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A REPORT ON

GEOCHEMICAL SOIL SAMPLING

ON THE

WHITE BEAR-4 CLAIM GROUP

Atlin Mining Division NTS 104/J4

58° 13' North Latitude 131°46' West Longitude

RECEIVED

FEB 2 3 1002

, 45 % , 100<u>C</u>,

Gold Commissioner's Office VANCOUVER, B.C.

FOR

GOLDEN RING RESOURCES LTD. 808 WEST HASTINGS ST. VANCOUVER, B.C.

Prepared by

GREG Z. MOSHER P.GEOL

January 15, 1992

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,173

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#### 1.0 SUMMARY

The WHITE BEAR-4 Claim Group is located in northwestern British Columbia on the Hackett River, about 50 kilometers northwest of Telegraph Creek, and 100 kilometers southwest of Dease Lake. Access to the area is possible by small, fixed-wing aircraft; access to the claim area is by helicopter.

The area has been explored intermittently since the 1930's. Most work took place during the period 1968 through 1978 and was devoted to the discovery and evaluation of porphyry-type copper mineralization.

With trivial exceptions, only copper mineralization has been discovered in the area to date.

There are three principal copper occurrences: Copper Creek, Dick Creek, and Pyrrhotite Creek. In all three, the distribution of copper mineralization is controlled by fractures. The Copper and Pyrrhotite Creek occurrences are hosted by andesite; the Dick Creek showing is hosted by diorite.

The North Dick Creek grid area, the subject of this report, is situated between Copper and Dick Creeks, south of the Dick Creek showing.

On the basis of previous exploration it is known that the grid area is underlain by a belt of north-trending tuffs and sediments that are flanked by andesite flows.

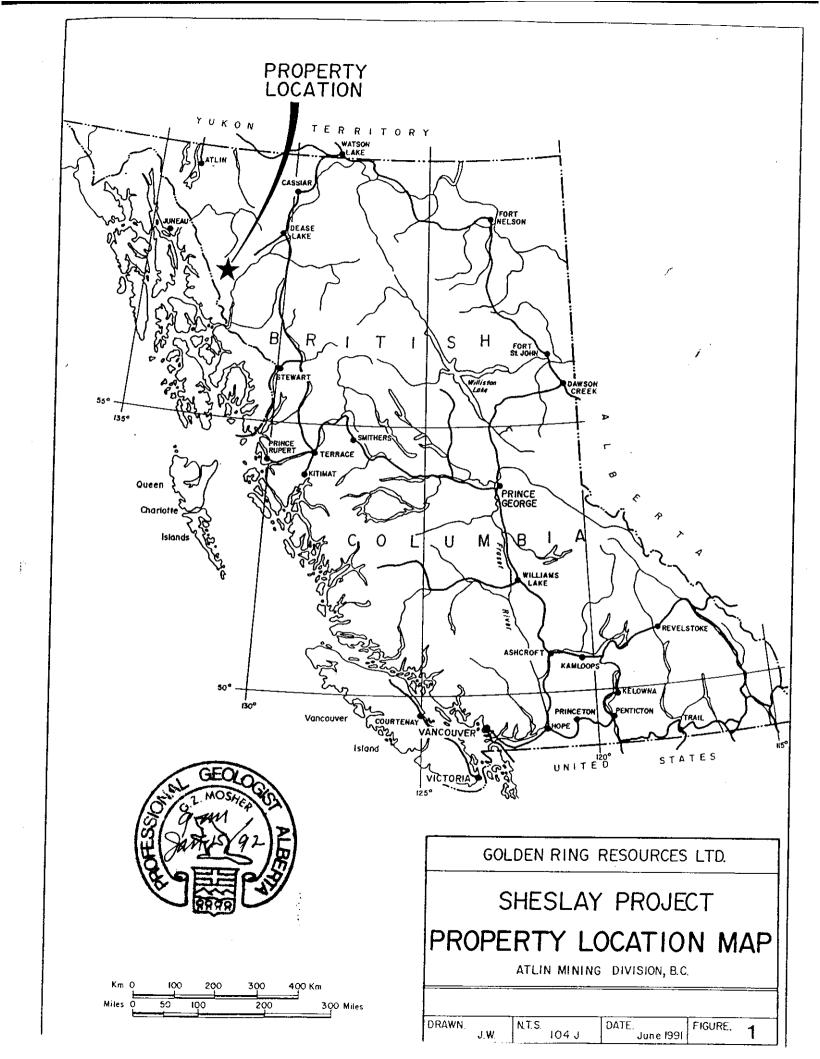
The grid area was previously investigated by an induced polorization survey and a soil geochemical survey, both with lines at 400-foot spacings. The I.P. survey detected a chargeability anomaly within the belt of tuffs, and the geochemical survey generated a gold-in-soil anomaly on two adjacent lines over the peak of the I.P. anomaly.

The present geochemical soil survey collected 233 samples at stations 25 meters apart on lines 50 meters apart, and tested in greater detail the area of the I.P and gold anomalies. All samples were analyzed for gold, lead, zinc, and copper.

Statistically anomalous results were obtained for all elements analyzed. There is only minor correlation between the distribution of anomalous values of the various elements.

Some of the highest values obtained in the survey are located on the northern and western boundaries of the grid.

It is recommended that the grid should be expanded to the north and west, and that all significant anomalies should be evaluated by trenching and prospecting.



### 2.0 LOCATION, TOPOGRAPHY and ACCESS

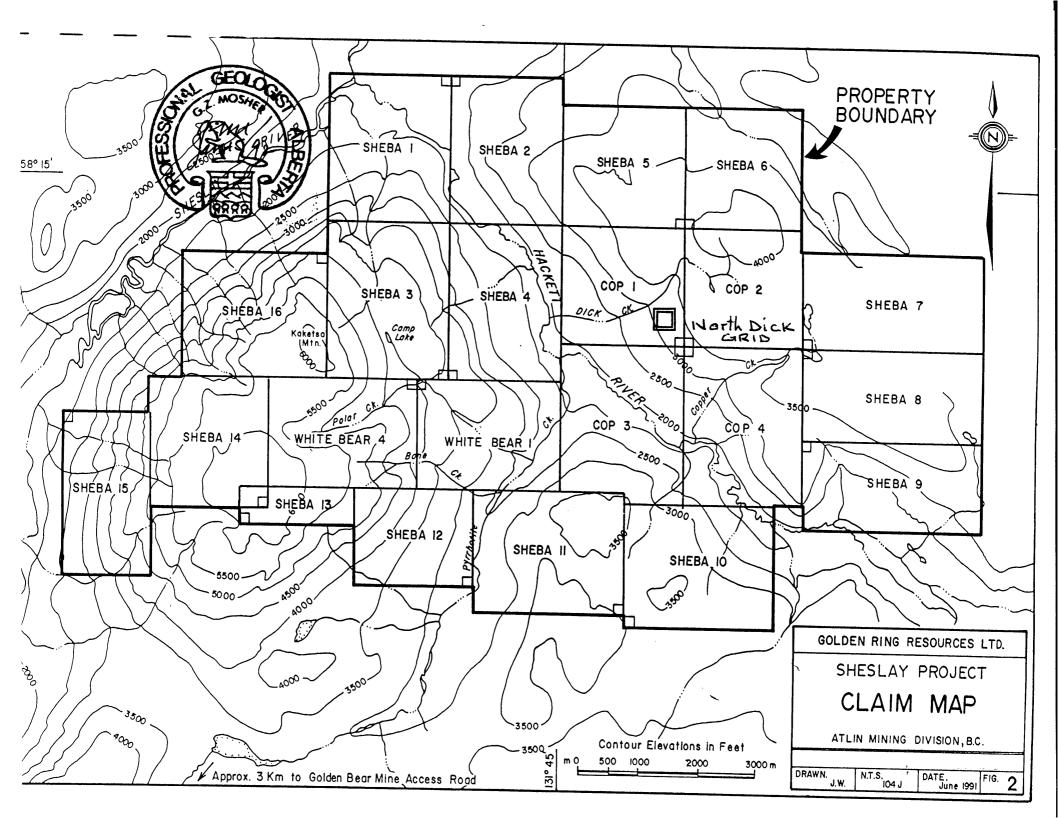
The WHITE BEAR-4 Claim Group is situated in northwestern British Columbia, about 50 kilometers northwest of the community of Telegraph Creek, and 100 kilometers southwest of Dease Lake. The claim group is centered on the Hackett River Valley, south and east of its confluence with the Sheslay River. This drainage ultimately empties into the Pacific Ocean east of Juneau, Alaska via the Inklin and Taku Rivers.

Most of the claim group lies between 600 and 1,300 meters above sea level. The highest point in the immediate area is Mt. Kaketsa at 1,830 meters ASL. The claims are bordered on the east by a basalt plateau about 1,200 meters ASL. The The Hackett River occupies a u-shaped glacial valley with relatively steep sides. The valley is forest-covered to about the 1,000 meter elevation.

Historically, the Hackett River Valley constituted part of the Telegraph Trail between Telegraph Creek and Atlin, and portions of the trail remain, but are no longer suitable for vehicles.

A gravel airstrip was constructed in the early 1970's near the junction of the Hackett and Sheslay Rivers, and is suitable for small aircraft. Tractor trails from Telegraph Creek to exploration areas near the subject claims were constructed during the late 1960's to early 1970's. The access road from Telegraph Creek to the Golden Bear Mine at Muddy Lake passes to within about five kilometers of the claims.

The field work described below was carried out by helicopter from a basecamp located at one end of the airstrip.



### 3.0 HISTORY OF EXPLORATION

### 3.1 Previous Programs

The area has a long history of mineral exploration, almost entirely directed to the discovery and evaluation of copper occurrences. The earliest reported activity took place on Copper Creek in 1935, but the first documented exploration in the area occurred in 1955 when Brikon Explorations tested the Copper Creek copper occurrence by four drill holes with an aggregate length of 149 meters.

Most exploration took place between 1968 and 1978 in the search for porphyry-type copper mineralization. Skyline Explorations was active between 1968 and 1973 and, with several joint venture partners, carried out reconnaissance geochemical sampling, geological mapping, and diamond drilling on the Copper Creek (6 holes, 1,050 meters), and Pyrrhotite Creek (9 holes, 1097 meters) copper occurrences.

During 1976 and 1977 United Cambridege Mines Ltd did geological and geochemical survey work in the Dick Creek showing area, followed by an extensive program of bulldozer trenching and road construction.

In 1980 United Cambridge Mines further evaluated the area between Dick and Copper Creeks with soil geochemistry and an I.P. geophysical survey. During 1983 and 1984 United Cambridge Mines carried out further geological mapping and geochemical sampling in this area.

### 3.2 Current Program

The work described in this report was part of a larger program to re-evaluate the known copper occurrences of the area for their gold-bearing potential, and to test for the presence of new gold occurrences.

The overall program consisted of an airborne Magnetic-VLF-EM survey, follow-up ground VLF on selected targets, soil geochemical surveying, reconnaissance geological mapping and prospecting.

The work carried out on the WHITE BEAR-4 Claim Group, and the subject of this report, consisted of soil-geochemical sampling within an area known as the North Dick Grid. This program is described in SECTION 5.0 below.

### 4.0 GEOLOGY and MINERALIZATION

### 4.1 Regional

The area is underlain by andesitic volcanic flows, tuffs, and clastic sediments that have been intruded by rocks of generally dioritic composition, all of presumed Triassic age. The area is cut by northwest-trending lineaments and faults, the most prominent of which is the Hackett River Valley. Northeast-trending fractures control the drainages of Dick, Copper, and Pyrrhotite Creeks.

There are three principal mineral occurrences in the area: Dick Creek and Copper Creek on the east, and Pyrrhotite Creek on the west side of the Hackett River. All are copper occurrences in which mineralization is controlled by fractures. The Dick Creek occurrence is hosted by diorite, the other two occur within andesite flows. Minor occurrences in the area include tuff-hosted lead-zinc mineralization south of Dick Creek, and copper mineralization in andesite on the lower eastern slope of Mt. Kaketsa.

### 4.2 Survey Area

There are few bedrock exposures within the area of the claim group, but, on the basis of previous mapping and limited prospecting in 1991, the area in which the geochemical soil sampling grid was established is interpreted to be underlain by a north-trending belt of tuffs and epiclastic sediments that are flanked to both the east and west by feldspar and hornblende-phyric andesitic flows.

Minor (<1%) disseminated pyrite was observed in one exposure of tuffaceous rocks; no basemetal or precious metal mineralization was noted.

#### 5.0 GEOCHEMISTRY

### 5.1 Survey Rationale

The North Dick Creek soil geochemical grid was established to investigate an I.P. chargeability anomaly with a maximum value of 90 milliseconds. Most of this anomaly is underlain by tuffs and sedimentary rocks but the highest portion is situated on or near the eastern tuff-andesite contact.

Previous geochemical sampling in this area was conducted on lines 400 feet apart. Although only scattered anomalous values of copper, lead, and zinc were detected, gold values in excess of 50 parts per billion (ppb) were found on two adjacent lines over the highest portion of the I.P. anomaly. It was therefore decided to test this area in greater detail.

### 5.2 Survey Parameters

Line 3200 SE from the 1980 survey grid of United Cambridge Mines Ltd was used as the centerline of the present survey. The UCM grid is somewhat irregular, but lines are oriented essentially at 045° azimuth. Station 0+00 on the baseline was located at the northeast end of the existing Line 3200SE which is the local height of land, and about 200 meters southwest of a small lake. Adjacent lines were established by chain and compass. Stations were chained and marked by plastic flagging.

The grid initially consisted of seven lines (1+50 grid East and West), each extending 500 meters to the grid south with stations at 25-meter intervals. This grid was eventually extended laterally to 2+50E and 2+00W, as well as up to 150 meters to the grid north (edge of swamp) on the basis of results obtained from samples collected on the initial seven lines.

Samples were collected from the "B" horizon at depths from 15 to 30 centimeters below surface by use of a mattock or trenching tool, and were placed in kraft bags. Each sample contained from 300 to 500 grams of material. Samples were air-dried in camp prior to packaging and shipping.

In total, 233 samples were collected and sent to TSL Laboratories in Saskatoon for analysis of gold, copper, lead, and zinc.

The analytical procedure is as follows: Samples are screened to minus 80-mesh: for gold, a 30 gram sample is fused, cupelled, and the subsequent gold bead is dissolved in aqua regia. The solution is then analyzed by atomic absorption.

For basemetals, a one gram sample is digested with five milliliters of aqua regia for 1.5 to two hours, then diluted with water. The solutions are then analyzed by atomic absorption.

Copies of the certificates of analysis are included in this report as APPENDIX 11.1. These results are also presented in sequence as APPENDIX 11.2. It should be noted that grid references in APPENDIX 11.2 are all expressed as eastings and northings, therefore locations west of the centerline or south of the baseline are negative, i.e. Station 1+25S on Line 1+00W is expressed as -1+25/-1+00. This was done as a convenience for computerization of the grid.

### 5.3 Discussion of Analytical Results

#### 5.3.1 GOLD

The statistical parameters of the gold population are presented on the last page of APPENDIX 11.2. Mean is 30 ppb. Five percent of the sample population (12 samples) have a value in excess of the mean plus two standard deviations (126 ppb) and are considered to be anomalous.

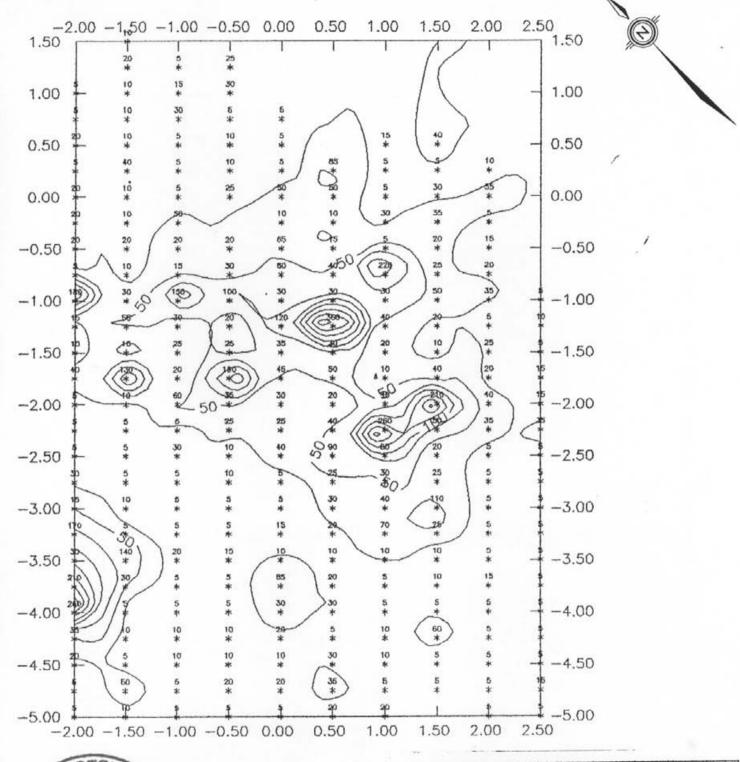
The 50 ppb contour is generally coincident with the 50 ppb anomaly as interpreted from the UCM survey data. Anomalous values fall into two main groupings: 1) in the core of the main 50 ppb contour, and 2) in a cluster in the southwest corner of the grid. The first group straddles the presumed contact between tuffs and flows; the second group is well within the area considered to be underlain by tuffs and sediments.

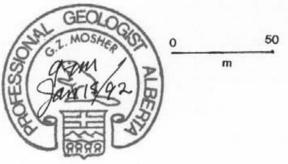
During the sampling program, no mineralization was found within the grid area with the exception of minor disseminated pyrite within one outcrop of tuffs. There was only cursory follow-up of anomalies. The distribution of gold anomalies correlates poorly with the other elements analyzed (see summary at end of APPENDIX 11.2), but several of the high gold values are coincident with high copper values, and the 50 ppb gold contour is approximated by the 500 ppm zinc contour.

#### 5.3.2 LEAD

Statistics on the lead population are presented at the end of APPENDIX 11.2. The mean is 18 ppm. Three percent (7 values) of the population exceeds the anomalous threshold (Mean+2SD) of 74 ppm, and with one exception these values fall along a northerly trend from the center of the grid to the northwest corner.

This trend approximates the trend of the tuff-flow contact and is consistent with a trend in zinc values obtained by UCM within the belt of tuffs and sediments south of the present grid as far as Copper Creek.



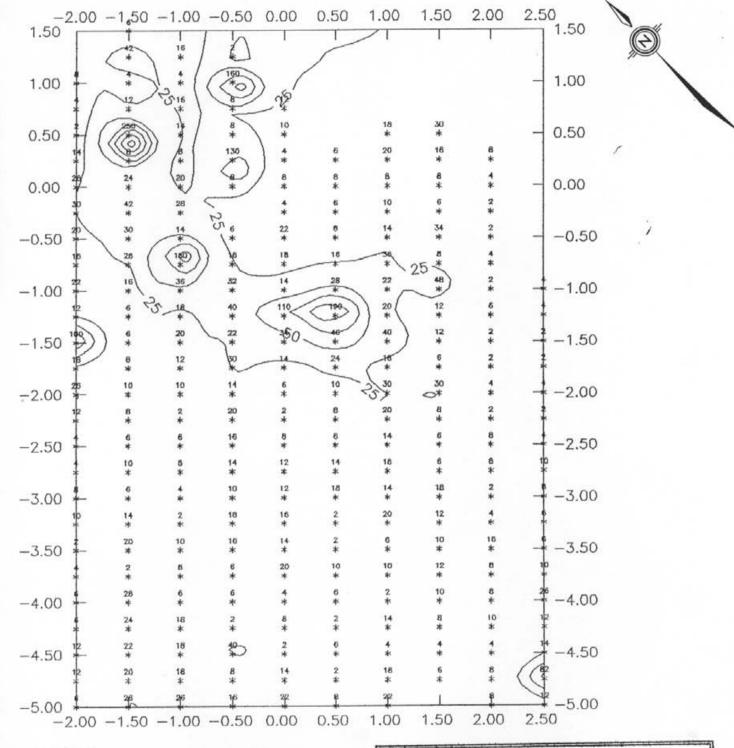


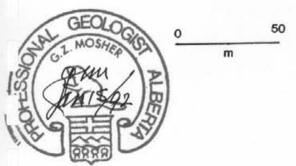
WHITE BEAR-4 CLAIM GROUP

GOLD-IN-SOIL DISTRIBUTION

CONTOUR INTERVAL: 25 ppb

FIGURE 3.0





WHITE BEAR-4 CLAIM GROUP

LEAD-IN-SOIL DISTRIBUTION

CONTOUR INTERVAL: 25 ppm

FIGURE 4.0

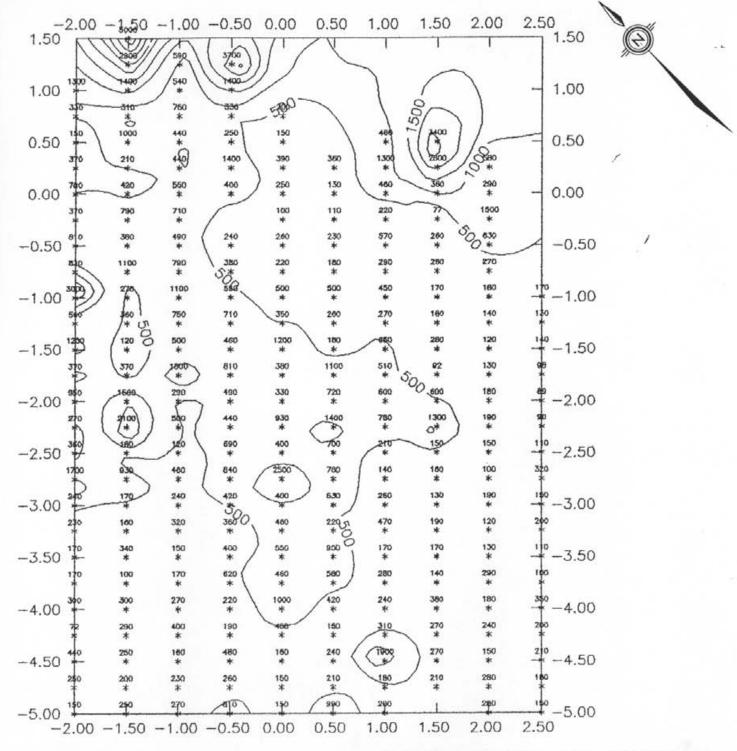
#### 5.3.3 ZINC

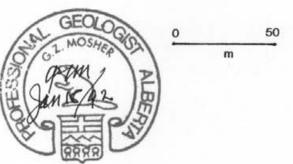
Zinc statistics are presented at the end of APPENDIX 11.2. The mean is 622 ppm, mean plus two standard deviations is 1,763 ppm. There are seven anomalous values; the highest (5,000 ppm (upper limit of detection)), is at Station 1+50N on Line 1+50W at the northwest corner of the grid and is close to two other high values. If this cluster of high values is linked with two other high values at Stations 0+25 and 0+50N on Line 1+50E, a northerly trend emerges that is consistent with others observed, but is well within the andesites, rather than the tuffs and sediments as observed elsewhere.

As mentioned above, no mineralization has been found in place.

### 5.3.4 COPPER

The copper population has a mean value of 451 ppm and an anomalous threshold of 1,167 ppm. Seven samples are anomalous. One is located in the northwest corner of the grid 25 meters south of two high zinc values. The highest value (5,000 ppm (upper limit of detection)) at Station 3+00S on Line 1+00W does not correlate with any of the other metal anomalies, but this sample and three others define a weak northeast trend. This area is presumed to be underlain by tuffs and sediments, but nothing is known of the significance of these values.



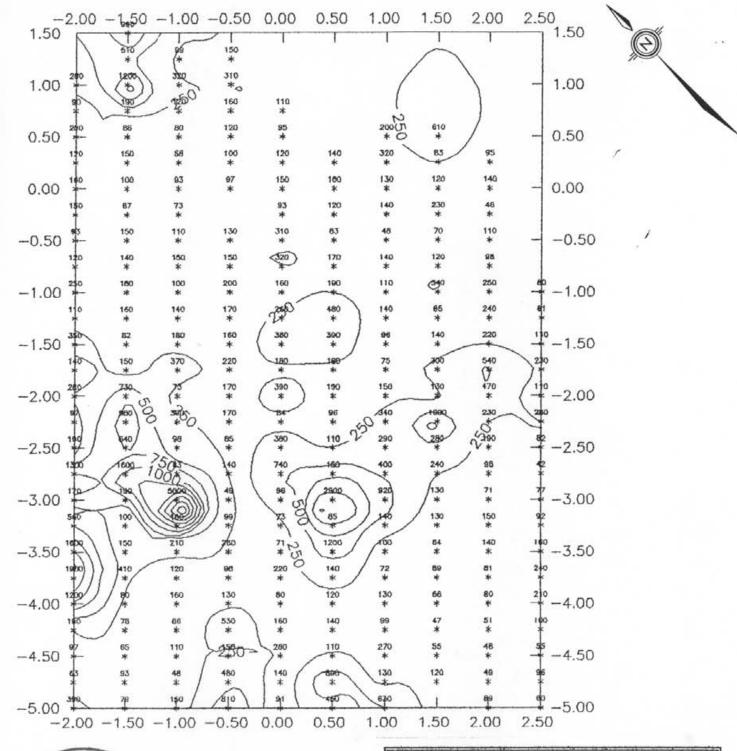


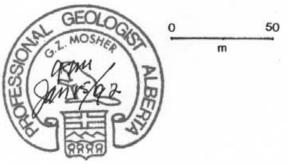
WHITE BEAR-4 CLAIM GROUP

ZINC-IN-SOIL DISTRIBUTION

CONTOUR INTERVAL: 500 ppm

FIGURE 5.0





WHITE BEAR-4 CLAIM GROUP

COPPER-IN-SOIL DISTRIBUTION

CONTOUR INTERVAL: 250 ppm

FIGURE 6.0

### 6.0 EXPENDITURES

Expenditures incurred in the execution of the work described above amount to: \$42,904.29.

The expenditures attributable to the sampling program described in this report are calculated as a proportion of total project expenditures from July 11 until July 19, the end of the field program: The field crew consisted of four persons, therefore during this period there was a total of 9\*4 = 36 mandays of activity. The soil sampling consumed eight (8) mandays or 8/36 = 22 percent of eligible expenditures. Total expenditures for the project from July 11, 1991 onwards amounted to \$195,019.53, and are included in summary form as APPENDIX 11.3.

Cost Break down:

WHITE BEAR 4 Claim

Weed 22% of Project Volal

(Del Appendices)

Hi-Tec Costy: 19886

Camp Kodging 7380 8 man

Accom:

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Bushlying Rept.

Greg Masher (nstt) 1979

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Revital of Day Camp 737

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### 8.0 RECOMMENDATIONS

- The grid should be extended to the north and west to fully 1) explore the extent of the anomalies detected on the boundaries of the present grid.
- 2) The presently-known anomalies should be investigated by trenching and detailed prospecting to determine possible bedrock sources.
- 3) Further work shold be predicated upon the results of the first two recommendations.

Greg Z. Mosher P.Geol.





### 9.0 STATEMENT OF QUALIFICATIONS

- I, Gregory Zale Mosher of West Vancouver, British Columbia, do hereby certify that:
  - 1) I am a consulting geologist with a business address at 2317 Bellevue Avenue, West Vancouver, British Columbia.
  - 2) I am a graduate of Dalhousie University, (B.Sc. Hons., 1970), and McGill University, (M.Sc. Applied, 1973).
  - 3) I have practiced my profession in mineral exploration continuously for the past 18 years.
  - 4) I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, and a Fellow of the Geological Association of Canada.
  - 5) I have no interest, direct or indirect, nor do I expect to receive any in the securities of Golden Ring Resources Ltd., nor of the claims discussed herein.
  - 6) I have based this report upon information obtained during supervision of the project from July 01 through July 19, 1991.

Signed and dated this 15th day of January, 1991, at Vancouver, British Columbia.

G.Z. Mosher

9 mosker

## 10.0 REFERENCES

1) Darney, R.J. and Ikona, C.K., June 1991: SUMMARY REPORT ON THE SHESLAY RIVER PROJECT FOR GOLDEN RING RESOURCES

# 11.0 APPENDICIES

11.1 CERTIFICATES OF ANALYSES, TSL LABORATORIES



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# TSL LABORATO

DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN 57K 6A4

(306) 931-1033 FAX: (306) 242-4717

### CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10

808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT No. S2732

SAMPLE(S) OF Soils

INVOICE #:

17614

P.O.:

Project: GDZSH

NORTH DICK GRID

REMARKS: Hi-Tec Resource Management Ltd.

	Au	Pb	Zn	Cu
	ppb	ppm	mqq	ppm
BL0+00 0+00	50	8	250	150
BL0+00 0+25S	10	4	100	93
BL0+00 0+50S	65	22	260	310
BL0+00 0+75S	60	18	220	320
BL0+00 1+00S	30	14	500	160
BL0+00 1+25S	120	110	350	260
BL0+00 1+50S	35	34	1200	380
BL0+00 1+75S	45	14	380	180
BL0+00 2+00S	30	6	330	390
BL0+00 2+25S	25	<2	930	84
BLO+00 2+50S BLO+00 2+75S BLO+00 3+00S BLO+00 3+25S BLO+00 3+50S	40 5 5 15	8 12 12 16 14	400 2500 400 460 550	380 740 96 73 71
BLO+00 3+75S	85	20	460	220
BLO+00 4+00S	30	4	1000	80
BLO+00 4+25S	20	8	400	160
BLO+00 4+50S	10	<2	180	280
BLO+00 4+75S	20	14	150	140

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	Au	Pb	Zn	Cu
	ppb	ppm	ppm	ppm
BL0+00 5+00S	<5	22	150	91
L0+50W 0+00	25	8	400	97
L0+50W 0+50S	20	6	240	130
L0+50W 0+75S	30	16	380	150
L0+50W 1+00S	100	32	530	200
L0+50W 1+25S	20	40	710	170
L0+50W 1+50S	25	22	460	160
L0+50W 1+75S	190	30	810	220
L0+50W 2+00S	35	14	490	170
L0+50W 2+25S	25	20	440	170
L0+50W 2+50S	10	16	690	85
L0+50W 2+75S	10	14	840	140
L0+50W 3+00S	5	10	420	49
L0+50W 3+25S	5	18	360	99
L0+50W 3+50S	15	16	400	280
L0+50W 3+75S	<5	6	620	98
L0+50W 4+00S	5	6	220	130
L0+50W 4+25S	10	<2	190	530
L0+50W 4+50S	10	40	480	150
L0+50W 4+75S	20	8	260	480

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	Au ppb	Pb ppm	Zn ppm	Cu ppm	Cu ४
LO+50W 5+00S	5	16	810	810	
L1+00W 0+00	5	20	550 710	93 73	
L1+00W 0+25S L1+00W 0+50S	50 20	28 14	710 <b>4</b> 90	73 110	
L1+00W 0+30S L1+00W 0+75S	20 15	180	790	150	
TITOOM OT/22	13	100	790	130	
L1+00W 1+00S	150	36	1100	100	
L1+00W 1+25S	30	18	720	140	
L1+00W 1+50S	25	20	500	180	
L1+00W 1+75S	20	12	1500	370	
L1+00W 2+00S	60	10	290	73	
L1+00W 2+25S	<5	<2	500	390	
L1+00W 2+50S	30	6	120	98	
L1+00W 2+75S	<5	8	460	63	
L1+00W 3+00S	5	4	240	>5000	.60
L1+00W 3+25S	<5	2	320	180	
L1+00W 3+50S	20	10	150	210	
L1+00W 3+75S	5	8	170	120	
L1+00W 4+00S	5	6	270	160	
L1+00W 4+25S	10	18	400	86	
L1+00W 4+50S	10	18	160	110	

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P.O.:

Project: GDZSH

REMARKS: Hi-Tec Resource Management Ltd.

	Au	Pb	Zn	Cu
	ppb	ppm	ppm	ppm
7.1.00U A.05	. =			
L1+00W 4+75S	<5	18	230	48
L1+00W 5+00S	5	26	270	150
L1+50W O+00	10	24	420	100
L1+50W O+25S	10	42	790	87
L1+50W 0+50S	20	30	380	150
L1+50W 0+75S	10	26	1100	140
L1+50W 1+00S	30	16	270	
L1+50W 1+25S	55	6		180
			360	160
	10	6	120	82
L1+50W 1+75S	130	8	370	150
L1+50W 2+00S	10	10	1500	730
L1+50W 2+25S	5	8	2100	980
L1+50W 2+50S	5	6	180	640
L1+50W 2+75S	<5	10	930	1600
L1+50W 3+00S	10	6	170	190
L1+50W 3+25S	<5	14	160	100
L1+50W 3+50S	140			100
		20	340	150
L1+50W 3+75S	30	<2	100	410
L1+50W 4+00S	5	28	300	80
L1+50W 4+25S	10	24	290	78

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REMARKS: Hi-Tec Resource Management Ltd.

	Au	Pb	Zn	Cu
	ppb	ppm	ppm	ppm
L1+50W 4+50S	<5	22	250	65
L1+50W 4+75S	50	20	200	93
L1+50W 5+00S	10	26	250	79
LO+50E O+00	50	8	130	160
LO+50E O+25S	10	6	110	120
10.30E 0.233	10	U	110	120
LO+50E O+50S	15	8	230	83
LO+50E O+75S	40	16	180	170
LO+50E 1+00S	30	28	500	190
LO+50E 1+25S	360	190	260	480
LO+50E 1+50S	30	46	180	390
LO+50E 1+75S	50	24	1100	180
LO+50E 2+00S	20	10	720	190
LO+50E 2+25S	40	8	1400	96
LO+50E 2+50S	90	6	700	110
LO+50E 2+75S	25	14	760	150
L0+50E 3+00S	30	18	630	2900
LO+50E 3+25S	20	<2	220	85
LO+50E 3+50S	10	2	950	1200
LO+50E 3+75S	20	10	580	140
LO+50E 4+00S	30	6	420	120

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2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN S7K 6A4 (306) 931-1033 FAX: (306) 242-4717

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT No. S2732

Soils SAMPLE(S) OF

INVOICE #:

17614

P.O.:

Project: GDZSH

Hi-Tec Resource Management Ltd. **REMARKS:** 

		Au	Pb	Zn	Cu
		ppb	ppm	ppm	ppm
L0+50E	4+25S	5	2	150	140
L0+50E	4+50s	30	6	240	110
L0+50E	4+75S	35	<2	210	890
LO+50E	5+00s	20	8	990	450
L1+00E	0+00	5	8	460	130
L1+00E	0+25S	30	10	220	140
L1+00E	0+50s	5	14	570	48
L1+00E	0+75s	220	36	290	140
L1+00E	1+00s	30	22	450	110
L1+00E	1+25S	40	20	270	140
L1+00E	1+50s	20	40	650	96
L1+00E	1+75S	10	18	510	75
L1+00E	2+00s	40	30	600	150
L1+00E	2+25S	260	20	780	340
L1+00E	2+50s	50	14	210	290
L1+00E	2+75S	30	18	140	400
L1+00E	3+00s	40	14	260	920
L1+00E	3+25S	70	20	470	140
L1+00E	3+50s	10	6	170	100
L1+00E	3+75s	5	10	280	72

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DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN S7K 6A4 (306) 931-1033 FAX: (306) 242-4717

### CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT No. S2732

SAMPLE(S) OF Soils

INVOICE #: 17614

P.O.:

Project: GDZSH

Hi-Tec Resource Management Ltd. REMARKS:

	Au	Рb	Zn	Cu
	ppb	ppm	ppm	ppm
L1+00E 4+00S	<5	<2	240	130
L1+00E 4+25S	10	14	310	99
L1+00E 4+50S	10	4	1900	270
L1+00E 4+75S	5	18	180	130
L1+00E 5+00S	20	22	200	630
L1+50E 0+00	30	8	360	120
L1+50E 0+25S	35	6	77	230
L1+50E 0+50S	20	34	260	70
L1+50E 0+75S	25	8	260	120
L1+50E 1+00S	50	48	170	340
L1+50E 1+25S	20	12	180	85
L1+50E 1+50S	10	12	280	140
L1+50E 1+75S	40	6	92	300
L1+50E 2+00S	210	30	600	130
L1+50E 2+25S	50	8	1300	1000
L1+50E 2+50S	20	6	150	280
L1+50E 2+75S	25	6	160	240
L1+50E 3+00S	110	18	130	130
L1+50E 3+25S	25	12	190	130
L1+50E 3+50S	10	10	170	64

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2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN

(306) 931-1033 FAX: (306) 242-4717

### **CERTIFICATE OF ANALYSIS**

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT No. S2732

SAMPLE(S) OF Soils

INVOICE #:

17614

P.O.:

Project: GDZSH

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb	Pb ppm	Zn ppm	Cu ppm
L1+50E 3+75S	10	12	140	89
L1+50E 4+00S	5	10	380	66
L1+50E 4+25S	60	8	270	47
L1+50E 4+50S	5	4	270	55
L1+50E 4+75S	5	6	210	120

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DIV BURGENER TECHNICAL ENTERDRISES LIMITED

2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN S7K 6A4

306) 931-1033 FAX: (306) 242-4717

### CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT No. \$2848

SAMPLE(S) OF Soils

INVOICE #: 17770 P.O.: 1S-0216-SG1

Project: GDZSH

NORTH DICK EXTENSION

REMARKS: Hi-Tec Resource Management Ltd.

	Au ppb	Pb ppm	Zn ppm	Cu ppm
L 1+00W 0+25N	30	32	730	100
PS L0+00E 2+00N	<5	6	660	60
PS LO+00E 1+75N	<5	6	190	99
PS LO+00E 1+50N	<5	6	390	5 <b>4</b>
PS LO+00E 1+25N	<5	30	550	46
PS LO+00E 1+00N	<5	8	260	43
PS LO+00E O+75N	10	14	230	46
PS LO+00E O+50N	<5	20	360	67
PS LO+00E 0+25N	<5	22	600	72
PS LO+00E B/L	<5	14	720	65
PS LO+00E 0+25S	5	12	450	63
PS LO+00E O+50S	<5	14	580	61
PS LO+00E 0+75S	<5	12	250	56
PS LO+00E 1+00S	5	8	260	50
PS LO+00E 1+25S	5	4	210	70
PS LO+00E 1+50S	10	10	210	140
PS LO+00E 1+75S	5	4	270	93
PS LO+00E 2+00S	5	8	350	67
PS L1+00E 2+00N	15	<2	170	32
PS L1+00E 1+75N	<5	8	760	91

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2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN S7K 6A4

REPORT No.

(306) 931-1033 FAX: (306) 242-4717

# CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

S2848

SAMPLE(S) OF Soils

INVOICE #: 17770 P.O.: 1S-0216-SG1

Project: GDZSH

REMARKS: Hi-Tec Resource Management Ltd.

		Au ppb	Pb ppm	Zn ppm	Cu ppm
PS L1+00E	1+50N	<5	8	180	67
PS L1+00E	1+25N	35	4	210	210
PS L1+00E	1+00N	35	10	250	49
PS L1+00E	0+75N	5	24	230	69
PS L1+00E	0+50N	5	18	280	47
PS L1+00E		<5	14	400	80
PS L1+00E	•	<5	16	450	51
PS L1+00E		<5	8	330	72
PS L1+00E		50	8	290	82
PS L1+00E	0+75S	150	8	330	51
PS L1+00E	1+000	75	8	340	94
PS L1+00E		/5 <5	8	220	57
PS L1+00E		`5	10	420	69
PS L1+00E		130	6	210	47
PS L1+00E		25	4	210	94
13 11.001	21005	23		210	94
PS L2+00E	2+00N	55	18	690	47
PS L2+00E	1+75N	25	14	460	48
PS L2+00E	1+50N	<5	26	190	230
PS L2+00E	1+25N	80	12	170	120
PS L2+00E	1+00N	<5	14	410	51

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2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN S7K 6A4

(306) 931-1033 FAX: (306) 242-4717

### CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT No. \$2848

SAMPLE(S) OF Soils

INVOICE #: 17770 P.O.: 1S-0216-SG1

Project: GDZSH

REMARKS: Hi-Tec Resource Management Ltd.

	Au	Pb	Zn	Cu	Cu
	ppb	ppm	ppm	ppm	४
PS L2+00E 0+75N	10	22	180	43	
PS L2+00E 0+50N	5	16	220	48	
PS L2+00E 0+25N	5	8	330	49	
PS L2+00E B/L	30	6	430	42	
PS L2+00E 0+25S	15	14	330	120	
PS L2+00E 0+50S	30	4	270	140	
PS L2+00E 0+75S	35	4	200	560	
PS L2+00E 1+00S	35	22	360	180	
PS L2+00E 1+25S	10	8	180	110	
PS L2+00E 1+50S	<5	8	210	170	
PS L2+00E 1+75S	5	8	180	120	
PS L2+00E 2+00S	5	8	260	68	
PS L2+50E 0+25N	20	8	280	120	
PS L2+50E B/L	15	8	160	86	
PS L2+50E 0+25S	15	<2	130	160	
PS L2+50E 0+50S	5	<2	400	>5000	.71
PS L2+50E 0+75S	65	2	240	490	
PS L3+00E 2+50N	<5	16	140	73	
PS L3+00E 2+25N	15	28	150	75	
PS L3+00E 2+00N	35	30	850	72	

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### CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street

Vancouver, B.C. V6C 2X6

REPORT No. S2848

SAMPLE(S) OF Soils

17770 INVOICE #: P.O.: 1S-0216-SG1

Project: GDZSH

REMARKS: Hi-Tec Resource Management Ltd.

			Au	Pb	Zn	Cu
			ppl	mqq c	mqq	ppm
PS	L3+00E	1+75N	15	8	680	76
PS	L3+00E	1+50N	5	6	470	74
PS	L3+00E	1+25N	5	4	420	66
PS	L3+00E	1+00N	210	10	400	56
PS	L3+00E	0+75N	55	16	180	98
PS	L3+00E	0+50N	5	10	270	50
	L3+00E		10	16	250	120
	L3+00E		15	8	290	69
	L3+00E	•	5	14	190	81
	L3+00E		5	14	410	49
Pς	L3+00E	0+759	5	12	300	120
	L3+00E		10	10	200	90
	L3+00E		<5	8	200	130
	L3+00E		<b>&lt;</b> 5	8	180	110
	L3+00E		<b>&lt;</b> 5	8	240	300
1.5	HO.00L	1.735	\3	J	240	300
PS	L3+00E	2+00s	<5	36	360	250
PS	L4+00E	2+25N	5	18	99	200
PS	L4+00E	2+00N	Not	Rec'd		
PS	L4+00E	1+75N	5	12	470	48
PS	L4+00E	1+50N	5	6	400	110

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2 - 302 - 48th STREET, EAST SASKATOON, SASKATCHEWAN S7K 6A4 (306) 931-1033 FAX: (306) 242-4717

### CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Prime Exploration Ltd. 10th Floor-Box 10 808 West Hastings Street Vancouver, B.C. V6C 2X6

REPORT No. \$2848

SAMPLE(S) OF Soils

INVOICE #: 17770 P.O.: 1S-0216-SG1

Project: GDZSH

REMARKS: Hi-Tec Resource Management Ltd.

		Au	Pb	Zn	Cu
		ppb	ppm	ppm	ppm
PS L4+00E	1+25N	530	8	780	140
PS L4+00E		<b>&lt;</b> 5	4	230	48
PS L4+00E	0+75N	<5	8	300	32
PS L4+00E		5	18	140	130
PS L4+00E	0+25N	<5	2	190	150
PS L4+00E	•	<5	2	740	120
PS L4+00E		5	18	140	110
PS L4+00E		5	18	240	83
PS L4+00E	0+75S	<5	10	200	53
PS L4+00E	1+00S	<5	16	170	200
PS L4+00E	1+25S	25	2	2000	340
PS L4+00E		<5	2	1500	140
PS L4+00E		<5	10	210	140
PS L4+00E	2+00S	<5	4	220	100

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## 11.0 APPENDICES

11.2 ANALYTICAL RESULTS AND STATISTICAL SUMMARY

SHESLAY PROJECT; SOIL SAMPLE ANALYSES

EAST	NORTH	GOLD	LEAD	ZINC	COPPER
-1.50	-1.25	55	6	360	160
-1.50	-1.50	10	6	120	82
-1.50	-1.75	130	8	370	150
-1.50	-2.00	10	10	1500	730
-1.50	-2.25	5	8	2100	980
<b>~1.50</b>	-2.50	5	6	180	640
-1.50	-2.75	5	10	930	1600
-1.50	-3.00	10	6	170	190
-1.50	-3.25	5	14	160	100
-1.50	-3.50	140	20	340	150
-1.50	-3.75	30	2	100	410
-1.50	-4.00	5	28	300	80
-1.50	-4.25	10	24	290	78
-1.50	-4.50	5	22	250	65
-1.50	-4.75	50	20	200	93
-1.50	-5.00	10	26	250	79
-2.00	1.00	5	8	1300	280
-2.00	0.75	5	4	330	90
-2.00	0.50	20	2	150	200
-2.00	0.25	5	14	370	120
-2.00	0.00	20	26	700	160
-2.00	-0.25	20	30	370	150
-2.00	-0.50	20	20	810	93
-2.00	-0.75	5	16	830	120
-2.00	-1.00	180	22	3000	250
-2.00	+1.25	15	12	560	110
-2.00	-1.50	10	100	1200	350
-2.00	<del>-</del> 1.75	40	18	370 950	140 280
-2.00 -2.00	-2.00	5 5	26 12	270	280 97
-2.00 -2.00	-2.25 -2.50	5 5	4	360	100
-2.00	-2.75	30	4	1700	1300
-2.00	-3.00	15	8	240	170
-2.00	-3.00 -3.25	170	10	230	560
-2.00	-3.50	30	2	170	1600
-2.00	-3.75	210	4	170	1900
-2.00	-4.00	260	6	300	1200
-2.00	-4.25	35	6	72	190
-2.00	-4.50	20	12	440	97
-2.00	-4.75	5	12	250	63
-2.00	-5.00	5	6	150	390
		<del>-</del>	-		

SHESLAY PROJECT: SOIL SAMPLE ANALYSES

EAST	NORTH	GOLD	LEAD	ZINC	COPPER
-0.50	-2.50	10	16	690	85
-0.50	-2.75	10	14	840	140
-0.50	-3.00	5	10	420	49
-0.50	-3.25	5	18	360	99
-0.50	-3.50	15	16	400	280
-0.50	-3.75	5	6	620	98
-0.50	-4.00	5	6	220	130
-0.50	-4.25	10	2	190	530
-0.50	-4.50	10	40	480	150
-0.50	-4.75	20	8	260	480
-0.50	-5.00	5	16	810	810
-1.00	1.25	5	16	590	99
-1.00	1.00	15	4	540	320
-1.00	0.75	30	16	750	120
-1.00	0.50	5	14	440	80
-1.00	0.25	5	8	440	58
-1.00	0.00	5	20	550 710	93
-1.00 -1.00	-0.25	50 20	28	710 490	73 110
-1.00	-0.50 -0.75	20 15	14 180	790	150
-1.00	-1.00	150	36	1100	100
-1.00	-1.25	30	18	720	140
-1.00	-1.50	25	20	500	180
-1.00	-1.75	20	12	1500	370
-1.00	-2.00	60	10	290	73
-1.00	-2.25	5	2	500	390
-1.00	-2.50	30	6	120	98
-1.00	-2.75	5	8	460	63
-1.00	-3.00	5	4	240	5000
-1.00	<del>-</del> 3.25	5	2	320	180
-1.00	-3.50	20	10	150	210
-1.00	-3.75	5	8	170	120
-1.00	-4.00	5	6	270	160
-1.00	-4.25	10	18	400	86
-1.00	-4.50	10	18	160	110
-1.00	-4.75	5	18	230	48
-1.00	-5.00	5	26	270	150
-1.50	1.50	10	6	5000	990
-1.50	1.25	20	42	2900	510
-1.50	1.00	10	4	1400	1200
-1.50	0.75	10	12	310	190
-1.50	0.50	10	250	1000	86 150
-1.50	0.25	40	8	210	150
-1.50	0.00	10	24	420	100
+1.50	-0.25	10	42	790	87 150
-1.50 -1.50	-0.50 -0.75	20 10	30 26	380 1100	150 140
-1.50 -1.50	-1.00	30	26 16	270	180
-1.50	-1.00	30	10	270	100

SHESLAY PROJECT: SOIL SAMPLE ANALYSES

EAST	NORTH	GOLD	LEAD	ZINC	COPPER
0.50	-2.75	25	14	760	150
0.50	-3.00	30	18	630	2900
0.50	<b>→3.2</b> 5	20	2	220	85
0,50	-3.50	10	2	950	1200
0.50	-3.75	20	10	580	140
0.50	-4.00	30	6	420	120
0.50	-4.25	5	2	150	140
0.50	-4.50	30	6	240	110
0.50	-4.75	35	2	210	890
0.50	-5.00	20	8	990	450
0.00	0.75	5	12	200	110
0.00	0.50	5	10	150	95
0.00	0.25	5	4	390	120
0.00	0.00	50	8	250	150
0.00	-0.25	10	4	100	93
0.00	-0.50	65	22	260	310
0.00	-0.75	60	18	220	320
0.00	-1.00	30	14	500	160
0.00	-1.25	120	110	350	260
0.00	+1.50	35	34	1200	380
0.00	-1.75	45	14	380	180
0.00	-2.00	30	6	330	390
0.00	-2.25	25	2	930	84
0.00	-2.50	40	8	400	380
0.00	-2.75	5	12	2500	740
0.00	-3.00	5	12	400	96
0.00	-3.25	15	16	460	73
0.00	-3.50	10	14	550	71
0.00	-3.75	85	20	460	220
0.00	-4.00	30	4	1000	80
0.00	-4.25	20	8	400	160
0.00	-4.50	10	2	180	280
0.00	-4.75	20	14	150	140
0.00	-5.00	5	22	150	91
-0.50	1.25	25	2	3700	150
-0.50	1.00	30	160	1400	310
-0.50	0.75	5	8	330	160
-0.50	0.50	10	8	250	120
-0.50	0.25	10	130	1400	100
-0.50	0.00	25	8	400	97
-0.50	-0.50	20	6	240	130
-0.50	-0.75	30	16	380	150
-0.50	-1.00	100	32	530	200
-0.50	-1.25	20	40	710	170
-0.50	-1.50	25	22	460	160
-0.50	-1.75	190	30	810	220
-0.50	-2.00	35	14	490	170
-0.50	-2.25	25	20	440	170

SHESLAY PROJECT: SOIL SAMPLE ANALYSES

EAST	NORTH	GOLD	LEAD	ZINC	COPPER
1.50	-1.75	40	6	92	300
1.50	-2.00	210	30	600	130
1.50	-2.25	50	8	1300	1000
1.50	-2.50	20	6	150	280
1.50	-2.75	25	6	160	240
1.50	-3.00	110	18	130	130
1.50	-3.25	25	12	190	130
1.50	-3.50	10	10	170	64
1.50	-3.75	10	12	140	89
1.50	-4.00	5	10	380	66
1.50	-4.25	60	8	270	47
1.50	-4.50	5	4	270	55
1.50	-4.75	5	6	210	120
1.00	0.50	15	18	460	200
1.00	0.25	5	20	1300	320
1.00	0.00	5	8	460	130
1.00	-0.25	30	10	220	140
1.00	-0.50	5	14	570	48
1.00	-0.75	220	36	290	140
1.00	-1.00	30	22	450	110
1.00	-1.25	40	20	270	140
1.00	-1.50	20	40	650	96
1.00	-1.75	10	18	510	75 150
1.00	-2.00	40	30	600	150
1.00	-2.25	260	20	780	340
1.00	-2.50	50	14	210	290
1.00	-2.75	30	18	140	400
1.00 1.00	-3.00 -3.35	40 70	14	260 470	920
	-3.25	10	20	470	140 100
1.00 1.00	-3.50 -3.75	5	6 10	170 280	72
1.00	-4.00	5 5	2	240	130
1.00	-4.25	10	14	310	99
1.00	-4.50	10	4	1900	270
1.00	-4.75	5	18	180	130
1.00	-5.00	20	22	200	630
0.50	0.25	85	6	360	140
0.50	0.00	50	8	130	160
0.50	-0.25	10	6	110	120
0.50	-0.50	15	8	230	83
0.50	-0.75	40	16	180	170
0.50	-1.00	30	28	500	190
0.50	-1.25	360	190	260	480
0.50	-1.50	30	46	180	390
0.50	-1.75	50	24	1100	180
			10	720	190
0.50	-2.1111	20	4 1 4		
0.50 0.50	-2.00 -2.25	20 40	8	1400	96

SHESLAY PROJECT: SOIL SAMPLE ANALYSES

EAST	NORTH	GOLD	LEAD	ZINC	COPPER
2.50	-1.00	5	4	170	80
2.50	-1.25	10	4	130	81
2.50	-1.50	5	2	140	110
2.50	-1.75	15	2	98	230
2.50	-2.00	15	4	89	110
2.50	-2.25	35	2	90	280
2.50	-2.50	5	4	110	82
2.50	-2.75	5	10	320	42
2.50	-3.00	5	8	150	77
2.50 2.50	-3.25 -3.50	5	6	200	92
2.50	-3.50 -3.75	5 5	6	110	160
2.50	-4.00	5 5	10 26	100 350	240 210
2.50	-4.25	5 5	12	200	100
2.50	-4.50	5	12 14	210	55
2.50	-4.75	15	82	180	96
2.50	-5.00	5	12	150	60
		~	12	130	00
2.00	0.25	10	8	580	95
2.00	0.00	55	4	290	140
2.00	-0.25	5	2	1500	46
2.00	-0.50	15	2	630	110
2.00	-0.75	20	4	270	98
2.00	-1.00	35	2	180	250
2.00 2.00	-1.25 -1.50	5 25	6 2	140	240
2.00	-1.75	20	2	120 130	220 540
2.00	-2.00	40	4	180	470
2.00	-2.25	35	2	190	230
2.00	-2.50	5	8	150	190
2.00	-2.75	5	8	100	98
2.00	-3.00	5	2	190	71
2.00	-3.25	5	4	120	150
2.00	-3.50	5	16	130	140
2.00	-3.75	15	8	290	81
2.00	-4.00	5	8	180	80
2.00	-4.25	5	10	240	51
2.00	-4.50	5	4	150	48
2.00	-4.75	5	8	280	49
2.00	-5.00	5	8	280	89
1.50	0.50	40	30	3400	610
1.50	0.25	5	16	2600	83
1.50	0.00	30	8	360	120
1.50	-0.25	35	6	77	230
1.50	-0.50	20	34	260	70
1.50	-0.75	25	8	260	120
1.50	-1.00	50	48	170	340
1.50	-1.25	20	12	180	85
1.50	-1.50	10	12	280	140

SHESLAY PROJECT: SOIL SAMPLE ANALYSES

EAST	NORTH	GOLD	LEAD	ZINC	COPPER
			ه کنان بوس بیند بیون نجب خیب سبک سنب کلب		
E	ELEMENT	GOLD	LEAD	ZINC	COPPER
U	INIT	ppb	ppm	mqq	ppm
£	POPULATION	233	233	233	233
P.	AX VALUE	360	250	5000	5000
M	IIN VALUE	5	2	72	42
M	IEAN VALUE	30	18	519	265
S	STD DEV	48	28	622	451
M	IEAN+2SD	126	74	1763	1167
8	< DETECT	31	-	_	_
8	s < MEAN	68	76	77	77
8	> M+2SD	5	3	3	3
c	CORRELATIONS	5 (%)			
		GOLD	LEAD	ZINC	COPPER
G	OLD	100	24	3	12
I	ÆAD		100	13	5
2	INC			100	16
C	OPPER				100

## 11.0 APPENDICES

11.3 STATEMENT OF EXPENDITURES

	<b>PEO-</b> 2369	PE0-2437	PEQ-2474	PEQ-2619	PEQ-2637	PEQ-2667	PEQ-2684	PE0-2745	PEQ-2793	PEQ-2794	PEQ-2828 PEQ-2939	PEQ-2960 I	PE0-3129	Total
Hi-Tec Resource Mgmi Prime - Camp Rental Coast Mtn Geol Greg Mosher	20, 977. 00	13,548.3	6 4,238.49		20,000.00	950.00	3,800.00			77, 188. 36	13, 203. 96			90, 392, 32 33, 548, 36 20, 977, 00 8, 988, 49
Trans North Air Rental of Day Camp Blackwell Mineral En Urquhart Dvorak Ltd	«pl			3, 354. 84	٠		2,400.00	1,510.07	ı				6, 132.00	6, 132, 00 3, 354, 84 2, 400, 00 1, 510, 07
Amex Travel Orequest Consultants Central Mtn Air	5							·	638.00	)	350.00	190.00		638.00 350.00 190.00
	20, 977. 00	13,548.3	6 4, 238. 49	3, 354. 84	20,000.00	950.00	6,200.00	1,510.07	638.00	77, 188. 36	350.00 13,203.96	190.00	6, 132. 00	168, 481.08
Prime Mgmt Fees	3, 146. 55	i	0.00	0.00	•	142.50	930.00	226.51	95.70	11,578.25	0.00 1,980.59	28,50	919.80	19,048.40
	24, 123. 55	13, 548. 3	6 4,238.49	3, 354. 84	20,000.00	1,092.50	7,130.00	1,736.58	733.70	88, 766, 61	350.00 15,184.55	218.50	7,051.80	187, 529. 48
GST	1,688.65	948.3	9 294.00	0.00	1,400.00	76.48	499.10	121.56	51.36	810.48	28.18 1,062.92	15.30	493.63	7,490.05
	25, 812.20	14, 496. 7	5 4,532.49	3, 354. 84	21,400.00	1, 168. 98	7,629.10	1,858.14	785.06	89,577.09	378.18 16,247.47	233.80	7,545.43	195,019.53

Property of the Commission