

KAMLOOPS



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)			TOTAL COST
Physical;	Geophysical;	Geochemical	\$8,627.00

AUTHOR(S) L. D. Lutjen R. D. Lodmell SIGNATURE(S) R. Lodmell

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED March 7, 1986 YEAR OF WORK 1985

PROPERTY NAME(S) Golden Loon

COMMODITIES PRESENT

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Kamloops NTS 92P/8W

LATITUDE 51°25.9' LONGITUDE 120°18.6'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)):

- Golden Loon I (20 units) Golden Loon II (20 units)
- Golden Loon III (20 units) Golden Loon IV (20 units)
- Golden Loon V (20 units) Golden Loon VI (20 units)

OWNER(S) (1) Larry D. Lutjen (2)

MAILING ADDRESS R.R. #1, Site 11, Box 12 Chase, B.C., V0E 1M0

OPERATOR(S) (that is, Company paying for the work) (1) Larry D. Lutjen (2)

MAILING ADDRESS R.R. #1, Site 11, Box 12 Chase, B.C., V0E 1M0

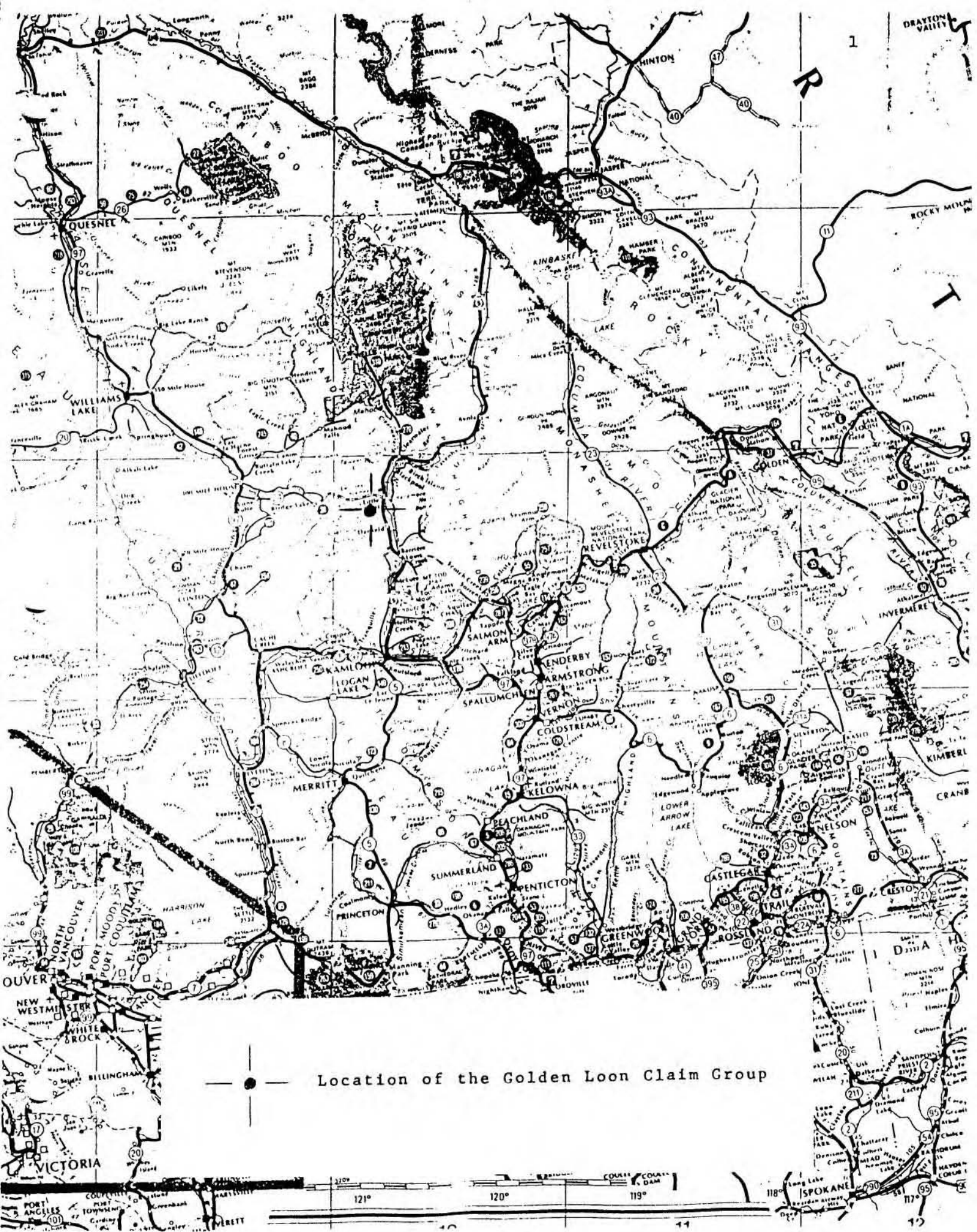
FILMED

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude): *The claims are underlain by Upper Triassic to Lower Jurassic Thuya Batholith granodiorite in contact with upper Triassic Nicola Group shale, phyllite and limestone. An ultrabasic intrusion occurs along this contact.*

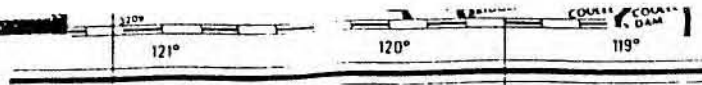
14,920

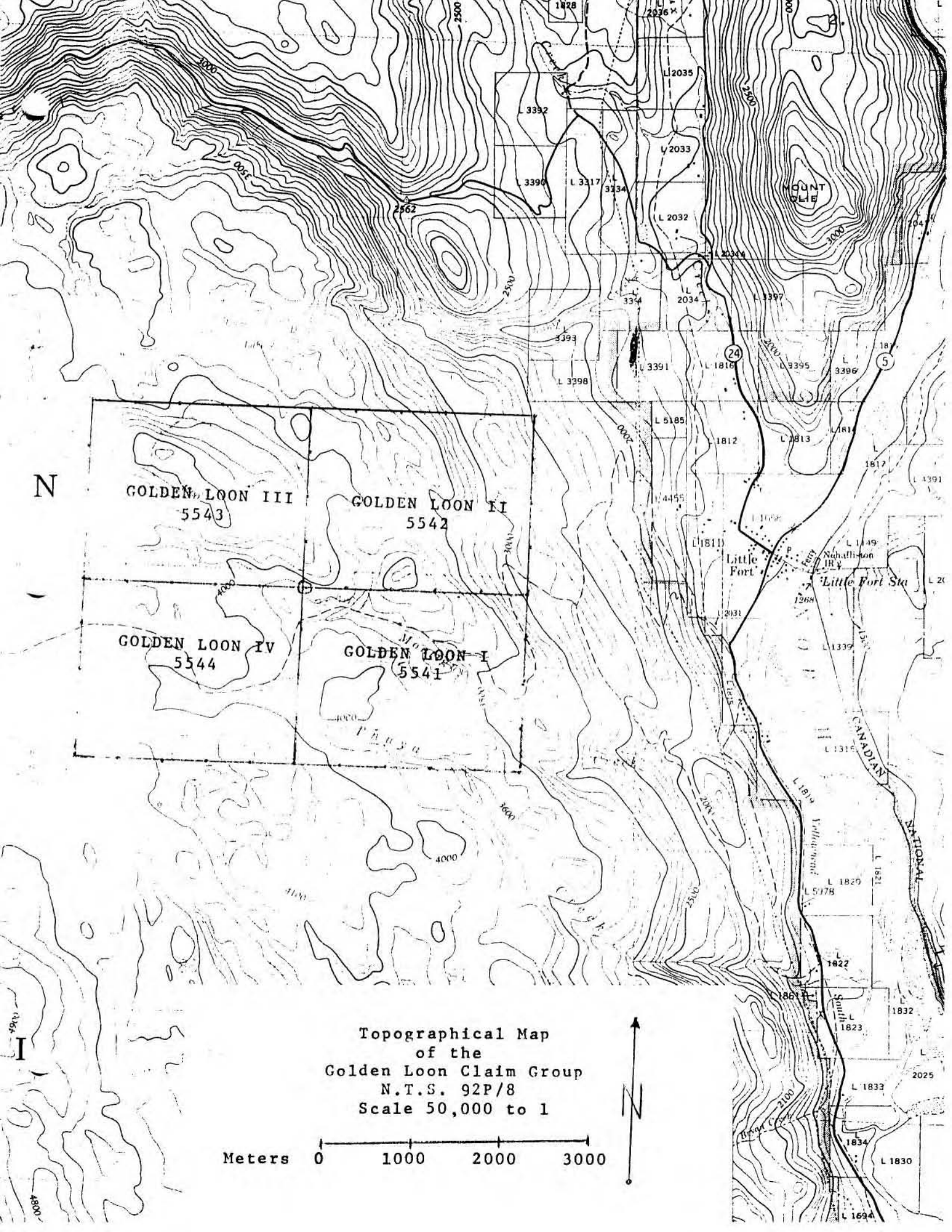
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- R.D. Lodmell	12.
- Certificate	13.
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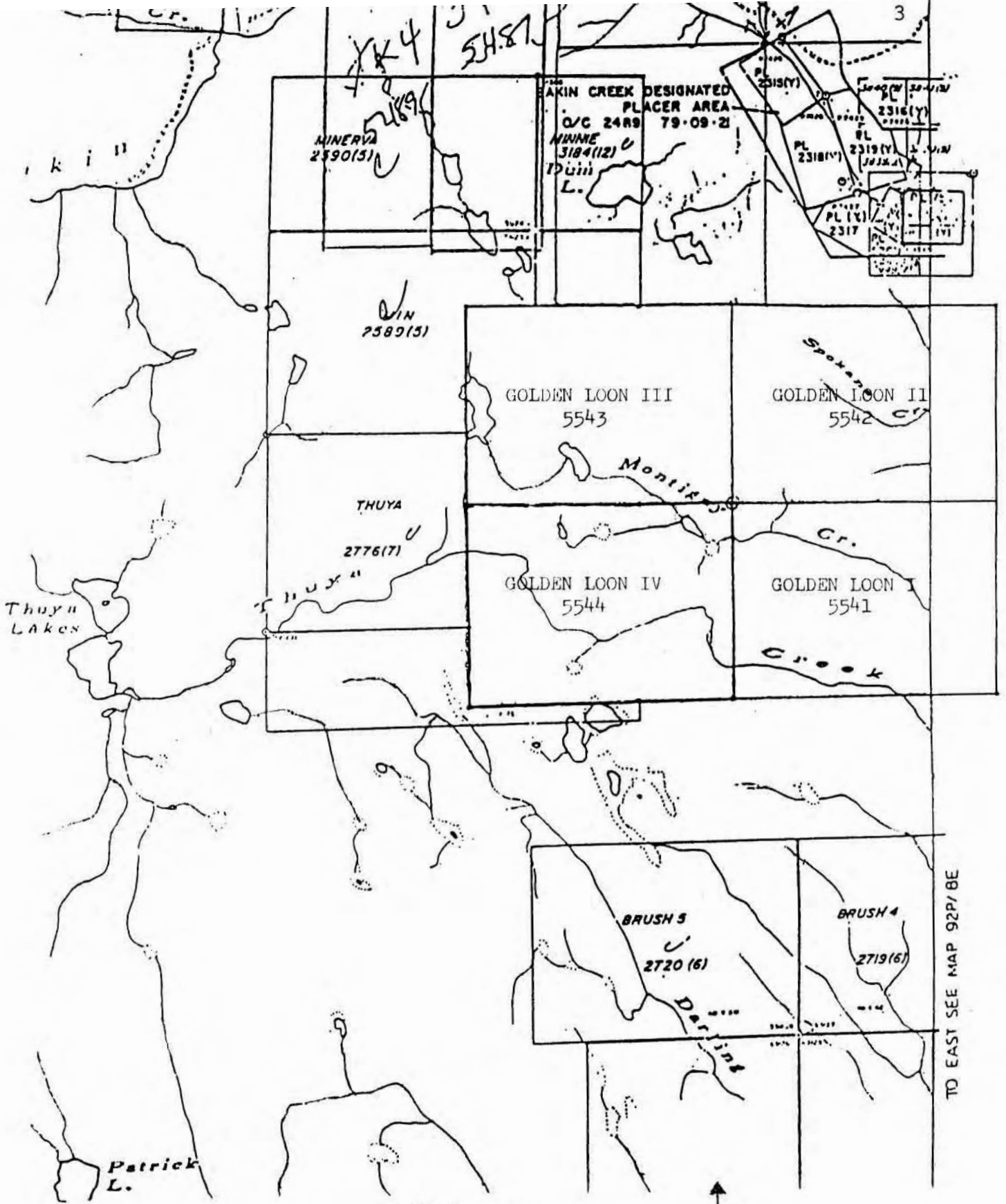
— ● — Location of the Golden Loon Claim Group





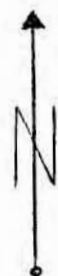
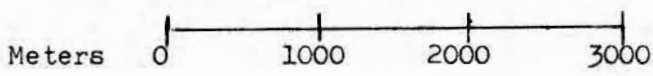
Topographical Map  
of the  
Golden Loon Claim Group  
N.T.S. 92P/8  
Scale 50,000 to 1

Meters 0 1000 2000 3000



TO EAST SEE MAP 92P/BE

Claims Map  
 of the  
 Golden Loon Claim Group  
 N.T.S. 92P/8  
 Scale 50,000 to 1



PROPERTY AND OWNERSHIP

The Golden Loon Claim Group consists of 80 units, Golden Loon I, Golden Loon II, Golden Loon III and the Golden Loon IV. They were recorded on metal tags #83047, #83048, #83049 and #83050. These claims were recorded in the Kamloops Mining Division, record numbers #5541, #5542, #5543 and #5544. They were all recorded on the 9th day of March 1984. The owner of the Golden Loon's I to IV is Larry D. Lutjen of R.R. #1, Site 11, Box 12, Chase, B.C., V0E 1M0 phone (604) 679-8022.

LOCATION AND ACCESS

These properties are approximately 8 Km West of Little Fort, a town on highway 5, about 90 Km North of Kamloops. They can be reached via the Thuya Lakes Resort road, an all weather, well maintained gravel road. The properties are 2 Km East of the Thuya Lakes Resort on Thuya Lakes. They are located at 51°25' Latitude and 120°17' Longitude.

GEOLOGY AND VEGETATION

To the South of the property Upper Triassic or Lower Jurassic Thuya Batholith of granodiorite has intruded the area and to the North the metasediments of the Triassic Nicola Group of augite, shale, phyllite and limestone (Cambell and Tupper 1966). In between these two structures lies an ultrabasic formation of unknown origin striking NNW, and contains peridotite, serpentite and pelandite. The contact between the granodiorites and metasediments is unknown but the structural strike of the area trending NNW and the intrusion of the ultrabasics NNW suggests deep rooted faulting in the area.

The elevation is about 1200M with moderately sloping topography. The undergrowth is moderate to heavy and the timber consists of fir, pine, cedar, spruce, birch and alder.

HISTORY

In the mid-sixties Noranda Exploration Company Ltd. came into the area from the North. They staked 120 claims around the Dum Lake area, to the North of the Golden Loons. Only the southern few claims are considered within the Golden Loons. It was on these last few claims that Noranda found anomalous high values of nickel but couldn't find the source. Then in the mid-seventies Teck Exploration Ltd. came into the area from the West. They staked 51 units (Minerva Group) on the basis of the high silver lake sediment samples they had previously taken. Their properties considered with the Golden Loons was on the most western perimeter. They did 60 Km of Geochemical sampling on flagged grids and the results showed several high anomalous zones of silver and there was a recommendation for follow-up assays for gold, because of the ultramafic structure they had identified just starting to appear in the NE quadrant of their claims group.

WORK PERFORMED

(July 7 - 13, 1985 Field Notes)

July 7, 1985:

Arrived at base camp #2 (see plate 1) via the Thuya Lake road. Traversed up the Montigny Lake road and established station (N0), this is the first station on the Montigny Lake grid (East). From here we flagged stations at 100 meter intervals and corrected for slope (N0 - N10). At station N10  $\Delta$  E0 we established a magnetometer base that would be used for the geophysical survey (see plate 1).

July 8, 1985:

Returned to Montigny Lake grid (East) and traversed up location line (0N - 10N) to Mag. base 10N  $\Delta$  0E. At this point we established our base line N10 E0 thru N10 E10 at 100 meter intervals and made the necessary slope corrections. Upon completion of the base line we turned 90° with an optical prism (Pento model 42) and flagged grid line E10 at 25 meter intervals, no slope corrections.

July 9, 1985:

Returned to location line (N0 - N10) and traversed to base line (N10  $\Delta$  E0): from there we established grids E1, E2 and E3 by turning optically 90° off of the base line and flagging stations every 25 meters. No slope corrections were necessary.

July 10, 1985:

Returned to location line (N0 - N10) and traversed to baseline N10  $\Delta$  E0: from there we traversed down the base line and established grids E4, E5 and E6 with stations at 25 meter intervals.

July 11, 1985:

Returned to location line (N0 - N10) and traversed to base line (N10  $\Delta$  E0) from there we traversed down the base line and established grids E7, E8 and E9 with stations at 25 meter intervals.

July 12, 1985:

Traversed around Montigny Lake on the East side and established station N0  $\Delta$  E0. This station will also serve as magnetometer base for the Montigny Lake grid (West). The base line (N0 - N5) is on an azimuth of 326° to take advantage of a Ag anomaly from a previous geo-chem survey. The base line N0-N5 was set at 100 meter intervals with slope corrections made. In addition to the base line we turned 90° at N3, N4 and N5 and established flagged grids at 25 meter intervals. No slope corrections necessary.

WORK PERFORMED

(July 7 - 13 Field Notes)

July 13, 1985:

Returned to base line N0  $\Delta$  E0 and established grid lines N0, N1 and N2 at 90° to the base line and flagged at 25 meter intervals with no slope corrections. Traversed out along West side of Montigny Lake and took samples at the North end of the lake ( $\oplus$  M1-M2). We also traversed the spur road between the two ultramafic intrusions and took samples Z1, Z2, Z3 and Z4. (see plate 1)



WORK PERFORMED

(August 18 - 23 Field Notes)

August 18, 1985:

Traversed up grid line E0 on the Montigny Lake grid (East) and established a magnetometer base station at 10N Δ E0. From the Magnetometer Base, lines E0, E1 & E2 were surveyed and closed back to the Mag. Base to compensate for diurnal shifts. Simultaneous with the Mag. survey was geo-chem sampling conducted by R.D. Lodmell and J.A. Lutjen. L.D. Lutjen the Mag. operator for the entire survey. (see plate 1, 2, 3 and appendix 1)

August 19, 1985

Returned to the Mag. Base station 10N Δ E0 and from there surveyed lines E3, E4 and E5 returning to the Mag. Base to close the loop. Geo-chem sampling was also done on selected quartz/carbonate veins. (see plate 1, 2, 3, 4 and appendix 1)

August 20, 1985

Returned to Mag. base 10N Δ E0 and from there surveyed lines E6, E7 and E8 returning to the Mag. Base to close the loop. Geo-chem sampling was also done on these lines. (see plate 1, 2, 4, 5 and appendix 1)

August 21, 1985

Returned to Mag. Base 10N Δ E0 and from there surveyed lines E9 and E10 returning to the Mag. Base to correct for diurnal shifts. Geo-chem sampling was also done on these lines. (see plate 1, 2, 5 and appendix 1)

August 22, 1985

Traversed around Montigny Lake to the West grid and established a Magnetometer Base at N0 Δ E0. From there we surveyed lines N0, N1 and N2 and returned to the Mag. Base to close the loop and compensate for diurnal shifts. Geo-chem sampling on quartz/carbonate veins was also done. (see plate 1, 6, 7 and appendix 1)

August 23, 1985

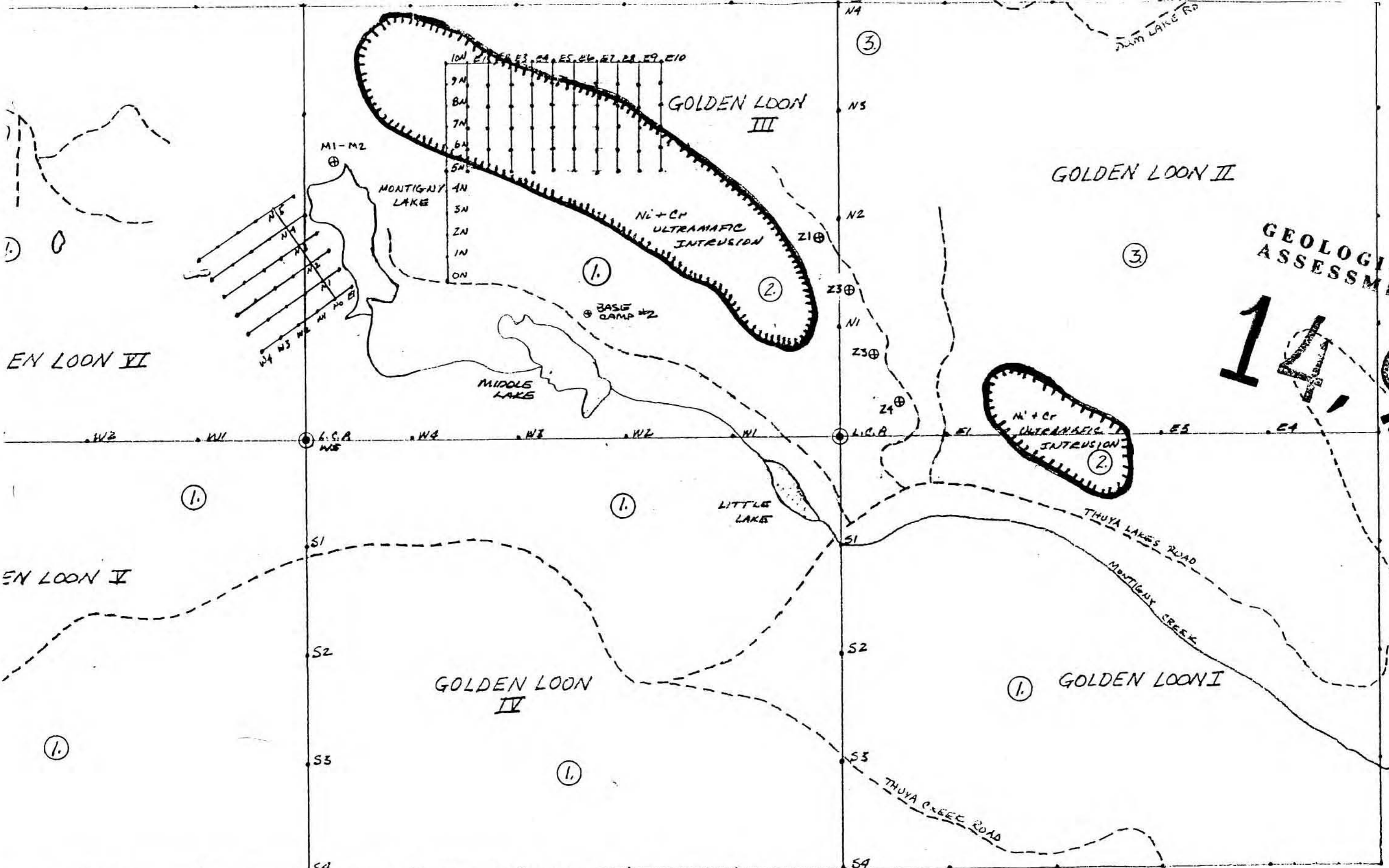
Returned to Mag. Base ON Montigny Lake Grid (West) N0 Δ E0 and from there completed the survey on lines N3, N4 and N5 returning to the Mag. Base to close the loop. Geo-chem sampling was also done. (see plate 1, 6, 7 and appendix 1)

## NOTE:

All values were in total vertical gamma's, corrected for diurnal variations using a closed loop Mag Base system. Corrections were also made for time/station variations. Readings were taken with a Scintrex MF-2 Magnetometer serial No. 002110.

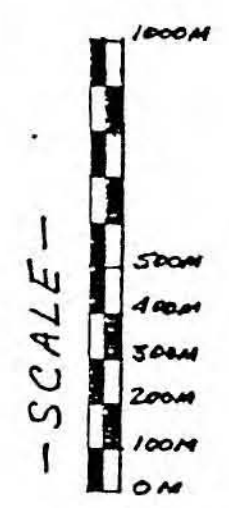
CONCLUSIONS:

1. With the high Au values on the Montigny Lake grid (West) 1N + 25E (3500 P.P.B.) a follow-up survey of soil sampling and VLF - EM should determine the economic importance.
2. With the high Au values on the Zed survey (calc/silicate hornfel alteration zone) (2850 P.P.B.), another grid should be established and detailed soil-sampling conducted.
3. The high Ni/Cu values on 16.6 + 5.5 should be followed up for Pl and Pt.
4. Additional Ag anomalies on the Golden Loons should be followed up for Au.



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

14,920



-SYMBOLS-

- L.C.P. LEGAL CORNER POST
- ROADS
- ~ CREEKS
- GRIB LINES & STATIONS

-LEGEND-

1. THUYA BATHOLITHS, HORNBLENDE-BIOTITE QUARTZ DIOXIDE, MONZONITE, GABBRO.
2. ULTRAMAFICS, SERPENTINITE AND SERPENTINIZED PERIDOTITE
3. NICOLA GROUP, ANDITE ANDESITE FLOWS AND BRECCIA, TUFF, GRAY LIMESTONES.

PLATE NO. 1 GOLDEN LOONS I-VI  
FOR: BARNES CREEK MINERALS CORP.  
DATE: NOVEMBER 12, 1985  
SCALE: 3CM = 500 METERS

N10 Δ E0  
MAG. BASE

# MONTAGNEY LAKE GRID (EAST) MAGNETOMETER SURVEY

← BASE LINE →

	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10
N10 Δ 3150	3450	4450	5500	6600	8500	4600	5500	5800	5800	2150
4000	3350	46000	48000	67000	89000	46000	46000	61000	49000	22000
4250	3600	39000	41050	69050	79050	53050	42050	7250	42050	21000
4800	3100	34000	44000	73050	78000	61000	40000	81000	38000	23000
N9 Δ 5200	3200	3100	3850	7250	7850	7150	3850	8500	3200	2400
5000	3100	3450	3600	7600	66050	62050	3600	8250	3100	2450
4650	4100	38000	33050	51050	61000	5700	34050	7100	48050	26000
4400	4200	40000	32000	43000	52050	54000	31000	58000	59000	29500
N8 Δ 4150	4600	4350	3400	4100	4650	5650	3200	4650	7550	3250
4200	4400	41050	36050	40000	45000	54050	32050	42050	69050	31000
4350	4650	51050	35000	37050	41050	51000	32000	44000	62000	24000
4400	3600	62000	40000	34000	39000	43050	33000	46000	61050	48050
N7 Δ 4750	3250	6850	4100	3250	3700	4100	3300	4800	6200	5100
4550	3100	77000	42000	32000	37050	42000	36000	47000	52000	49000
4300	41050	63050	45050	36000	35000	43000	41050	46050	48050	49050
4250	4200	741000	42050	32050	36000	44000	44000	43000	44000	42000
N6 Δ 4100	4350	3250	4300	3100	3650	4400	4850	4000	4300	4150
41050	41050	34000	38000	32100	35000	46050	47050	39000	41050	41000
4300	3600	38000	32000	37000	34000	47000	49000	38050	40000	39000
3850	32050	31050	34000	36050	32050	48000	50000	40000	36050	39050
N5 Δ 3650	3300	3600	3550	3800	3150	5100	5150	4250	3450	3800

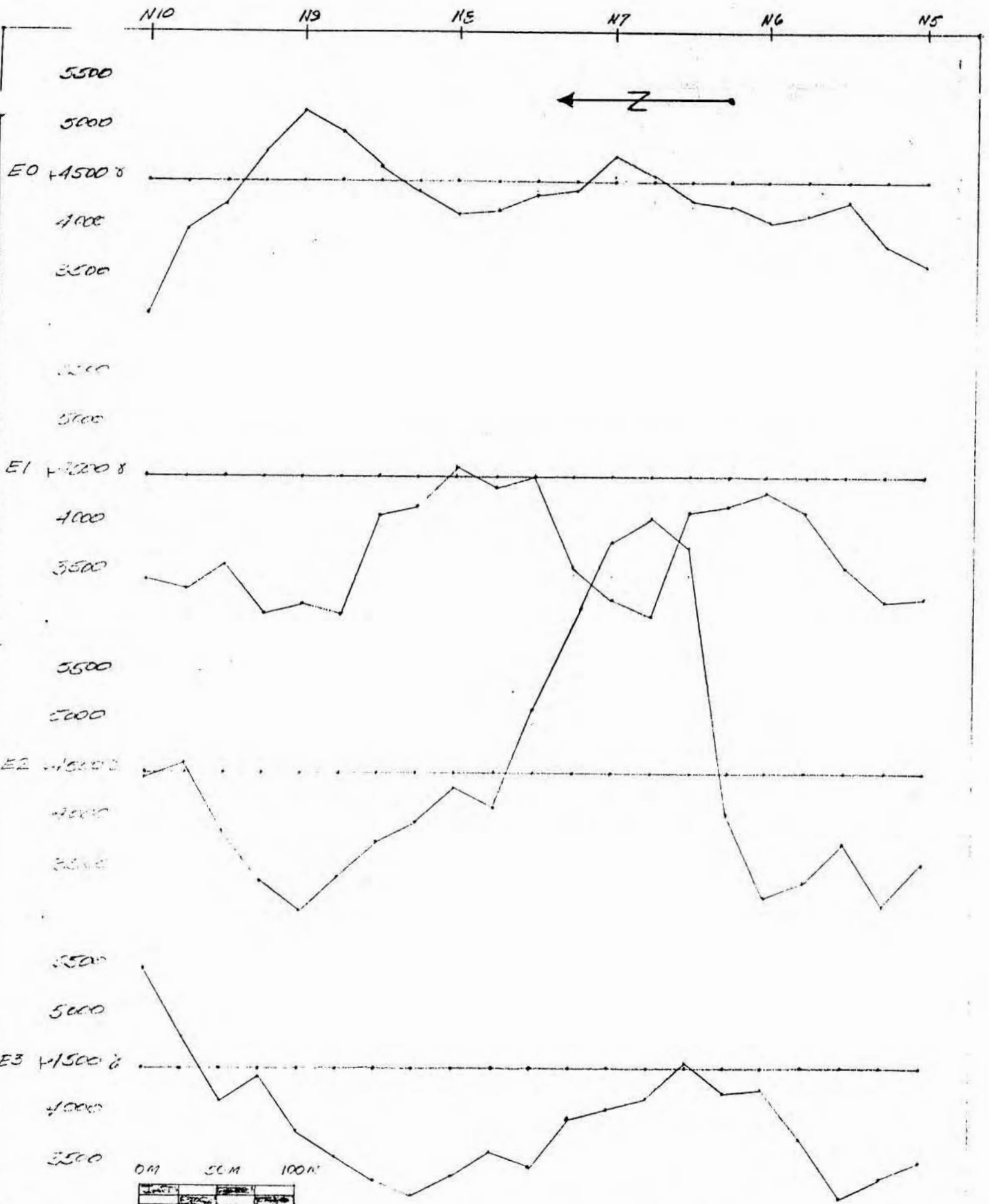
3200  
N4  
5200  
N3  
3800  
N2  
3150  
N1  
2800  
N0

NOTE:

ALL VALUES REPRESENT TOTAL VERTICAL COMPONENT IN GAMMA'S CORRECTED FOR DIURNAL VARIATIONS USING A CLOSED-LOOP MAG. BASE SYSTEM. CORRECTIONS WERE ALSO MADE FOR TIME/STATION VARIATIONS.



MAGNETIC READINGS (VERTICAL COMPONENT) WERE TAKEN USING A SCINTREX MF-2 MAGNETOMETER SERIAL NO. 002110

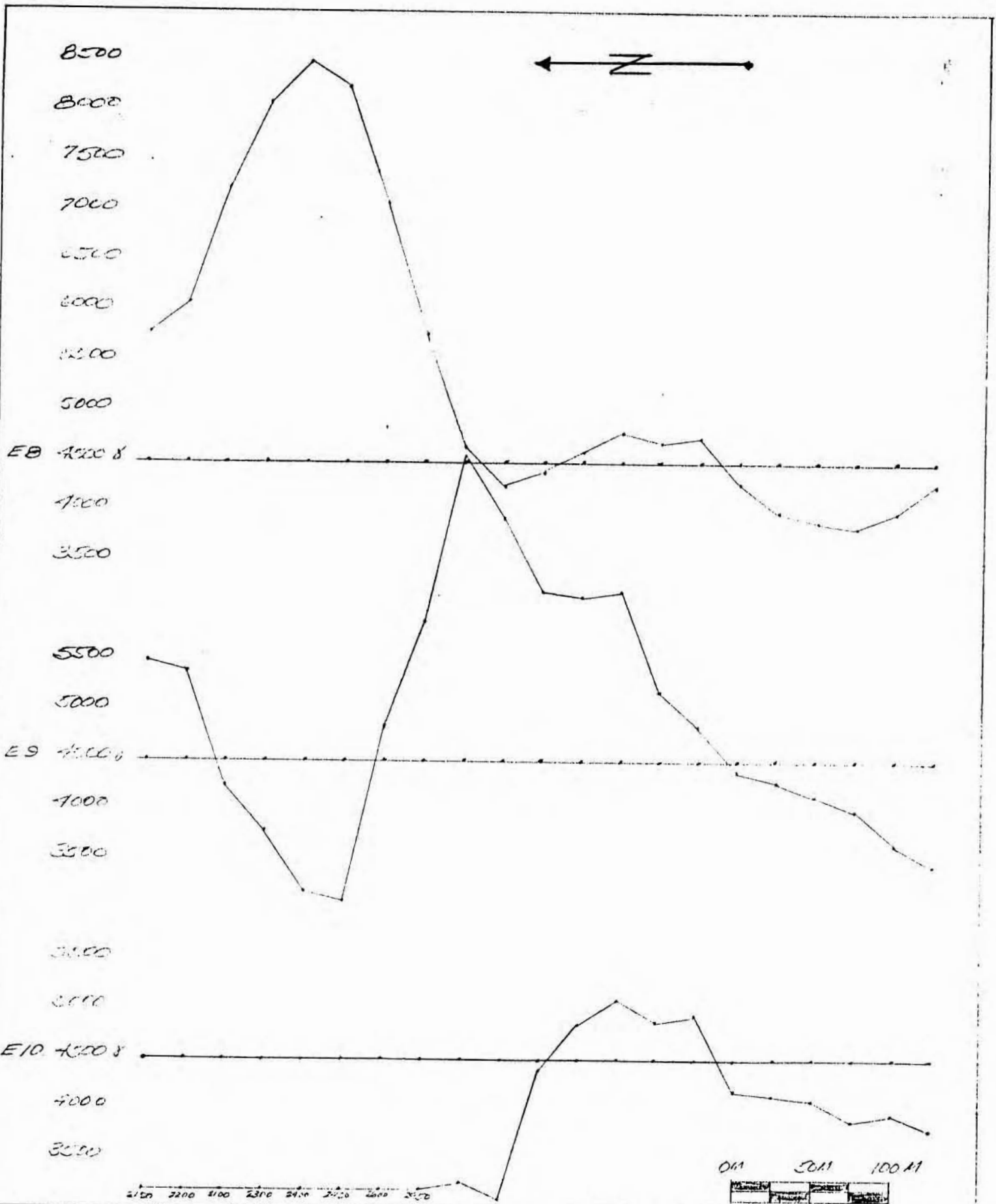


GOLDEN LIONS I - II  
 MAGNETOMETER SURVEY  
 NORTH-SOUTH LINE (EAST)  
 INT. S. 22 P. 18 PLATE 3

ERRORS ORDER IN METERS ONLY  
 LARRY D. LUTJEN  
 NOV 21 1964 12:00 PM  
 SCALE 9 CM = 12 METERS  
 1 CM = 500 METERS

ALL VALUES ARE IN LEFT COL  
 UNLESS AS(S) AND ARE CORRECTED  
 FOR DIURNAL SWINGS USING  
 A CORRECTED LOCAL TIME BASE.

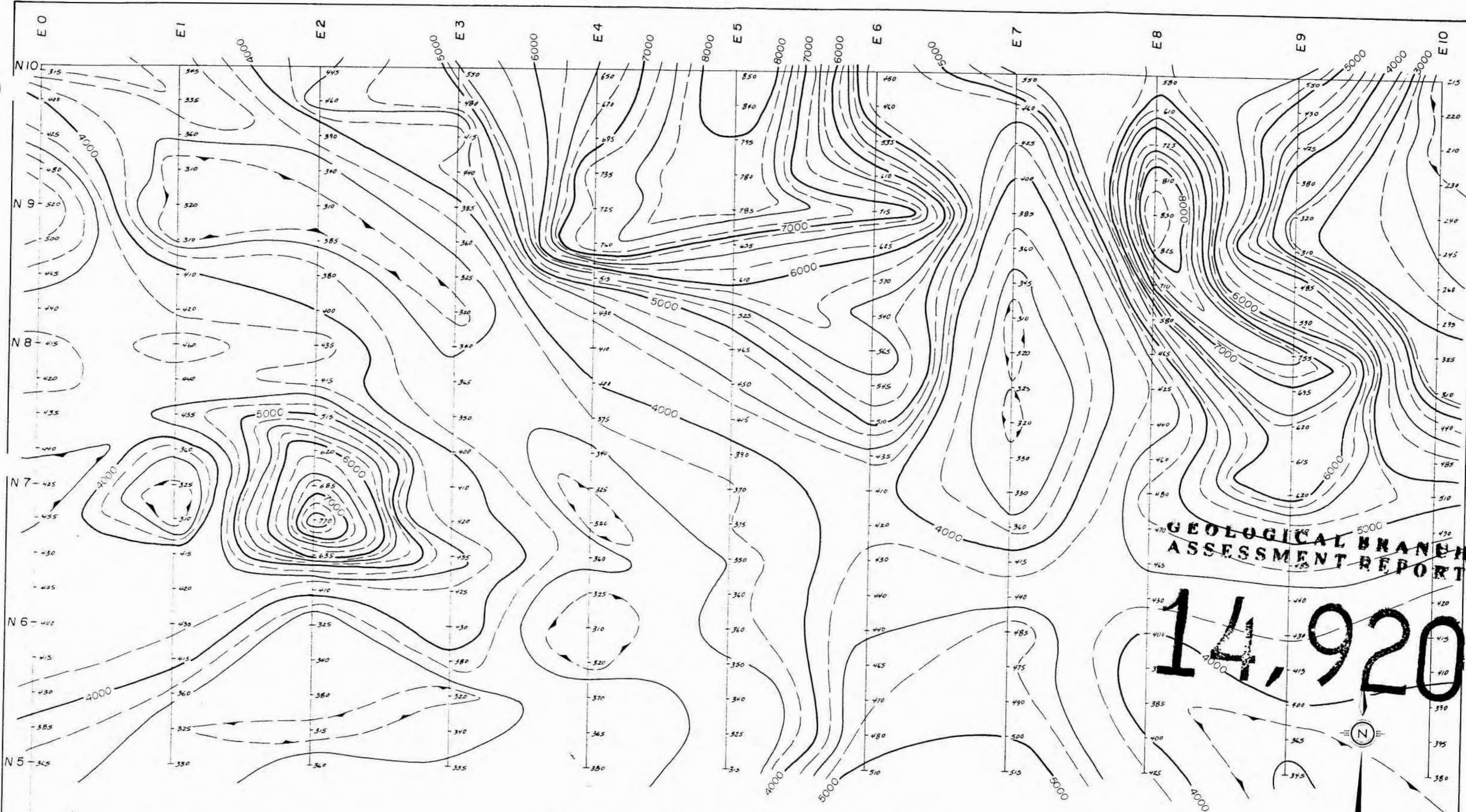




GOLDEN FIELDS I - IV  
 MAGNETIC DECLINATION SURVEY  
 MOUNTAIN LAKE (EAST)  
 N.T.S. 22115 PLATE 5

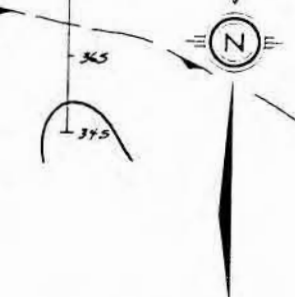
BRANCK CREEK DIAPYCNES CAMP,  
 STONEY & LUNN  
 NOV. 1951  
 SCALE 1:5000  
 1 CM = 500 METERS

THE VALUES ARE IN VERTICAL  
 GAMMAS (RADIATION CHANGES)  
 FOR SURFACE SURVEY USING  
 A CROSSL-LOOP M.P. CASE.



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14,920**

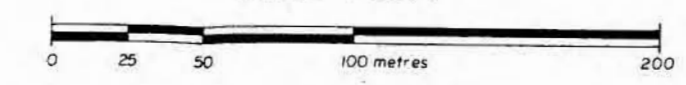


GRID LINE WITH MAGNETOMETER READING-FINAL  
DIGIT (0) OMITTED.  
NOTE MAGNETIC READINGS EXPRESSED IN GAMMAS (γ)  
REPRESENT THE VERTICAL COMPONENT OF THE  
EARTH'S MAGNETIC FIELD-USING A SCINTREX MF-2 MAG

**BARNES CREEK MINERALS CORP.  
MAGNETIC PLAN  
GOLDEN LOON CLAIM GROUP**

Plate 6

SCALE 1:2,500



--- MAGNETIC CONTOURS FOR 1,000, 500 & 250 γ INTERVALS  
--- MAGNETIC LOW



MAGNETIC WIRE GRID (INVEST)  
MAGNETOMETER SURVEY



N5	24.50	24.00	23.50	23.00	23.50	23.00	23.50	24.00	24.00	24.50	25.00	25.50	25.00	25.50	25.00	25.50	25.00	25.50
N4	23.00	23.00	23.50	24.00	24.50	24.00	24.00	23.50	23.50	23.00	24.00	24.00	24.50	24.50	25.00	25.50	25.00	25.50
N3	25.00	24.50	24.50	24.00	23.50	24.00	24.50	24.00	25.00	25.00	25.50	26.00	26.50	26.50	26.00	26.00	27.00	27.00
N2	25.00	24.50	24.00	24.50	24.50	24.00	24.50	25.00	26.00	25.50	25.00	24.50	24.50	24.00	24.00	23.00	25.00	26.00
N1	21.50	22.00	22.00	23.00	23.00	22.00	21.00	21.50	22.00	21.50	22.00	22.50	23.50	22.00	22.50	21.00	22.00	24.50
N0	23.00	22.00	22.00	21.50	22.00	22.00	22.50	23.00	23.50	23.00	22.00	22.50	23.00	22.50	23.00	23.50	24.00	25.00
	W4			W3			W2		W1				24.50	LINE 250				E1

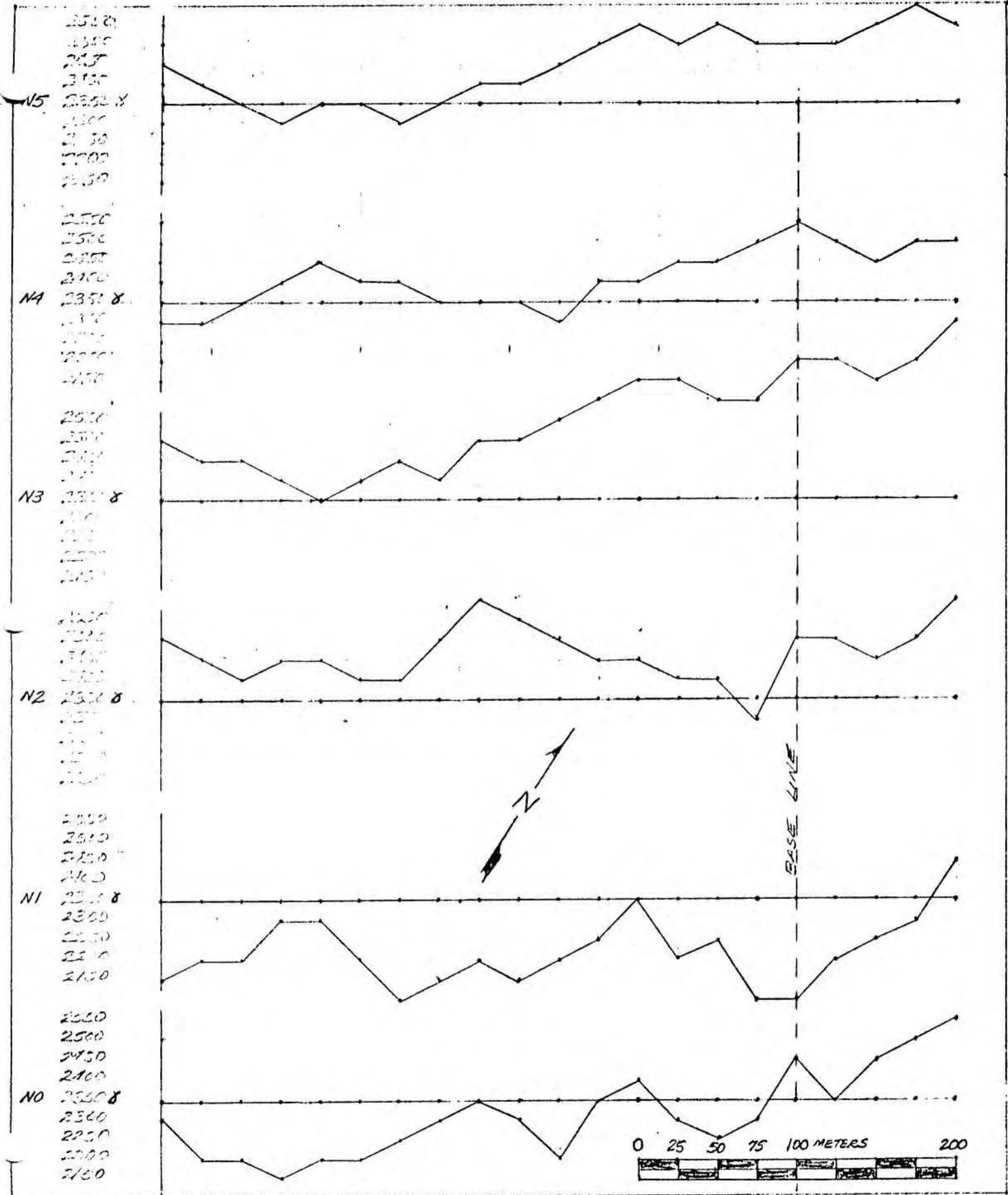
NOTE:

NO Δ ED  
MAG BASE

ALL VALUES REPRESENT TOTAL VERTICAL COMPONENT IN GHANA'S, CORRECTED FOR DIURNAL VARIATIONS USING A CLOSED-LOOP MAG. BASE SYSTEM. CORRECTIONS WERE ALSO MADE FOR TIME / STATION VARIATIONS.

PLATE 7

READINGS WERE TAKEN WITH A SCINTREX MF-2 MAGNETOMETER SERIAL NO 002110



GOLDEN LOONS I-II  
 MAGNETOMETER SURVEY  
 MONTIGNY LAKE GRID (WEST)  
 N.T.S. 92 P/B PLATE 8

BARNES CREEK MINERALS CORP.  
 LARRY D. LUTJEN  
 NOVEMBER 12, 1985  
 SCALE: 4CM = 125 METERS

ALL VALUES ARE IN VERTICAL  
 GAMMAS (γ) AND ARE CORRECTED  
 FOR DIURNAL SHIFTS USING  
 A CLOSED-LOOP MAG. BASE.

ASSAY CERTIFICATE

.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 MM.FE.CA.P.CR.MG.BA.TI.B.AL.MA.K.W.SI.ZR.CE.SM.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1-ROCKS P2-SOILS -80 MESH AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 6 1985 DATE REPORT MAILED: Nov. 13/85 ASSAYER: *T. Saundry* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

Golden Loons FILE # 85-3040

PAGE 1

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	M	Au*	Mo.	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	PPM	1	1	1	1	PPM	PPM	Q/T
4N+7SE	2	11	12	39	.2	4	5	379	1.89	2	5	ND	2	41	1	2	4	40	.73	.07	5	8	.51	79	.08	4	.56	.05	.28	1	11	-	
M3+2SE	2	12	13	46	.1	5	7	506	2.21	2	5	ND	4	84	1	2	8	40	.65	.10	7	7	.67	49	.11	5	.83	.04	.12	1	4	-	
1N+2SE LOON	1	85	495	16	23.2	10	5	199	1.11	3	5	3	1	24	1	2	2	10	.39	.03	3	3	.27	29	.01	2	.20	.02	.06	1	3500	.088	
N0+2SM LOON	1	9	8	16	.1	2	3	339	.93	2	5	ND	2	54	1	2	2	16	.62	.03	4	4	.20	32	.05	5	.29	.03	.10	1	4	-	
45+00M	9	8	7	23	.1	1892	69	658	3.51	2	5	ND	1	2	1	2	2	1	.04	.01	4	78	20.39	3	.01	9	.02	.01	.01	1	2	-	
14+1.0	8	14	3	19	.1	1550	69	880	3.82	2	5	ND	1	8	1	2	2	18	.05	.01	4	772	19.20	6	.01	16	.03	.01	.01	1	1	-	
110+1.7	4	17	10	15	.1	986	56	842	3.98	2	5	ND	1	8	1	2	10	24	.07	.01	2	195	8.53	36	.01	2	.05	.01	.01	1	1	-	
1ED-1	5	10	3	8	.1	1042	54	659	2.76	2	5	ND	1	4	1	2	2	6	.11	.01	2	167	11.79	6	.01	2	.02	.01	.01	1	1	-	
2ED-2	8	5	3	28	.1	1635	78	801	4.36	2	5	ND	1	2	1	2	2	1	.02	.01	4	66	20.29	12	.01	2	.02	.01	.01	1	1	-	
2ED-3	2	17	84	34	.5	24	9	1265	3.02	3	5	ND	4	162	1	2	8	50	3.01	.12	6	9	1.16	176	.04	2	.16	.05	.08	1	37	-	
2ED-4	2	5	1764	2	29.1	14	1	168	.39	4	5	3	1	4	1	2	19	1	.08	.01	2	3	.13	25	.01	3	.01	.01	.01	1	2850	.085	
N-1	4	301	5469	25	10.4	7	11	572	1.26	2	5	ND	2	183	1	2	24	19	3.16	.09	6	5	.40	261	.02	3	.33	.07	.17	1	100	-	
N-2	3	26	59	37	.5	11	7	375	2.07	2	5	ND	4	66	1	2	5	43	.86	.08	8	8	.62	123	.10	4	.61	.06	.35	1	38	-	
STD C/AU-0.5	20	58	37	136	7.0	65	28	1126	3.94	39	19	7	34	47	17	15	24	57	.48	.14	38	59	.88	172	.07	40	1.71	.06	.11	13	490	-	
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	M	Au*	Mo.	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	PPM	1	1	1	1	PPM	PPM	Q/T
4N+2SE	10	58	2	12	.2	10	5	426	.65	2	5	ND	1	121	1	2	2	8	2.47	.15	2	8	.08	127	.01	3	.36	.02	.01	1	1	-	
0N+2SM	2	42	15	41	.1	15	10	293	3.92	3	5	ND	3	45	1	3	5	83	.30	.05	5	35	.78	65	.20	4	1.46	.01	.07	1	24	-	
0N+5SM	13	75	15	26	.1	19	29	1084	15.17	11	5	ND	10	46	1	2	5	142	.46	.07	14	34	.27	144	.08	7	1.24	.01	.03	1	1	-	
2N+7SE	1	2	2	5	.1	5	1	25	.52	2	5	ND	1	54	1	2	2	2	1.08	.10	2	7	.07	57	.01	2	.08	.02	.03	1	1	-	
16.6+5.5	1	245	21	24	1.9	764	18	1361	1.73	3	5	ND	1	90	1	2	6	33	2.02	.07	11	115	1.34	209	.05	9	.94	.03	.06	1	4	-	
R+0M	3	23	21	55	.1	15	10	204	5.62	2	5	ND	4	35	1	2	2	107	.37	.07	6	30	.59	85	.18	2	1.58	.01	.04	1	18	-	
STD C/AU-0.5	21	59	41	132	7.2	68	29	1144	3.91	37	18	8	34	51	16	14	21	57	.48	.14	37	56	.88	172	.07	39	1.71	.06	.10	12	500	-	

ITEMIZED COST STATEMENT  
for Physical Work Done on the  
Golden Loon I - IV Claim Group  
July 7 to July 13, 1985

LABOUR

L.D. Lutjen 7 days @ \$150.00 per day	\$ 1,050.00
R.D. Lodmell 7 days @ \$150.00 per day	1,050.00
J.A. Lutjen 7 days @ \$150.00 per day	1,050.00

Expenses

Food and accomodation 21 man/days @ \$35.00 per day	735.00
Truck expense	<u>115.00</u>
Total cost of physical work	\$ <u>4,000.00</u>

ITEMIZED COST STATEMENT  
for Geochemical and Geophysical Work  
on the  
Golden Loon 1 - IV Claim Group  
August 18 to 23, 1985

LABOUR

L.D. Lutjen 6 days @ \$150.00 per day	\$ 900.00
R.D. Lodmell 6 days @ \$150.00 per day	900.00
J.A. Lutjen 6 days @ \$150.00 per day	900.00
Werner Gruenwald, Contour Plotting	70.00

EXPENSES

Food and Accomodation 18 man/days @ \$35.00 per day	630.00
Truck Expense	245.00
Assay Expense	242.00
Magnetometer Rental	120.00

REPORT PREPARATION

3 man/days @ \$150.00 per day	450.00
Grid Key and Profile Plates	80.00
Typing, stationery and reproduction	90.00
Total cost of Geochemical and Geophysical work	\$ 4,627.00
cost of Physical work	4,000.00
Total cost of work done for 1985	\$ 8,627.00

### AUTHORS QUALIFICATIONS

I Larry D. Lutjen of R.R.1, Box 12, Chase, B.C. VOE IMO phone 679-8022, having graduated from the College of San Mateo, U.S.A. in 1965 (Degree in Electronics) have the following prospecting and related experience:

- 1958-1962 Surface and underground mining on the Hard Quartz mineral claim, Adin Mt. California (drilling, blasting, timbering, highgrading)
- 1963-1969 Prospecting with John Harden on the Warner Range (California), Lovelock Plateau (Nevada), and Shaffer Mountain (California) for Au, Ag, Hg, W, Mo, Cu, Zn & Pb. Staked many claims.
- 1972-1976 Geophysical prospecting with Frank Hall in the Scotch Creek area (British Columbia). Optioned several claims, Silver King, Silver Queen etc., (used horizontal & vertical loops at 1600 c.p.s., Sharpe SE 600 and self potential surveys)
- 1977-1980 Geophysical & geochemical prospecting in the Shuswap Lake and Adams Plateau area. (McPhar 800 magnetometer). Geophysically prospected the Lost Cabin Mine on Adin Mt., California for Lorc-an Resources Ltd., resulting in a ten year option.
- 1981-1982 Geophysical & geochemical prospecting with J.A. Lutjen and R.D. Lodmell in the south central region of B.C. (McPhar 800 and S.P.). Staked 12 properties from Beaverdell to the Adams Plateau.
- 1982-1983 Received my geophysical certification from Malaspina College. Did a geophysical survey on Ground Hog Basin for Aurun Minerals Ltd. (Geonics 816-G Proton Mag. and EM-16 VLF-EM), including geochemical sampling, geophysical mapping and grid layout. Geochemical sampling and geological mapping for Tylox Resources Ltd. on the AU 1&2 claims in the Monashee Pass, B.C.
- 1983-1984 Geophysical survey on the Golden Eagle claims for MacKenzie Range Gold Inc., including mapping and interpretation. (Scintrex MF-2 Magnetometer, Sabre Model 27 VLF-EM, and S.P.). Geophysical and geochemical survey on the Golden Quartz 1-12 on Adin Mt. for MacKenzie Range Gold Inc. (Scintrex MF-2 and Sabre Model 27 VLF-EM).
- 1984-1985 Geophysical and geological surveys and assessment reports on the Golden Loons I to IV (80 units), Golden Goose (20 units), Golden Mallard (20 units) and the Golden Jack (20 units) for Barnes Creek Minerals Corp., including mapping, profiles, contours and interpretation (Scintrex MF-2 Magnetometer, Sabre Model 27 VLF-EM and S.P.). Assessment report on the Otto claims (geophysical) on the Adams Plateau for M. Riley. Assessment report on the Alina 1 for Alina Resources Ltd. (Scintrex MF-2 magnetometer).

Larry D. Lutjen  
Certified Geophysical Prospector

# MALASPINA COLLEGE

## Statement of Course Completion

LARRY D. LUTJEN

has

Successfully Completed 180 Hours of instruction  
in

MINERAL EXPLORATION FOR PROSPECTORS

PRESENTED BY B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES  
B.C. MINISTRY OF EDUCATION

APRIL 16 to 30, 1983 - MESACHTE LAKE, B.C.

MAY 2, 1983

Dated at Terrace,  
British Columbia, Canada



Malaspina  
College

*[Handwritten signature]*

AUTHORS QUALIFICATIONS

I Richard D. Lodmell of Box 1192, Kamloops, B.C. V2C 6H3 phone 376-2473 have the following prospecting and related experience:

- 1972 Trenching and diamond drillers helper on northern Vancouver Island for Giant Explorations
- 1973 Drilling, blasting and highgrading ore on the Lucky Coon claims on the Adams Plateau, B.C.
- 1974 Drilling and blasting in central and northern B.C. for R.F. Welch Ltd.
- 1975 Geochemical surveys for Craigmont Mines in the Shuswap Lake area of B.C.
- 1976-1978 Seismic work throughout Alberta for Century Geophysical Corp.
- 1979-1982 Prospected the Sooke area on Vancouver Island. Prospected the Pitt Lake area of B.C. and staked a mineral claim. Prospected the Kootnay area of B.C. and staked a mineral claim which was optioned to Albury Resources. I.P. line cutting in the Ymir area for Pearson-Gallagher, Shell Oil. Geophysical and geochemical prospecting with L.D. and J.A. Iutjen in the south central region of B.C. (McPhar 800 and S.P.) Staked 12 properties from Beaverdell to the Adams Plateau.
- 1982-1983 Received my geophysical certification from Malaspina College. Did a geophysical survey on Ground Hog Basin for Aurun Minerals Ltd. (Geonics 816-G Proton Mag. and EM-16 VLF-EM), including geochemical sampling, geophysical mapping and grid layout. Geochemical sampling and geological mapping for Tylox Resources Ltd. on the AU 1&2 claims in the Monashee Pass, B.C.
- 1983-1984 Geophysical survey on the Golden Eagle claims for MacKenzie Range Gold Inc., including mapping and interpretation. (Scintrex MF-2 Magnetometer, Sabre Model 27 VLF-EM, and S.P.). Geophysical and geochemical survey on the Golden Quartz 1-12 on Adin Mt. for MacKenzie Range Gold Inc. (Scintrex MF-2 and Sabre Model 27 VLF-EM).
- 1984-1985 Geophysical and geological surveys and assessment reports on the Golden Loons I to IV (80 units), Golden Goose (20 units), Golden Mallard (20 units) and the Golden Jack (20 units) for Barnes Creek Minerals Corp., including mapping, profiles, contours and interpretation (Scintrex MF-2 Magnetometer, Sabre Model 27 VLF-EM and S.P.). Assessment report on the Otto claims (geophysical) on the Adams Plateau for M. Riley. Assessment report on the Alina 1 for Alina Resources Ltd. (Scintrex MF-2 magnetometer).

Richard Lodmell  
Certified Geophysical Prospector



# MALASPINA COLLEGE

## Statement of Course Completion

RICHARD LDMELL

has

Successfully Completed 180 Hours of Instruction  
in

MINERAL EXPLORATION FOR PROSPECTORS

PRESENTED BY B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES  
B.C. MINISTRY OF EDUCATION

APRIL 16 to 30, 1983 - MESACHIE LAKE, B.C.

MAY 2, 1983

Dated at Nanaimo,  
British Columbia, Canada



*Richard L. Dmell*

Director/Dean

*[Signature]*

Registrar

*[Signature]*

Instructor

GEOPHYSICAL QUALIFICATIONS

This report has been prepared in conjunction with and collaboration from the undersigned. The geophysical readings were taken with a Scintrex MF-2 Fluxgate Magnetometer Serial #002110 sampling the total vertical magnetic field. All readings are absolute and the diurnal shifts were corrected using a closed loop/mag. base system with respect to time and date.



Werner Gruenwald, B. Sc.  
Geologist, Magnetic Contouring  
#206 - 310 Nicola Street  
Kamloops, B. C. V2C 2P5

Larry D. Lutjen  
Certified Geophysical Prospector  
R.R. #1, Site 11, Box 12  
Chase, B. C. VOE 1M0

Richard D. Lodmell  
Certified Geophysical Prospector  
M.P.O. Box 1192  
Kamloops, B. C. V2C 6H3

# GEOQUEST CONSULTING LTD.

#94-137 MCGILL ROAD, KAMLOOPS, B.C. V2C 1L9  
TELEPHONE : 372-2047

INVOICE No. 142

INVOICE TO: Barnes Creek Minerals Corp.  
M.P.O. Box 1192  
Kamloops, B. C.  
V2C 6H3

PROJECT No. D  
DATE May 15, 1986

FOR:

Drafting services re Golden Loon claims.

LABOUR:

W. Gruenwald, B. Sc.  
As per agreed amount

70.00

TOTAL HEREIN:

\$70.00