathered granodiorite with an occasional small dyke of lamprophyre, then flattens and descends the ridge to above the high sample of 2625 ppm gold. Then samples were taken along E-W lines 2+25 S (from 300 E to 512.5 E) and line 250 S from 300 E to 650 E, as shown on the map.

The material sampled is fine granodiorite with minor sandy to earthy granodiorite ruble with occasional sections of minor 1/8" - 1/4" quartz veinlets, either parallel or forming irregular patchy stockworks with no visible mineralization of any type. The slopes drop about 50m in a horizontal distance of from 60 to 100m, ie. at an angle of from 40° to 25°, requiring a reach of about 150m to cut the vein exposed in the shaft by a drill hole, in first approximation, when drilling from the end of the drillroad.

4. SOIL SURVEY

Samples were collected from either the "A" or "B" horizon, depending upon the soil-development, which varies from about 0 to 10". They were placed in kraft-paper bags and shipped to Acme Analytical Laboratories in Vancouver. After drying, .5 grams of -80 mesh material is then digested with 3 ml of 3-1-2 HCL + HNO_3 + H_2O at 95° for 1 hour and diluted with water to 10 ml. This leach is partial for Mn, Fe, Sr, Ca, P, L, Cr, Mg, Ba, Ti, B and W, and limited for Na, K and Al. Au detection limit by ICP is 3 ppm. Au is analysed by acid leach and atomic absorption (AA) on a 10 gm sample. A standard ICP analysis is done on the 30 metals by inductively coupled plasma atomic emission spectroscopy.

5. RESULTS

On grid 225 S and 250 S from 300 E to 512.5 E and 637.5 E are reported on ACME report 91-5362, issued Nov. 6, 1991, attached herewith.

The best drill target is provided by the gold assays associated with tungsten, as shown in our 1990 report on the 1400 W/ 250 S gold-tungsten anomaly.

A strong tungsten anomaly extends from below the shaft East on lines 400 and 600 S, which in the area is a central feature of the explored area, similar to the situation at Bute, Montana. See Figure 4.

Taking into account the near E-W strike of the shaft vein, and its 74°N dip, the area looks one of multiple veins, comparable to Rossland and to the Second Relief.

More detailed soil sampling is recommended to facilitate structural studies, and to determine whether gold and tungsten are always in the same veins.

6. DISCUSSION

As previously reported, the soils indicate Rossland-type mineralization, with typical tungsten, molybdenite, bismuth, arsenic, copper, cobalt, zinc, as well as minor nickel. The previously reported Celina mineralization in the Jilove Belt in Czechoslovakia, is very similar, but higher in arsenic (mostly 200-500 ppm). The mineralization occurs in a zone up to about 200m wide cutting a granodiorite-volcano contact of Hercynian age and is often accompanied by lamprophyre and

6. DISCUSSION cont'd.

other dykes. The zones are up to 2km long and the main Mokrsko deposit is the largest in Bohemia and is said to contain over 100 tonnes of gold (=3 million ounces) at an average grade of 2 ^{gr}/tonne, varying from 0.2 to 30 ^{gr}/tonne. It is reported as an economic deposit. (Ec. Geology Monograph 6, p.252-259, 1989 and J. of Geochem. Eplor., Vol. 37, No.3, July 1990).

A recently published note on Muruntau in Uzbekistan indicates that the setting of this deposit (3000 x 2,500 m open-pit) with original reserves of 1150 tonnes of gold (=35 million ounces), is very similar with stockwork ore of about 2.5 to 3 ^{gr}/tonne of gold and a higher grade core of about 600 x 600 m with values up to 50 ^{gr}/t (1.5^{oz}/t).

Muruntau reports extensive alteration (albite + quartz + apatite and quartz + K-feldspar + ankerite + biotite + chlorite + monazite) in a second phase and late alkalic and dioritic dykes with pyrite + tourmaline with K-feldspar and sericite and bastnaesite (fluo-carbonate of cerium), according to Byron Berger in U.S.G.S. Mineral Resources Newletter, Vol. 3, No.2, 1992. The hostrocks are Ordovician eugeosynclinal greenschists.

The Bohemian deposits specifically report an absence of alteration, like Rossland and Rozan.

On the regional geochemical map, Rossland only shows a minor 200 ppb gold anomalous sample, versus a 25 by 60km anomalous area centered on Ymir. (See map).

7. CONCLUSION

It has been well documented, especially from Russian sources, some summarized in the 1971 CIM Special Volume 11, that primary halos may, at the surface, exhibit say 100 ppm Cu and at 100m depth maybe 250 ppm and at 200m good grade ore is encountered (Ovchinnikov and Grigorian, page 375); in other words, a small outcrop or a small geochem. anomaly should be drilled at some depth to see if it increases in size and intensity, providing ICP methods of lithogeochemistry are used. This is especially important for blind ore bodies, as may occur in the Rozan area. Drilling of the best geochemical anomalies is therefore essential, especially in the case of what appear to be stockworks in intrusives such as granodiorites and/or monzonites. Even the more or less "blind" Bralorne deposit did not show its true nature at the surface till a slide exposed the bigger vein.

7. CONCLUSION cont'd.

Drilling with the ICP analytical technique is therefore to be preferred to bulldozing, especially in steep terrain where the dozer would lead to severe disturbance, and where geological information is crucial such as in the shaft area at 250 S and 5000 E, aiming for the 1520 and 2625 ppb gold areas.

Some preliminary hand trenching and shallow EM, as well as local surveying, will increase the odds of success. From an economic point of view, the discovery of .45 $^{oz}/t$ veins of the Rossland type (5.9 m tons @ .45), would be the most attractive, and is the most likely, in the writer's opinion. Initial drilling should therefore include the adit vein below the stope and location of a drill-target near a caved shaft on Rozan Creek, where one high sample in Ni, Cu and As was encountered (400 S, 150 W, Map No. 4).

Respectfully submitted,

P.H. Sevensma

P.H. Sevensma, Ph.D., P.Eng.
Exploration Manager

CERTIFICATE

I, Peter H. Sevensma, of Box 1199, Osoyoos, B.C., V0H 1V0

DO HEREBY CERTIFY:

1) That I am a Consulting Geologist with business address as above.

2) That I graduated at the University of Geneva, Switzerland in 1937 and that I obtained my Ph.D. in Geological Sciences in 1941 at the same institution, my thesis subject being the study of certain gold mines in Central France.

3) That I am a registered Professional Engineer, member of the Association of Professional Engineers in British Columbia.

4) That I have practiced my profession for the last fifty-four years with the only interruption being the war in the Far East from 1942 to 1946.

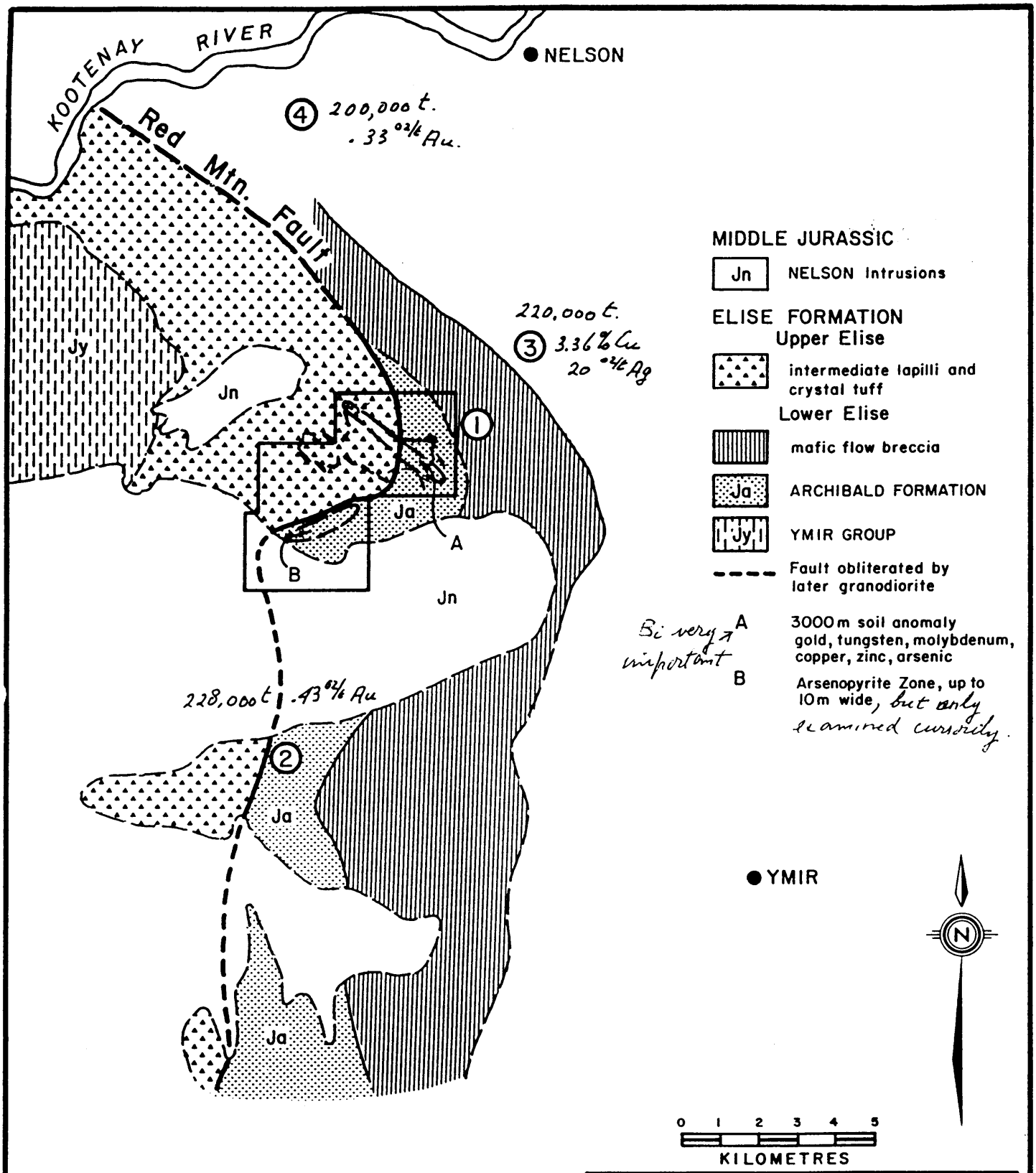
5) That I have personally directed this work program on the Rozan property after examining the area in 1973 and in 1987 and every year since that time.

6) That I am the exploration manager of Hiawatha Resources Inc.

P.H. Sevensma

P.H. Sevensma, Ph.D., P.Eng.

Osoyoos, British Columbia
October 21, 1992



MIDDLE JURASSIC

Jn — NELSON Intrusions

ELISE FORMATION

Upper Elise

intermediate lapilli and crystal tuff

Lower Elise

mafic flow breccia

Ja — ARCHIBALD FORMATION

Jy — YMIR GROUP

Fault obliterated by later granodiorite

A — 3000 m soil anomaly gold, tungsten, molybdenum, copper, zinc, arsenic

Bi very important

B — Arsenopyrite Zone, up to 10 m wide, but only examined cursorily.

① Hiawatha Resources Inc.

② Second Relief (Closed)

③ Silver King Mine (Closed)

④ Granite Poorman (Operating)

P.H. Sevensma

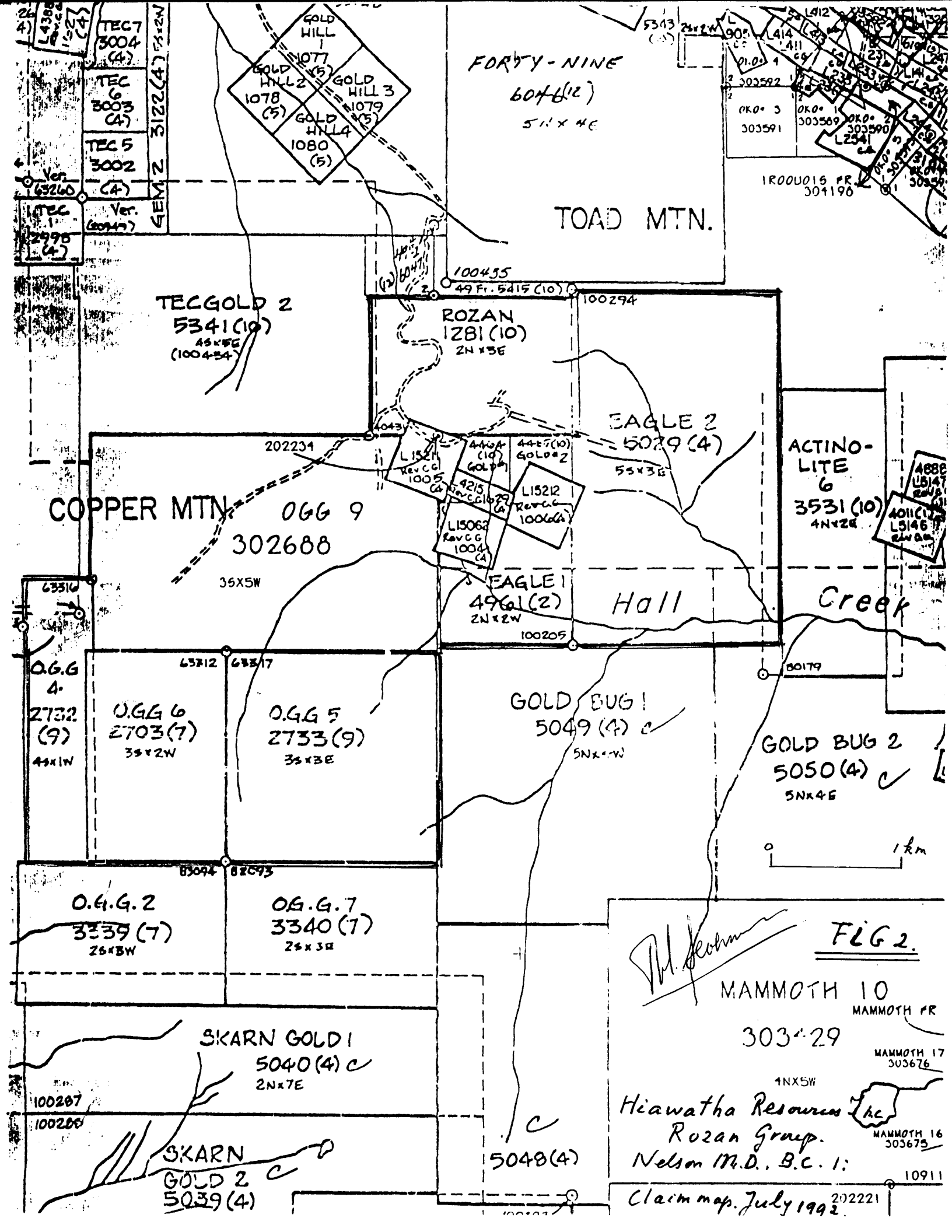
HIAWATHA RESOURCES INC.

ARCHIBALD FORMATION & RED MOUNTAIN FAULT

BRITISH COLUMBIA

PETER H. SEVENSMA, PH.D., P. ENG.

DRAWN: J.J.E.	MINING DIV.: NELSON	FIGURE 1.
N.T.S.: 82 F/6 W	SCALE: 1:150000	
DATE: JAN., 1990		


TEC 7
3004
(4)
TEC 6
3003
(4)
TEC 5
3002
(4)
TEC 1
2998
(4)
GEM 2
3122(4)
Ver.
65260
Ver.
600447
GOLD HILL 1
1077
(5)
GOLD HILL 2
1078
(5)
GOLD HILL 3
1079
(5)
GOLD HILL 4
1080
(5)
FORTY-NINE
6046(12)
5N x 4E
TOAD MTN.
100435
49 Fr. 5415 (10)
100294
TECGOLD 2
5341(10)
4S x 5E
(100434)
ROZAN
1281(10)
2N x 3E
EAGLE 2
5029(4)
5S x 3E
202234
4043
L1521
Rev C.G.
1005
(4)
4215
Rev C.G.
1629
(4)
L15212
Rev C.G.
1006(4)
L15063
Rev C.G.
1004
(4)
4406A
(10)
GOLD 1
4407(10)
GOLD 2
ACTINO-
LITE
6
3531(10)
4N x 2E
COPPER MTN.
OGG 9
302688
3S X 5W
EAGLE 1
4961(2)
2N x 2W
100205
Hall
Creek
63310
63312
63317
80179
O.G.G
4
2732
(9)
4S x 1W
O.G.G 6
2703(7)
3S x 2W
O.G.G 5
2733(9)
3S x 3E
GOLD BUG 1
5049(4) C
5N x 4W
GOLD BUG 2
5050(4) C
5N x 4E
1 km
83094
82093
O.G.G. 2
3339(7)
2S x 3W
OG.G.7
3340(7)
2S x 3E
SKARN GOLD 1
5040(4) C
2N x 7E
100207
100206
SKARN
GOLD 2
5039(4)
C
5048(4)
FIG 2.
MAMMOTH 10
MAMMOTH FR
303429
MAMMOTH 17
303676
4N X 5W
Hiawatha Resources Inc
Rozan Group.
Nelson M.D., B.C.
MAMMOTH 16
303675
10911
Claim map. July 1992
202221

HIAWATHA RESOURCES INC.

ROZAN GROUP

RED MOUNTAIN AREA

NELSON MINING DIVISION, B. C.

SOIL GEOCHEMISTRY GOLD AND TUNGSTEN

P.H. SEVENSMA CONSULTANTS LTD.

SCALE:	DATE:	N.T.S.	FIGURE:
1: 2000	MARCH, 1992	82 F	3.

METRES 0 20 50 100

LEGEND

- Water Barriers
- Gold ppb / Tungsten ppm
- Pre 1991
- Oct., 1991
- Over 500 ppb
- 90 - 500 ppb
- Assays not shown are < 90 ppb
- Trenches. (Quartz).
- RD5 63.1 Road Samples Gold in ppb.

Adit 1730 Bin Cabin Lamp. Diorite porphyry Granodiorite. Granodiorite. GEOLOGICAL CONTACT Rozan Creek 2050m. 2097 Local Au+W soil anomaly. Shaft B/L 0+00 2+00E. 4+00E. 6+00E 2+00N. 1+50N. 1+00N. 0+50N. 0+00 1+00S. 1+50S. 2+00S. 2+25S. 2+50S. N

700 | +1000 | 0 | +1000 | +2C

Rozan

R.801

Eagle 2

Spider Cr.

N

Not sampled, except for gold.

Area of work Oct. 1991

Drill road

1750W

100S

250S

400S

600S

800S

1000S

1000

0

GE3

GE2

GE5

Golden Eagle

Road

Shaft

High As 61 ppm

High Ni, Cu, As. 400S/150W

> 30
>20 TO 30
>16 TO 20
>12 TO 16
>8 TO 12
>4 TO 8
0 TO 4

ROZAN – OGG GROUP
NELSON MINING DIVISION – B.C.
1987-1989 SOIL SURVEY
Tungsten, ppm.

DATE: DEC/89	PROJECT#: 106A3	
NTS: 82F/6	SCALE 1:10000	

T.M. Seewinma.

1500E

1700E

28

6 10 14 21 17 11 8 14 25 8 22 8 13 5

7 6 9 5 8 5 5 5 12 5 6 5

Hall Cr.

Eagle 1

OCC 1

OCC 3

0 100 200 300 400
meters

Rozan: Area of trenching

Fig. 4

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Hiawatha Resources Inc. File # 91-5362 Page 1

Box 1199, Osoyoos BC V0H 1V0 Submitted by: ERIC DENNY

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
L1+50S 3+00E	2	25	26	101	.2	15	6	490	3.78	2	5	ND	3	18	.2	2	5	57	.12	.086	8	22	.55	73	.20	3	3.26	.01	.08	2	63.6
L1+50S 3+25E	2	31	14	92	.1	15	9	476	3.30	2	5	ND	4	16	.2	2	5	50	.10	.080	9	24	.56	65	.19	2	3.99	.01	.08	2	80.0
RE L1+50S 4+25E	1	36	28	81	.2	20	9	530	3.30	2	5	ND	4	20	.2	2	4	45	.14	.119	10	25	.71	96	.18	2	3.20	.01	.09	2	48.7
L1+50S 3+50E	2	17	13	83	.1	9	4	414	2.74	2	5	ND	3	7	.2	2	7	41	.05	.117	5	14	.20	48	.22	3	5.45	.02	.05	1	15.1
L1+50S 3+75E	2	18	9	80	.2	10	4	620	2.50	2	5	ND	4	8	.2	2	5	39	.06	.082	6	13	.21	70	.22	4	4.99	.02	.05	1	6.2
L1+50S 4+00E	1	34	30	83	.1	16	9	524	3.35	3	5	ND	4	16	.2	2	4	46	.08	.075	9	21	.58	70	.16	2	3.54	.01	.09	3	45.0
L1+50S 4+25E	1	35	28	77	.2	20	9	506	3.13	2	5	ND	4	20	.2	2	5	44	.13	.113	9	24	.67	93	.18	2	3.00	.01	.09	1	79.4
L2+25S 3+00E	1	16	19	80	.2	11	6	765	3.09	2	5	ND	3	14	.2	2	5	51	.09	.066	9	18	.39	81	.20	3	2.47	.01	.08	1	130.0
L2+25S 3+12.5E	1	18	16	84	.1	15	7	822	3.06	4	5	ND	2	16	.2	2	6	51	.11	.055	8	19	.49	88	.20	2	2.56	.01	.08	3	90.0
L2+25S 3+25E	1	20	17	81	.5	11	6	548	2.73	2	5	ND	5	10	.2	2	5	41	.07	.063	7	15	.31	80	.21	6	4.25	.01	.07	2	140.0
L2+25S 3+37.5E	1	16	12	91	.2	12	6	351	2.85	2	5	ND	4	9	.2	2	4	41	.06	.066	6	14	.26	87	.23	2	5.12	.02	.06	2	39.9
L2+25S 3+50E	1	21	13	70	.3	11	5	270	2.69	2	5	ND	4	9	.2	2	4	39	.06	.083	6	13	.25	57	.21	3	5.53	.02	.06	2	68.7
L2+25S 3+62.5E	1	20	16	92	.1	15	7	560	3.35	2	5	ND	4	14	.2	2	5	49	.11	.108	7	17	.36	81	.22	2	4.80	.02	.07	3	36.5
L2+25S 3+75E	2	9	13	40	.1	7	4	431	1.33	2	5	ND	2	8	.2	3	5	22	.11	.064	4	9	.14	36	.13	5	3.32	.01	.02	2	11.6
L2+25S 3+87.5E	2	36	18	91	.2	21	9	425	3.51	5	5	ND	4	22	.2	2	4	55	.15	.102	10	24	.71	105	.20	3	3.20	.01	.11	2	100.0
L2+25S 4+00E	1	20	12	79	.1	15	7	604	2.90	2	5	ND	4	13	.2	2	5	43	.08	.140	8	19	.40	77	.20	3	4.45	.01	.08	4	180.0
L2+25S 4+12.5E	1	20	16	93	.1	14	7	819	3.23	2	5	ND	5	12	.2	2	5	45	.07	.130	9	17	.42	77	.21	3	4.16	.01	.10	5	250.0
L2+25S 4+25E	1	21	19	85	.1	15	6	988	2.88	2	5	ND	4	15	.3	2	6	42	.10	.128	9	19	.41	85	.20	2	3.30	.01	.10	4	90.0
L2+25S 4+37.5E	1	27	25	79	.1	15	8	864	3.03	2	5	ND	4	17	.2	2	4	44	.11	.077	10	19	.50	70	.17	2	3.07	.01	.10	10	100.0
L2+25S 4+50E	1	23	25	82	.1	15	9	672	3.29	2	5	ND	4	23	.2	2	4	44	.12	.065	12	20	.58	81	.13	4	3.26	.01	.09	20	270.0
L2+25S 4+62.5E	1	26	25	77	.1	16	11	889	3.76	2	5	ND	5	31	.2	2	6	50	.20	.056	13	22	.81	87	.21	2	3.11	.02	.09	8	240.0
L2+25S 4+75E	3	25	23	74	.2	16	10	408	3.42	3	5	ND	4	26	.2	2	7	46	.13	.055	12	23	.58	75	.17	2	3.42	.01	.08	57	1520.0
L2+25S 4+87.5E	3	26	26	80	.3	16	10	513	3.45	2	5	ND	5	28	.2	2	7	44	.15	.062	13	21	.57	82	.17	3	3.87	.01	.08	12	580.0
L2+25S 5+00E	2	34	26	78	.1	17	11	380	3.59	4	5	ND	4	25	.2	2	5	47	.13	.058	12	22	.62	91	.14	2	3.36	.01	.09	16	240.0
L2+25S 5+12.5E	1	33	19	78	.2	29	10	1106	3.33	2	5	ND	2	155	.2	2	4	47	.91	.119	15	34	.90	120	.19	3	4.24	.01	.10	9	61.3
L2+50S 3+12.5E	1	13	38	80	.1	9	5	2089	2.43	10	5	ND	3	15	.7	2	5	42	.11	.044	6	13	.24	92	.20	3	1.67	.02	.07	1	210.0
L2+50S 3+25E	1	22	36	93	.1	17	7	1398	3.12	6	5	ND	4	19	.5	2	4	50	.12	.079	10	20	.55	104	.20	2	2.56	.01	.10	3	700.0
L2+50S 3+37.5E	1	17	35	91	.2	13	7	3523	2.62	7	5	ND	3	22	.5	2	4	43	.16	.104	8	14	.46	142	.15	3	1.91	.02	.11	2	1220.0
L2+50S 3+62.5E	1	21	22	69	.1	15	7	1039	2.99	3	5	ND	4	16	.2	2	5	46	.10	.065	9	18	.44	79	.21	3	3.21	.02	.08	5	210.0
L2+50S 3+75E	1	13	24	60	.2	9	5	1163	2.29	2	5	ND	2	16	.4	2	4	41	.12	.037	7	13	.25	75	.18	4	1.75	.02	.08	1	120.0
L2+50S 3+87.5E	1	14	22	90	.2	13	6	1868	2.82	2	5	ND	3	16	.3	2	5	45	.14	.060	6	15	.28	98	.23	2	2.39	.02	.08	1	220.0
L2+50S 4+12.5E	1	23	67	128	.1	17	8	1975	2.89	6	5	ND	4	17	.8	2	5	47	.12	.102	8	18	.43	110	.21	3	2.95	.01	.10	3	35.8
L2+50S 4+25E	1	18	18	78	.2	15	7	688	2.82	4	5	ND	3	18	.2	2	3	45	.13	.092	9	19	.48	67	.15	3	2.13	.02	.09	2	170.0
L2+50S 4+37.5E	1	16	30	104	.1	12	6	1975	2.56	9	5	ND	3	14	.4	2	5	40	.10	.144	7	14	.30	86	.20	4	2.56	.01	.09	2	62.8
L2+50S 4+62.5E	1	20	19	70	.2	15	9	898	3.33	2	5	ND	4	19	.2	2	3	45	.11	.058	12	18	.52	73	.14	4	2.72	.01	.10	9	200.0
L2+50S 4+75E	1	20	55	95	.2	15	10	998	3.49	6	5	ND	4	30	.4	2	5	49	.20	.064	13	20	.72	83	.21	5	2.56	.02	.11	11	920.0
L2+50S 5+12.5E	1	17	22	65	.1	15	8	833	3.11	2	5	ND	5	23	.2	2	5	45	.14	.051	10	19	.46	85	.19	3	2.66	.02	.08	16	190.0
STANDARD G-1	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.5
STANDARD C/AU-S	18	57	41	128	6.8	68	29	941	3.95	38	16	7	36	47	17.4	15	18	55	.47	.081	36	56	.85	171	.08	34	1.87	.06	.13	11	53.9

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. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

Fig. 6

DATE RECEIVED: NOV 4 1991 **DATE REPORT MAILED:** Nov 6/91.

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

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
L2+50S 5+25E	1	17	79	117	.2	16	9	2431	2.58	10	5	ND	2	26	1.0	2	4	41	.19	.079	10	15	.45	133	.15	5	2.44	.02	.09	16	130.0
L2+50S 5+62.5E	1	59	49	100	.1	73	20	1429	4.23	3	5	ND	2	58	.4	2	2	67	.40	.137	24	67	1.91	298	.25	4	3.10	.01	.18	3	170.0
L2+50S 5+75E	1	51	83	124	.1	66	21	1997	4.17	3	5	ND	2	170	1.1	2	2	65	.92	.239	30	52	1.95	692	.27	3	3.55	.02	.39	1	160.0
L2+50S 5+87.5E	1	64	18	104	.1	160	35	1213	5.57	2	5	ND	4	233	.6	2	2	90	1.47	.374	53	88	3.83	1679	.28	3	3.62	.04	1.05	1	27.5
L2+50S 6+12.5E	18	141	86	127	.3	73	25	1845	6.53	20	5	ND	3	95	.3	2	2	72	.47	.326	29	51	1.71	624	.25	3	2.70	.02	.35	24	210.0
L2+50S 6+25E	18	99	29	152	.3	27	26	1534	5.59	16	5	ND	1	85	.3	2	2	72	.18	.125	10	26	.98	220	.13	6	2.54	.01	.18	4	110.0
L2+50S 6+37.5E	15	125	98	188	.1	26	21	913	7.51	61	5	ND	2	41	.7	4	2	80	.13	.129	9	28	.95	143	.13	5	2.83	.02	.23	2	60.4
RD-1	4	42	29	112	.3	23	12	767	4.08	9	5	ND	1	47	.7	2	2	69	.47	.105	11	29	.90	116	.17	4	2.56	.02	.13	1	53.9
RD-2	11	28	22	93	.2	23	13	1926	3.58	5	5	ND	1	53	.3	2	2	68	.48	.073	22	39	1.01	99	.16	4	2.45	.02	.12	1	25.2
RD-3	9	35	45	115	.1	26	13	1532	3.96	7	5	ND	1	42	.7	2	4	73	.38	.075	14	32	1.05	138	.20	5	2.53	.02	.12	1	40.1
RD-4	4	34	16	104	.1	21	12	726	4.12	4	5	ND	2	22	.2	2	2	68	.16	.112	10	27	.74	113	.21	5	3.05	.02	.11	1	480.0
RD-5	3	32	24	93	.2	21	12	567	3.82	7	5	ND	3	25	.3	2	2	66	.21	.072	10	25	.73	91	.19	3	2.72	.02	.11	1	63.1
RD-6	3	36	23	108	.1	21	11	465	4.13	5	5	ND	2	28	.3	2	2	69	.22	.095	12	26	.80	96	.18	4	2.79	.01	.12	1	140.0
RD-7	3	30	27	102	.4	18	12	1065	4.04	4	5	ND	2	27	.2	4	2	69	.22	.065	10	25	.74	97	.19	5	2.50	.01	.10	1	56.1
RD-8	5	36	24	106	.1	21	13	1186	3.78	2	5	ND	2	34	.2	2	2	64	.30	.084	14	25	.80	103	.18	5	2.87	.02	.12	1	100.0
RD-9	7	37	25	105	.4	23	13	1010	4.00	6	5	ND	2	38	.3	2	2	69	.30	.068	20	34	.86	106	.20	6	3.06	.02	.12	1	37.1
RD-10	5	34	29	114	.4	24	13	867	4.05	2	5	ND	3	32	.2	3	2	62	.26	.106	14	30	.81	131	.22	6	3.16	.02	.13	1	38.4
RD-11	4	40	33	88	.3	24	14	1119	3.77	2	5	ND	3	39	.6	2	2	57	.29	.079	18	34	.88	141	.19	5	2.91	.01	.11	1	43.3
RE RD-14	2	23	19	57	.5	9	5	322	3.35	2	5	ND	3	10	.2	2	4	45	.06	.083	6	16	.24	46	.18	5	4.74	.01	.06	1	13.7
RD-12	2	25	18	89	.3	16	9	402	3.50	2	5	ND	3	16	.2	2	2	51	.10	.113	9	21	.50	95	.21	2	4.39	.02	.08	1	24.2
RD-13	2	21	12	60	.7	9	6	222	2.52	2	5	ND	3	8	.2	2	2	35	.05	.092	7	13	.19	49	.21	2	5.50	.02	.05	1	10.0
RD-14	2	23	21	56	.4	9	5	295	3.27	2	5	ND	2	9	.2	2	4	44	.05	.082	6	15	.22	45	.19	4	4.86	.01	.06	1	10.0
RD-15	1	24	28	71	.6	8	6	293	3.83	2	5	ND	4	12	.2	2	2	54	.08	.077	7	16	.27	50	.20	6	3.75	.01	.07	1	15.4
RD-16	2	21	20	75	.4	10	5	317	3.48	2	5	ND	4	11	.2	2	3	47	.08	.104	6	17	.26	55	.19	3	4.76	.01	.07	1	16.2
STANDARD G-1	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.2
STANDARD C/AU-S	19	60	37	133	7.4	71	32	1061	4.01	43	15	8	38	51	18.5	16	17	56	.48	.091	38	58	.89	179	.09	34	1.91	.06	.15	13	46.4

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

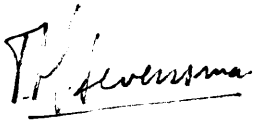
T. H. Hawkins

Fire assay

Hiawatha Resources Inc.

7. Cost-breakdown 1991 field program, Geochemical

July 12, 1991	Laying out fieldmap. J. Winfield	$ 37.45
Sept 03, 1991	Villa Motel, P.H. Sevensma, 3 days	$ 158.00
Sept 17-19 1991	Field Inspection, Permit	$ 267.99
Oct 17-19 1991	Inspecting Fieldwork, Slumberlodge	$ 142.31
Oct 13-23 1991	Gerex, moving backhoe in and out	$ 347.75
Oct 13-23 1991	Silver King contracting 4 1\2 days $440 & G.S.T. 440 backhoe	$2118.60
Oct 13-23 1991	Eric Denny, soil sampling	$ 300.00
Nov 06, 1991	Acme Assaying, 52 samples, rep. 91-5362	$ 662.87
Mar 05, 1992	Ken Kikawa final map	$ 289.67
Travel expenses	three trips Osoyoos-Nelson and return 600km each @0.25/km	$ 450.00
Supervison	3x3 days @ $300, P.H. Sevensma	$2700.00
Permit	M-X-5-244, bond	$1000.00
Report,	typing, painting P.H. Sevensma	$ 250.00
	Total	$8,724.64



Signed: P.H. Sevensma, Ph.D., P. Eng.
Exploration Manager