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GEOLOGICAL AND GEOCHEMICAL REPORT

on the

GOLD TILL I-IV CLAIMS

Slocan Mining Division - British Columbia

Lat. $50^{\circ} 00' N$

Long. $117^{\circ} 42' W$

for

CAMELBACK PETROLEUM CORPORATION

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

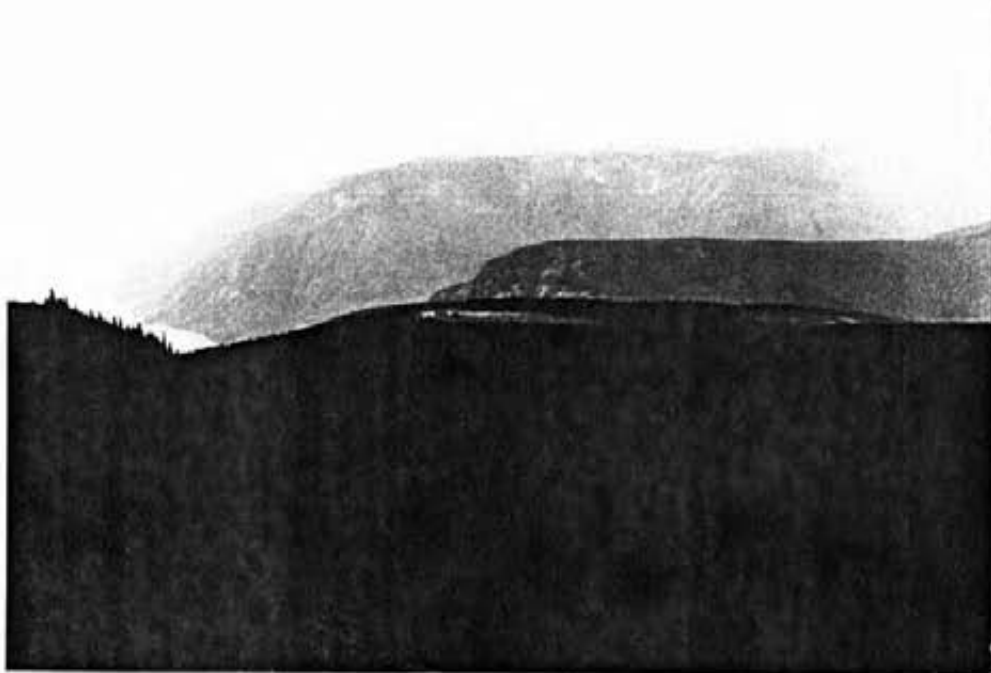
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by

Donald G. Allen, P. Eng. (B.C.)

October 31, 1983

North Vancouver, B.C.



Frontispiece: Photograph looking westerly from Heino-Money zone on Tillicum Mountain to logged area on ridge on Gold Till claims. Arrow Lake lies on the left.

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SUMMARY

The Gold Till claims are held by Carl Creek Resources Ltd. Camelback Petroleum Corporation has an agreement with Carl Creek whereby they may acquire a 50% interest by conducting an exploration program. During the period June 30 to July 31, 1983, Camelback Petroleum funded a program of geological mapping and geochemical sampling. Work was carried out by A & M Exploration Ltd. The property is situated in the Burton gold-silver camp 32 kilometres south of Nakusp, B.C. It is readily accessible by logging road from Burton on Highway 6.

Interest in the camp has recently been rekindled by a new high grade gold discovery by the Esperanza-LaTeko group on Tillicum Mountain three kilometres to the southeast. The group has recently completed 83 diamond drill holes and have announced reserves on the Heino-Money zone of 40,000 tons grading 0.6 oz/ton gold. The gold mineralization, as reported by Esperanza-LaTeko, displays characteristics of both stratabound and lode-type mineralization.

The Burton camp is underlain by folded and faulted pelitic schists and calc-silicate bearing metasedimentary rocks of the Milford Group (Pennsylvanian-Triassic) and amphibole-bearing metavolcanic rocks of the Kaslo Group (Triassic). These rocks have been intruded by quartz monzonite to diorite stocks of the Nelson plutonic suite

(Jurassic to Cretaceous). The Tillicum gold prospect occurs in Milford group metasediments near their contact with amphibolite and intrusive rocks of the Goatscanyon-Halifax Creek stock. The Gold Till claims are shown in Government reports to be underlain mainly by intrusive rocks; however, geological mapping (this report) indicates that the east central portion of the claim group is underlain by pyritic metasedimentary and metavolcanic rocks containing diorite, pegmatite, aplite and lamprophyre dikes. Except for the local presence of abundant pyrite, no mineral occurrences are known on the claims. A gold-quartz vein is reported (Read, 1976) to occur on the north side of Caribou Creek near the north boundary of the claims. Results of the 1983 program revealed gold, copper, zinc and silver geochemical anomalies in at least four areas that require follow-up definition and evaluation.

CONCLUSION

Glacial till is extensive on the Gold Till claims and outcrops are not abundant, however, geological mapping has revealed that parts of the Gold Till claims are underlain mainly by pyritic metasedimentary rocks, probably of the Milford Group. These rocks are similar to those that host gold mineralization on the adjacent Esperanza-LaTeko property.

Results of soil sampling indicate at least four anomalous areas containing significant gold, copper, silver, lead or

zinc values. Further work is warranted to define these zones in more detail and to evaluate them by trenching or diamond drilling.

RECOMMENDATION

A program of detailed geochemical sampling and geophysical surveys (electromagnetic and induced polarization surveys) is recommended on selected parts of the claim area. Should results be favourable, then trenching and/or diamond drilling should be undertaken.

Donald G. Allen

INTRODUCTION

Carl Creek Resources Ltd. holds four claims (Gold Till I to IV) totalling 80 units in the Burton gold-silver camp in east central British Columbia (Figure 1). Camelback Petroleum Corporation has an agreement with Carl Creek Resources Ltd. whereby they may earn a 50% interest in the claims by undertaking an exploration and development program. The claims lie immediately west of Esperanza-LaTeko's Tillicum Mountain gold property.

Gold and silver mineralization was discovered in the Burton area in the 1890's. A limited amount of silver and gold was produced from placer deposits and a number of mines until the 1930's. Interest in the area has recently been rekindled by a new high grade gold discovery on the Esperanza-LaTeko property.

This report summarizes results of geological mapping and geochemical sampling carried out on the Gold Till claims during the period June 30 to July 27, 1983. Work was carried out by A & M Exploration Ltd.

The Esperanza-LaTeko group has recently announced results of its on going 1983 exploration program (August 22, Oct 1, Oct. 11, 1983 company news releases) which included completion of 83 diamond drill holes and initiation of underground development. At least six zones of gold mineralization have been outlined. A total of 40,000 tons of drill-indicated

material containing 0.6 oz/ton gold has been defined on the Heino-Money zone with an inferred potential of 100,000 tons. The Heino-Money zone appears to have some characteristics of a stratabound mineralization.

PREVIOUS WORK

The Gold Till claims were staked in 1982. The property was examined by the writer and an exploration program proposed (Allen, 1982). Subsequently an airborne magnetic and VLF-Electromagnetic survey was conducted by White (1983) who outlined several "areas of interest", i.e., areas of magnetic lows and magnetic linears.

Dorado Resources Ltd. recently undertook surface exploration and diamond drilling on the ORO claims which are surrounded by the Gold Till claims. According to Tully (1982, 1983) two holes were drilled to test geochemical soil anomalies. Gold values of 0.01 oz/ton over 1.2 metres and 0.046 oz/ton over 1.1 metres in the two holes are reported.

LOCATION, ACCESS, PHYSIOGRAPHY

The Gold Till claims are situated five kilometres east-northeast of Burton, B. C. (Figure 1). Burton is a small community on the east side of Lower Arrow Lake along Highway 6 between Nakusp and Vernon (Figure 2). The claims lie between elevations 2500 and 5900 feet covering the west part of the ridge extending up to Tillicum Mountain between Caribou and Goatcanyon Creeks. Topography ranges from gentle on the ridge top to moderately steep on valley slopes. The area is heavily timbered with cedar, hemlock, balsam, Douglas fir and larch except where it has been logged. The claims are accessible by good logging roads - the logging road south of the Gold Till legal corner post (Figure 3) expands into a network of roads on the ridge.

CLAIM DATA

The Gold Till claims are registered in the name of J. G. MacDonald. They were purchased and are now held by Carl Creek Resources Ltd. Claim data is as follows:

<u>Claim Name</u>	<u>Record Number</u>	<u>Expiry Date*</u>
Gold Till I	3020	August 27, 1986
Gold Till II	3021	August 27, 1986
Gold Till III	3022	August 27, 1986
Gold Till IV	3023	August 27, 1986

*Note: After assessment work credits.

CAMELBACK PETROLEUM CORPORATION

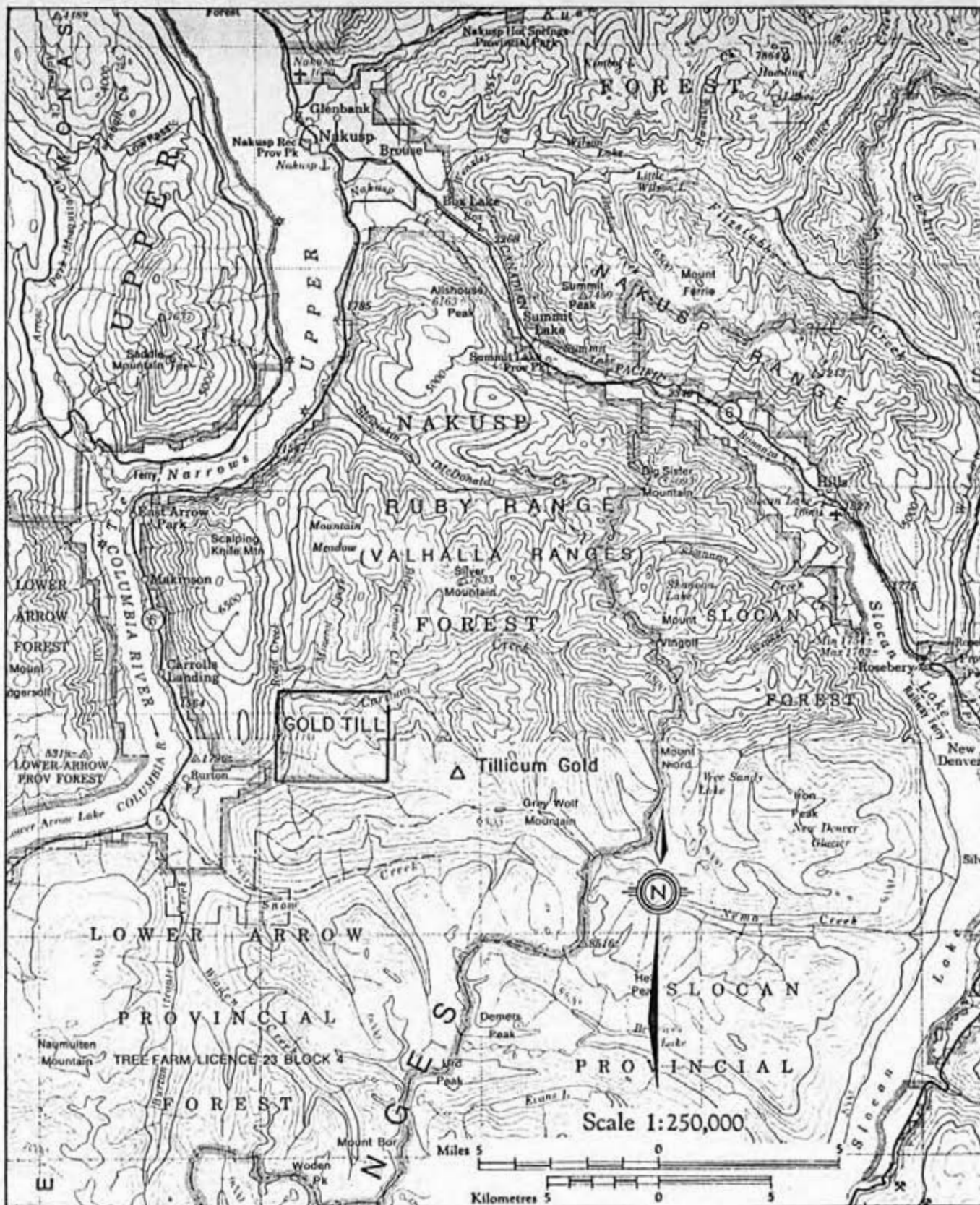
GOLD TILL PROPERTY

LOCATION MAP

SCALE 200 0 200 KILOMETRES MILES



FIGURE - 1



82 F, K

CAMELBACK PETROLEUM CORPORATION

ACCESS MAP

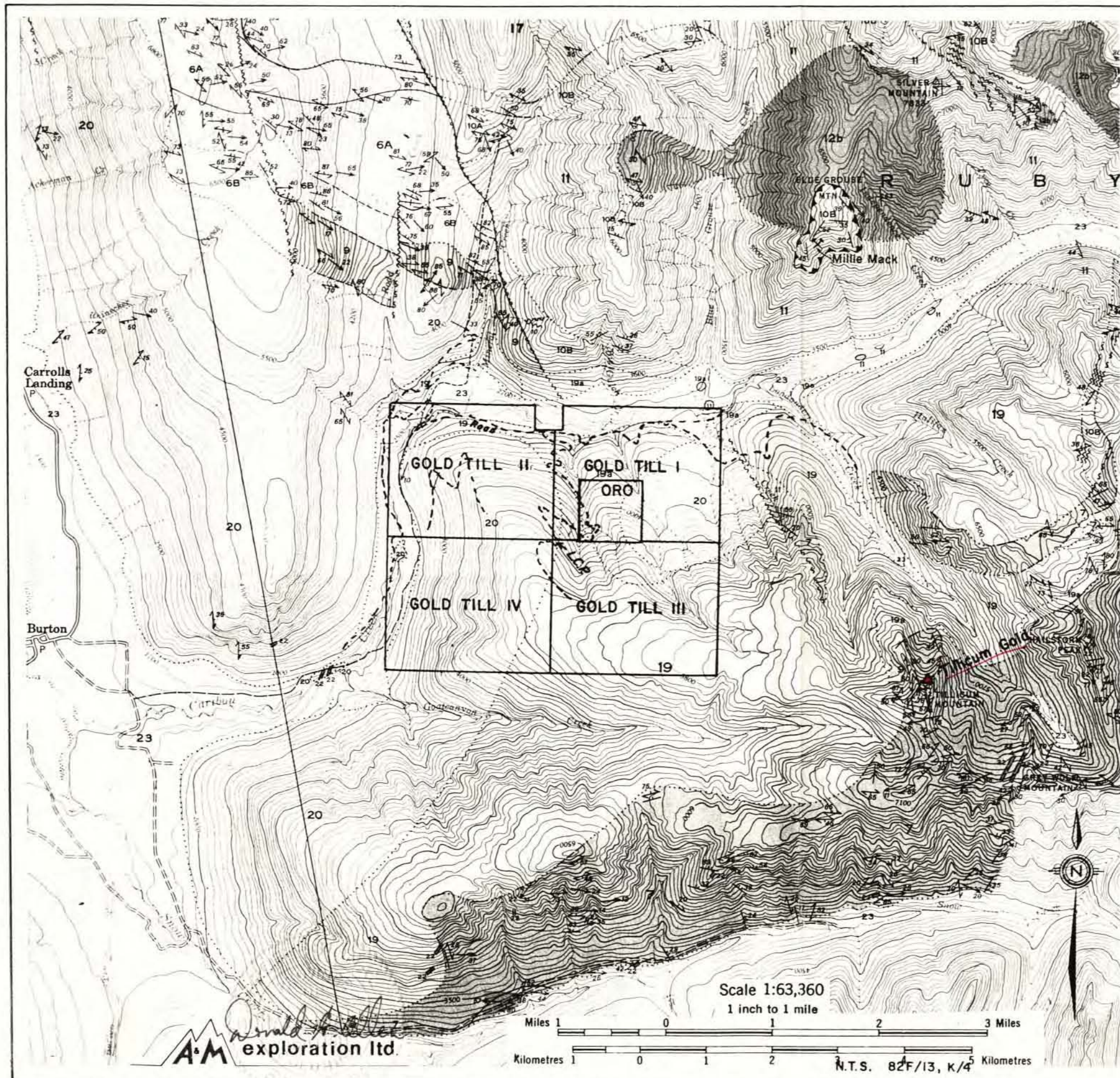
GOLD TILL CLAIMS

Slocan Mining Division - British Columbia



A.M. exploration Ltd.

Figure 2



LEGEND

- QUATERNARY
 - 23 Glacial, lacustrine, and fluvial gravel, sand, silt, and clay
- TERTIARY?
 - 22 Lamprophyre dykes
- CRETACEOUS AND/OR (?) JURASSIC
 - 20 LOWER CARIBOU CREEK STOCK: biotite-hornblende quartz, monzonite, granodiorite, quartz diorite, granite
 - 18 19 SNOWSLIDE AND WRAGGE CREEK STOCKS: epidote-biotite quartz monzonite, quartz diorite and granodiorite
 - 19 GOAT CANYON-HALIFAX CREEK STOCK: hornblende-biotite quartz monzonite: 19a. quartz diorite, granodiorite
 - 17 RUBY RANGE STOCK: biotite-hornblende quartz diorite, diorite, quartz monzonite, monzonite and syenodiorite
 - EAST CARIBOU STOCK: hornblende quartz monzonite and quartz diorite
- JURASSIC
 - ROSSLAND GROUP
 - 12 12a. augite basalt: 12b. andesite and basalt flows and tuffs, "greenstone"
- LOWER JURASSIC (?) AND TRIASSIC SLOCAN GROUP (10, 11)
 - 11 Andesite to dacite, tuffs and flows
 - 10A 10B Argillite, shale to siltstone, tuff
 - 10A Pelitic to silty phyllite and slate
- TRIASSIC
 - KASLO GROUP
 - 9 Amphibole-metavolcanic rocks
- (?) PENNSYLVANIAN TO TRIASSIC MILFORD (?) GROUP
 - 6 7 6B. Calc-silicate bearing metasedimentary rocks and "limestone" } Undivided
 - 6A. Fine-grained pelitic schist
- Rock, silt sample site; sample number
- Fault, thrust fault

Geology after Hyndman (1968)

CAMELBACK PETROLEUM CORPORATION
GOLD TILL PROPERTY
 SLOCAN MINING DIVISION BRITISH COLUMBIA

GEOLOGY & CLAIMS

A.M. exploration Ltd.

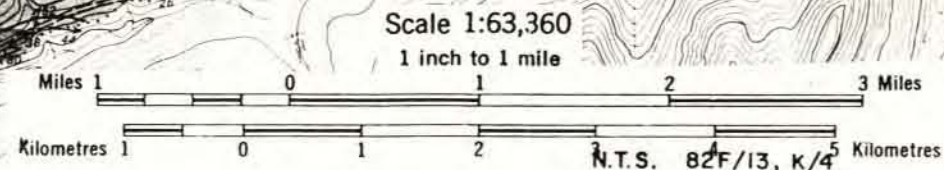


FIGURE 3

The legal corner post is situated on the logging road as shown on Figures 3 to 5. Dorado Resources Ltd. holds four 2-post claims within the boundaries of the Gold Till claims.

GEOLOGY

Regional Geology

The geology of the Nakusp-Burton area has been described by Hyndman (1968) and Parrish (1981). The area is underlain by a belt of fine-grained clastic rocks and volcanic rocks that have been subjected to low grade metamorphism and polyphase folding to form a complex syncline (Slocan synclinorium). Deformation in the belt is apparently post Early Jurassic in age. The Rod Creek fault, an extension of the Columbia River fault zone, (see faults on north side of Gold Till claims, Figure 3) truncates the synclinorium and juxtaposes it against high grade metamorphic rocks of the Shuswap terrane (near Scalping Knife Mountain immediately to the north of Figure 3).

Rock units in the area include pelitic schists and calc-silicate bearing metasedimentary rocks presumably of the Pennsylvanian to Triassic Milford Group (unit 6 and 7, Figure 3) and amphibole-rich metavolcanic rocks of the Triassic Kaslo Group (unit 9). These rock units host gold mineralization at Tillicum Mountain (Kwong and Addie, 1982).

Intrusive rocks of the Nelson Plutonic suite (Ruby Range, Goatcanyon-Halifax Creek and Caribou Creek stocks (units 17 to 20) of Late Jurassic to Cretaceous age intrude the synclinorium.

Property Geology

Overburden was found to be extensive and outcrops not abundant on the Gold Till claims. Hyndman (1968) shows the claim area as being underlain by quartz monzonite to diorite of the Goatcanyon-Halifax Creek stocks. However, geological mapping indicates that a large part of the central part of the claim area is underlain by a broad belt of metasedimentary rocks, sandwiched in between three intrusive phases as described below.

The metasedimentary rocks (units 1 and 2, Figure 5) underlie the west central part of the claim area in a north-trending belt. It may be a fault-bounded wedge, possibly bounded by branches of the Rod Creek fault. Biotite meta-siltstone and schist are the most abundant rock type. The rock is fine-grained and dark gray in colour and contains abundant disseminated pyrite. Hornblende-rich phases (metavolcanics) are less common and garnet-bearing phases occur locally. Dikes of quartz-diorite, diorite, lamprophyre, aplite and pegmatite are abundant (units 5 and 6).

Intrusive rocks of the Goatcanyon Creek stock include biotite hornblende diorite and quartz diorite (units 3 and

4). Porphyritic quartz monzonite and granite of the Lower Caribou Creek stock (unit 5) outcrops on the west part of the claim group. For rock descriptions of these units, see Hyndman (1968).

ANALYTICAL RESULTS

A total of 1,139 soil samples were taken on the Gold Till I-IV claims. Most work was conducted on the Gold Till I and IV claims because geological mapping indicated that the Gold Till II and IV were underlain mainly by porphyritic quartz monzonite, assumed to be a less likely host for mineralization. Sampling was carried out at 50 to 100 metre intervals on flagged lines spaced 100 and 200 metres apart. Samples were taken at depths of up to 30 cm and consisted mainly of glacial till. Soil material was placed in paper sample bags and shipped to Rossbacher Laboratory Ltd. for analyses. Molybdenum, copper, silver, lead, zinc, and gold were determined by standard atomic absorption methods (Appendix I). Sample sites and anomalous values are plotted on Figure 5.

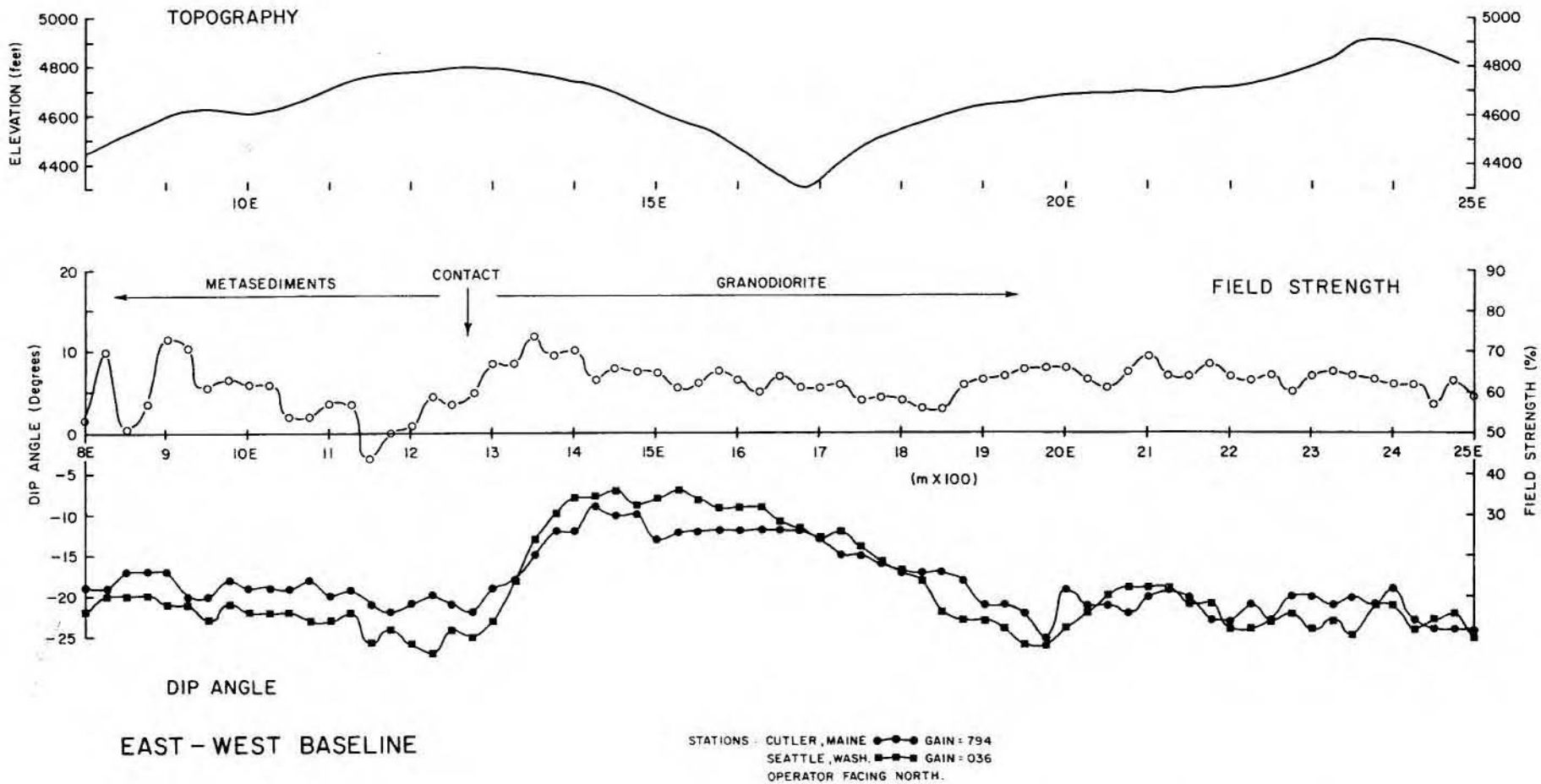
Scattered geochemical anomalies are found over a large part of the surveyed area. These widespread anomalies are probably a result of glacial dispersion; however, anomalous geochemical values cluster in distinct areas as outlined below. In Area I gold (up to 290 ppb), silver (up to 1.0 ppm) and zinc (up to 280 ppm and weak copper),

occur in a north-east trending zone about 1000 metres long by 50 to 100 metres wide across the boundary of the Gold Till I and II claims. The Esperanza-LaTeko group have also noted the presence of northeast-trending geochemical anomalies (see Appendix III). Area 2 comprises anomalous values in soil of gold (up to 240 ppb), silver (up to 1.4 ppm) and copper (up to 146 ppm) over an area of 100 by 400 metres on the Gold Till I claim. Area 3 comprises scattered highly anomalous gold values in soil and silt (of up to 700 ppb) along with silver (up to 3.4 ppm) over an area of about 400 by 500 metres on the western part of the Gold Till III claim. Area 4 comprises widespread low order copper (up to 198 ppm) and silver (up to 1.0 ppm) over an area of 400 by 1000 metres on the Gold Till IV claim. The latter area has been outlined only by widespaced sampling. All above areas should be fully covered by more detailed sampling.

VLF-ELECTROMAGNETIC SURVEY

A test line of VLF-Electromagnetic surveying was run along the baseline between the Gold Till I and II claims. The instrument used was a Sabre Electronics Ltd. Model 27 VLF-EM receiver. Readings were taken using both the Cutler, Maine (17.8 kHz) and Seattle, Washington (18.6 kHz) VLF radio stations. A prominent cross-over suggesting the presence of a conductor was encountered near station 13E; however, the cross-over may be related in part to topography and/or may define the contact between the granodiorite and metasedimentary rocks.

Donald G. Allen



CAMELBACK PETROLEUM CORPORATION
 GOLD TILL PROPERTY
 SLOCAN MINING DIVISION - BRITISH COLUMBIA

VLF-EM PROFILES

Oct. 31, 1983

Figure 6



REFERENCES

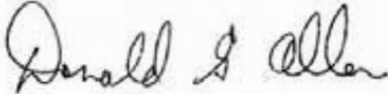
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- Tully, D.W. (1983). Report on a Program of Diamond Drilling on the ORO 1-4 Mineral Claims Group. Private Report for Dorado Resources Ltd.

CERTIFICATE

I, Donald G. Allen certify that:

1. I am a Consulting Geological Engineer, resident at 4570 Hoskins Road, North Vancouver, B. C.
2. I am a graduate of the University of British Columbia with degrees in Geological Engineering (B.A.Sc., 1964; M.A.Sc., 1966).
3. I have been practising my profession since 1964.
4. I am a member in good standing of the Association of Professional Engineers of British Columbia.
5. This report is based on fieldwork carried out personally on July 16 and 17, 1983 and by fieldwork carried out by J. Gravel, D. Cuvelier, M. Fawcett and D. Sorenson in August, 1983.
6. I hold no interest, nor do I expect to receive any, in Camelback Petroleum Corp., nor in the Gold Till claims.
7. I consent to the use of this report in a Statement of Material Facts or in a Prospectus by Camelback Petroleum Corp., in connection with the raising of funds for the project covered by this report.

North Vancouver, B. C.
October 31, 1983


Donald G. Allen
P. Eng. (B. C.)

APPENDIX I
CERTIFICATES OF ANALYTICAL RESULTS

Kossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

BURNABY, B. C.
CANADA
TELEPHONE: 299-8910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

PPB

CERTIFICATE NO. 83259-1

INVOICE NO.

DATE ANALYSED July 31/83

PROJECT 181

No.	Sample	pH	Mo	Cu	Pb	Zn	Au					No.
01	83 GF 30			32	10	78	10					01
02	31			18	10	82	10					02
03	32			20	8	88	10					03
04	33			16	10	100	10					04
05	34			14	10	86	10					05
06	35			22	6	76	10					06
07	36			24	8	78	10					07
08	37			34	4	92	10					08
09	38			42	4	130	10					09
10	83 GF 39			22	4	74	10					10
11	40			24	8	86	10					11
12	41			28	8	84	10					12
13	42			22	6	70	10					13
14	43			36	6	92	10					14
15	44			26	6	70	10					15
16	45			42	6	102	10					16
17	46			28	6	112	10					17
18	47			26	8	92	10					18
19	48			20	4	70	10					19
20	83 GF 49			18	4	88	10					20
21	50			14	8	114	10					21
22	51			18	4	112	10					22
23	52			24	4	142	10					23
24	53			16	10	128	10					24
25	54			16	4	82	10					25
26	55			18	4	66	10					26
27	56			34	4	86	10					27
28	57			18	4	60	10					28
29	58			28	4	60	10					29
30	83 GF 59			22	6	76	10					30
31	60			22	4	74	10					31
32	61			28	6	86	10					32
33	62			32	6	80	10					33
34	63			36	4	84	10					34
35	64			34	4	78	10					35
36	65			36	10	106	10					36
37	66			34	8	112	10					37
38	67			82	6	140	10					38
39	83 GF 68			40	6	112	10					39
40	STD C			172	28	108						40

VALUES IN PPM UNLESS NOTED OTHERWISE

by _____

Kossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 83259-2

INVOICE NO.

TO: **A & M EXPLORATION LTD.**

DATE ANALYSED July 29, 1983

4570 HOSKINS ROAD

NORTH VANCOUVER, B.C. V7K 2R1

PDB

PROJECT

181

No.	Sample	pH	Mo	Cu	Pb	Zn	Au				No.
01	83 GF 69			38	18	142	10				01
02	70			34	6	72	10				02
03	71			30	6	102	10				03
04	72			30	4	128	10				04
05	73			24	6	90	10				05
06	74			22	6	146	10				06
07	75			24	8	96	10				07
08	76			28	6	100	10				08
09	77			32	2	92	10				09
10	83 GF 78			26	8	90	10				10
11	79			38	8	188	10				11
12	80			34	10	98	10				12
13	81			42	4	118	10				13
14	82			26	6	192	10				14
15	83			24	4	166	10				15
16	84			38	6	100	10				16
17	85			36	6	86	10				17
18	86			30	6	92	10				18
19	87			32	4	108	10				19
20	83 GF 88			38	4	84	10				20
21	89			26	6	136	10				21
22	90			62	6	70	10				22
23	91			32	6	104	10				23
24	92			28	10	164	10				24
25	93			20	6	100	10				25
26	94			18	10	84	10				26
27	95			30	8	160	10				27
28	96			24	10	94	10				28
29	97			18	6	102	10				29
30	83 GF 98			18	10	78	10				30
31	99			18	10	100	10				31
32	100			22	10	76	10				32
33	101			28	8	94	10				33
34	102			20	10	92	10				34
35	103			18	8	96	10				35
36	104			18	10	66	10				36
37	105			12	8	50	10				37
38	106			18	10	56	10				38
39	83 GF 167			26	8	84	10				39
40	STD B			136	86	124					40

VALUES IN PPM UNLESS NOTED OTHERWISE.

Certified by 

Kossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

BURNABY, B. C.
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CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

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NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-3

INVOICE NO.

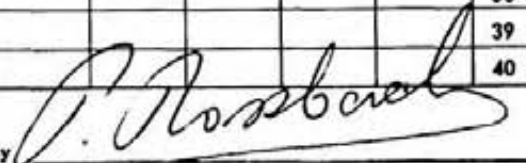
DATE ANALYSED July 31, 1983

PROJECT 181

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02	109			16	12	94	10				02
03	110			12	12	102	10				03
04	111			24	10	112	10				04
05	112			16	6	118	10				05
06	113			26	8	84	10				06
07	114			18	4	72	10				07
08	115			30	4	90	10				08
09	116			20	8	114	10				09
10	83 GF 117			14	10	100	10				10
11	118			14	10	72	10				11
12	119			28	12	152	10				12
13	120			18	10	110	10				13
14	121			20	18	92	10				14
15	122			16	10	106	10				15
16	123			12	14	88	10				16
17	124			14	10	82	10				17
18	125			22	8	90	10				18
19	126			42	14	88	10				19
20	83 GF 137			30	10	76	10				20
21	138			18	10	68	10				21
22	139			30	8	112	10				22
23	140			76	20	256	10				23
24	141			18	8	92	10				24
25	142			16	12	62	10				25
26	143			30	8	100	10				26
27	147			14	18	74	10				27
28	148			26	8	76	10				28
29	149			14	6	80	10				29
30	83 GF 150			92	4	126	10				30
31	151			27	8	122	10				31
32	152			18	6	42	10				32
33	153			40	6	126	10				33
34	154			46	6	106	10				34
35	155			56	10	114	10				35
36	156			54	6	116	10				36
37	157			30	4	130	10				37
38	158			24	6	162	10				38
39	83 GF 159			36	4	130	10				39
40	STD 8			140	96	134					40

VALUES IN PPM UNLESS NOTED OTHERWISE.

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Kossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

BURNABY, B. C.
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CERTIFICATE OF ANALYSIS

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CERTIFICATE NO. 83259-4

INVOICE NO.

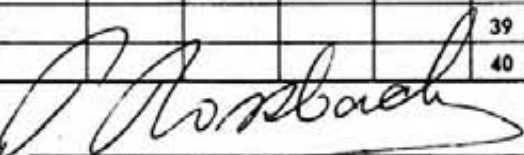
DATE ANALYSED July 31/83

PROJECT 181

No.	Sample	pH	Mo	Cu	Pb	Zn	Au				No.
01	83 GF 160			36	4	118	10				01
02	161			22	8	140	10				02
03	162			46	12	144	10				03
04	163			22	8	120	10				04
05	164			28	8	90	10				05
06	165			16	10	66	10				06
07	166			16	8	178	10				07
08	167			18	18	86	10				08
09	168			14	8	76	10				09
10	83 GF 169			30	10	90	10				10
11	170			12	90	92	10				11
12	172			16	6	72	10				12
13	173			22	6	90	10				13
14	174			30	14	82	10				14
15	175			24	8	76	10				15
16	176			28	6	88	10				16
17	177			18	4	150	10				17
18	178			24	6	190	10				18
19	179			38	4	96	10				19
20	83 GF 180			12	8	142	10				20
21	181			10	6	114	10				21
22	182			12	8	128	10				22
23	183			12	8	100	10				23
24	184			14	8	124	10				24
25	185			16	8	108	10				25
26	186			16	10	108	10				26
27	187			20	6	96	10				27
28	188			38	14	98	10				28
29	189			14	8	124	10				29
30	83 GF 190			14	8	64	10				30
31	191			12	10	66	10				31
32	192			12	12	68	10				32
33	193			18	10	86	10				33
34	194			18	10	104	10				34
35	195			20	8	90	10				35
36	196			48	16	84	10				36
37	197			16	10	110	10				37
38	198			10	8	110	10				38
39	83 GF 199			12	6	94	10				39
40					7						40

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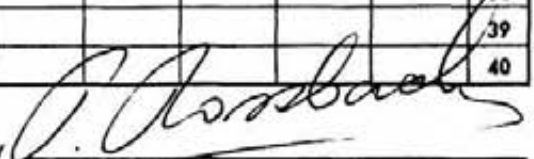
TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **83259-5**
INVOICE NO.
DATE ANALYSED **83/08/05**
PROJECT **181**

No.	Sample	pH	Mo	Cu	Pb	Zn	Au				No.
01	83 GF 200			24	10	76	10				01
02	201			22	10	92	10				02
03	202			18	4	66	10				03
04	203			14	10	52	10				04
05	204			12	8	42	10				05
06	205			14	6	40	10				06
07	206			16	6	18	10				07
08	207			16	6	30	10				08
09	208			12	4	20	10				09
10	83 GF 209			14	4	24	10				10
11											11
12											12
13											13
14											14
15											15
16											16
17											17
18											18
19											19
20											20
21											21
22											22
23											23
24											24
25											25
26											26
27											27
28											28
29											29
30											30
31											31
32											32
33											33
34											34
35											35
36											36
37											37
38											38
39											39
40											40

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TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-2

INVOICE NO.

DATE ANALYSED

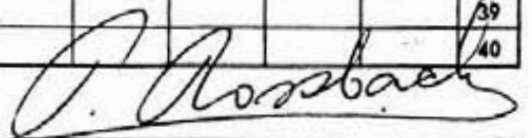
83/08/01
181

PROJECT

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au		No.
01	83 GF L 127			28	0.2	80	4	10		01
02	5128			32	0.2	80	4	10		02
03	129			18	0.2	84	6	10		03
04	130			12	0.2	84	12	10		04
05	131			12	0.2	130	12	10		05
06	132			16	0.2	94	16	10		06
07	133			24	0.2	130	4	10		07
08	134			50	1.6	88	8	10		08
09	135			32	0.2	86	10	10		09
10	83 GF 5136			28	0.2	84	14	10		10
11	83 GFS 210			12	0.2	56	6	10		11
12	211			12	0.2	62	10	10		12
13	212			14	0.2	58	12	10		13
14	213			14	0.2	22	4	10		14
15	214			14	0.2	72	6	10		15
16	215			14	0.2	52	6	10		16
17	216			16	0.2	50	6	10		17
18	217			10	0.2	40	10	10		18
19	218			12	0.2	56	8	10		19
20	83 GFS 219			12	0.2	36	10	10		20
21	220			16	0.2	78	8	10		21
22	221			16	0.4	88	8	10		22
23	222			18	0.4	70	6	10		23
24	223			16	0.8	82	8	10		24
25	224			26	0.2	80	8	10		25
26	L 225			66	0.6	74	10	10		26
27	S 226			24	0.2	76	6	10		27
28	227			14	0.2	58	4	10		28
29	228			16	0.2	56	8	10		29
30	83 GFS 229			16	0.2	50	8	10		30
31	230			14	0.2	58	6	10		31
32	231			14	0.2	52	6	10		32
33	232			16	0.2	52	4	10		33
34	L 233			30	0.8	78	12	10		34
35	S 234			28	0.2	78	4	10		35
36	L 235			32	0.6	78	20	10		36
37	L 236			32	1.2	74	26	10		37
38	S 237			24	0.2	98	4	300		38
39	238			28	0.8	56	12	10		39
40	810 E			74	0.2	136	16	-		40

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CERTIFICATE NO. 83259-3

INVOICE NO.

DATE ANALYSED 83/08/09

TO:

40 mesh
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1 PPB

PROJECT

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au			No.
01	83 GFS 239			20	0.2	54	8	10			01
02	240			14	0.2	44	6	10			02
03	241			18	0.2	56	6	10			03
04	242			22	0.6	56	10	10			04
05	243			14	0.4	60	8	10			05
06	244			16	0.2	62	6	10			06
07	245			16	0.2	56	8	10			07
08	246			22	0.2	100	8	10			08
09	247			18	0.2	64	8	10			09
10	83 GFS 248			16	0.2	52	6	10			10
11	249			14	0.6	80	4	10			11
12	L 250			12	0.2	76	2	10			12
13	S 251			14	0.2	138	4	10			13
14	252			26	3.4	80	28	10			14
15	253			10	0.2	56	6	10			15
16	254			14	0.4	68	2	10			16
17	255			14	0.6	50	4	10			17
18	256			14	0.4	32	6	10			18
19	257			16	0.2	62	6	10			19
20	83 GFS 258			12	0.2	32	8	10			20
21	259			10	0.2	40	8	10			21
22	260			16	0.4	64	10	10			22
23	261			14	0.4	48	12	10			23
24	262			24	0.2	100	12	10			24
25	L 263			58	0.2	80	14	10			25
26	S 264			14	0.2	58	10	10			26
27	265			16	0.2	100	8	10			27
28	266			18	0.4	58	14	10			28
29	267			14	0.4	42	8	10			29
30	STD D			114	4.0	500	102	-			30
31											31
32											32
33											33
34											34
35											35
36											36
37											37
38											38
39											39
40											40

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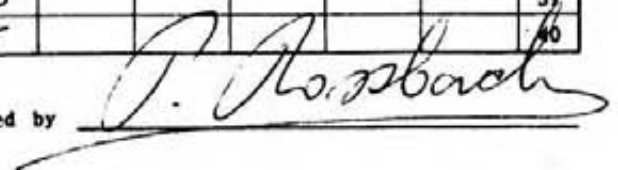
TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-4
INVOICE NO.
DATE ANALYSED 83/08/11
PROJECT 181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.
01	83 GFS 268			14	0.2	34	2	10				01
02	69			30	1.0	74	18	10				02
03	70			34	0.6	78	6	10				03
04	71			10	0.2	48	4	10				04
05	72			16	0.2	72	2	10				05
06	73			14	0.2	88	2	10				06
07	74			14	0.2	58	2	10				07
08	75			12	0.2	92	2	10				08
09	76			18	0.2	82	2	10				09
10	83 GFS 277			14	0.2	38	2	10				10
11	78			12	0.2	16	2	10				11
12	79			14	0.4	68	6	10				12
13	80			30	0.4	94	4	10				13
14	81			14	0.6	88	4	10				14
15	82			28	0.2	74	10	10				15
16	83			28	0.6	114	6	10				16
17	84			44	0.8	66	4	10				17
18	85			72	1.8	176	8	10				18
19	86			38	1.2	122	2	10				19
20	83 GFS 287			28	0.2	124	2	10				20
21	88			44	0.2	110	2	10				21
22	89			18	0.4	130	6	10				22
23	90			26	0.2	80	6	10				23
24	91			72	0.2	78	4	50				24
25	92			66	1.4	126	12	10				25
26	93			44	0.2	108	2	240				26
27	94			28	0.2	154	2	10				27
28	95			34	0.2	110	2	10				28
29	96			20	0.2	72	4	10				29
30	83 GFS 297			40	0.2	102	2	10				30
31	98			16	0.2	96	2	10				31
32	99			70	0.2	224	2	10				32
33	300			64	0.2	180	2	10				33
34	01			38	0.2	214	2	10				34
35	02			38	0.2	128	2	10				35
36	03			34	0.2	128	2	10				36
37	04			68	0.4	90	2	10				37
38	05			26	0.6	92	2	10				38
39	83 GFS 306			44	0.4	18	16	10				39
40	STD C			166	0.6	112	74	-				40

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A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-5

INVOICE NO.

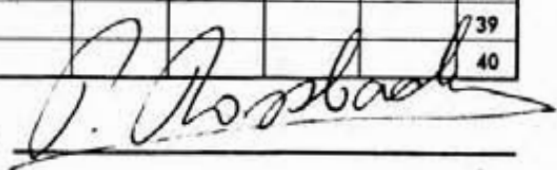
DATE ANALYSED 83/08/11

PROJECT 181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au	No.
01	83 GFS 307			84	0.2	96	6	10	01
02	08			16	0.4	58	8	10	02
03	09			24	0.4	88	8	10	03
04	10			46	0.8	58	8	10	04
05	11			16	0.6	76	10	10	05
06	12			62	0.6	88	8	10	06
07	13			24	0.4	84	10	10	07
08	14			26	0.4	102	6	10	08
09	15			24	0.2	96	6	10	09
10	83 GFS 316			12	0.2	120	10	10	10
11	17			18	0.6	106	8	10	11
12	18			30	0.2	80	6	10	12
13	19			26	0.2	84	6	10	13
14	20			16	0.4	96	8	10	14
15	21			22	0.4	100	8	10	15
16	22			20	0.4	80	10	10	16
17	23			10	0.4	68	12	10	17
18	24			10	0.2	80	10	10	18
19	25			20	0.2	138	8	10	19
20	83 GFS 326			16	0.2	106	10	10	20
21	27			20	0.2	96	10	10	21
22	28			26	0.2	94	10	10	22
23	29			10	0.2	88	10	10	23
24	30			18	0.6	100	14	10	24
25	31			16	0.2	94	12	10	25
26	32			12	0.2	46	10	10	26
27	33			18	0.2	64	6	10	27
28	34			54	0.2	142	16	10	28
29	35			40	0.2	60	6	10	29
30	83 GFS 336			12	0.2	78	10	10	30
31	37			10	0.2	66	10	10	31
32	38			10	0.4	106	10	10	32
33	39			16	0.4	84	8	10	33
34	40			36	0.4	78	8	10	34
35	41			26	0.2	106	20	10	35
36	42			20	0.2	152	12	10	36
37	43			22	0.2	152	12	10	37
38	44			12	0.4	46	10	10	38
39	83 GFS 345			12	0.4	22	6	10	39
40	STD D			118	4.2	490	100		40

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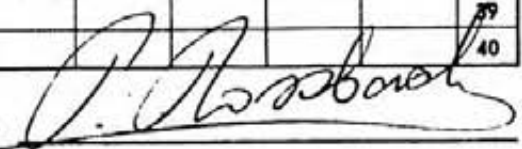
TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **83307-6**
INVOICE NO.
DATE ANALYSED **83/08/11**
PROJECT **181**

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au			No.
01	83 GFS 346			28	0.2	76	4	10			01
02	47			34	0.2	74	4	10			02
03	48			44	0.4	86	10	10			03
04	49			26	0.2	90	6	10			04
05	50			30	0.4	46	4	10			05
06	51			18	0.4	54	2	10			06
07	52			14	0.2	34	10	10			07
08	53			18	0.2	62	2	10			08
09	54			16	0.2	86	2	10			09
10	83 GFS 355			18	0.2	62	2	10			10
11	56			16	0.4	24	4	10			11
12	57			14	0.2	100	6	10			12
13	58			22	0.2	82	10	320			13
14	59			18	0.2	68	10	10			14
15	60			16	0.2	54	10	110			15
16	61			22	0.2	44	4	10			16
17	62			14	0.2	110	2	10			17
18	63			22	0.2	68	2	10			18
19	64			24	0.4	64	14	10			19
20	83 GFS 365			20	0.2	70	6	10			20
21	66			38	0.2	60	8	10			21
22	67			20	0.2	88	4	10			22
23	68			52	0.2	80	10	10			23
24	69			38	0.2	60	6	10			24
25	70			22	0.4	48	6	10			25
26	71			30	0.4	98	2	10			26
27	72			26	0.2	60	2	10			27
28	73			38	0.8	148	4	30			28
29	74			70	0.8	68	2	10			29
30	83 GFS 375			38	0.2	78	2	10			30
31	76			48	0.4	70	4	10			31
32	77			48	0.2	44	10	10			32
33	78			34	0.2	56	4	10			33
34	79			36	0.2	72	4	10			34
35	80			24	0.2	76	6	10			35
36	81			18	0.6	62	2	10			36
37	82			24	0.2	68	2	10			37
38	83			16	0.2	56	2	10			38
39	83 GFS 394			20	0.2	64	2	10			39
40	STD B			152	1.0	134	94				40

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A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-7

INVOICE NO.

DATE ANALYSED 83/08/11

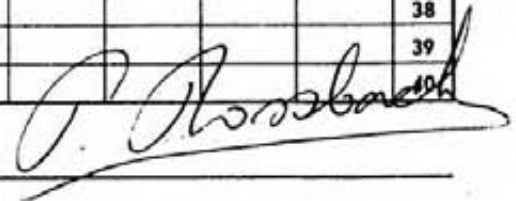
PROJECT

181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.
01	83 GFS 385			36	0.2	82	4	10				01
02	86			16	0.2	58	8	10				02
03	87			40	0.2	62	4	10				03
04	88			34	0.4	80	4	10				04
05	89			32	0.2	68	16	10				05
06	90			44	0.2	70	10	10				06
07	91			22	0.4	76	10	10				07
08	92			26	0.4	118	8	10				08
09	93			20	0.4	124	10	10				09
10	83 GFS 94			24	0.2	74	8	10				10
11	95			18	0.6	118	10	10				11
12	96			22	0.4	112	8	10				12
13	97			16	0.4	156	12	10				13
14	98			14	0.4	168	10	10				14
15	99			22	0.4	128	8	10				15
16	400			16	0.2	152	8	10				16
17	01			88	0.4	132	10	10				17
18	02			16	0.2	82	8	10				18
19	03			16	0.2	74	10	10				19
20	04			22	0.2	84	6	10				20
21	83 GFS 05			38	0.2	88	6	10				21
22	STD E			74	0.2	148	16	-				22
23												23
24												24
25												25
26												26
27												27
28												28
29												29
30												30
31												31
32												32
33												33
34												34
35												35
36												36
37												37
38												38
39												39
40												40

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A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307 - 8A

INVOICE NO.

DATE ANALYSED 83/08/11

PROJECT 181

DPB

No.	Sample	pH	%	Cu	Ag	Zn	Pb	Au					No.
01	83 GSS 1			14	0.4	90	12	10					01
02	2			18	0.2	74	8	10					02
03	3			14	0.2	66	10	10					03
04	4			24	0.2	58	12	10					04
05	5			22	0.2	56	8	10					05
06	6			12	0.2	100	10	10					06
07	7			12	0.2	90	10	10					07
08	8			12	0.2	86	10	10					08
09	9			16	0.2	108	12	10					09
10	83 GSS 10			14	0.2	96	10	10					10
11	11			12	0.2	88	12	10					11
12	12			28	0.2	74	10	10					12
13	13			24	0.2	106	12	10					13
14	14			16	0.2	126	10	10					14
15	15			44	0.2	112	8	10					15
16	16			38	0.6	60	8	10					16
17	17			146	1.4	80	14	10					17
18	18			32	0.2	130	8	10					18
19	19			18	0.2	90	8	10					19
20	83 GSS 20			20	1.0	90	10	10					20
21	21			34	0.6	128	10	10					21
22	22			16	0.6	78	10	10					22
23	23			24	0.2	104	10	70					23
24	24			20	0.2	100	8	10					24
25	25			24	1.0	112	10	10					25
26	26			24	0.4	116	8	10					26
27	27			38	0.2	108	10	10					27
28	28			22	0.2	60	12	10					28
29	29			16	0.2	86	6	10					29
30	83 GSS 30			16	0.2	110	10	10					30
31	31			22	0.4	68	8	10					31
32	32			16	0.4	166	8	10					32
33	33			20	0.6	114	10	10					33
34	34			26	0.4	108	8	10					34
35	35			14	0.2	64	8	10					35
36	36			14	0.2	58	8	10					36
37	37			54	0.4	114	6	10					37
38	38			16	0.8	158	8	10					38
39	83 GSS 39			44	0.4	98	4	10					39
40	310 E			74	0.2	138	16	-					40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by

P. Rossbach

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-8B

INVOICE NO.

DATE ANALYSED 83/08/11

PROJECT

181

PP3

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.
01	83 GSS 40			48	0.8	108	6	10				01
02	41			38	0.4	110	8	10				02
03	42			22	0.4	76	6	10				03
04	43			24	0.2	112	8	10				04
05	44			16	0.2	92	6	10				05
06	45			14	0.2	78	6	10				06
07	46			22	0.2	64	8	10				07
08	47			24	0.4	86	10	10				08
09	48			20	0.4	74	12	10				09
10	83 GSS 49			24	0.2	106	8	10				10
11	50			24	0.2	104	4	10				11
12	51			66	0.2	82	6	10				12
13	52			16	0.2	112	8	10				13
14	53			36	0.2	132	8	10				14
15	54			34	0.2	100	8	10				15
16	55			20	0.4	76	18	10				16
17	56			24	0.4	74	10	10				17
18	57			26	0.2	88	10	10				18
19	58			16	0.2	106	10	10				19
20	83 GSS 59			16	0.4	130	10	10				20
21	60			24	0.2	142	10	10				21
22	61			24	0.6	112	12	10				22
23	62			32	1.0	50	24	10				23
24	63			18	0.6	102	14	10				24
25	64			24	0.4	50	10	10				25
26	65			34	0.4	84	8	10				26
27	66			38	0.4	88	10	10				27
28	67			14	0.6	130	12	10				28
29	68			24	0.4	110	12	10				29
30	83 GSS 69			30	0.4	102	10	10				30
31	70			14	0.4	90	10	10				31
32	71			30	0.2	78	12	10				32
33	72			22	1.4	74	14	10				33
34	73			26	0.2	100	12	10				34
35	74			36	0.6	132	48	10				35
36	75			24	0.4	124	10	10				36
37	76			34	0.2	100	8	10				37
38	77			26	0.4	88	12	10				38
39	83 GSS 78			16	0.4	70	10	10				39
40	STD E			74	0.2	136	18	-				40

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J. Rossbacher

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CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-9

INVOICE NO.

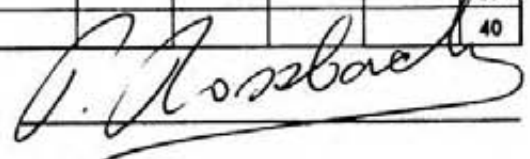
DATE ANALYSED 83/08/17

PROJECT 181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.
01	83 GSS 79			22	0.2	60	10	10				01
02	80			18	0.2	116	6	10				02
03	81			40	0.2	88	10	10				03
04	82			18	0.4	56	6	10				04
05	83			18	0.2	86	6	10				05
06	84			34	0.2	76	6	10				06
07	85			22	0.2	58	8	10				07
08	86			148	1.0	82	12	10				08
09	87			68	0.4	62	6	10				09
10	83 GSS 88			52	0.6	44	8	10				10
11	89			58	1.0	48	8	10				11
12	90			52	0.4	80	6	10				12
13	91			16	0.4	62	6	10				13
14	92			22	0.6	70	8	10				14
15	93			36	0.2	76	6	10				15
16	94			10	0.4	16	6	10				16
17	95			20	0.4	84	10	10				17
18	96			12	0.4	52	8	10				18
19	97			14	1.0	34	8	10				19
20	83 GSS 98			12	0.8	28	8	10				20
21	99			16	0.4	42	8	10				21
22	100			10	0.6	96	8	10				22
23	01			12	0.2	126	8	10				23
24	02			12	0.2	54	10	10				24
25	03			16	0.2	84	16	10				25
26	04			16	0.4	66	10	10				26
27	05			12	0.2	90	8	10				27
28	06			12	0.2	60	10	10				28
29	07			14	0.2	58	12	10				29
30	83 GSS 108			18	0.2	114	16	10				30
31	09			18	0.2	150	10	10				31
32	10			16	0.2	112	10	10				32
33	11			20	0.4	112	8	10				33
34	12			12	0.8	70	12	10				34
35	13			14	0.4	66	12	10				35
36	14			16	0.6	94	10	10				36
37	15			22	0.2	168	10	10				37
38	16			20	0.2	104	8	10				38
39	83 GSS 117			14	0.4	60	10	10				39
40	STD E			74	0.2	146	18	-				40

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A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-10
INVOICE NO.
DATE ANALYSED 83/08/16
PROJECT 181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.
01	83 GSS 118			30	0.2	112	14	10				01
02	19			16	0.4	84	12	10				02
03	20			16	0.4	62	10	10				03
04	21			26	0.4	84	8	10				04
05	22			32	0.4	134	16	10				05
06	23			34	0.2	130	18	10				06
07	24			16	0.4	66	8	20				07
08	25			32	0.6	108	8	10				08
09	26			30	0.8	126	8	10				09
10	83 GSS 127			22	0.8	106	10	10				10
11	28			32	0.4	168	10	10				11
12	29			46	0.6	220	10	10				12
13	30			28	0.6	140	12	10				13
14	31			32	0.2	78	8	10				14
15	32			22	0.4	134	8	150				15
16	33			30	0.4	160	8	10				16
17	34			16	0.2	64	6	10				17
18	35			24	0.2	94	6	10				18
19	36			14	1.0	102	8	10				19
20	83 GSS 137			24	0.2	80	10	10				20
21	38			40	0.2	108	10	10				21
22	39			14	0.2	78	10	10				22
23	40A			14	0.2	104	8	10				23
24	41			18	0.7	128	6	20				24
25	42			22	0.2	100	8	10				25
26	43			16	0.2	62	6	10				26
27	44			12	0.7	64	10	10				27
28	45			10	0.2	66	10	10				28
29	46			18	0.7	102	8	10				29
30	83 GSS 147			14	0.2	76	6	10				30
31	48			12	0.2	106	12	10				31
32	49			16	0.2	78	10	10				32
33	50		MISSING			8		-				33
34	51			22	0.2	88	16	10				34
35	52			14	0.6	86	10	10				35
36	53			28	0.2	96	6	10				36
37	54			14	0.2	82	8	10				37
38	55			14	0.2	76	10	10				38
39	83 GSS 156			28	0.2	188	10	10				39
40	83 GSS 157			22	0.8	86	10	-				40

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CANADA
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A & M EXPLORATION LTD.

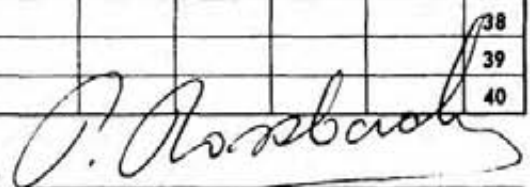
TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-1
INVOICE NO.
DATE ANALYSED 83/08/05
PROJECT 181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.
01	83 GJS 1			20	0.2	72	6	10				01
02	L 2			52	1.6	106	16	10				02
03	S 3			20	0.2	88	8	10				03
04	L 4			46	3.4	112	6	10				04
05	S 5			16	0.4	86	6	10				05
06	6			14	0.4	56	6	10				06
07	7			12	0.6	28	4	10				07
08	L 8			18	0.2	66	4	10				08
09	S 9			14	0.2	86	4	10				09
10	83 GJS 10			16	0.2	52	6	10				10
11	11			18	0.2	78	6	10				11
12	12			24	0.8	92	6	10				12
13	13			14	0.6	52	2	10				13
14	14			16	0.4	50	4	10				14
15	15			12	0.2	82	4	10				15
16	L 16			42	1.0	68	14	10				16
17	L 17			30	0.6	86	4	10				17
18	L 18			156	1.4	74	10	10				18
19	S 19			36	0.4	78	6	10				19
20	83 GJS 20			22	0.4	102	6	10				20
21	21			20	0.2	88	6	10				21
22	22			14	0.6	60	6	10				22
23	23			14	0.2	44	12	10				23
24	24			16	0.4	30	6	10				24
25	25			18	0.4	68	8	10				25
26	L 26			16	0.2	74	6	10				26
27	L 27			20	0.2	84	10	10				27
28	L 28			36	0.6	96	24	10				28
29	L 29			24	0.4	100	34	10				29
30	83 GJS L 30			24	0.2	118	22	10				30
31	L 31			10	0.2	64	10	10				31
32	L 32			44	0.2	98	32	10				32
33	L 33			18	0.2	72	10	10				33
34	L 34			22	0.4	120	16	10				34
35	L 35			18	0.2	80	30	10				35
36	L 36			16	0.2	78	14	10				36
37	L 37			22	0.2	96	10	10				37
38	STD C			168	0.6	112	74	-				38
39												39
40												40

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BURNABY, B. C.
CANADA
TELEPHONE: 299-8910

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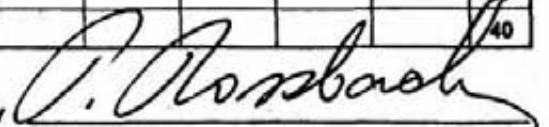
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4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **83329**
INVOICE NO.
DATE ANALYSED **AUG. 22/83**
PROJECT **181**

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	PPB Au					No.
01	83 GJT 13			48	0.2	18	22	10					01
02	15			50	0.2	10	42	10					02
03	33			74	0.2	70	6	20					03
04	37			64	0.2	20	16	10					04
05	38			172	0.6	82	12	10					05
06	41			168	0.8	60	14	10					06
07	43			222	0.8	74	20	60					07
08	44			122	0.4	58	12	20					08
09	53			82	0.4	62	10	10					09
10	83 GJT 53			106	0.4	78	10	10					10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
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28													28
29													29
30													30
31													31
32													32
33													33
34													34
35													35
36													36
37													37
38													38
39													39
40													40

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2225 S. SPRINGER AVE.,
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CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **83307-1**

INVOICE NO.

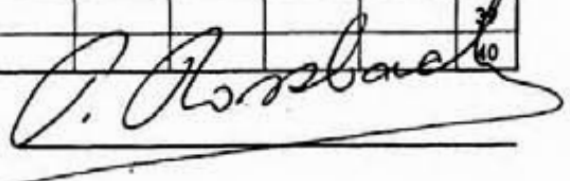
DATE ANALYSED **83/08/11**

PROJECT **181**

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	PPB Au					No.
01	83GJS38			16	0.4	92	16	10					01
02	83GJS39			16	0.4	96	16	10					02
03													03
04													04
05													05
06													06
07													07
08													08
09													09
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
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23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
32													32
33													33
34													34
35													35
36													36
37													37
38													38
39													39
40													40

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CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-2

INVOICE NO.

DATE ANALYSED 83/08/11

PROJECT 181

No.	Sample	pH	%	Cu	Ag	Zn	Pb	Au			No.
01	83 GTS 40			10	0.4	44	10	10			01
02	41			10	0.4	64	4	80			02
03	42			12	0.2	60	4	10			03
04	43			16	0.2	60	4	10			04
05	83 GTS 44			20	0.2	70	10	10			05
06	45			10	0.2	64	8	10			06
07	46			8	0.2	68	10	10			07
08	47			10	0.4	66	10	10			08
09	48			16	0.6	108	8	10			09
10	83 GTS 49			12	0.4	66	8	10			10
11	50			30	1.2	66	8	10			11
12	51			12	0.2	56	2	10			12
13	52			18	0.2	54	2	10			13
14	53			10	0.2	20	2	10			14
15	54			12	0.2	62	2	10			15
16	55			16	0.4	96	4	10			16
17	56			16	0.8	86	6	10			17
18	57			14	0.2	86	6	10			18
19	58			10	0.2	68	8	10			19
20	83 GTS 59			14	0.4	80	8	10			20
21	60			30	0.4	98	12	10			21
22	61			14	0.6	100	4	10			22
23	62			30	0.6	80	6	10			23
24	63			22	0.2	72	14	10			24
25	64			18	0.2	88	12	10			25
26	65			14	0.2	86	6	10			26
27	66			16	0.4	70	16	10			27
28	67			16	0.2	80	6	10			28
29	68			18	0.2	126	6	10			29
30	83 GTS 69			16	0.4	90	14	10			30
31	70			14	0.2	68	2	10			31
32	71			16	0.2	104	2	10			32
33	72			18	0.2	70	2	10			33
34	73			24	0.6	146	8	10			34
35	74			14	0.2	76	2	10			35
36	75			22	0.2	72	8	10			36
37	76			44	0.2	106	12	10			37
38	77			14	0.2	86	12	10			38
39	83 GTS 78			16	0.2	70	10	10			39
40	STD D			120	3.8	490	94				40

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CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-3

INVOICE NO.

DATE ANALYSED 83/08/11

PROJECT 181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.
40 01	83 GJS 79			18	0.2	50	10	10				01
02	80			18	0.2	98	16	10				02
03	81			16	0.2	68	12	10				03
04	82			18	0.2	94	12	10				04
05	83			56	0.4	158	10	10				05
06	84			12	0.4	72	10	10				06
07	85			14	0.2	80	12	10				07
08	86			16	0.2	70	10	10				08
09	87			10	0.2	88	10	10				09
10	83 GJS 88			40	0.2	120	10	10				10
11	89			16	0.2	94	14	10				11
12	90			8	0.2	48	10	10				12
13	91			32	0.2	92	8	10				13
14	92			26	0.2	144	8	10				14
15	93			26	0.2	110	10	10				15
16	94			10	0.2	86	14	10				16
17	83 GJS 95			16	0.2	80	8	10				17
18	STD E			74	0.2	140	16	-				18
19												19
20												20
21												21
22												22
23												23
24												24
25												25
26												26
27												27
28												28
29												29
30												30
31												31
32												32
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34												34
35												35
36												36
37												37
38												38
39												39
40												40

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CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **83259-7A**

INVOICE NO.

DATE ANALYSED **83/08/01**

PROJECT

181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au					No.
01	83 GAL 216			40	0.2	92	16	10					01
02	217			22	0.2	78	14	10					02
03	83 GAL 218			26	0.2	88	16	10					03
04													04
05													05
06													06
07													07
08													08
09													09
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
32													32
33													33
34													34
35													35
36													36
37													37
38													38
39													39
40													40

VALUES IN PPM UNLESS NOTED OTHERWISE.

Certified by

P. Kossbacher

Kossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **83259-6**
INVOICE NO.
DATE ANALYSED **JULY 31/83**
PROJECT **181**

No.	Sample	pH	Mg	Cu	Pb	Zn	Au				No.
01	83 GC 203			18	6	54	10				01
02	204			22	6	62	10				02
03	205			16	10	64	10				03
04	206			20	6	68	10				04
05	207			20	6	56	10				05
06	208			24	6	54	10				06
07	209			18	8	96	10				07
08	210			24	6	108	10				08
09	211			14	8	80	10				09
10	83 GC 212			16	8	84	10				10
11	213			30	4	100	10				11
12	214			30	19	76	10				12
13	215			20	6	76	10				13
14	216			26	10	64	10				14
15	217			24	8	90	10				15
16	218			20	8	108	10				16
17	219			18	10	136	10				17
18	220			16	4	52	10				18
19	221			14	6	50	10				19
20	83 GC 222			18	6	72	10				20
21	223			32	4	44	10				21
22	224			32	2	98	10				22
23	225			22	2	64	70				23
24	226			18	8	76	10				24
25	227			20	6	66	10				25
26	228			36	10	158	10				26
27	229			74	6	108	10				27
28	230			30	8	126	10				28
29	231			22	8	98	10				29
30	83 GC 232			18	22	70	10				30
31	233			16	10	280	10				31
32	234			16	6	108	10				32
33	235			20	8	104	10				33
34	236			18	10	106	10				34
35	237			12	8	108	10				35
36	238			18	8	82	10				36
37	239			28	6	84	10				37
38	240			16	8	40	10				38
39	83 GC 241			26	10	88	10				39
40	STD B			138	96	132	-				40

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CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-7

INVOICE NO.

DATE ANALYSED 83/08/05

PROJECT

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No.	Sample	pH	Mo	Cu	Pb	Zn	Au				No.
01	83 GC 242			22	14	80	10				01
02	243			20	10	62	10				02
03	244			18	8	64	10				03
04	245			10	4	54	10				04
05	246			6	12	40	10				05
06	247			14	14	82	10				06
07	248			10	10	56	10				07
08	249			20	6	96	10				08
09	250			24	14	62	10				09
10	83 GC 251			30	12	56	10				10
11	252			16	18	84	10				11
12	253			20	8	60	10				12
13	254			10	8	128	10				13
14	255			12	14	78	10				14
15	256		m. 930ir g	-	-	-	-				15
16	257			18	12	82	10				16
17	258			12	12	54	10				17
18	259			10	8	54	10				18
19	260			16	8	74	10				19
20	83 GC 261			10	8	94	10				20
21	262			18	12	102	10				21
22	263			10	10	78	10				22
23	264			10	14	110	10				23
24	265			10	10	68	10				24
25	266			16	10	66	10				25
26	267			14	8	74	10				26
27	268			10	8	86	10				27
28	269			12	6	76	10				28
29	270			10	8	78	10				29
30	83 GC 271			18	14	90	10				30
31	272			32	8	80	10				31
32	273			16	8	82	10				32
33	274			30	8	92	10				33
34	275			38	6	70	10				34
35	276			26	4	62	10				35
36	277			14	10	64	10				36
37	278			540	6	78	10				37
38	279			50	12	160	10				38
39	83 GC 280			38	12	116	10				39
40	STD C			170	80	104	-				40

VALUES IN PPM UNLESS NOTED OTHERWISE.

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GEOCHEMICAL ANALYSTS & ASSAYERS

BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **83259-8**
INVOICE NO.
DATE ANALYSED **83/08/05**
PROJECT **181**

PPB

No.	Sample	pH	Mo	Cu	Pb	Zn	Al					No.
01	83 GCS 281			16	10	94	10					01
02	282			20	6	118	10					02
03	283			22	8	130	10					03
04	284			16	6	12	16					04
05	285			30	14	70	10					05
06	286			24	6	108	10					06
07	287			22	10	76	10					07
08	288			50	10	94	10					08
09	289			18	14	64	10					09
10	83 GCS 290			18	10	82	10					10
11	291			26	8	98	10					11
12	292			66	6	160	10					12
13	293			18	6	58	10					13
14	294			16	12	42	10					14
15	295			14	14	70	10					15
16	296			14	8	78	10					16
17	297			34	8	118	10					17
18	298			22	8	110	10					18
19	299			30	2	56	10					19
20	83 GCS 300			28	8	82	290					20
21	301			30	6	120	10					21
22	302			26	4	100	10					22
23	303			26	4	60	10					23
24	304			14	12	70	10					24
25	305			32	8	72	10					25
26	306			16	10	48	10					26
27	307			12	10	88	12					27
28	308			20	6	78	10					28
29	309			10	8	60	10					29
30	83 GCS 310			30	10	110	10					30
31	311			34	4	64	150					31
32	312			42	12	62	10					32
33	313			32	6	104	40					33
34	314			20	8	110	10					34
35	315			48	6	78	10					35
36	316			28	10	92	10					36
37	317			16	4	44	10					37
38	318			16	10	50	10					38
39	83 GCS 319			12	8	28	10					39
40	STD C			172	78	104						40

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BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-9

INVOICE NO.

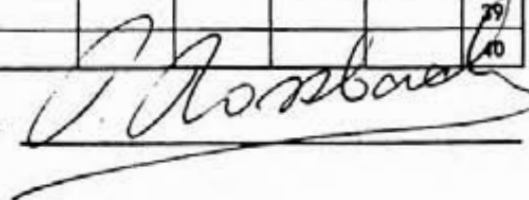
DATE ANALYSED 83/08/05

PROJECT 181

No.	Sample	pH	Mg	Cu	Pb	Zn	Aw				No.
01	83 GCS 320			24	10	70	10				01
02	321			18	8	68	10				02
03	322			14	8	72	10				03
04	323			20	8	202	10				04
05	324			36	12	266	10				05
06	325			24	8	128	10				06
07	326			40	12	116	10				07
08	327			16	10	84	10				08
09	328			18	8	70	10				09
10	83 GCS 329			40	10	82	10				10
11	330			24	6	68	10				11
12	331			18	8	48	10				12
13	332			14	8	82	10				13
14	333			26	8	80	10				14
15	334			22	12	118	10				15
16	335			12	10	108	10				16
17	336			26	10	82	10				17
18	337			16	8	92	10				18
19	338			14	6	56	10				19
20	83 GCS 339			14	8	68	10				20
21	340			14	10	88	10				21
22	341			16	6	86	10				22
23	342			16	8	130	10				23
24	343			14	6	82	10				24
25	344			22	10	84	10				25
26	345			22	6	64	10				26
27	346			26	4	56	10				27
28	347			18	6	116	10				28
29	348			76	4	116	10				29
30	83 GCS 349			34	4	164	10				30
31	350			38	6	102	10				31
32	351			26	8	130	10				32
33	352			28	6	192	10				33
34	353			26	6	88	10				34
35	354			10	4	54	10				35
36	355			12	10	54	10				36
37	356			22	20	80	10				37
38	357			14	8	108	10				38
39	83 GCS 358			18	8	120	10				39
40	STD C			160	76	106	-				40

VALUES IN PPM UNLESS NOTED OTHERWISE.

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BURNABY, B. C.
CANADA
TELEPHONE: 299-8910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

4570 HOSKINS ROAD

NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-10

INVOICE NO.

DATE ANALYSED 83/08/05

PROJECT 181

TO:

-40 mesh

No.	Sample	pH	Mg	Cu	Pb	Zn	Au					No.
01	83 GC 359			16	8	90	10					01
02	360			12	6	70	10					02
03	361			18	6	82	10					03
04	362			10	6	60	10					04
05	363			12	6	70	10					05
06	364			12	4	70	10					06
07	365			52	14	68	10					07
08	366			10	4	54	10					08
09	367			10	4	56	10					09
10	83 GC 368			16	8	82	10					10
11	369			12	10	60	10					11
12	370			18	6	74	10					12
13	371			18	2	62	10					13
14	372			22	8	76	10					14
15	373			20	6	78	10					15
16	374			22	6	76	10					16
17	375			14	6	78	10					17
18	376			16	6	66	10					18
19	377			16	6	66	10					19
20	83 GC 378			26	6	76	10					20
21	379			16	8	88	10					21
22	380			8	6	76	10					22
23	381			24	6	86	10					23
24	382			16	8	82	10					24
25	383			14	8	56	10					25
26	384			12	6	88	10					26
27	385			18	4	92	10					27
28	386			10	6	34	10					28
29	387			12	8	56	10					29
30	83 GC 388			14	4	58	10					30
31	389			10	8	66	10					31
32	390			10	6	72	10					32
33	391			10	4	84	10					33
34	392			8	8	96	10					34
35	393			12	8	112	10					35
36	394			20	16	76	10					36
37	395			14	6	104	10					37
38	396			20	6	128	10					38
39	83 GC 397			26	8	136	10					39
40	STD F			76	16	146						40

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TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

4570 HOSKINS ROAD

NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-11

INVOICE NO.

DATE ANALYSED 83/08/01

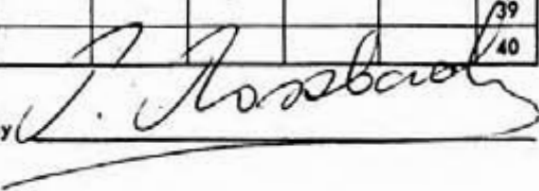
PROJECT 181

TO: - 40 mesh

No.	Sample	pH	Mo	Cu	Pb	Zn	Au				No.
01	83 GC 398			30	8	106	10				01
02	399			80	6	100	40				02
03	400			14	10	100	10				03
04	401			16	12	106	10				04
05	402			28	10	138	10				05
06	403			28	6	140	10				06
07	404			14	4	100	10				07
08	405			18	12	74	10				08
09	406			36	6	98	10				09
10	83 GC 407			14	4	74	10				10
11	408			14	6	60	10				11
12	409			14	8	70	10				12
13	410			14	6	74	10				13
14	411			24	20	82	10				14
15	412			10	8	74	10				15
16	413			14	8	72	10				16
17	414			10	6	56	10				17
18	415			12	8	48	10				18
19	416			14	6	68	10				19
20	83 GC 417			14	10	70	10				20
21	418			14	8	74	10				21
22	419			18	6	86	10				22
23	420			18	8	82	10				23
24	421			12	10	64	10				24
25	422			16	10	96	10				25
26	423			18	12	90	10				26
27	424			18	6	84	10				27
28	425			26	6	92	10				28
29	426			18	10	106	10				29
30	83 GC 427			20	8	116	10				30
31	428			18	8	92	10				31
32	429			18	8	86	10				32
33	430			20	8	140	10				33
34	431			14	14	58	10				34
35	432			18	8	92	10				35
36	433			12	8	58	10				36
37	434			24	6	96	10				37
38	435			18	8	110	10				38
39	83 GC 436			14	8	108	10				39
40	STD B			120	94	130	-				40

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BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-12
INVOICE NO.
DATE ANALYSED 83/08/05
PROJECT 181

No.	Sample	pH	Mo	Cu	Pb	Zn	Au				No.
01	83 GL 437			18	8	72	10				01
02	438			28	4	88	10				02
03	439			34	4	74	10				03
04	440			22	10	80	10				04
05	441			16	6	116	10				05
06	83 GL 442			22	6	120	10				06
07	83 GC 3426			18	8	90	10				07
08											08
09											09
10											10
11											11
12											12
13											13
14											14
15											15
16											16
17											17
18											18
19											19
20											20
21											21
22											22
23											23
24											24
25											25
26											26
27											27
28											28
29											29
30											30
31											31
32											32
33											33
34											34
35											35
36											36
37											37
38											38
39											39
40											40

VALUES IN PPM UNLESS NOTED OTHERWISE.

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Kossbacher Laboratory Ltd.

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BURNABY, B. C.
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TELEPHONE: 299-8910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-4

INVOICE NO.

DATE ANALYSED 83/08/05

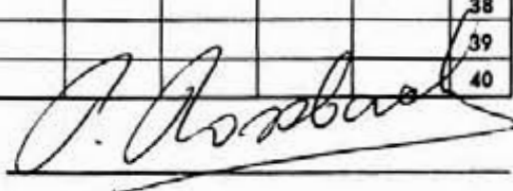
PROJECT

181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au			No.
01	83 GCS 443			36	0.6	80	4	10			01
02	444			24	0.2	98	10	10			02
03	445			16	0.2	72	2	10			03
04	446			20	0.4	90	10	10			04
05	447			14	0.4	100	6	10			05
06	448			24	2.4	90	6	10			06
07	449			24	0.6	116	4	10			07
08	450			14	1.2	138	10	10			08
09	451			18	0.2	84	6	10			09
10	83 GCS 452			12	0.2	80	8	10			10
11	453			14	0.2	90	4	10			11
12	454			18	0.4	70	8	10			12
13	455			14	0.4	106	6	10			13
14	456			22	0.2	80	6	10			14
15	457			22	0.6	72	6	10			15
16	458			16	0.4	78	2	10			16
17	459			12	0.2	94	4	10			17
18	460			14	0.4	72	4	10			18
19	461			14	0.2	90	4	10			19
20	83 GCS 462			12	0.2	62	4	10			20
21	463			20	0.2	82	4	10			21
22	464			26	0.2	100	4	10			22
23	465			18	0.2	104	6	10			23
24	466			60	0.2	88	4	10			24
25	467			46	0.2	76	2	10			25
26	468			26	0.2	64	6	10			26
27	469			14	0.4	50	10	10			27
28	470			12	0.2	66	6	10			28
29	471			14	0.2	50	12	10			29
30	83 GCS 472			14	0.4	46	6	10			30
31	473			12	0.2	52	6	10			31
32	474			14	0.4	24	4	10			32
33	475			16	0.2	44	6	10			33
34	476			10	0.2	26	8	10			34
35	477			12	0.2	56	4	10			35
36	478			12	0.2	36	10	10			36
37	479			12	0.6	38	12	10			37
38	480			14	0.6	58	8	10			38
39	481			28	0.2	88	6	10			39
40	STD B			140	0.8	138	92				40

VALUES IN PPM UNLESS NOTED OTHERWISE.

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GEOCHEMICAL ANALYSTS & ASSAYERS

BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS A & M EXPLORATION LTD.

CERTIFICATE NO. 83259-~~45~~

INVOICE NO.

DATE ANALYSED 83/08/09

TO: -40 mesh
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

PROJECT

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.	
01	83GCS 482			14	0.4	50	14	10				01	
02	483			14	1.2	57	12	10				02	
03	L 484			102	3.6	50	32	10				03	
04	S 485			44	0.8	68	8	10				04	
05	L 486			60	0.8	68	20	10				05	
06	S 487			14	0.6	72	8	10				06	
07	488			8	0.2	36	2	10				07	
08	489			12	0.6	50	2	10				08	
09	490			8	0.4	52	4	10				09	
10	83GCS 491			8	0.4	46	4	10				10	
11	492			10	0.4	72	8	10				11	
12	493			10	0.6	58	8	10				12	
13	494			12	0.4	60	8	10				13	
14	L 495			36	2.2	74	14	10				14	
15	S 496			10	0.2	56	8	10				15	
16	497			10	0.2	48	4	10				16	
17	L 498			14	0.8	52	6	10				17	
18	S 499			10	0.6	48	4	10				18	
19	500			8	0.2	40	6	10				19	
20	83GCS 501			10	0.6	50	8	10				20	
21	502			14	0.6	60	8	10				21	
22	503			12	0.6	80	12	10				22	
23	504			10	0.6	20	12	10				23	
24	505			12	1.0	32	10	10				24	
25	506			16	1.2	60	8	10				25	
26	507			10	0.8	36	10	10				26	
27	508			16	0.8	46	8	10				27	
28	509			10	0.4	28	4	10				28	
29	510			MISSING									29
30	83GCS 511			26	0.6	76	12	10				30	
31	T 512			34	0.6	102	8	10				31	
32	S 513			18	1.0	74	14	10				32	
33	514			16	0.6	68	6	50				33	
34	L 515			20	0.6	62	16	10				34	
35	S 516			14	0.8	42	12	10				35	
36	517			12	0.2	76	6	10				36	
37	518			10	0.2	58	6	10				37	
38	519			12	0.4	46	6	10				38	
39	520			12	0.4	68	4	10				39	
40	STD D			124	4.2	510	102	-				40	

P. Rossbacher

VALUES IN PPM UNLESS NOTED OTHERWISE.

Certified by

Kossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83259-6

INVOICE NO.

DATE ANALYSED 83/08/14

PROJECT 181

PPB

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No
01	83 GCS 521			100	0.4	80	10	10				01
02	522			10	0.6	96	10	10				02
03	523			10	0.6	56	8	10				03
04	524			12	0.2	38	10	10				04
05	525			18	0.2	74	8	10				05
06	526			14	0.2	56	12	10				06
07	527			12	0.2	54	6	10				07
08	528			18	0.2	62	6	10				08
09	529			8	0.2	46	8	10				09
10	83 GCS 530			8	0.2	60	8	10				10
11	531			16	0.4	68	8	10				11
12	532			16	0.4	86	6	10				12
13	533A			18	0.2	72	6	10				13
14	533B			16	0.4	74	6	10				14
15	534			26	0.4	58	22	10				15
16	535			22	1.0	60	6	10				16
17	536			32	0.6	122	10	10				17
18	537			26	0.6	66	28	10				18
19	538		Missing	0	-	-	-	-				19
20	83 GC 539			26	0.4	72	10	10				20
21	540			22	0.4	52	8	10				21
22	541			14	0.4	66	8	10				22
23	542			20	0.4	72	8	10				23
24	83 GCS 543			28	0.6	78	10	10				24
25	STD E			76	0.2	146	16	-				25
26												26
27												27
28												28
29												29
30												30
31												31
32												32
33												33
34												34
35												35
36												36
37												37
38												38
39												39
40												40

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A. Kossbacher

Rossbacher Laboratory Ltd.

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2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

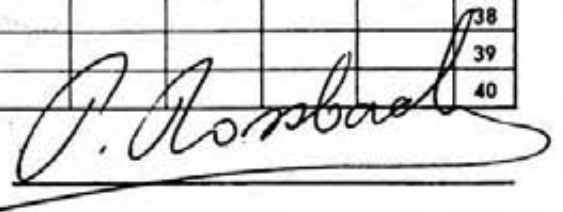
TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-11
INVOICE NO.
DATE ANALYSED 83/08/18
PROJECT 181

No.	Sample	pH	%	Cu	Ag	Zn	Pb	Au				No.
01	83 GCS 544			16	0.2	90	10	10				01
02	45			18	0.4	88	14	10				02
03	46			22	0.2	100	10	10				03
04	47			32	0.6	122	12	10				04
05	48			30	0.2	104	8	10				05
06	49			16	0.2	144	10	10				06
07	50			26	0.4	104	12	10				07
08	51			30	0.2	134	8	10				08
09	52			20	0.6	98	8	10				09
10	83 GCS 553			14	0.4	98	6	10				10
11	54			24	0.2	68	10	10				11
12	55			32	0.2	112	6	10				12
13	56			18	0.2	164	8	10				13
14	57			34	0.4	242	8	10				14
15	58			30	0.2	84	8	10				15
16	59			24	0.2	120	12	10				16
17	60			68	0.2	116	6	10				17
18	61			54	0.8	138	4	10				18
19	62			14	0.4	78	10	10				19
20	83 GCS 563			44	0.6	120	8	10				20
21	64			26	0.6	172	10	10				21
22	65			78	0.4	112	10	10				22
23	66			22	0.2	94	10	40				23
24	67			42	0.2	96	10	10				24
25	68			30	0.2	86	10	10				25
26	69			32	0.2	94	6	10				26
27	70			26	0.2	72	6	10				27
28	71			30	0.8	76	6	10				28
29	72			40	0.2	96	6	10				29
30	83 GCS 573			26	1.0	124	8	10				30
31	74			16	0.2	96	8	10				31
32	75			12	0.2	126	10	10				32
33	76			16	0.4	134	10	10				33
34	77			22	0.2	132	8	10				34
35	78			20	0.2	86	8	10				35
36	79			20	0.8	76	12	10				36
37	80			20	1.0	82	12	10				37
38	81			26	0.2	80	8	10				38
39	83 GCS 582			20	0.2	82	10	10				39
40	STD D			116	4.0	490	102	-				40

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BURNABY, B. C.
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TELEPHONE: 299-6910

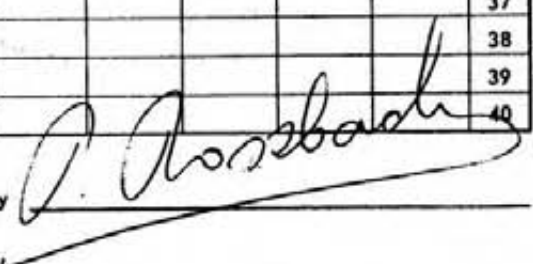
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TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-12
INVOICE NO.
DATE ANALYSED 83/08/20
PROJECT 181

No.	Sample	pH	%	Cu	Ag	Zn	Pb	AU ppb			No.
01	83GCS 583			38	0.6	99	12	10			01
02	84			20	0.8	84	10	10			02
03	85			18	0.2	86	12	100			03
04	86			18	0.2	68	18	10			04
05	87			12	0.2	146	6	10			05
06	88			14	0.2	70	8	10			06
07	89			14	0.4	60	10	10			07
08	90			14	0.2	58	8	10			08
09	91			16	0.2	72	10	10			09
10	83GCS 592			12	0.4	34	8	10			10
11	93			16	0.6	36	10	10			11
12	94			18	0.4	68	20	10			12
13	95			20	0.4	104	10	10			13
14	96			16	0.4	78	10	10			14
15	97			26	0.4	96	12	10			15
16	98			38	0.4	80	10	10			16
17	99			16	0.2	96	10	10			17
18	600			18	0.2	74	10	10			18
19	T 01			6	0.2	68	6	10			19
20	83GCS 602			20	0.2	82	10	10			20
21	03			16	0.2	76	10	700			21
22	04			12	0.2	66	6	10			22
23	05			20	0.2	82	4	10			23
24	06			18	0.2	98	8	10			24
25	07			20	0.2	92	8	10			25
26	08			30	0.2	76	12	10			26
27	09			38	0.2	86	12	10			27
28	10			30	0.2	96	10	10			28
29	11			16	0.2	64	8	10			29
30	83GCS 612			46	1.2	82	18	10			30
31	13			16	0.2	52	8	10			31
32	14			18	0.2	78	6	10			32
33	15			16	0.2	98	10	10			33
34	16			18	0.2	96	6	10			34
35	17			16	0.2	74	8	10			35
36	18			12	0.2	60	8	10			36
37	19			12	0.2	68	10	10			37
38	20			16	0.2	48	8	10			38
39	83GCS 621			16	0.2	100	10	10			39
40	STD C			194	0.6	116	78	-			40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

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GEOCHEMICAL ANALYSTS & ASSAYERS

2226 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

4570 HOSKINS ROAD

NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 8830743A

INVOICE NO.

DATE ANALYSED 83/08/18

PROJECT

181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Hg ^{ppb}		No.
01	GCS 622			16	0.2	158	12	10		01
02	23			18	0.2	92	10	10		02
03	24			34	0.4	84	18	10		03
04	25			28	0.2	76	18	10		04
05	26			26	0.2	96	8	10		05
06	27			18	0.4	80	8	10		06
07	28			18	0.2	120	10	10		07
08	29			18	0.2	76	10	10		08
09	30			16	0.2	62	8	10		09
10	GCS 631			12	0.2	60	8	10		10
11	32			14	0.2	30	6	10		11
12	33			14	0.2	86	8	10		12
13	34			18	0.4	104	8	10		13
14	35			34	0.2	90	6	10		14
15	36			24	0.4	52	10	10		15
16	37			60	0.2	168	6	10		16
17	38			40	0.2	76	8	10		17
18	39			54	0.2	86	6	10		18
19	40			36	0.2	86	8	10		19
20	GCS 641			14	0.2	78	8	10		20
21	42			20	0.2	80	8	10		21
22	43			16	0.2	72	8	10		22
23	44			40	0.2	90	10	10		23
24	45			66	0.6	76	14	10		24
25	46			18	0.2	68	8	10		25
26	47			18	0.2	76	10	10		26
27	48			14	0.4	72	8	10		27
28	49			18	0.4	56	18	10		28
29	50			12	0.8	22	6	10		29
30	GCS 651			42	0.2	80	8	10		30
31	52			14	0.2	112	10	10		31
32	53			22	0.2	70	8	10		32
33	54			32	0.2	80	10	10		33
34	55			18	0.2	100	10	10		34
35	56			16	0.2	84	16	10		35
36	57			22	0.2	86	10	10		36
37	58			18	0.2	80	8	10		37
38	59			12	0.2	74	12	10		38
39	GCS 660			14	0.2	114	10	10		39
40	STD C			194	0.6	118	78	-		40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by

J. Rossbacher

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

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CERTIFICATE NO. 88 3307-13 B

INVOICE NO.

DATE ANALYSED

PROJECT

83/08/18
181

TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au				No.
01	83GCS661			14	0.4	16	12	10				01
02	62			14	0.6	28	10	10				02
03	63			14	0.4	88	10	10				03
04	64			22	0.8	22	12	10				04
05	65			16	0.4	54	10	10				05
06	66			16	0.2	64	8	10				06
07	67			14	0.4	46	10	10				07
08	68			16	0.2	44	10	10				08
09	69			14	0.4	18	10	10				09
10	83GCS670			18	0.4	64	8	10				10
11	71			16	1.2	64	8	10				11
12	72			198	1.2	50	8	10				12
13	73			24	0.8	58	6	10				13
14	74			38	1.0	72	8	10				14
15	75			86	1.0	82	8	10				15
16	76			54	0.8	70	8	10				16
17	77			30	0.2	100	6	10				17
18	78			34	0.2	80	6	10				18
19	79			24	0.2	98	8	10				19
20	83GCS680			18	0.2	70	6	10				20
21	81			34	0.4	92	6	10				21
22	82			30	0.8	104	6	10				22
23	83			34	0.2	76	6	10				23
24	84			20	0.2	92	8	10				24
25	85			18	0.2	32	10	10				25
26	86			22	0.2	66	6	280				26
27	87			16	0.6	130	8	10				27
28	88			22	0.4	134	12	10				28
29	89			28	0.2	94	8	10				29
30	83GCS690			42	0.2	124	6	10				30
31	91			18	0.4	114	8	10				31
32	92			16	0.4	92	10	10				32
33	93			34	0.2	112	8	10				33
34	94			26	0.2	112	12	10				34
35	95			14	0.4	74	10	10				35
36	96			20	0.2	74	8	10				36
37	97			18	0.2	88	8	10				37
38	98			20	0.4	172	8	10				38
39	83GCS699			20	0.4	142	6	10				39
40	STD D			120	4.0	490	102	-				40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

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P. Rossbach

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2226 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

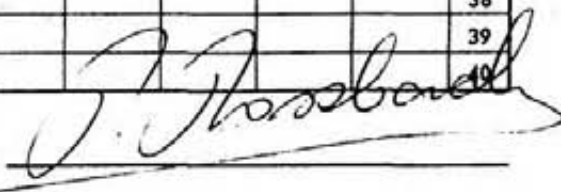
TO: 4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. 83307-15
INVOICE NO.
DATE ANALYSED 83/08/11
PROJECT 181

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	Au			No.
01	83 GCS 700			14	0.6	106	8	10			01
02	701			32	0.2	110	12	10			02
03	702			14	0.2	78	4	10			03
04	83 GCS 703			30	0.4	88	8	10			04
05	83 GCS 140B			22	0.2	112	6	10			05
06											06
07	STD e			178	0.6	112	78	←			07
08											08
09											09
10											10
11											11
12											12
13											13
14											14
15											15
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35											35
36											36
37											37
38											38
39											39
40											40

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APPENDIX 11
AFFIDAVIT OF EXPENSES

AFFIDAVIT OF EXPENSES

This will certify that geological mapping, geochemical sampling and VLF-EM surveys were carried out during the period June 30 to July 27, 1983 on the GOLD TILL I to IV claims, Slocan Mining Division, Burton area, British Columbia, to the value of the following:

Fieldwork and Mobilization

Salaries		
D. G. Allen		\$ 1,050.00
D. Cuvelier		2,377.82
M. Fawcett		1,680.00
J. Gravel		1,680.00
D. Sorenson		432.00
Field supplies		2,086.99
Room and board		2,093.96
Vehicle rental and expenses		1,873.08
Geochemical analyses		9,777.35
Telephone		87.58
VLF-EM instrument rental		
2 days @ \$25		50.00
		<hr/>
		\$23,188.78

Report preparation

Salary		
D. G. Allen	1.0 day @ \$350	350.00
Draughting, typing, compilation	61.6 hrs. @ \$15	924.00
Photocopying, maps		294.34
		<hr/>
		\$ 1,568.34
	Total	<u>\$24,757.12</u>

Donald G. Allen

Donald G. Allen
P. Eng. (B.C.)

APPENDIX III

ESPERANZA-LATEKO AUGUST 23, 1983 NEWS RELEASE

ESPERANZA EXPLORATIONS LTD.

1027 - 470 Granville Street
Vancouver, B.C. V6C 1V5
Telephone: (604) 687-1658

LA TEKO RESOURCES LTD.

303 - 535 Howe Street
Vancouver, B.C. V6C 2C2
Telephone: (604) 682-2704

August 23, 1983

TILLICUM MOUNTAIN - PROGRESS REPORT NO. 83-3

Good gold values have resulted in the approval of a \$1,000,000 budget for the 1983 exploration and development program on the Esperanza Exploration and La Teko Resources high grade property on Tillicum Mountain, 25 miles south of Nakusp, B.C. The budget was doubled from \$500,000 set in the spring to \$1,000,000, which will be used in continued diamond drilling, bulldozer trenching, geochemical surveys and prospecting. The expanded aggressive program will include:

- 5,000 feet of further diamond drilling on the Heino-Money zone
- 5,000 feet of further diamond drilling in three other zones:
 - East Ridge Zone, 950 Zone and the 1250 Zone
- trenching of the newly discovered East Tillicum geochemical anomalies
- continued geochemical surveys over the Silver Queen Zone and the southern portion of the Tillicum property.

The objective of the program is to complete preliminary evaluation of 50% of the ground during the current season. Approximately 20% of the claims have been examined to date.

HEINO-MONEY

Strata-bound gold mineralization has been encountered in 14 of the 18 holes drilled this season in the Heino-Money pit. This is a very high success ratio since a number of the holes were designed to provide geological data. A drill plan, cross section and table of assays are appended to this report to aid in explaining the continuity and geological complexity of these encouraging results.

Drilling conducted during 1982 and 1983 outlined a drill-indicated reserve of 40,000 tons grading 0.6 ounces per ton gold (grade cut to 2 ounces) within an area of inferred potential of 100,000 tons. One drill rig will continue to delineate additional reserves within the southeasterly dipping Heino-Money Zone.

Cost estimates are presently being obtained for underground development and bulk sampling; which program would then be scheduled as soon as feasible.

EAST RIDGE

Prospecting, trenching and soil sampling have successfully outlined a 1,000 foot long, northerly striking extension of the East Ridge Zone, which now increases the potential strike length to over 2,000 feet. The East Ridge Zone is comprised of a number of horizons that have consistently assayed from 0.1 to 0.2 ounces per ton gold over widths of up to 7 feet. The East Ridge Zone will be the initial target area for the second drilling rig.

1250 and 950

Drilling is also proposed for the 1250 and 950 Zones which have assayed as high as 0.26 ounces per ton gold over 8.5 feet.

SILVER QUEEN

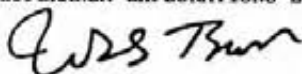
Prospecting of the Silver Queen area shows that zone to be of larger dimensions than originally considered, with mineralization being found over a 3,000-foot strike length, and preliminary assays returning values of up to 22 ounces per ton silver, with gold assays in the 0.03 ounces per ton range.

EAST TILLICUM

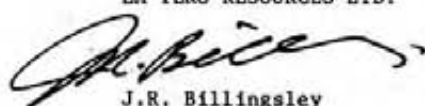
Recent soil sampling completed over eastern portions of the Tillicum property has outlined two parallel, northeast-trending, semi-continuous gold anomalies, each with strike lengths in excess of 2,000 feet. Anomalous gold content in soils ranges from 100 to 2,900 parts per billion. Trenching and sampling of these anomalies, as well as the nearby Grizzly Zone, is now in progress.

In summary, 12 separate gold zones are emerging at Tillicum, the presence of which clearly indicates excellent potential for development of extensive reserves.

ESPERANZA EXPLORATIONS LTD.


John S. Brock
President

LA TEKO RESOURCES LTD.


J.R. Billingsley
Vice-President

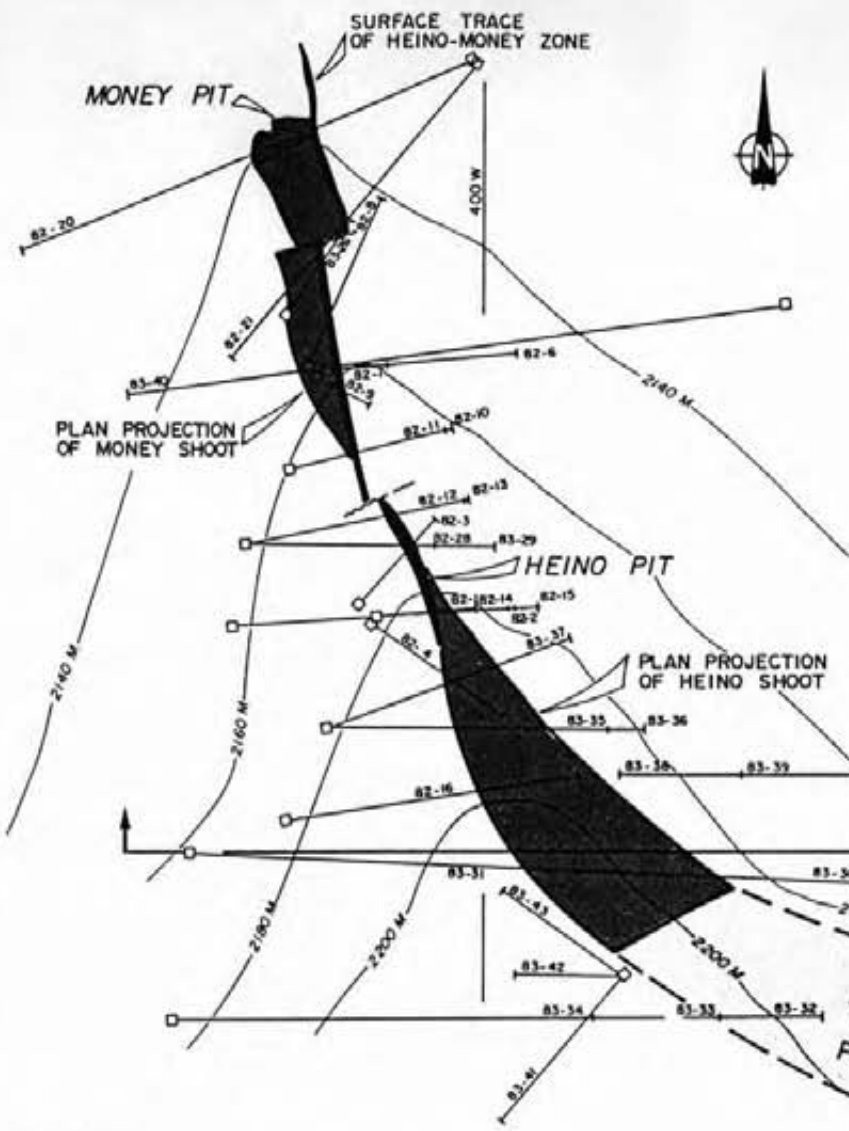
This progress report has been prepared by the company officers signed above, who accept responsibility for its content. The Vancouver Stock Exchange has neither approved nor disapproved of this report.

ASSAY RESULTS FROM HEINO-MONEY ZONE DIAMOND DRILLING
FOR THE PERIOD TO JULY 31, 1983

HOLE NO.	FOOTAGE		WIDTH Feet	GOLD oz/ton	
	From	To			
S82-1	26.8	38.0	11.2	1.10	
S82-2	48.8	59.3	10.5	0.63	
S82-3	40.4	43.7	3.3	0.09	
S82-4	80.3	89.0	8.7	0.07	
S82-6	7.0	22.8	15.8	1.18	
S82-7	14.4	37.6	23.2	0.25	
S82-8	27.5	41.0	13.5	0.28	
S82-9	10.0	17.0	7.0	0.24	
S82-10	30.0	36.4	6.4	0.08	
S82-11	51.8	60.0	8.2	0.12	
S82-12	48.0	50.0	2.0	0.11	
S82-13	77.0	83.0	6.0	0.12	
S82-14	116.5	125.0	8.5	No significant assay	
S82-15	166.0	173.5	7.5	0.04	
S82-16	104.8	111.2	6.4	1.02	
S82-21	144.0	147.5	3.5	0.11	
83-26	75.0	81.5	6.5	0.26	
83-27	55.0	64.0	9.0	0.21	
83-28	122.0	130.5	8.5	No significant assay	
83-29	200.0	209.0	9.0	0.14	
83-31	190.5	209.8	16.2	0.20	
	includes	190.5	191.5	1.0	1.36
	"	207.0	209.8	2.8	0.33
83-35	74.0	80.5	6.5	No significant assay	
		140.0	142.1	2.1	0.14
83-36	96.0	100.0	4.0	0.08	
		127.8	132.0	4.2	0.06
83-37	13.0	19.0	6.0	0.06	
83-38	124.8	130.0	5.2	No significant assay	
83-39	170.0	176.4	6.4	0.06	
83-40	33.8	36.7	2.9	0.10	
83-41	54.8	62.0	7.2	0.07	
		72.1	73.0	0.9	0.18
83-42	62.9	66.5	3.6	0.21	
83-43	62.0	64.5	2.5	0.10	

SKETCH PLAN OF HEINO - MONEY ZONE

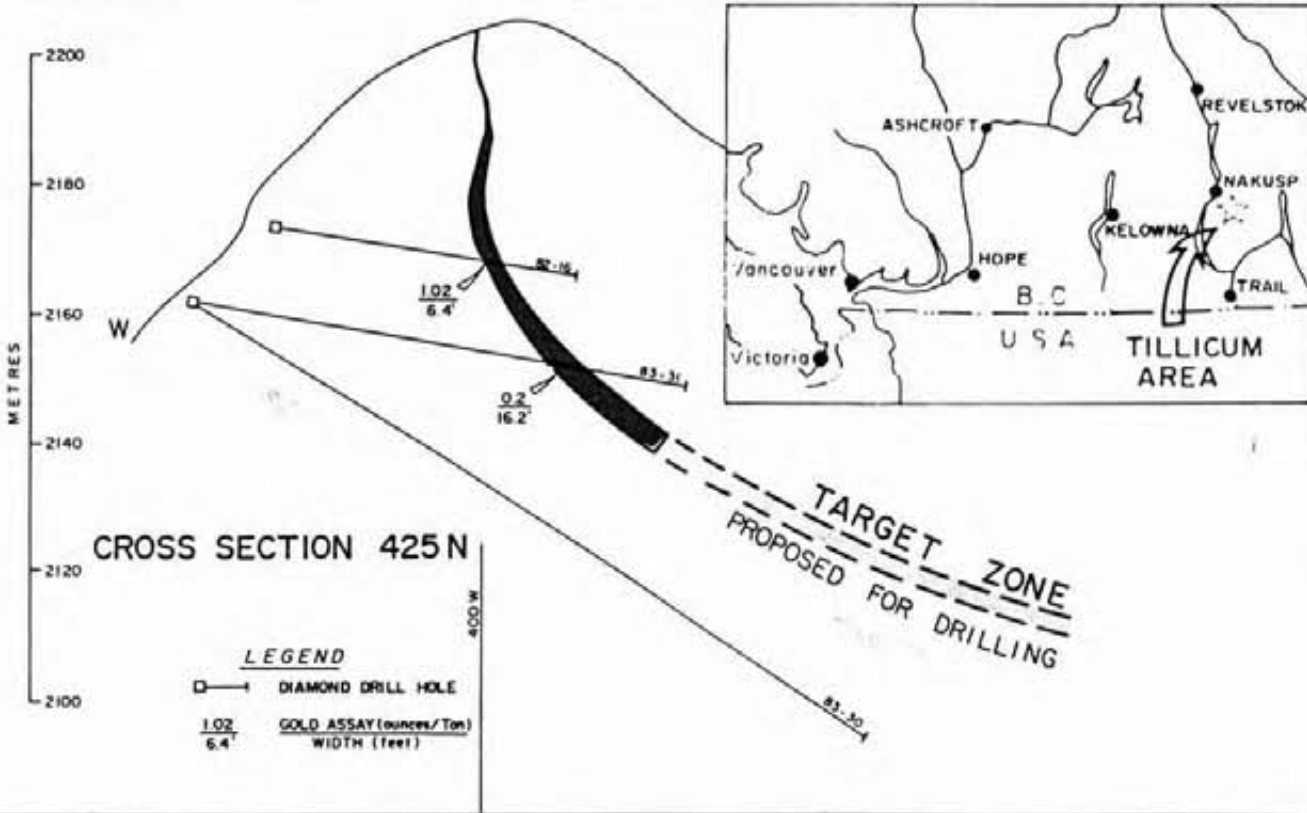
TILlicum GOLD PROPERTY
ESPERANZA - LA TEKO



BEST DRILL HOLE ASSAYS TO DATE:

HOLE NO.	WIDTH - feet	GOLD - oz / ton
82-1	11.2	1.10
82-2	10.5	0.63
82-6	15.8	1.18
82-7	23.2	0.25
82-8	13.5	0.28
82-9	7.0	0.24
82-16	6.4	1.02
82-26	6.5	0.26
82-27	9.0	0.21
82-31	16.2	0.20
includes	1.0	1.36
83-42	3.6	0.21

JULY 31, 1983







CROSS SECTION 425 N

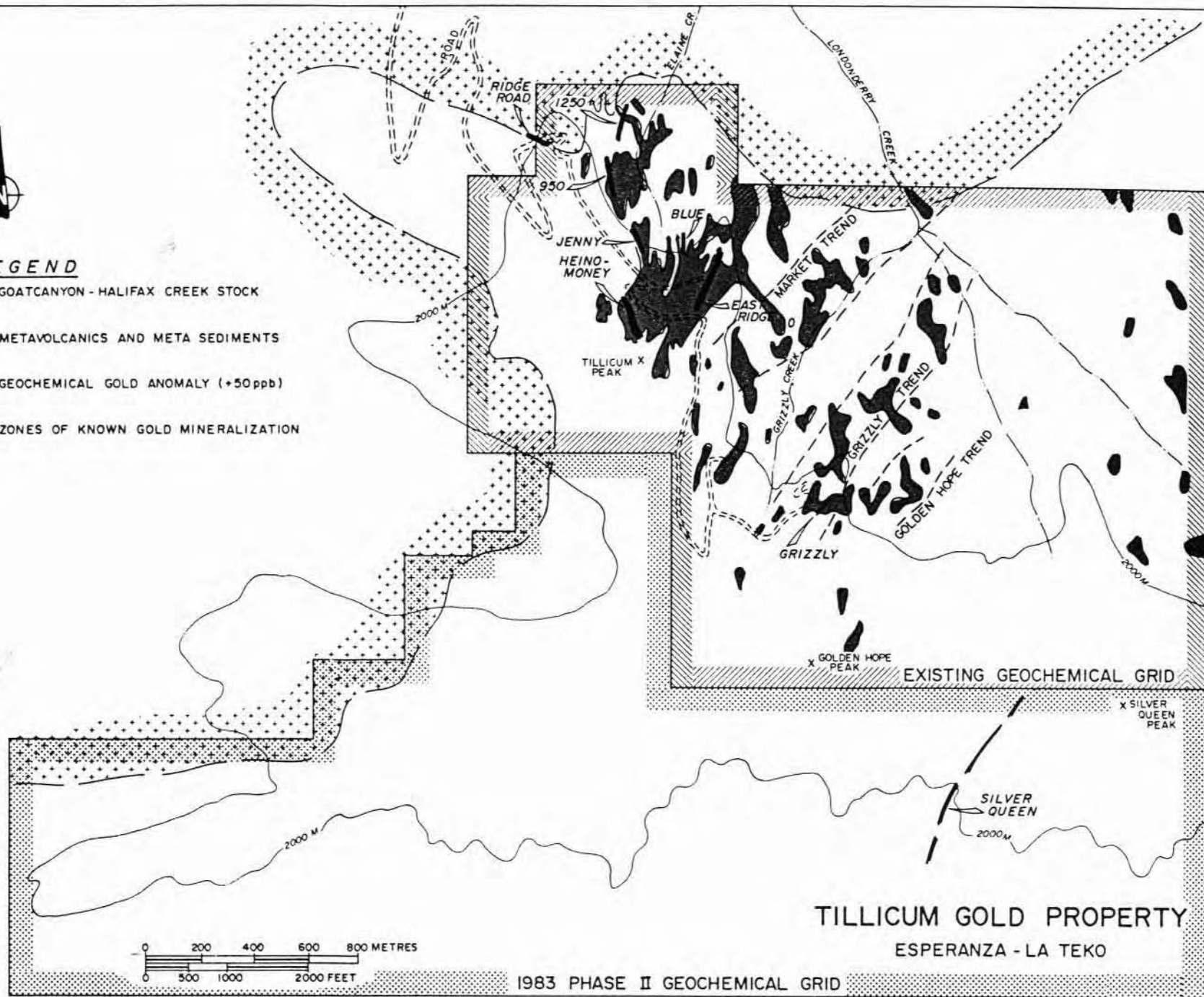
LEGEND

	DIAMOND DRILL HOLE
$\frac{1.02}{6.4}$	GOLD ASSAY (ounces/Ton) WIDTH (feet)



LEGEND

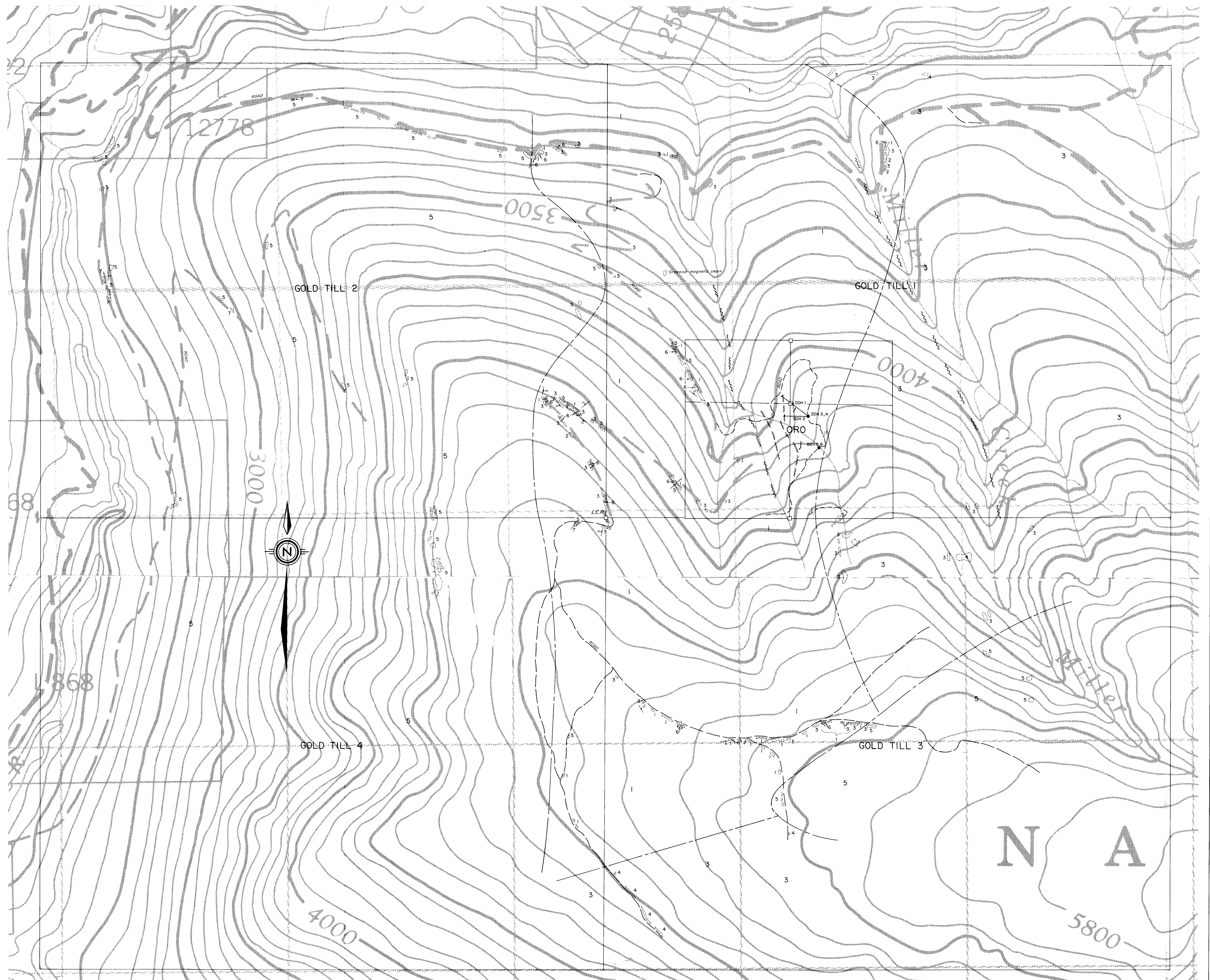
-  GOATCANYON - HALIFAX CREEK STOCK
-  METAVOLCANICS AND META SEDIMENTS
-  GEOCHEMICAL GOLD ANOMALY (+50 ppb)
-  ZONES OF KNOWN GOLD MINERALIZATION



TILlicum GOLD PROPERTY

ESPERANZA - LA TEK0

1983 PHASE II GEOCHEMICAL GRID



NT.S. 82 F.D., K.4

- 7 Lamprophyre dikes.
- 6 Felsite dikes: apfite, alaskite, pegmatite.
- LOWER CARIBOO CREEK STOCK
- 5 Biotite - hornblende quartz monzonite.
- GOAT CANYON CREEK STOCK
- 4 Granodiorite.
- 3 Diorite, quartz diorite.
- MILFORD GROUP
- 2 Silicified biotite - garnet hornfels.
- 1 Biotite metasilstone, siliceous biotite schist, minor amphibolite.

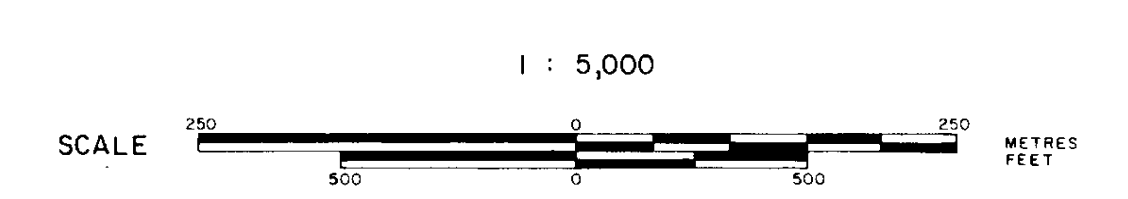
LEGEND

- DDH Collar.
- Outcrop
- Fault
- ~ Foliation; strike, dip angle.
- Geological contact; observed, inferred.
- Claim post, claim boundary.

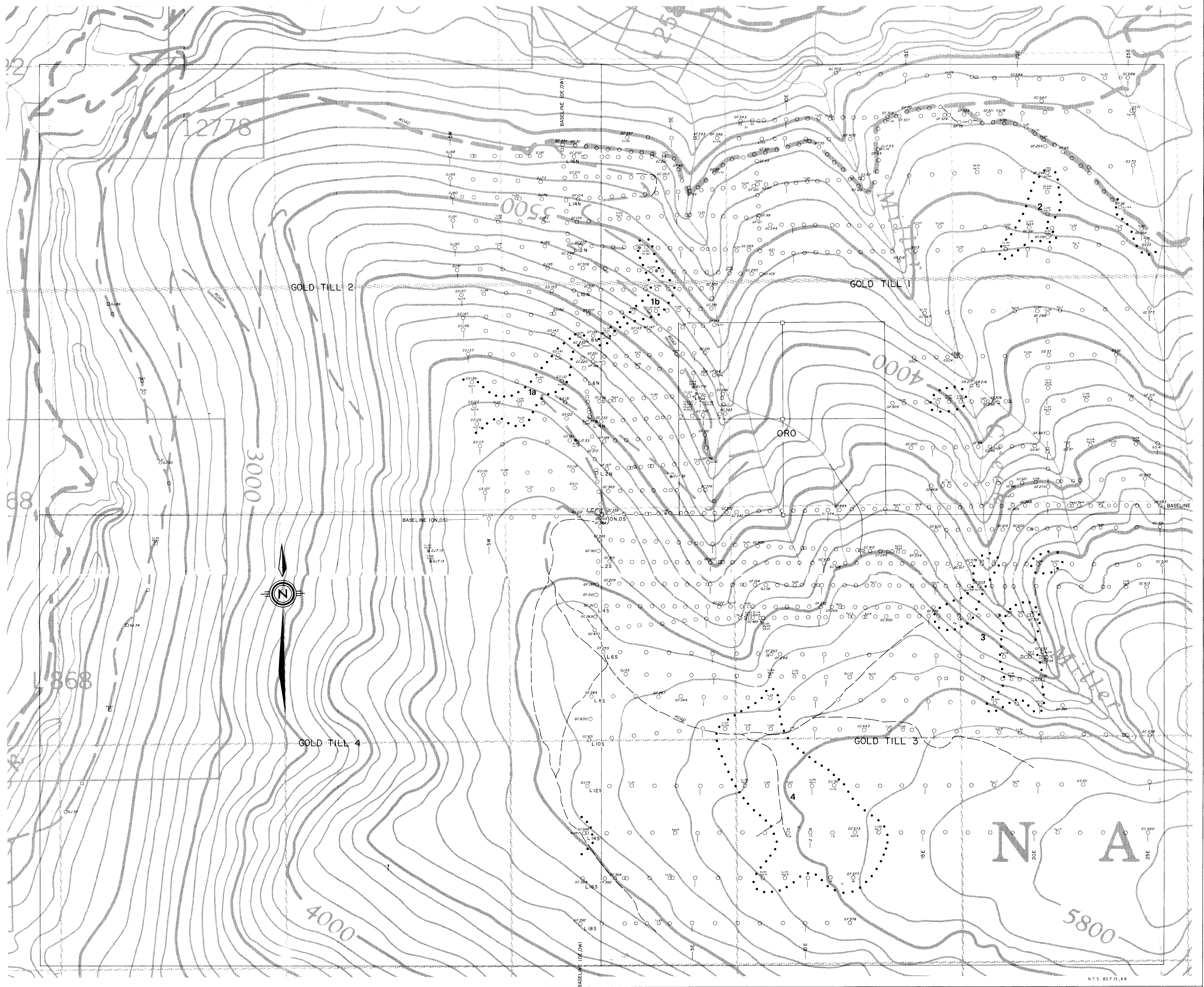
GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 ASSESSMENT REPORT
 11,823

CAMELBACK PETROLEUM CORPORATION
 GOLD TILL PROPERTY
 SLOCAN MINING DIVISION - BRITISH COLUMBIA

GEOLOGICAL MAP



Donald J. Allen
 exploration ltd.



N.T.S. 82 F13, K4

LEGEND

- Soil sample site, sample number, geochem. assay results.
- Silt sample site, sample number.
- Rock sample site, sample number.
- Road
- Claim boundary

Note: Geochemical assay values plotted where:
 ppm Cu ≥ 40,
 ppm Ag ≥ 0.8,
 ppm Zn ≥ 150,
 ppm Pb ≥ 20,
 ppb Au ≥ 20.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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CAMELBACK PETROLEUM CORPORATION
 GOLD TILL PROPERTY
 SLOCAN MINING DIVISION - BRITISH COLUMBIA

GEOCHEMICAL MAP

