83-#719 – 11773

11/84

~~DRILLING REPORT~~

ON THE

NOV 1, 2, 3 and Sun Fraction

RECORD NO.'S 1355, 1356, 1357 and 5106

CARIBOO MINING DIVISION

MAP NO. 93A/11W & 12E

LATITUDE 52o 38'
LONGITUDE 121° 30'

CLAIM OWNER - APEX ENERGY CORP.

Work Paid for by APEX ENERGY CORP.

GEOCHEMICAL REPORT

CONSULTANT: JOHN L. DELEEN, P. Eng.
and
R. A. HRKAC, Geologist

Assessment Recorded November 28, 1983

Report Submitted December 6, 1983

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FIGURES

INTRODUCTION

(ia) General

The Nov claims are located in the Quesnel Forks Placer District of British Columbia. The area lies between Latitudes 52° 30' and 52° 45', and Longitude 121° 30' and 122° 00'. The town of Likely, B.C. is located in the centre of the Quesnel Forks Placer District. The placer operations in the district are located within 16 kilometers of Likely. The Quesnel Forks Placer District is a plateau area that has a general relief of 600 to 1200 meters and is covered by a mantle of glacial debris. The outcrops are generally located on the banks of the river where active erosion is taking place. Approximately 95 percent of the district is covered by glacial debris.

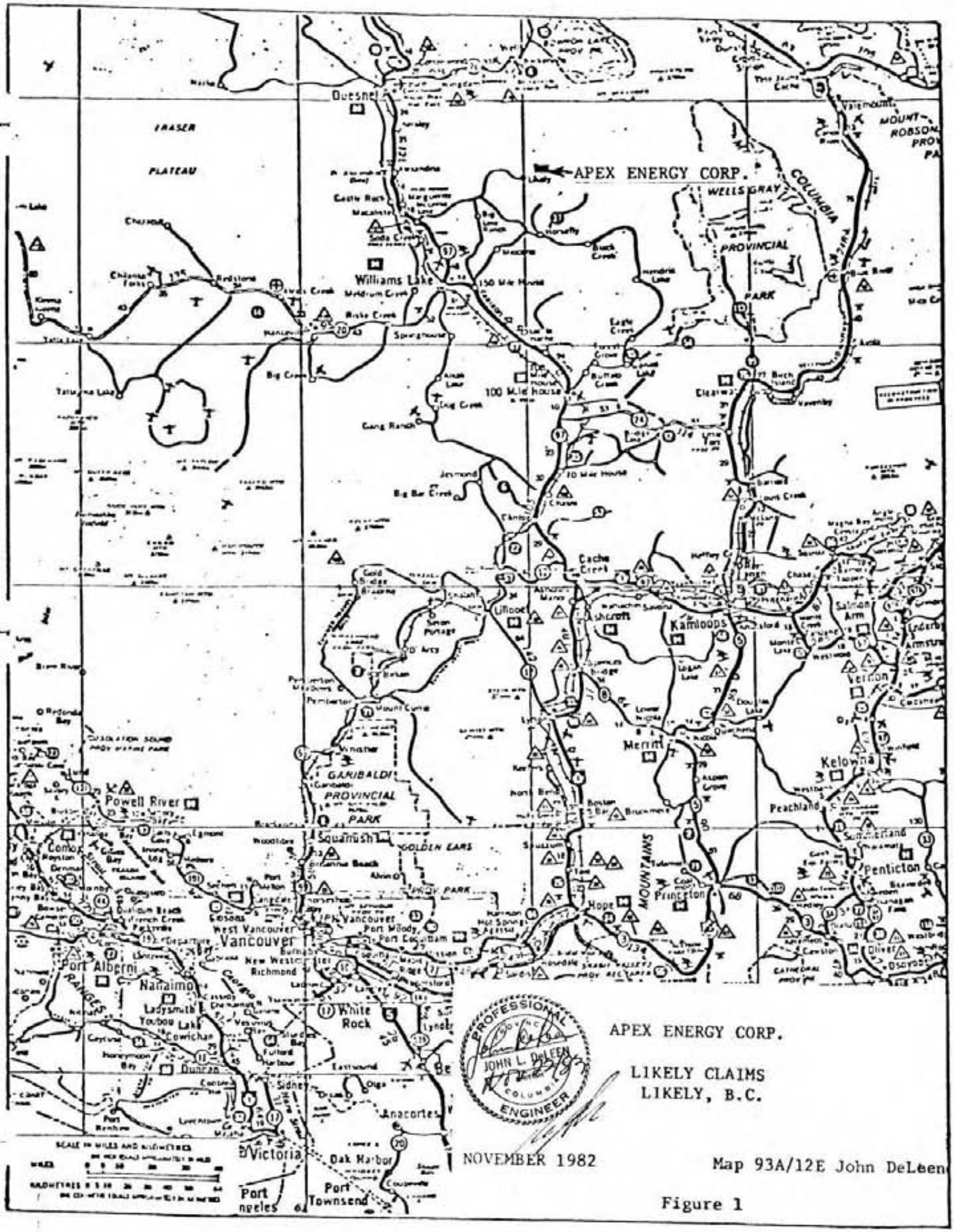
The Nov block of claims has been investigated by an aerial magnetometer and EM survey, one drill hole, DDG 82-1, several short tunnels and a geochemical survey. A large pit located on the Cariboo River, in the northern portion of the claim group, was mined for placer gold after 1852. The gold productions from this pit is unknown.

There is a scarcity of outcrops in the Likely area of British Columbia and the Nov claims have only a few outcrops along the banks of Spanish and Cariboo Rivers. The few veins that have been sampled have contained low gold values and it is believed that the weathering of these veins has produced the extensive placer gold deposits found in the Likely area.

The property was examined under the guidance of E. Angus on October 31, 1982. The core was brought to Vancouver and logged by R. Hrkac and J. DeLeen on November 22nd, 1982. The geochemical survey completed in 1983 was under the guidance of R. Hrkac. The data was reveiwed by J. DeLeen, P. Eng. in August and September 1983.

(ib) Location and Access

The property is located approximately 3 kilometers northeast of the town of Likely, B.C. (see Figure 1). The



APEX ENERGY CORP.

LIKELY CLAIMS
LIKELY, B.C.

NOVEMBER 1982

Map 93A/12E John DeLeen

Figure 1

claims cover both sides of the Cariboo River. However, most of the claims are located on the southern side of the river (Figure 2). The property is located in the Cariboo Mining Division of British Columbia at Latitude 52° 38' and Longitude 121° 30'.

The area is accessible from Highway 97 by a 75 km all-weather gravel road to Likely (Figure 1). All weather roads lead from Likely to the claim group and numerous logging roads provide access to the property. Since a portion of the claim group has been logged it is expected that some of the logging roads are not kept free of snow and would not be open during the winter months.

The elevation on the claims varies from approximately 1100 meters at the southern boundary of the claim group to 600 meters at the Cariboo River.

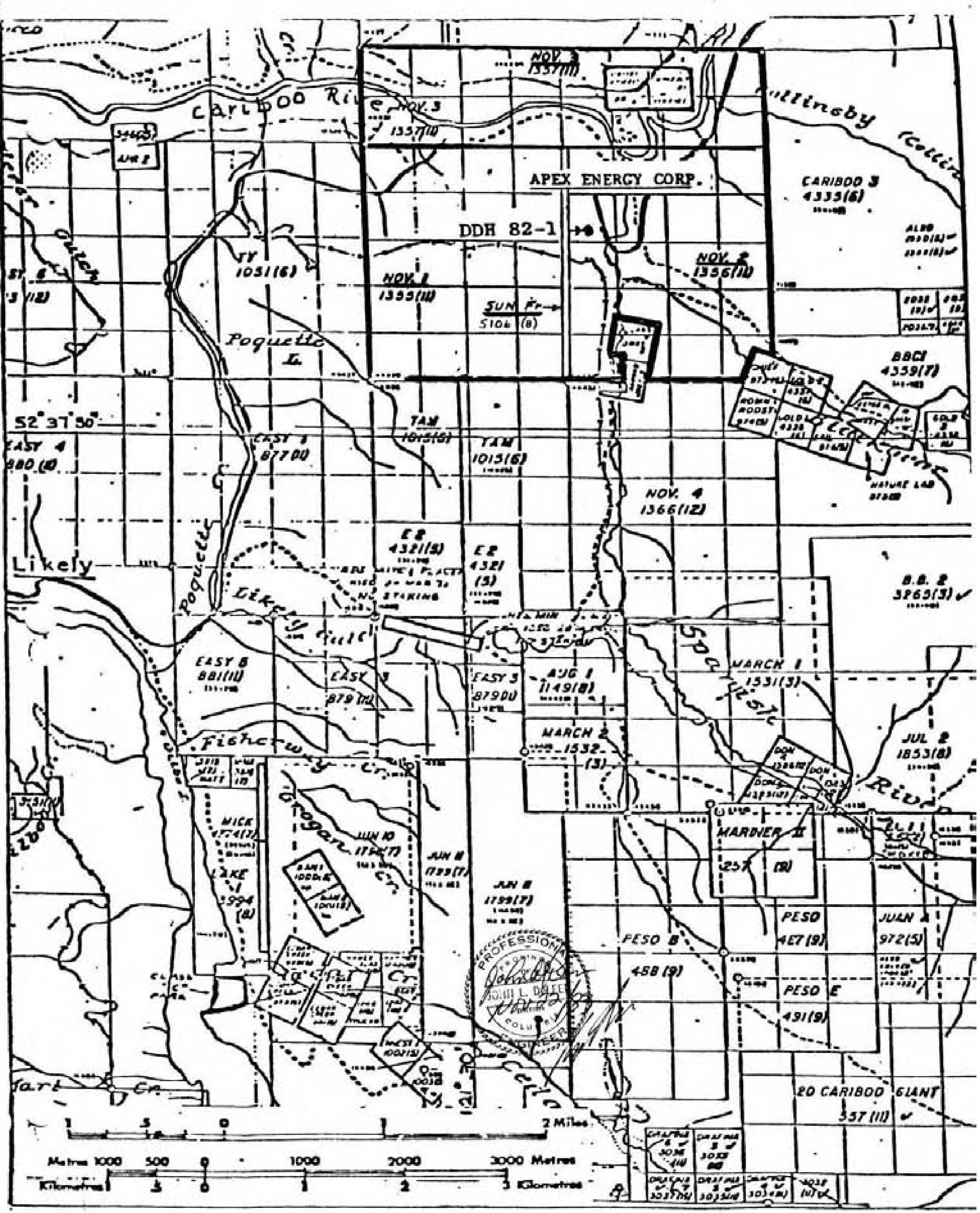
(iia) Claims and Claim Groups (See Figure 2)

The Nov claims consist of 3 claims, 57 units, as follows:

CLAIM	UNITS	TAG NO.	RECORD NO.	EXPIRY DATE
Nov 1	20	48429	1355	29 Nov/84
Nov 2	20	48430	1356	29 Nov/84
Nov 3	16	48431	1357	29 Nov/84
Sun Fr	1	78999	5106	25 Aug/85
	57			

The geochemical survey completed in 1983 was submitted to complete the assessment requirements.

The claims are presently held in the name of Apex Energy Corp.



Claims in the Likely Area, B.C.

Figure 2

(iib) History of Claim Group

The Nov claims cover an area that had been mined from 1859 to approximately 1939 for placer gold. Several small drifts were completed on quartz veins exposed in the banks of the Cariboo and Spanish Rivers. These veins carried values in gold; however, the gold content was not sufficient to warrant extensive underground exploration. The area of the Nov claims received little attention until the general interest for gold increased in mid 1970. They were staked in 1979 by William Grayson. A helicopter-magnetometer and electromagnetic survey were completed on the property in 1980 and a magnetic anomaly was found on the eastern side of the claim group. In 1982 a diamond drill hole, DDH 82-1, was completed on the Nov 2 claim. In July and August 1983 a geochemical survey, the subject of this report, was completed.

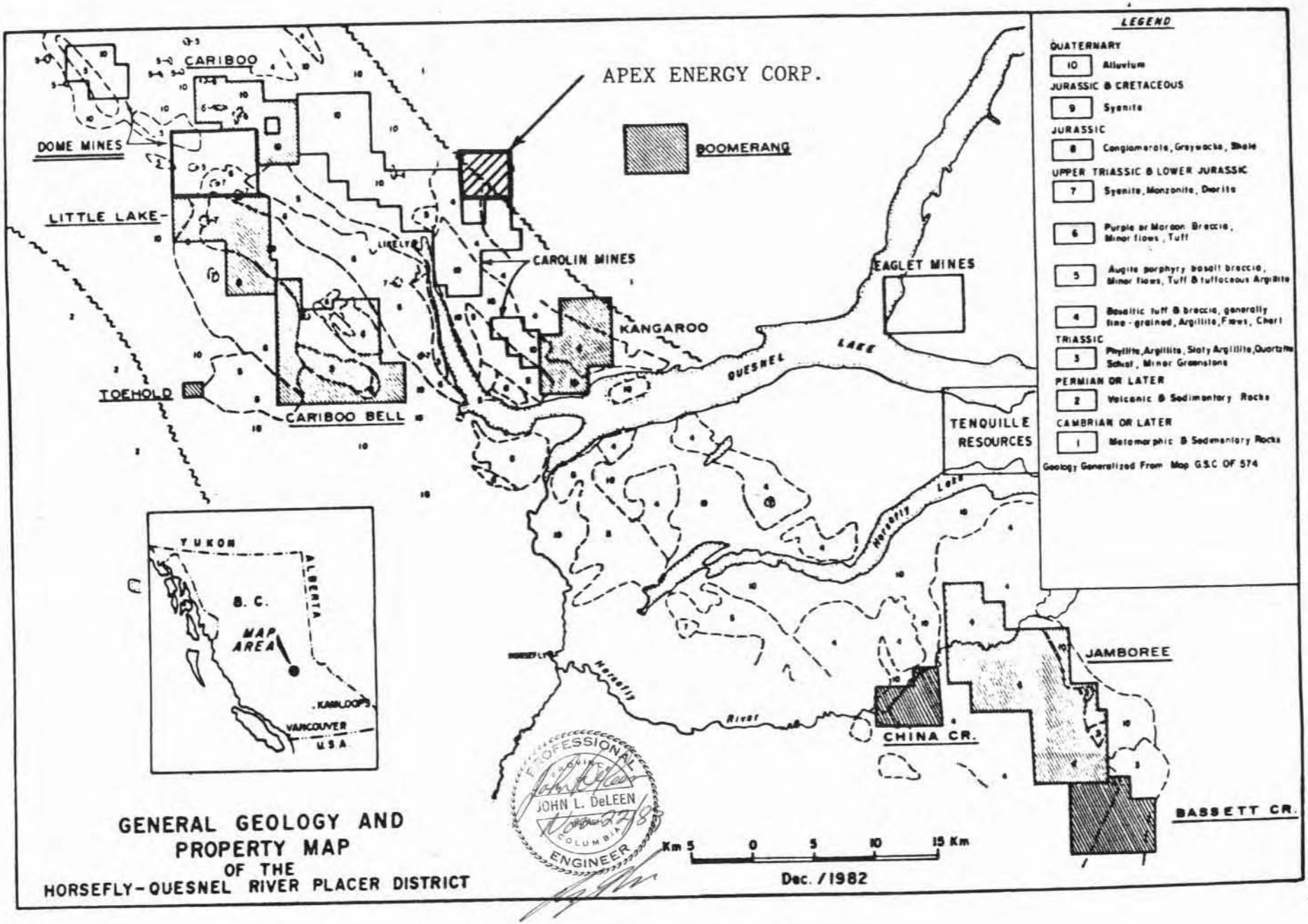
(iic) Economic Assessment

The only economic quantities of gold produced from the area of the Nov claims has come from Placer deposits, and the area has again been staked by Placer claims. The potential of the Nov claims for lode gold deposits is unknown as there has been less than 100 meters of drifting completed on the veins exposed in the river banks. The percentage of exposure on the Nov claims is less than 5 percent.

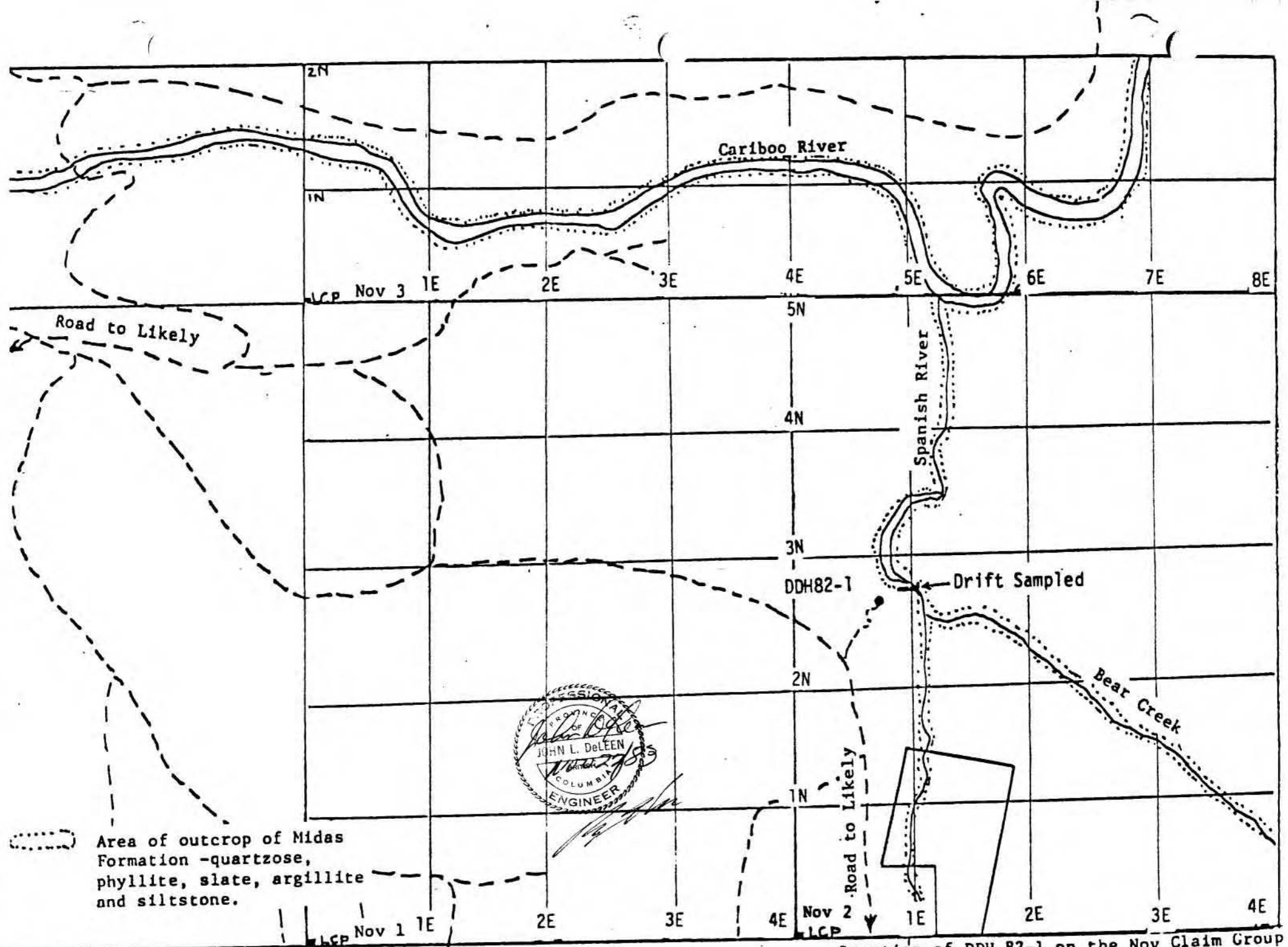
(iid) Geology

The rocks on the claim group, which are exposed in the banks of the Cariboo and Spanish Rivers, are a series of black, quartzose, phyllite, slate, argillite and siltstone of the Midas Formation (Figures 3 & 4).

A vein having a width of about 4 meters is located on the north bank of the Cariboo River, approximately one kilometer to the east of the bridge over the Cariboo River. A drift had been driven on the vein. A large oxidized vein


APEX ENERGY CORP.
BOOMERANG
CARIBOO
DOME MINES
LITTLE LAKE
CAROLIN MINES
KANGAROO
EAGLET MINES
TOEHOLD
CARIBOO BELL
TENQUILLE RESOURCES
QUESNEL LAKE
Horsefly Lake
JAMBOREE
CHINA CR.
BASSETT CR.
Horsefly River
YUKON
ALBERTA
B. C.
MAP AREA
KAMLOOPS
VANCOUVER
USA
LEGEND
QUATERNARY
10 Alluvium
JURASSIC & CRETACEOUS
9 Syenite
JURASSIC
8 Conglomerate, Greywacke, Shale
UPPER TRIASSIC & LOWER JURASSIC
7 Syenite, Monzonite, Diorite
6 Purple or Maroon Breccia, Minor flows, Tuff
5 Augite porphyry basalt breccia, Minor flows, Tuff & tuffaceous Argillite
4 Basaltic tuff & breccia, generally fine-grained, Argillite, Flows, Chert
TRIASSIC
3 Phyllite, Argillite, Slaty Argillite, Quartzite Schist, Minor Greenstone
PERMIAN OR LATER
2 Volcanic & Sedimentary Rocks
CAMBRIAN OR LATER
1 Metamorphic & Sedimentary Rocks
Geology Generalized From Map G.S.C OF 574
GENERAL GEOLOGY AND PROPERTY MAP OF THE HORSEFLY-QUESNEL RIVER PLACER DISTRICT
PROFESSIONAL ENGINEER JOHN L. DeLEEN COLUMBIA
Km 5 0 5 10 15 Km
Dec. / 1982

'Figure 3'



Location of DDH 82-1 on the Nov Claim Group

'Figure 4'

structure was noted on the southern side of the river, on the eastern margin of the large gravel pit.

Veins having a northwest trend and a low dip to the northeast, are exposed on the western bank of the Spanish River approximately 100 meters north of the junction of Spanish River and Black Bear Creek. The veins have a thickness that varies from a few millimeters to approximately 20 centimeters. The lengths of the veins are unknown. The thickness of the vein zone in the phyllites is unknown. However, flat lying veins were noted on the western bank of Spanish River for a distance of approximately 100 meters above the river. A drift was driven on one of these veins, and the samples taken from the drift contained gold values. In order to sample the flat-lying veins, drill hole 82-1 was completed.

(iiia) Geochemical Survey

In July and August, 1983 a geochemical survey was completed on the Nov claim group. The samples were collected at 25 meter spacings on grid lines which were spaced 200 meters apart. A total of 1610 samples were taken and assayed for gold and 535 samples were assayed for arsenic, silver and copper. The samples were collected from the "B" horizon by Amex Exploration Service of Kamloops, B.C. A total of 44.38 kilometers of grid lines were flagged. The sample locations were marked by a plastic marker.

(iiib) Samples

The samples were analysed by Acme Analytical Laboratories of Vancouver, B.C. The results of the analyses are contained in Appendix 'A' and the sample results are plotted on Figure 5. The method of sample preparation and analysis as supplied by Acme Analytical Laboratories is included in Appendix 'A'.

INTERPRETATION

The following values were considered to be anomalous:

1. gold in excess of 20 ppb
2. arsenic in excess of 25 ppm
3. silver in excess of 1.0 ppm
4. copper in excess of 60 ppm

Six areas are consider to be anomalous as noted on Figure 5 and 6. The areas were investigated in the field by R. Hrkac (see bibliography) during the period September 28 to October 1, 1983. The descriptions and conclusions on each of the areas, noted on Figure 6 by R. Hrkac, are listed below. The assay certificates of the check samples taken by R. Hrkac are listed in Appendix 'B'.

Area 1 - Ag-Cu Anomaly Southwest Quadrant of Nov 1 Mineral Claim

Location and Access:

The anomaly extends from L 2+00 S to L 4+00 N and has a maximum width on L 2+00 N extending from sta 12+00 W to sta 15+75 W.

A good logging road provides access along the southern boundary of the anomaly and an old logging road in only fair condition leads to sta 15+00 W on L 0+00.

Ground Conditions and Topography:

The south and southwest edge of the anomaly lies within a logged area covered with thick scrub. Intermittent swampy ground and small creeks occur in this area.

The larger portion of the anomaly lies within a cedar and spruce forest with tree heights to 15 m.

Geology:

No outcrop was found in the area. Angular float, of andesite, tuff, diorite and a metamorphic rock consisting of talc and siderite, is common and may indicate that the

area is underlain by the volcanic and diorite suite of rocks common to the Likely area. No sulphides were found in the float in the anomalous area.

Geochemical Anomaly:

Within the Ag-Cu anomaly all but one of the samples assayed for Ag and Cu were anomalous for these elements. The Ag-Cu anomaly lies within an envelope of sparadic anomalous Ag value extending to the north and northeast.

During the field examination no explanation for the anomalous values was found.

Conclusion:

The consistency of the Ag-Cu values indicate that the anomaly warrants additional exploration.

Recommendation:

An exploration program to locate and sample bedrock in the area of anomaly is recommended. Two approaches may be considered.

A. Trenching by Backhoe

B. Percussion or Diamond Drilling

10 to 20 holes, 30 or 15 meters deep, total of 300 meters.

Area 2 - Ag Anomaly & Au Anomaly Central Area of Nov 1 Mineral Claim

Discussion:

The anomaly is located on L 2+00 N and L 4+00 N and on the Base Line and lies between the Base Line and the Main Road through the Nov 1 mineral claim.

The area is heavily forested with Vancouver Island type vegetation. The samples were taken in black organic soil and may be enriched rather than reflecting economic sub-surface values. The area could be retested by use of an auger to sample the B horizon, or a backhoe trench could be attempted near the main road.

Area 3 - Au-As-Cu Anomaly Southwest Quadrant of Nov 2 Mineral Claim

Discussion:

Sporadic outcrops indicate that the area is underlain by Triassic argillaceous phyllite. These rocks contain numerous erratic quartz veins, lenses and pods that may carry sulphides of lead, zinc and copper with gold and silver values.

Two samples were taken from outcrops in this area, sample no. 058102 consisted of selected quartz from a phyllite outcrop at sta 11+25 S on the base line, and sample no. 058103 consisted of a chip sample over 1.5 m from a phyllite outcrop 60 m north of sta 4+50 W on Line 14 S. Both samples contained trace values in precious metals.

The quartz seen in this host rock is seldom more than a few centimetres in width and only persist for a metre or two along strike. No sulphides were seen.

The anomalous geochemical values are spread over a wide area. If they reflect individual mineralized quartz seams then the exploration target would require sufficient mineralized seams to support a mining operation based on a sorting system.

Exploration would require detailed geochemical soil sampling followed by large scale trenching and sampling. Without a more specific target the exploration expense may not be justified.

Area 4 - Au-Ag-As Anomaly Line 'NE' Northeast Quadrant of Nov 2 Mineral Claim

Access:

Approximately 100 metres east of the Spanish Creek bridge an overgrown logging road, partly washed out, leads to station 0+00 on Line NE. The road would require a bulldozer to clear it out and fill in the washed out area to provide 4 x 4 access to the area.

Ground Conditions and Topography:

The Line follows a contour along a moderately steep northwest sloping hillside. The area is well forested with cedar and fir up to 1 metre in diameter. No outcrop was seen in the area, the soil holes exposed a well developed brown-red sandy B horizon. At the northeast portion of the line phyllite float was seen in several of the soil holes.

Discussion:

From sta 0+00 to sta 9+00 E, eleven samples returned anomalous values in Au, As or Ag, all from a well developed B horizon, anomalous values also occur at sta 12 13+75 and 15+00 E where the soils contain phyllite float.(*) The area as mapped by the G.S.C. places the area within the Triassic phyllite rock group. Outcrops along Spanish Creek and on the road to Collins Creek support this interpretation. However the airborne magnetometer survey conducted by Apex Energy Corp. in 1981 shows two magnetic high areas at and NE of the end of the Line 'NE'. A comparison with the topographic contours indicate that the magnetics may be reflecting topography but the discrete closed round magnetic contours may be interpreted as due to an intrusive source. As mineralization in the Likely area is nost often associated with magnetite rich intrusives the later interpretation would add significance to the geochemical anomalies.

(*) Assays are in Appendix 'B'.

Field traverses in the area of the magnetic anomalies to locate possible intrusive outcops are recommended prior to further consideration of the anomalies on L 'NE'.

Area 5 - Au Anomaly Northeast Corner of Nov 1, Northwest Corner of Nov 2, and South Central Area of Nov 3

Access:

Logging roads provide access to the central and northern areas of the anomaly.

Ground Conditions and Topography:

The southern and western portions of the area are in logged terrain covered with moderate to thick scrub brush. The northeast and eastern portions are covered by moderately open forest.

A high gravel terrace to the southwest is separated from a lower gravel terrace to the northeast by a steep 30 m high gravel bank. The terraces are aligned northwesterly and are relatively flat.

Geology:

Argillaceous phyllite outcrops along the road between L 0+00 and L 2+00 N at 15+50 E, and is exposed in the active placer operation between L 2+00 N and L 4+00 N at 12+00 E to 13+00 E.

At co-ordinates 3+50 N, 13+00 E a massive quartz outcrop occurs over an area 1.5 m x 1 m. (Figure 6). A watchman at the placer operation noted that the quartz extended for approximately 20 m in a N 40° E direction. The vein had a width of 1.5 m and is now partially buried by the waste from the placer operations. The quartz contains pyrite cubes and numerous limonite seams. Sample 058101 was chipped across 1.5 m of the quartz, and returned Au 0.001 oz/ton and Ag 0.01 oz/ton.

Conclusion:

The area is characterized by present and past placer diggings in river gravels. All the anomalous gold values are thus suspect due to the presence of placer gold in the gravels.

Recommendations:

The quartz vein should be re-examined and if possible opened up along strike and systematically sampled.

Area 6 - Au Anomaly Line 'N' Northwest Quadrant of Nov 3 Mineral Claim

Discussion:

The line lies along a series of gravel terraces 30 to 60 m above the Cariboo River. Past and present placer workings dot the area and the high gold values are almost certainly due to placer gold.
No further work is warranted.

SUMMARY

Additional geochemical surveys followed by a precussion drilling program are warranted on Areas 1 to 4 inclusive.

R. A. Hrkac,
Geologist

John DeLeen,
P. Eng.

November 22nd, 1983

STATEMENT OF COSTS

Amex Exploration Services Ltd.

Prepare 44.38 kilometers of grid and collect 1610 samples on grid lines @ 25 meter spacings. Cost per sample @ $9.87/sample. Work completed during period July 31 to August 23, 1983.	$ 15,886.26

Acme Analytical Laboratories

1610 soil samples for geochem. Au @ $5/sample	8,050.00
535 soil samples for geochem. Cu, As & Ag @ $4/sample	2,140.00
8 soil samples for geochem. Cu, Au & Ag @ $8.25/sample	66.00
6 silt samples for geochem. Cu, Au & Ag @ $8.25/sample	49.50
3 soil samples for geochem. Ag & Au	37.50
Drafting: M. Kusnezou 27 hrs. @ $20/hr. (Sept.20/83)	540.00
M. Kusnezou (Nov.24/83)	70.00
Map Reproduction: 11.38, 18.38, 18.13 & 58.50	106.39

Consulting Fees:

A. For Grid Layout:	
R.A. Hrkac, Geologist - 1 day @ $275.00/day (July 15/83)	275.00
Field expenses and travel	145.79
B. R.A. Hrkac, Geologist	
Field checking geochemical anomalies 4 days in field (Sept.28 to Oct.1/83) and 1 day in office (Oct.9) @ $275/day	1,375.00
Field expenses	401.00
C. J. DeLeen, Geologist	
Examine geochemical data:	
11¼ hrs. @ $50/hr. - Aug. 30 & Sept.1/83	562.50
Complete Assessment Report 10 hrs. @ $50/hr. (Nov. 22/83)	500.00
	$ 30,204.94

STATEMENT OF QUALIFICATIONS

NAME: R. A. HRKAC
4748 Fernglen Crescent
Burnaby, B.C.

EDUCATION: Completed all requirements except a second year language in a majors program in Geology and Economics at the University of British Columbia in 1960.

EXPERIENCE:

1955-1960	Summer programs as a prospector, geologist's assistant and geophysicist's assistant.
1960	Geologist with Newmont Mining Corp.
1961-1962	Geologist with Granby Mining Company Ltd.
1962-1966	Geologist with Bralorne Pioneer Mines Ltd.
1966-1972	Geologist with Pine Lake Mining Company Ltd.
1972 to present	Geologist - self-employed

R. A. Hrkac

DELEEN CONSULTING GEOLOGISTS LTD.

1015 - 837 W. HASTINGS STREET
VANCOUVER, B.C. CANADA V6C 1C4

TELEPHONE (604) 685-5533

CERTIFICATE

I, John L. DeLeen, of the City of Vancouver, in the Province of British Columbia, hereby certify the following:

1. I am a geological and Mining Engineer with an office at 1015 - 837 West Hastings Street, Vancouver, B.C.

2. I am a graduate of the University of British Columbia with a B.A.Sc., (1943) and M.A.Sc., (1946) degree in Geological Engineering. In 1950 I obtained the degree of Mining Engineer from the University of California.

3. I have practised my profession since 1946.

4. I am a member of the Association of Professional Engineers of British Columbia.

5. I have no interest, direct or indirect, in the Apex Energy Corp., nor do I expect to receive any such interest in the future.

6. This report is based upon personal examination of the property on October 31, 1982 and upon the examination of the geochemical data in 1983.

DATED at Vancouver, B.C. this 22nd day of November 1983.

John L. DeLeen, P. Eng.

John DeLeen

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
JOHN L. DeLEEN

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APPENDIX 'A'

Method of Preparation and Analysis of Samples - by Acme Analytical Laboratories and Results of Analyses Completed on the Soil Samples from the Nov Claims.

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone : 253 - 3158

GEOCHEMICAL LABORATORY METHODOLOGY - 1983

Sample Preparation

1. Soil samples are dried at 60°C and sieved to -80 mesh.
2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis ICP

0.5 gram samples are digested in hot dilute aqua regia in a boiling water bath and diluted to 10 ml with demineralized water. Extracted metals are determined by Industively Coupled Argon Plasma (ICP).

Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cu, Cr, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Geochemical Analysis for Au

10.0 gram samples that have been ignited overnite at 600°C are digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit = 5 ppb direct AA and 1 ppb grahite AA.)

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED AUG 22 1983

DATE REPORTS MAILED Aug 27/83

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca,P,Mg,Al,Ti,La,Na,K,W,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppm.
SAMPLE TYPE - PULP

ASSAYER _____ DEAN TOYE, CERTIFIED B.C. ASSAYER

APEX ENERGY FILE # 83-1771A PAGE# 1

SAMPLE	CU ppm	AG ppm	AS ppm
20N 0+50W	15	.3	5
20N 0+50E	46	1.2	[illegible]
18N 2+25W	60	.9	11
18N 1+50W	35	.2	11
18N 0+75W	40	.7	[illegible]
18N 0+50W	20	.[illegible]	4
16N 4+25W	19	1.[illegible]	[illegible]
16N 3+50W	29	.6	14
16N 2+75W	38	1.0	[illegible]
16N 2W	52	.[illegible]	[illegible]
16N 1+25W	23	.1	6
16N 0+50W	44	.4	[illegible]
16N 0+50E	11	.1	[illegible]
16N 1+75E	18	.[illegible]	10
14N 5+75W	12	.4	[illegible]
14N 5W	19	.[illegible]	[illegible]
14N 4+25W	17	.[illegible]	[illegible]
14N 3+50W	24	.[illegible]	8
14N 2+75W	37	.[illegible]	11
14N 2W	18	1.6	[illegible]
14N 1W	[illegible]	.5	[illegible]
14N 0+25W	25	.6	[illegible]
14N 0+75E	41	.7	[illegible]
14N 1+50E	25	1.0	[illegible]
14N 2+25E	17	.6	[illegible]
14N 3E	20	.[illegible]	[illegible]
12N 8W	17	.[illegible]	14
12N 7+25W	16	.[illegible]	[illegible]
12N 6+50W	10	.1	4
12N 5+75W	6	.1	14
12N 5+25W	[illegible]	.1	10
12N 4+50W	16	1.1	[illegible]
12N 3+75W	17	.[illegible]	[illegible]
12N 3W	26	.[illegible]	11
12N 2+25W	[illegible]	.1	[illegible]
12N 1+50W	28	.[illegible]	14
STD A-1	30	.3	10

SAMPLE	CU ppm	AG ppm	AS ppm
12N 0+75W	21	.8	6
12N 0+25E	9	.1	[illegible]
12N 1E	[illegible]	.1	[illegible]
12N 1+75E	[illegible]	.1	[illegible]
12N 2+50E	26	.2	9
12N 3+25E	21	.2	7
12N 4E	25	.2	8
12N 4+75E	27	.2	11
10N 10+25W	53	.1	32
10N 9+50W	31	.1	20
10N 8+75W	18	.1	10
10N 8W	22	.1	10
10N 7+25W	9	.1	6
10N 6+50W	15	.2	10
10N 5+75W	19	.1	7
10N 4+75W	23	.1	12
10N 4W	5	.1	6
10N 3+25W	12	.2	5
10N 2+50W	5	.1	6
10N 1+75W	7	.1	7
10N 1W	8	.1	6
10N 0+25W	42	.8	12
10N 0+75E	62	.7	11
10N 1+50E	22	.1	7
10N 2+25E	24	.2	11
10N 3+25E	29	.2	11
10N 4E	11	.1	7
10N 4+50AE	25	.1	15
10N 5+25E	4	.2	9
10N 6E	30	.1	8
10N 6+75E	26	.1	10
10N 7+50E	8	.4	8
10N 8+25E	37	.6	13
8N 8+75W	25	.1	12
8N 8W	38	.6	12
8N 7+25W	58	2.2	19
8N 6+50W	16	.2	6
8N 5+75W	6	.2	8
STD A-1	30	.9	9

SAMPLE	CU ppm	AG ppm	AS ppm
8N 5W	17	.2	14
8N 4+25W	89	3.0	[illegible]
8N 3+50W	11	.1	[illegible]
8N 2+75W	26	.9	9
8N 2W	21	.4	12
8N 1+25W	11	.1	6
8N 0+50W	100	.3	2
8N 0+50E	21	.1	4
8N 1+25E	17	.1	9
8N 2+25E	45	.1	18
8N 3E	9	.1	5
8N 3+75E	12	.1	[illegible]
8N 4+50E	28	.4	14
8N 5+25E	17	1.0	11
8N 6E	35	.4	19
8N 6+75E	5	.1	[illegible]
8N 7+50E	14	.3	9
8N 8+25E	22	2.1	13
8N 9E	34	.1	16
8N 9+75E	4	.1	2
8N 10+50E	38	.1	14
8N 11+25E	23	1.7	7
8N 12E	20	.4	4
6N 14W	69	.5	13
6N 13+25W	61	.4	25
6N 12+50W	41	.5	26
6N 11+75W	73	1.2	32
6N 11W	43	.1	14
6N 10+25W	9	.1	7
6N 9+50W	28	.1	12
6N 8+75W	22	.4	12
6N 8W	54	.9	14
6N 7+25W	25	.1	17
6N 6+50W	11	.1	9
6N 5+75W	24	.1	15
6N 4+75W	35	.1	14
6N 4W	30	.2	12
STD A-1	30	.7	6

SAMPLE	CU ppm	AG ppm	AS ppm
6N 3+25W	11	.1	8
6N 2+50W	43	.3	15
6N 1+75W	18	.7	11
6N 1W	43	.5	13
6N 0+25W	21	.1	14
6N 0+25E	11	.1	7
6N 1E	22	.4	13
6N 1+75E	32	.9	22
6N 2+50E	19	.2	12
6N 3+25E	43	.6	16
6N 4E	120	2.2	10
6N 4+75E	14	.4	2
6N 5+50E	58	1.0	16
6N 6+50E	12	.8	5
6N 7+25E	16	.4	18
6N 8E	7	1.2	7
6N 9E	39	1.1	18
6N 9+75E	33	.7	16
6N 10+50E	8	.3	2
6N 11+25E	73	1.7	47
6N 12E	48	.2	17
6N 12+75E	2	.1	3
6N 13+50E	16	.2	2
6N 14+25E	11	.1	7
4N 14+75W	90	.9	4
4N 8W	48	.8	20
4N 7+25W	44	.3	25
4N 6+50W	14	.4	8
4N 5+75W	12	.2	7
4N 5W	31	.9	15
4N 4+25W	26	.2	21
4N 3+50W	29	.5	19
4N 2+75W	30	.4	14
4N 2W	85	2.1	17
4N 1+25W	41	.8	21
4N 0+50W	16	.4	9
STD A-1	30	.7	9

SAMPLE	CU ppm	AG ppm	AS ppm
4N 0+50E	6	.1	4
4N 1+25E	21	.2	16
4N 2E	7	.3	3
4N 2+75E	19	.3	12
4N 3+50E	21	.1	10
4N 4+25E	15	.2	13
4N 5E	44	.7	16
4N 5+75E	24	.4	9
4N 6+50E	39	.7	7
4N 7+25E	81	.7	22
4N 8E	44	1.0	11
4N 8+75E	41	.3	15
4N 9+50E	40	.2	13
4N 10+25E	19	.7	12
4N 11E	17	.1	12
4N 11+75E	28	.5	22
4N 12A	21	.5	7
4N 12+50E	3	.1	5
4N 13E	41	.1	8
4N 13+75E	8	.7	8
4N 14+50E	3	.1	7
4N 15+50E	12	.4	4
4N 16+13E	26	.1	36
2N 16+50W	11	.1	85
2N 15+75W	95	1.5	26
2N 15W	56	.6	6
2N 14+25W	81	.9	6
2N 13+50W	109	1.4	7
2N 12+75W	86	1.0	19
2N 12W	197	1.3	72
2N 11+25W	22	.4	8
2N 10+50W	67	1.2	14
2N 9+75W	61	1.0	12
2N 9W	33	.5	11
2N 8+25W	20	.1	9
2N 7+50W	3	.2	5
2N 6+75W	25	.1	14
2N 6W	17	.2	11
STD A-1	29	.3	10

SAMPLE	CU ppm	AG ppm	AS ppm
2N 5+25W	16	.1	4
2N 4+50W	47	.3	21
2N 3+75W	24	.1	14
2N 3W	31	.1	17
2N 2+25W	20	.1	11
2N 1+50W	24	.3	6
2N 0+75W	42	.3	19
2N 0+25E	13	.4	2
2N 1E	29	.4	6
2N 1+75E	19	.1	6
2N 2+50E	25	.7	10
2N 3+25E	28	.1	17
2N 4E	52	.7	6
2N 4+75E	23	.1	11
2N 5+50E	29	.4	24
2N 6+25E	29	.7	10
2N 7E	96	2.3	11
2N 7+75E	19	.1	10
2N 8+50E	19	.4	5
2N 9+25E	17	.1	7
2N 10E	35	.6	40
2N 10+75E	49	.2	29
2N 11+50E	34	.2	19
2N 12+25E	16	.7	5
2N 13E	29	.9	14
2N 13+75E	22	.5	27
2N 14+50E	14	.3	10
2N 15+25E	26	.1	9
2N 16E	7	.1	6
ON 19W	23	.1	20
ON 18+25W	22	.2	14
ON 17+25W	44	.1	27
ON 16+50W	44	.8	33
ON 15+75W	63	.2	45
ON 15W	142	1.8	47
ON 14+25W	184	2.7	18
ON 13+50W	113	2.2	10
STD A-1	29	.7	11

SAMPLE	CU ppm	AG ppm	AS ppm
ON 12+75W	14	.1	23
ON 12W	77	1.6	19
ON 11+25W	50	1.0	19
ON 10+50W	37	.6	13
ON 9+75W	66	1.0	2
ON 9W	37	1.1	6
ON 8+25W	30	1.1	10
ON 7+50W	14	.7	3
ON 6+75W	32	.3	19
ON 6W	65	.6	27
ON 5+25W	10	.5	8
ON 4+50W	18	.2	12
ON 3+75W	16	.3	6
ON 3W	43	1.2	14
ON 2+25W	7	.5	2
ON 1+50W	3	.4	3
ON 0+75W	15	.9	2
ON 0+50E	33	.2	17
ON 1+75E	29	.1	17
ON 2+50E	49	1.1	46
ON 3+25E	19	.9	9
ON 4E	36	.5	20
ON 5E	46	1.1	4
ON 6E	38	1.0	17
ON 7+25E	49	3.5	8
ON 9E	28	.9	18
ON 10E	31	1.2	32
ON 10+75E	76	.8	77
ON 11+50E	46	.5	26
ON 12+25E	35	.6	20
ON 13E	30	.1	27
ON 13+75E	18	.7	17
ON 14+50E	50	.8	60
ON 15+25E	36	1.0	15
2S 17+25W	30	.7	34
2S 16+50W	19	.7	18
2S 15+75W	44	.2	40
2S 14+75W	18	.5	4
STD A-1	30	.9	9

SAMPLE	CU ppm	AG ppm	AS ppm
2S 14W	105	1.0	72
2S 13+25W	49	.5	31
2S 12+50W	9	.1	3
2S 11+75W	37	.6	14
2S 11W	13	.4	5
2S 10W	12	.2	3
2S 9+25W	24	.1	13
2S 8+50W	52	1.5	3
2S 7+75W	16	.6	2
2S 7W	62	.9	4
2S 6+25W	55	1.6	5
2S 5+50W	76	2.7	14
2S 4+75W	43	.5	13
2S 4W	44	.9	19
2S 3+25W	28	.6	18
2S 2+50W	48	.9	13
2S 1+75W	37	.2	11
2S 1W	24	.4	12
2S 0+25W	21	.6	9
2S 1E	26	.4	8
2S 1+75E	49	.2	22
2S 2+50E	19	.1	11
2S 3+25E	18	.6	2
2S 4E	111	2.0	24
2S 4+75E	8	.1	4
2S 5+50E	31	.9	17
2S 6+25E	43	.6	23
2S 7E	15	.5	8
2S 7+75E	13	.7	18
2S 8+50E	8	.1	14
2S 9+25E	3	.2	6
2S 10E	76	.9	66
2S 10+75E	15	.2	7
2S 11+50E	46	.1	33
2S 12+25E	8	.1	8
2S 13E	13	.3	21
STD A-1	29	.3	10

SAMPLE	CU ppm	AG ppm	AS ppm
4S 15+50W	34	.6	36
4S 14+75W	34	.9	40
4S 13+25W	60	.1	38
4S 12+25W	43	.1	18
4S 11+50W	36	.6	19
4S 10+75W	12	.5	7
4S 10W	30	1.2	4
4S 9+25W	41	1.0	21
4S 8+25W	139	1.4	23
4S 7+50W	32	.3	11
4S 6+25W	37	.5	22
4S 5+25W	47	1.1	21
4S 4+50W	115	3.0	133
4S 3+75W	54	.3	24
4S 3W	25	.2	13
4S 2+25W	22	.6	13
4S 1W	20	.4	12
4S 1+25E	23	.2	10
4S 2+25E	38	.4	16
4S 3E	44	.9	25
4S 3+75E	27	.4	13
4S 4+50E	25	1.3	14
4S 5+25E	43	1.8	19
4S 6E	30	.1	17
4S 6+75E	8	.2	6
4S 7+50E	9	.5	7
4S 8+25E	17	.6	15
4S 9E	14	.3	27
4S 9+75E	16	.4	19
4S 10+25EA	62	.2	37
6S 13+25W	23	.4	8
6S 12+25W	39	.4	13
6S 11+50W	54	.1	22
6S 10+75W	35	.2	19
6S 9+50W	10	.3	4
6S 8+75W	49	1.0	30
6S BW	40	1.0	27
STD A-1	30	.3	9

SAMPLE	CU ppm	AG ppm	AS ppm
6S 7+25W	23	.2	14
6S 6+50W	54	.3	33
6S 5+75W	17	.3	9
6S 5W	30	.1	14
6S 3+50W	42	.3	25
6S 2+75W	122	1.1	70
6S 2W	15	.6	2
6S 1+25W	42	.2	21
6S 0+50W	21	.2	8
6S 0+50E	25	.6	11
6S 1+25E	23	.3	6
6S 2E	37	.4	15
6S 2+75E	29	.8	17
6S 3+50E	15	.9	13
6S 4+25E	23	.2	14
6S 5E	14	.3	11
6S 5+75E	12	.3	11
6S 6+50E	15	.4	17
6S 7+25E	2	.1	8
8S 11W	79	.7	24
8S 10+25W	29	.5	12
8S 9+50W	65	.1	29
8S 8+75W	14	.3	7
8S 8W	9	.1	2
8S 7+25W	30	.3	19
8S 6+50W	21	.4	5
8S 5+75W	3	.1	2
8S 5W	88	.4	30
8S 4+25W	9	.5	10
8S 3+50W	7	.4	2
8S 2+75W	23	.3	7
8S 2W	2	.1	2
8S 1+25W	3	.4	2
8S 0+50W	32	1.7	34
8S 0+75E	51	1.7	63
8S 1+50E	13	.3	16
8S 2+25E	8	.2	6
STD A-1	30	.3	10

SAMPLE	CU ppm	AG ppm	AS ppm
8S 3E	22	.7	16
8S 3+75E	4	.2	4
8S 4+50E	38	2.7	18
8S 5+25E	15	.5	11
8S 6E	37	.6	51
10S 8+75W	10	.1	10
10S 8W	37	.1	19
10S 7+25W	15	.2	10
10S 6+50W	13	.1	8
10S 5+75W	45	.3	16
10S 5W	18	.5	11
10S 4+25W	59	2.6	34
10S 3+50W	7	.9	2
10S 2+75W	6	.2	4
10S 2W	10	.3	34
10S 1+25W	9	.2	12
10S 0+50W	10	.2	8
10S 0+50E	28	.6	18
10S 1+25E	14	.4	15
10S 2E	9	.3	13
10S 2+75E	17	.2	15
10S 3+50E	12	.9	6
10S 4+25E	19	1.1	12
12S 7W	15	.6	5
12S 6+25W	10	.2	8
12S 5+50W	23	.4	12
12S 4+75W	56	.8	25
12S 4W	35	.9	20
12S 3+25W	50	.2	28
12S 2+50W	23	.1	19
12S 1+75W	34	.4	26
12S 1W	8	.2	4
12S 0+25W	4	.1	6
12S 0+75E	152	.7	59
12S 1+50E	24	.4	16
12S 2+25E	7	.4	6
12S 3E	119	.8	64
STD A-1	30	.3	9

SAMPLE	CU ppm	AG ppm	AS ppm
14S 5W	37	.6	23
14S 4+25W	104	.6	24
14S 3+50W	52	.6	43
14S 2+75W	75	.9	57
14S 2W	25	.5	18
14S 1	91	.3	51
14S 0+25W	64	.6	44
14S 0+75E	24	.8	12
16S 3+25W	28	.8	25
16S 2+50W	100	.6	67
16S 1+50W	60	1.8	56
16S 0+75W	36	.6	34
20N BL	15	.6	4
19+25N BL	8	.4	3
18+50N BL	12	.3	2
17+75N BL	46	.8	6
17N BL	15	.8	4
16+25N BL	9	.2	3
15+50N BL	9	.2	4
14+75N BL	9	.2	8
14N BL	24	1.1	10
13+25N BL	31	.1	15
12+50N BL	19	.4	11
11+75N BL	31	.3	8
11N BL	27	.4	9
10+25N BL	100	2.3	28
9+50N BL	34	.2	13
8+75N BL	15	.1	11
8N BL	31	.5	6
7+25N BL	58	.7	9
6+50N BL	28	.5	13
5+75N BL	37	.9	13
5N BL	24	.4	12
4+25N BL	22	.3	11
3+50N BL	27	1.1	13
2+75N BL	56	1.7	13
2N BL	43	1.1	5
STD A-1	30	.7	10

SAMPLE	CU ppm	AG ppm	AS ppm
1+25N BL	33	.3	23
0+50N BL	40	.3	23
0+25S BL	10	.1	11
1S BL	4	.2	2
1+75S BL	29	.6	18
2+50S BL	30	.7	18
3+25S BL	30	.9	2
4S BL	34	.7	14
4+75S BL	24	.2	13
5+50S BL	19	.2	18
6+25S BL	35	.6	26
7S BL	24	.1	19
7+75S BL	6	.5	14
8+50S BL	47	.6	46
9+25S BL	42	1.0	60
10S BL	9	.4	14
10+75S BL	24	.4	22
11+50S BL	20	.4	20
12+25S BL	45	.3	50
13S BL	14	.1	19
14S BL	52	.3	22
14+75S BL	27	.5	20
6N 15W	23	.1	8
4N 15+75W	143	1.4	14
4N 15W	71	1.5	8
4N 14W	122	2.8	26
4N 12+75W	69	.7	25
4N 12W	47	.9	22
4N 11+25W	24	.1	6
4N 10+50W	114	2.0	15
4N 9+75W	32	.4	13
4N 9W	65	1.1	28
4N 8+25W	46	.6	26
0 5+75E	53	1.4	17
0 7+50E	23	.7	13
0 8+50E	24	.3	11
STD A-1	30	.3	10

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED AUG 25 1983

DATE REPORTS MAILED Aug 31/83

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca,P,Mg,Al,Ti,La,Na,K,W,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppm.
SAMPLE TYPE - PULP

ASSAYER _____ DEAN TOYE, CERTIFIED B.C. ASSAYER

APEX ENERGY FILE # 83-1828A

SAMPLE	CU ppm	AG ppm	AS ppm
NE 0	25	.5	25
NE 0+75E	16	.5	17
NE 1+50E	60	1.7	59
NE 2+25E	33	.2	38
NE 3E	19	.2	16
NE 3+75E	10	.5	14
NE 4+50E	23	1.1	20
NE 5+25E	18	1.3	16
NE 6E	48	2.3	45
NE 6+75E	19	.6	13
NE 7+50E	24	1.1	15
NE 8+25E	54	1.0	49
NE 9E	21	2.1	17
NE 9+75E	37	.7	13
NE 10+50E	36	.7	28
NE 11+25E	55	.5	30
NE 12E	16	.9	11
NE 12+75E	11	.6	10
NE 13+50E	15	.5	8
NE 14+25E	20	.7	12
NE 15E	76	.8	45
SE 6+75N	24	.9	14
SE 6N	18	1.1	15
SE 5+25N	21	.4	8
SE 4+50N	37	.4	7
SE 3+75N	14	.5	4
SE 3N	93	1.0	19
SE 2+25N	27	.6	10
SE 1+50N	26	.8	8
SE 0+75N	23	2.5	4
SE 0S	11	.4	4
SE 0+75S	43	.3	32
N 0+50E	10	.3	7
N 1+25E	16	.2	18
N 2E	9	.1	5
N 2+75E	11	.6	15
N 3+50E	10	.5	12
STD A-1	30	.3	10

SAMPLE	CU ppm	AG ppm	AS ppm
N 4+25E	13	1.3	22
N 5E	49	.4	16
N 5+75E	18	.7	20
N 6+50E	26	.1	25
N 7+25E	11	.2	6
N 8E	10	.4	10
N 8+75E	29	.7	17
N 9+50E	15	.7	15
N 10+25E	10	.6	14
N 11+25E	12	.2	11
N 12E	10	.3	11
N 12+75E	18	.5	4
N 13+50E	13	.2	8
N 14+25E	13	1.4	10
N 15E	8	.3	7
N 15+75E	10	.2	12
N 16+50E	38	.5	15
N 17+25E	30	.2	10
STD A-1	30	.3	9

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: 253-3158 TELEX: 04-53124

DATE RECEIVED AUG 25 1983

DATE REPORTS MAILED Aug 31/83

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : P1-5 SOIL P6 COLLINS CREEK SED - -80 MESH & PULVERIZED
AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER _____ DEAN TOYE, CERTIFIED B.C. ASSAYER

APEX ENERGY FILE # 83-1828 PAGE# 1

SAMPLE	AU* PPB
NE 0	10
NE 0+25E	5
NE 0+50E	5
NE 0+75E	115
NE 1E	5
NE 1+25E	5
NE 1+50E	180
NE 1+75E	50
NE 2E	5
NE 2+25E	75
NE 2+50E	10
NE 2+75E	10
NE 3E	15
NE 3+25E	55
NE 3+50E	10
NE 3+75E	5
NE 4E	5
NE 4+25E	5
NE 4+50E	5
NE 4+75E	5
NE 5E	10
NE 5+25E	10
NE 5+50E	15
NE 5+75E	175
NE 6E	10
NE 6+25E	5
NE 6+50E	15
NE 6+75E	5
NE 7E	5
NE 7+25E	5
NE 7+50E	10
NE 7+75E	10
NE 8E	265
NE 8+25E	15
NE 8+50E	5
NE 8+75E	25
NE 9E	210

SAMPLE	AU* PPB
NE 9+25E	60
NE 9+50E	35
NE 9+75E	5
NE 10E	25
NE 10+25E	15
NE 10+50E	15
NE 10+75E	5
NE 11E	5
NE 11+25E	10
NE 11+50E	15
NE 11+75E	5
NE 12E	10
NE 12+25E	5
NE 12+50E	5
NE 12+75E	5
NE 13E	5
NE 13+25E	5
NE 13+50E	5
NE 13+75E	125
NE 14E	10
NE 14+25E	35
NE 14+50E	30
NE 14+75E	5
NE 15E	45
SE 7+25N	15
SE 7N	5
SE 6+75N	5
SE 6+50N	5
SE 6+25N	5
SE 6N	5
SE 5+75N	5
SE 5+50N	5
SE 5+25N	5
SE 5N	5
SE 4+75N	5
SE 4+50N	5
SE 4+25N	10

SAMPLE	AU* PPB
SE 4N	5
SE 3+75N	15
SE 3+50N	5
SE 3+25N	5
SE 3N	5
SE 2+75N	5
SE 2+50N	5
SE 2+25N	5
SE 2N	5
SE 1+75N	5
SE 1+50N	5
SE 1+25N	5
SE 1N	5
SE 0+75N	5
SE 0+50N	5
SE 0+25N	5
SE 0S	5
SE 0+25S	5
SE 0+50S	5
SE 0+75S	5
N 0	5
N 0+25E	5
N 0+50E	5
N 0+75E	25
N 1E	10
N 1+25E	5
N 1+50E	5
N 1+75E	5
N 2E	10
N 2+25E	5
N 2+50E	5
N 2+75E	5
N 3E	5
N 3+25E	5
N 3+50E	5
N 3+75E	15

SAMPLE	AU* PPB
N 4E	200
N 4+25E	5
N 4+50E	5
N 4+75E	5
N 5E	5
N 5+25E	10
N 5+50E	5
N 5+75E	5
N 6E	5
N 6+25E	600
N 6+50E	15
N 6+75E	5
N 7E	35
N 7+25E	5
N 7+50E	10
N 7+75E	5
N 8E	5
N 8+25E	5
N 8+50E	180
N 8+75E	10
N 9E	15
N 9+25E	20
N 9+50E	5
N 9+75E	5
N 10E	6400
N 10+25E	20
N 10+50E	10
N 10+75E	2950
N 11+25E	5
N 11+50E	5
N 11+75E	5
N 12E	5
N 12+25E	5
N 12+50E	5
N 12+75E	5
N 13E	5
N 13+25E	5

SAMPLE	AU* PPB
N 13+50E	5
N 13+75E	5
N 14E	445
N 14+25E	5
N 14+50E	5
N 14+75E	10
N 15E	5
N 15+25E	95
N 15+50E	5
N 15+75E	5
N 16E	5
N 16+25E	30
N 16+50E	5
N 16+75E	10
N 17E	5
N 17+25E	10
N 17+75E	10
N 18E	5

SAMPLE	AU* PPB
0+50	5
1	5
1+50	5
2	5
2+50	5
3	5
3+50	10
4	5

ACME ANALYTICAL LABORATORIES LTD
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED AUG 22 1983
DATE REPORTS MAILED Aug 26/83

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., -80 MESH. [illegible]

ASSAYER [signature] DEAN TOYE, CERTIFIED B.C. ASSAYER

[illegible] ENERGY FILE # 83-1771 PAGE#

SAMPLE	AU* PPB
20N 0+50W	25
20N 0+25W	5
20N 0+25E	25
20N 0+50E	105
20N 0+75E	10
20N 1E	3
18N 2+25W	5
18N 2W	5
18N 1+75W	15
18N 1+50W	10
18N 1+25W	15
18N 1W	10
18N 0+75W	5
18N 0+50W	5
18N 0+25W	5
18N 0+50E	5
18N 0+75E	5
18N 1E	5
16N 4+25W	5
16N 4W	[illegible]
16N 3+75W	5
16N 3+50W	[illegible]
16N 3+25W	[illegible]
16N 3W	10
16N 2+75W	10
16N 2+50W	215
16N 2+25W	80
16N 2W	25
16N 1+75W	[illegible]
16N 1+50W	[illegible]
16N 1+25W	35
16N 1W	15
16N 0+75W	10
16N 0+50W	5
16N 0+25W	10
16N 0+25E	10
16N 0+50E	5

SAMPLE	AU* PPB
16N 1+25E	5
16N 1+50E	10
16N 1+75E	5
14N 6+25W	25
14N 6W	850
14N 5+75W	10
14N 5+50W	15
14N 5+25W	5
14N 5W	5
14N 4+75W	5
14N 4+50W	5
14N 4+25W	5
14N 4W	5
14N 3+75W	15
14N 3+50W	10
14N 3+25W	5
14N 3W	5
14N 2+75W	5
14N 2+50W	5
14N 2+25W	5
14N 2W	5
14N 1+50W	5
14N 1+25W	5
14N 1W	5
14N 0+75W	5
14N 0+50W	5
14N 0+25W	5
14N 0+25E	5
14N 0+50E	5
14N 0+75E	20
14N 1E	10
14N 1+25E	10
14N 1+50E	5
14N 1+75E	5
14N 2E	5
14N 2+25E	10
14N 2+50E	20

SAMPLE	AU* PPB
14N 2+75E	5
14N 3E	5
14N 3+25E	45
12N 8+25W	5
12N 8W	20
12N 7+75W	10
12N 7+50W	5
12N 7+25W	5
12N 7W	10
12N 6+75W	10
12N 6+50W	10
12N 6+25W	5
12N 6W	10
12N 5+75W	25
12N 5+50AW	5
12N 5+50W	40
12N 5+25W	10
12N 5W	10
12N 4+75W	30
12N 4+50W	5
12N 4+25W	5
12N 4W	5
12N 3+75W	5
12N 3+50W	5
12N 3+25W	5
12N 3W	5
12N 2+75W	5
12N 2+50W	5
12N 2+25W	5
12N 2W	5
12N 1+75W	5
12N 1+50W	10
12N 1+25W	5
12N 1W	5
12N 0+75W	5
12N 0+50W	5
12N 0+25W	5

SAMPLE	AU* PPB
12N 0+25E	5
12N 0+50E	25
12N 0+75E	15
12N 1E	10
12N 1+25E	5
12N 1+50E	5
12N 1+75E	5
12N 2E	10
12N 2+25E	15
12N 2+50E	5
12N 2+75E	5
12N 3E	20
12N 3+25E	5
12N 3+50E	5
12N 3+75E	10
12N 4E	5
12N 4+25E	10
12N 4+50E	5
12N 4+75E	5
12N 5E	5
12N 5+25E	5
10N 10+25W	10
10N 10W	15
10N 9+75W	15
10N 9+50W	10
10N 9+25W	35
10N 9W	10
10N 8+75W	15
10N 8+50W	10
10N 8+25W	5
10N 8W	5
10N 7+75W	5
10N 7+50W	10
10N 7+25W	5
10N 7W	5
10N 6+75W	5
10N 6+50W	25

SAMPLE	AU* PPB
10N 6+25W	10
10N 6W	5
10N 5+75W	5
10N 5+25W	20
10N 5W	10
10N 4+75W	25
10N 4+50W	10
10N 4+25W	10
10N 4W	5
10N 3+75W	25
10N 3+50W	5
10N 3+25W	5
10N 3W	10
10N 2+75W	10
10N 2+50W	5
10N 2+25W	5
10N 2W	5
10N 1+75W	5
10N 1+50W	10
10N 1+25W	5
10N 1W	40
10N 0+75W	10
10N 0+50W	5
10N 0+25W	5
10N 0+25E	10
10N 0+50E	20
10N 0+75E	10
10N 1E	5
10N 1+25E	5
10N 1+50E	5
10N 1+75E	10
10N 2E	160
10N 2+25E	5
10N 2+50E	5
10N 2+75E	10
10N 3+25E	5
10N 3+50E	5

SAMPLE	AU* PPB
10N 3+75E	5
10N 4E	10
10N 4+25E	5
10N 4+50E	5
10N 4+50AE	5
10N 4+75E	5
10N 5E	5
10N 5+25E	5
10N 5+50E	5
10N 5+75E	15
10N 6E	5
10N 6+25E	5
10N 6+50E	10
10N 6+75E	5
10N 7E	5
10N 7+25E	5
10N 7+50E	5
10N 7+75E	5
10N 8E	5
10N 8+25E	20
10N 8+50E	5
10N 8+75E	10
8N 8+75W	10
8N 8+50W	15
8N 8+25W	20
8N 8W	5
8N 7+75W	5
8N 7+50W	25
8N 7+25W	10
8N 7W	10
8N 6+75W	5
8N 6+50W	20
8N 6+25W	10
8N 6W	15
8N 5+75W	5
8N 5+50W	20
8N 5+25W	10

SAMPLE	AU* PPB
8N 5W	10
8N 4+75W	5
8N 4+50W	5
8N 4+25W	5
8N 4W	5
8N 3+75W	5
8N 3+50W	25
8N 3+25W	10
8N 3W	5
8N 2+75W	5
8N 2+50W	5
8N 2+25W	5
8N 2W	5
8N 1+75W	5
8N 1+50W	10
8N 1+25W	10
8N 1W	5
8N 0+75W	5
8N 0+50W	5
8N 0+25W	5
8N 0+25E	5
8N 0+50E	5
8N 0+75E	25
8N 1E	5
8N 1+25E	45
8N 1+75E	5
8N 2E	5
8N 2+25E	15
8N 2+50E	5
8N 2+75E	5
8N 3E	20
8N 3+25E	5
8N 3+50E	5
8N 3+75E	5
8N 4E	25
8N 4+25E	5
8N 4+50E	5

SAMPLE	AU* PPB
8N 4+75E	5
8N 5E	5
8N 5+25E	5
8N 5+50E	5
8N 5+75E	15
8N 6E	5
8N 6+25E	5
8N 6+50E	5
8N 6+75E	5
8N 7E	5
8N 7+25E	5
8N 7+50E	5
8N 7+75E	5
8N 8E	5
8N 8+25E	5
8N 8+50E	5
8N 8+75E	5
8N 9E	20
8N 9+25E	5
8N 9+50E	5
8N 9+75E	5
8N 10E	40
8N 10+25E	105
8N 10+50E	15
8N 10+75E	5
8N 11E	10
8N 11+25E	5
8N 11+50E	5
8N 11+75E	5
8N 12E	5
8N 12+17E	5
6N 14+25W	5
6N 14W	5
6N 13+75W	5
6N 13+50W	5
6N 13+25W	5
6N 13W	5

SAMPLE	AU* PPB
6N 12+75W	10
6N 12+50W	5
6N 12+25W	5
6N 12W	10
6N 11+75W	5
6N 11+50W	5
6N 11+25W	5
6N 11W	5
6N 10+75W	5
6N 10+50W	5
6N 10+25W	5
6N 10W	5
6N 9+75W	5
6N 9+50W	20
6N 9+25W	10
6N 9W	5
6N 8+75W	5
6N 8+50W	25
6N 8+25W	10
6N 8W	5
6N 7+75W	5
6N 7+50W	30
6N 7+25W	15
6N 7W	5
6N 6+75W	25
6N 6+50W	5
6N 6+25W	55
6N 6W	5
6N 5+75W	5
6N 5+50W	85
6N 5+25W	5
6N 4+75W	5
6N 4+50W	5
6N 4+25W	5
6N 4W	5
6N 3+75W	5
6N 3+50W	5

SAMPLE	AU* PPB
6N 3+25W	5
6N 3W	5
6N 2+75W	10
6N 2+50W	10
6N 2+25W	5
6N 2W	15
6N 1+75W	5
6N 1+50W	5
6N 1+25W	5
6N 1W	5
6N 0+75W	5
6N 0+50W	5
6N 0+25W	5
6N 0+25E	5
6N 0+50E	5
6N 0+75E	5
6N 1E	5
6N 1+25E	5
6N 1+50E	5
6N 1+75E	5
6N 2E	5
6N 2+25E	5
6N 2+50E	5
6N 2+75E	5
6N 3E	15
6N 3+25E	10
6N 3+50E	5
6N 3+75E	5
6N 4E	5
6N 4+25E	5
6N 4+50E	5
6N 4+75E	5
6N 5E	5
6N 5+25E	5
6N 5+50E	5
6N 6E	5
6N 6+25E	5

SAMPLE	AU* PPB
6N 6+50E	20
6N 6+75E	20
6N 7E	5
6N 7+25E	5
6N 7+50E	5
6N 7+75E	105
6N 8E	5
6N 8+25E	5
6N 8+75E	5
6N 9E	5
6N 9+25E	10
6N 9+50E	5
6N 9+75E	100
6N 10E	5
6N 10+25E	10
6N 10+50E	5
6N 10+75E	5
6N 11E	5
6N 11+25E	345
6N 11+50E	5
6N 11+75E	70
6N 12E	15
6N 12+25E	10
6N 12+50E	5
6N 12+75E	5
6N 13E	5
6N 13+25E	5
6N 13+50E	5
6N 13+75E	10
6N 14E	5
6N 14+25E	10
6N 14+50E	5
6N 14+75E	5
4N 14+75W	5
4N 13+50W	5
4N 13W	15
4N 8W	15
4N 7+75W	20

SAMPLE	AU* PPB
4N 7+50W	20
4N 7+25W	20
4N 7W	5
4N 6+75W	5
4N 6+50W	5
4N 6+25W	5
4N 6W	5
4N 5+75W	20
4N 5+50W	30
4N 5+25W	5
4N 5W	5
4N 4+75W	10
4N 4+50W	10
4N 4+25W	5
4N 4W	5
4N 3+75W	20
4N 3+50W	20
4N 3+25W	5
4N 3W	10
4N 2+75W	10
4N 2+50W	5
4N 2+25W	5
4N 2W	5
4N 1+75W	5
4N 1+50W	10
4N 1+25W	5
4N 1W	5
4N 0+75W	10
4N 0+50W	5
4N 0+25W	30
4N 0+25E	5
4N 0+50E	5
4N 0+75E	5
4N 1E	10
4N 1+25E	5
4N 1+50E	5
4N 1+75E	5

SAMPLE	AU* PPB
4N 2E	5
4N 2+25E	10
4N 2+50E	10
4N 2+75E	5
4N 3E	5
4N 3+25E	5
4N 3+50E	20
4N 3+75E	30
4N 4E	25
4N 4+25E	25
4N 4+50E	5
4N 4+75E	10
4N 5E	10
4N 5+25E	10
4N 5+50E	30
4N 5+75E	5
4N 6E	5
4N 6+25E	5
4N 6+50E	5
4N 6+75E	5
4N 7E	80
4N 7+25E	10
4N 7+50E	10
4N 7+75E	10
4N 8E	5
4N 8+25E	5
4N 8+50E	10
4N 8+75E	100
4N 9E	20
4N 9+25E	5
4N 9+50E	20
4N 9+75E	10
4N 10E	5
4N 10+25E	15
4N 10+50E	30
4N 10+75E	20
4N 11E	30

SAMPLE	AU* PPB
4N 11+25E	5
4N 11+50E	5
4N 11+75E	5
4N 11+75AE	10
4N 12E	5
4N 12AE	245
4N 12+25E	5
4N 12+25AE	5
4N 12+50E	5
4N 12+50AE	5
4N 12+75E	10
4N 13E	5
4N 13+25E	5
4N 13+50E	5
4N 13+75E	5
4N 14E	5
4N 14+25E	5
4N 14+50E	5
4N 14+75E	5
4N 15+25E	5
4N 15+50E	5
4N 15+75E	5
4N 16E	5
4N 16+13E	5
2N 17W	5
2N 16+75W	5
2N 16+50W	5
2N 16+25W	5
2N 16W	5
2N 15+75W	5
2N 15+50W	5
2N 15+25W	5
2N 15W	5
2N 14+75W	5
2N 14+50W	5
2N 14+25W	5
2N 14W	5

SAMPLE	AU* PPB
2N 13+75W	5
2N 13+50W	5
2N 13+25W	5
2N 13W	5
2N 12+75W	5
2N 12+50W	5
2N 12+25W	5
2N 12W	5
2N 11+75W	5
2N 11+50W	10
2N 11+25W	5
2N 11W	15
2N 10+75W	5
2N 10+50W	5
2N 10+25W	5
2N 10W	5
2N 9+75W	5
2N 9+50W	5
2N 9+25W	5
2N 9W	10
2N 8+75W	5
2N 8+50W	5
2N 8+25W	5
2N 8W	5
2N 7+75W	5
2N 7+50W	5
2N 7+25W	5
2N 7W	5
2N 6+75W	5
2N 6+50W	5
2N 6+25W	5
2N 6W	5
2N 5+75W	5
2N 5+50W	5
2N 5+25W	5
2N 5W	5
2N 4+75W	5

SAMPLE	AU* PPB
2N 4+50W	5
2N 4+25W	10
2N 4W	5
2N 3+75W	85
2N 3+50W	5
2N 3+25W	5
2N 3W	5
2N 2+75W	5
2N 2+50W	5
2N 2+25W	5
2N 2W	5
2N 1+75W	20
2N 1+50W	5
2N 1+25W	1395
2N 1W	5
2N 0+75W	190
2N 0+50W	30
2N 0+25W	5
2N 0+25E	5
2N 0+50E	5
2N 0+75E	5
2N 1E	5
2N 1+25E	5
2N 1+50E	15
2N 1+75E	5
2N 2E	5
2N 2+25E	5
2N 2+50E	100
2N 2+75E	5
2N 3E	15
2N 3+25E	5
2N 3+50E	10
2N 3+75E	15
2N 4E	5
2N 4+25E	5
2N 4+50E	5
2N 4+75E	5

SAMPLE	AU* PPB
2N 5E	5
2N 5+25E	5
2N 5+50E	5
2N 5+75E	5
2N 6E	5
2N 6+25E	5
2N 6+50E	5
2N 6+75E	10
2N 7E	5
2N 7+25E	5
2N 7+50E	10
2N 7+75E	5
2N 8E	60
2N 8+25E	245
2N 8+50E	5
2N 8+75E	5
2N 9E	5
2N 9+25E	5
2N 9+50E	10
2N 9+75E	5
2N 10E	205
2N 10+25E	110
2N 10+50E	130
2N 10+75E	410
2N 11E	5
2N 11+25E	5
2N 11+50E	10
2N 11+75E	40
2N 12E	10
2N 12+25E	220
2N 12+50E	5
2N 12+75E	5
2N 13E	5
2N 13+25E	5
2N 13+50E	5
2N 13+75E	420
2N 14E	5

SAMPLE	AU* PPB
2N 14+25E	5
2N 14+50E	825
2N 14+75E	5
2N 15E	2570
2N 15+25E	20
2N 15+50E	5
2N 15+75E	10
2N 16E	130
2N 16+25E	10
ON 19+25W	10
ON 19W	5
ON 18+75W	15
ON 18+50W	10
ON 18+25W	5
ON 18W	10
ON 17+50W	5
ON 17+25W	10
ON 17W	5
ON 16+75W	20
ON 16+50W	10
ON 16+25W	20
ON 16W	10
ON 15+75W	5
ON 15+50W	5
ON 15+25W	5
ON 15W	15
ON 14+75W	10
ON 14+50W	5
ON 14+25W	5
ON 14W	15
ON 13+75W	5
ON 13+50W	5
ON 13+25W	5
ON 13W	10
ON 12+75W	5
ON 12+50W	10
ON 12+25W	5

SAMPLE	AU* PPB
ON 12W	5
ON 11+75W	5
ON 11+50W	5
ON 11+25W	5
ON 11W	5
ON 10+75W	5
ON 10+50W	5
ON 10+25W	5
ON 10W	5
ON 9+75W	5
ON 9+50W	5
ON 9+25W	5
ON 9W	5
ON 8+75W	5
ON 8+50W	5
ON 8+25W	5
ON 8W	5
ON 7+75W	5
ON 7+50W	5
ON 7+25W	5
ON 7W	5
ON 6+75W	5
ON 6+50W	5
ON 6+25W	5
ON 6W	5
ON 5+75W	5
ON 5+50W	5
ON 5+25W	5
ON 5W	5
ON 4+75W	5
ON 4+50W	5
ON 4+25W	5
ON 4W	5
ON 3+75W	5
ON 3+50W	5
ON 3+25W	5
ON 3W	5

SAMPLE	AU* PPB
ON 2+75W	5
ON 2+50W	5
ON 2+25W	5
ON 2W	40
ON 1+75W	45
ON 1+50W	5
ON 1+25W	10
ON 1W	5
ON 0+75W	5
ON 0+50W	5
ON 0+25W	5
ON 0+50E	45
ON 0+75E	5
ON 1+25E	15
ON 1+75E	5
ON 2E	5
ON 2+25E	5
ON 2+50E	20
ON 2+75E	10
ON 3E	5
ON 3+25E	5
ON 3+50E	5
ON 3+75E	5
ON 4E	10
ON 4+25E	5
ON 4+50E	5
ON 5E	5
ON 5+25E	5
ON 5+50E	5
ON 6E	5
ON 6+25E	15
ON 6+50E	10
ON 7+25E	5
ON 8E	10
ON 8+75E	5
ON 9E	5
ON 9+25E	20

SAMPLE	AU* PPB
ON 9+50E	10
ON 10E	120
ON 10+25E	5
ON 10+50E	15
ON 10+75E	40
ON 11E	520
ON 11+25E	70
ON 11+50E	1460
ON 11+75E	5
ON 12E	5
ON 12+25E	5
ON 12+50E	15
ON 12+75E	5
ON 13E	15
ON 13+25E	20
ON 13+50E	5
ON 13+75E	5
ON 14E	5
ON 14+25E	20
ON 14+50E	320
ON 14+75E	5
ON 15E	5
ON 15+25E	5
ON 16E	30
ON 16+25E	5
2S 17+25W	5
2S 17W	5
2S 16+75W	5
2S 16+50W	5
2S 16+25W	5
2S 16W	35
2S 15+75W	5
2S 15+50W	5
2S 15+25W	5
2S 14+75W	5
2S 14+50W	5
2S 14+25W	5

SAMPLE	AU* PPB
2S 14W	5
2S 13+75W	5
2S 13+50W	5
2S 13+25W	5
2S 13W	5
2S 12+75W	5
2S 12+50W	5
2S 12+25W	195
2S 12W	5
2S 11+75W	5
2S 11+50W	5
2S 11+25W	5
2S 11W	5
2S 10+50W	5
2S 10+25W	5
2S 10W	5
2S 9+75W	5
2S 9+50W	5
2S 9+25W	5
2S 9W	5
2S 8+75W	5
2S 8+50W	5
2S 8+25W	5
2S 8W	5
2S 7+75W	5
2S 7+50W	5
2S 7+25W	5
2S 7W	5
2S 6+75W	5
2S 6+50W	5
2S 6+25W	5
2S 6W	5
2S 5+75W	15
2S 5+50W	10
2S 5+25W	5
2S 5W	5
2S 4+75W	5

SAMPLE	AU* PPB
2S 4+50W	5
2S 4+25W	5
2S 4W	5
2S 3+75W	40
2S 3+50W	5
2S 3+25W	5
2S 3W	5
2S 2+75W	5
2S 2+50W	5
2S 2+25W	5
2S 2W	5
2S 1+75W	5
2S 1+50W	5
2S 1+25W	5
2S 1W	5
2S 0+75W	5
2S 0+50W	5
2S 0+25W	5
2S 0+25E	5
2S 0+75E	10
2S 1E	55
2S 1+25E	20
2S 1+50E	5
2S 1+75E	25
2S 2E	5
2S 2+25E	25
2S 2+50E	10
2S 2+75E	5
2S 3E	5
2S 3+25E	5
2S 3+50E	5
2S 3+75E	5
2S 4E	5
2S 4+25E	5
2S 4+50E	5
2S 4+75E	5
2S 5E	5

SAMPLE	AU* PPB
2S 5+25E	70
2S 5+50E	15
2S 5+75E	10
2S 6E	5
2S 6+25E	10
2S 6+50E	5
2S 6+75E	15
2S 7E	40
2S 7+25E	10
2S 7+50E	5
2S 7+75E	5
2S 8E	5
2S 8+25E	250
2S 8+50E	5
2S 8+75E	10
2S 9E	5
2S 9+25E	5
2S 9+50E	5
2S 9+75E	30
2S 10E	760
2S 10+25E	400
2S 10+50E	35
2S 10+75E	5
2S 11E	5
2S 11+25E	40
2S 11+50E	15
2S 11+75E	320
2S 12E	5
2S 12+25E	25
2S 12+50E	5
2S 12+75E	25
2S 13E	30
2S 13+25E	710
2S 13+50E	5
4S 15+50W	15
4S 15+25W	5
4S 15W	5

SAMPLE	AU* PPB
4S 14+75W	5
4S 14+50W	5
4S 13+50W	5
4S 13+25W	10
4S 13W	5
4S 12+50W	5
4S 12+25W	5
4S 12W	5
4S 11+75W	15
4S 11+50W	5
4S 11+25W	10
4S 11W	5
4S 10+75W	5
4S 10+50W	10
4S 10+25W	5
4S 10W	5
4S 9+75W	5
4S 9+50W	5
4S 9+25W	5
4S 9W	45
4S 8+50W	50
4S 8+25W	10
4S 8W	5
4S 7+75W	5
4S 7+50W	55
4S 7+25W	20
4S 6+50W	30
4S 6+25W	5
4S 5+75W	25
4S 5+50W	5
4S 5+25W	20
4S 5W	15
4S 4+75W	5
4S 4+50W	30
4S 4+25W	20
4S 4W	50
4S 3+75W	20

SAMPLE	AU* PPB
4S 3+50W	5
4S 3+25W	5
4S 3W	5
4S 2+75W	5
4S 2+50W	10
4S 2+25W	3
4S 2W	5
4S 1+75W	10
4S 1W	75
4S 0+75W	15
4S 0+25W	5
4S 1+25E	5
4S 1+75E	20
4S 2E	15
4S 2+25E	5
4S 2+50E	10
4S 2+75E	5
4S 3E	30
4S 3+25E	5
4S 3+50E	10
4S 3+75E	5
4S 4E	5
4S 4+25E	5
4S 4+50E	740
4S 4+75E	5
4S 5E	5
4S 5+25E	15
4S 5+50E	20
4S 5+75E	5
4S 6E	5
4S 6+25E	5
4S 6+50E	15
4S 6+75E	5
4S 7E	5
4S 7+25E	370
4S 7+50E	30
4S 7+75E	10

SAMPLE	AU* PPB
4S 8E	5
4S 8+25E	15
4S 8+50E	15
4S 8+75E	10
4S 9E	5
4S 9+25E	5
4S 9+50E	5
4S 9+75E	15
4S 10E	5
4S 10+25E	5
4S 10+25AE	5
4S 10+50E	5
4S 10+75E	5
6S 13+25W	5
6S 13W	5
6S 12+50W	10
6S 12+25W	5
6S 12W	10
6S 11+75W	5
6S 11+50W	5
6S 11+25W	5
6S 11W	5
6S 10+75W	5
6S 10W	10
6S 9+75W	5
6S 9+50W	5
6S 9+25W	5
6S 9W	5
6S 8+75W	5
6S 8+50W	20
6S 8+25W	5
6S 8W	5
6S 7+75W	5
6S 7+50W	5
6S 7+25W	5
6S 7W	25
6S 6+75W	5

SAMPLE	AU* PPB
6S 6+50W	5
6S 6+25W	5
6S 6W	5
6S 5+75W	5
6S 5+50W	5
6S 5+25W	15
6S 5W	5
6S 4+25W	15
6S 3+75W	5
6S 3+50W	45
6S 3+25W	15
6S 3W	35
6S 2+75W	15
6S 2+50W	10
6S 2+25W	5
6S 2W	5
6S 1+75W	60
6S 1+50W	10
6S 1+25W	15
6S 1W	10
6S 0+75W	10
6S 0+50W	10
6S 0+25W	10
6S 0+25E	15
6S 0+50E	15
6S 0+75E	20
6S 1E	10
6S 1+25E	15
6S 1+50E	30
6S 1+75E	15
6S 2E	15
6S 2+25E	35
6S 2+50E	15
6S 2+75E	270
6S 3E	30
6S 3+25E	25
6S 3+50E	10

SAMPLE	AU* PPB
6S 3+75E	10
6S 4E	10
6S 4+25E	5
6S 4+50E	5
6S 4+75E	5
6S 5E	5
6S 5+25E	5
6S 5+50E	5
6S 5+75E	5
6S 6E	5
6S 6+25E	15
6S 6+50E	5
6S 6+75E	30
6S 7E	10
6S 7+25E	5
6S 7+50E	5
8S 11+25W	5
8S 11W	10
8S 10+75W	5
8S 10+50W	15
8S 10+25W	10
8S 10W	5
8S 9+75W	20
8S 9+50W	15
8S 9+25W	5
8S 9W	5
8S 8+75W	5
8S 8+50W	5
8S 8+25W	5
8S 8W	10
8S 7+75W	5
8S 7+50W	5
8S 7+25W	5
8S 7W	5
8S 6+75W	5
8S 6+50W	5
8S 6+25W	5

SAMPLE	AU* PPB
BS 6W	15
BS 5+75W	5
BS 5+50W	5
BS 5+25W	45
BS 5W	25
BS 4+75W	15
BS 4+50W	10
BS 4+25W	45
BS 4W	5
BS 3+75W	10
BS 3+50W	70
BS 3+25W	5
BS 3W	5
BS 2+75W	10
BS 2+50W	30
BS 2+25W	5
BS 2W	5
BS 1+75W	10
BS 1+50W	5
BS 1+25W	5
BS 1W	310
BS 0+75W	10
BS 0+50W	15
BS 0+25E	5
BS 0+50E	10
BS 0+75E	415
BS 1E	15
BS 1+25E	5
BS 1+50E	60
BS 1+75E	40
BS 2E	10
BS 2+25E	15
BS 2+50E	5
BS 2+75E	5
BS 3E	15
BS 3+25E	5
BS 3+50E	5

SAMPLE	AU* PPB
8S 3+75E	15
8S 4E	5
8S 4+25E	10
8S 4+50E	30
8S 4+75E	5
8S 5E	5
8S 5+25E	5
8S 5+50E	5
8S 5+75E	5
8S 6E	45
10S 9+25W	10
10S 9W	5
10S 8+75W	35
10S 8+50W	45
10S 8+25W	5
10S 8W	5
10S 7+75W	5
10S 7+50W	5
10S 7+25W	5
10S 7W	30
10S 6+75W	5
10S 6+50W	5
10S 6+25W	5
10S 6W	15
10S 5+75W	10
10S 5+50W	35
10S 5+25W	30
10S 5W	15
10S 4+75W	5
10S 4+50W	5
10S 4+25W	25
10S 4W	5
10S 3+75W	15
10S 3+50W	5
10S 3+25W	5
10S 3W	10
10S 2+75W	5

SAMPLE	AU* PPB
10S 2+50W	10
10S 2+25W	10
10S 2W	15
10S 1+75W	5
10S 1+50W	30
10S 1+25W	5
10S 1W	5
10S 0+75W	5
10S 0+50W	15
10S 0+25W	20
10S 0+25E	5
10S 0+50E	5
10S 0+75E	205
10S 1E	10
10S 1+25E	15
10S 1+50E	20
10S 1+75E	5
10S 2E	5
10S 2+25E	5
10S 2+50E	10
10S 2+75E	5
10S 3E	50
10S 3+25E	10
10S 3+50E	5
10S 3+75E	5
10S 4E	5
10S 4+25E	5
10S 4+50E	15
12S 7+25W	5
12S 7W	5
12S 6+75W	5
12S 6+50W	5
12S 6+25W	5
12S 6W	10
12S 5+75W	5
12S 5+50W	15
12S 5+25W	5

SAMPLE	AU* PPB
12S 5W	5
12S 4+75W	15
12S 4+50W	5
12S 4+25W	15
12S 4W	20
12S 3+75W	105
12S 3+50W	85
12S 3+25W	20
12S 3W	10
12S 2+75W	5
12S 2+50W	15
12S 2+25W	45
12S 2W	15
12S 1+75W	10
12S 1+50W	50
12S 1+25W	5
12S 1W	5
12S 0+75W	5
12S 0+50W	5
12S 0+25W	5
12S 0+25E	5
12S 0+50E	10
12S 0+75E	125
12S 1E	15
12S 1+25E	5
12S 1+50E	5
12S 1+75E	5
12S 2E	15
12S 2+25E	5
12S 2+50E	5
12S 2+75E	10
12S 3E	55
12S 3+25E	25
14S 5+25W	10
14S 5W	35
14S 4+75W	25
14S 4+50W	295

SAMPLE	AU* PPB
14S 4+25W	10
14S 4W	15
14S 3+75W	410
14S 3+50W	60
14S 3+25W	5
14S 3W	5
14S 2+75W	155
14S 2+50W	10
14S 2+25W	35
14S 2W	75
14S 1+75W	5
14S 1+50W	40
14S 1W	80
14S 0+75W	15
14S 0+50W	20
14S 0+25W	25
14S 0+25E	95
14S 0+50E	5
14S 0+75E	5
14S 1E	5
14S 1+25E	20
16S 3+25W	140
16S 3W	15
16S 2+75W	45
16S 2+50W	80
16S 2W	5
16S 1+75W	10
16S 1+50W	180
16S 1+25W	10
16S 1W	25
16S 0+75W	30
16S 0+50W	50
16S 0+25W	5
20N BL	5
19+75N BL	5
19+50N BL	5
19+25N BL	5

SAMPLE	AU* PPB
19N BL	5
18+75N BL	50
18+50N BL	5
18+25N BL	5
18N BL	5
17+75N BL	5
17+50N BL	5
17+25N BL	5
17N BL	5
16+75N BL	5
16+50N BL	5
16+25N BL	5
16N BL	5
15+75N BL	5
15+50N BL	5
15+25N BL	5
15N BL	10
14+75N BL	5
14+50N BL	5
14+25N BL	5
14N BL	5
13+75N BL	10
13+50N BL	15
13+25N BL	5
13N BL	5
12+75N BL	5
12+50N BL	10
12+25N BL	5
12N BL	5
11+75N BL	5
11+50N BL	5
11+25N BL	5
11N BL	5
10+75N BL	5
10+50N BL	5
10+25N BL	5
10N BL	5

SAMPLE	AU* PPB
9+75N BL	5
9+50N BL	5
9+25N BL	5
9N BL	5
8+75N BL	10
8+50N BL	5
8+25N BL	5
8N BL	5
7+50N BL	5
7+25AN BL	5
7+25N BL	5
7N BL	5
6+75N BL	5
6+50N BL	10
6+25N BL	15
6N BL	10
5+75N BL	5
5+50N BL	5
5+25N BL	5
5N BL	5
4+75N BL	85
4+50N BL	55
4+25N BL	15
4N BL	5
3+75N BL	10
3+50N BL	5
3+25N BL	5
3N BL	5
2+75N BL	15
2+50N BL	5
2+25N BL	5
2N BL	5
1+75N BL	5
1+50N BL	5
1+25N BL	15
1N BL	10
0+75N BL	40

SAMPLE	AU* PPB
0+50N BL	10
0+25N BL	40
0S BL	5
0+25S BL	5
0+50S BL	5
0+75S BL	10
1S BL	5
1+25S BL	5
1+50S BL	5
1+75S BL	15
2S BL	5
2+25S BL	35
2+50S BL	5
2+75S BL	5
3S BL	5
3+25S BL	5
3+50S BL	5
3+75S BL	5
4S BL	10
4+25S BL	15
4+50S BL	5
4+75S BL	5
5S BL	15
5+25S BL	5
5+50S BL	5
5+75S BL	5
6S BL	90
6+25S BL	10
6+50S BL	60
6+75S BL	5
7S BL	10
7+25S BL	10
7+50S BL	175
7+75S BL	10
8S BL	15
8+25S BL	5
8+50S BL	15

SAMPLE	AU* PPB
8+75S BL	10
9S BL	120
9+25S BL	45
9+50S BL	115
9+75S BL	15
10S BL	5
10+25S BL	85
10+50S BL	40
10+75S BL	5
11S BL	20
11+25S BL	15
11+50S BL	15
11+75S BL	35
12S BL	120
12+25S BL	50
12+75S BL	30
12+75AS BL	115
13S BL	10
13+25S BL	110
13+50S BL	10
14S BL	15
14+25S BL	5
14+50S BL	5
14+75S BL	20
6N 15+50W	5
6N 15+25W	5
6N 15W	5
4N 16+25W	5
4N 16W	5
4N 15+75W	5
4N 15+50W	5
4N 15+25W	5
4N 15W	5
4N 14+50W	5
4N 14+25W	5
4N 14W	10

SAMPLE	AU* PPB
4N 13+75W	5
4N 13+25W	5
4N 12+75W	5
4N 12+50W	5
4N 12+25W	5
4N 12W	5
4N 11+75W	5
4N 11+50W	5
4N 11+25W	5
4N 11W	5
4N 10+75W	5
4N 10+50W	5
4N 10+25W	5
4N 10W	5
4N 9+75W	5
4N 9+50W	5
4N 9+25W	5
4N 9W	5
4N 8+75W	5
4N 8+50W	5
4N 8+25W	5
0 1E	5
0 1+50E	20
0 5+75E	5
0 6+75E	5
0 7E	25
0 7+50E	5
0 7+75E	5
0 8+25E	5
0 8+50E	5
0 9+75E	130

APPENDIX 'B'

Assay Certificates
of Samples
taken by R. Hrkac
on Nov Claims
in October, 1983.

Assaying Completed by
Acme Analytical Laboratories.

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED OCT 4 1983

DATE REPORTS MAILED Oct 6/83

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PRULVERIZED TO -100 MESH.

ASSAYER _____ DEAN TOYE, CERTIFIED B.C. ASSAYER

APEX ENERGY CORP FILE # 83-2435 PAGE# 1

SAMPLE	AG OZ/TON	AU OZ/TON
58101	.01	.001
58102	.01	.001
58103	.01	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED OCT 4 1983

DATE REPORTS MAILED Oct 8/83

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca,P,Mg,Al,Ti,La,Na,K,W,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppm.
AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
SAMPLE TYPE - SOIL/SILT -80 mesh.

ASSAYER _____ DEAN TOYE, CERTIFIED B.C. ASSAYER

APEX ENERGY CORP PROJECT # NOV FILE # 83-2433 PAGE# 1

SAMPLE	CU ppm	AG ppm	AS ppm	Au* ppb
LN 10E	10	.2	8	12000
LNE 1+50E	79	1.5	60	205
LNE 5+75E	34	2.5	33	10
LNE 8E	81	1.9	65	460
LNE 9E	9	1.1	8	5
L8S 0+75E	73	1.5	67	85
L10S 0+75E SS	12	.2	12	80
L14S 4+50W	33	.5	24	105
STD A-1	30	.3	11	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED OCT 4 1983

DATE REPORTS MAILED Oct 18/83

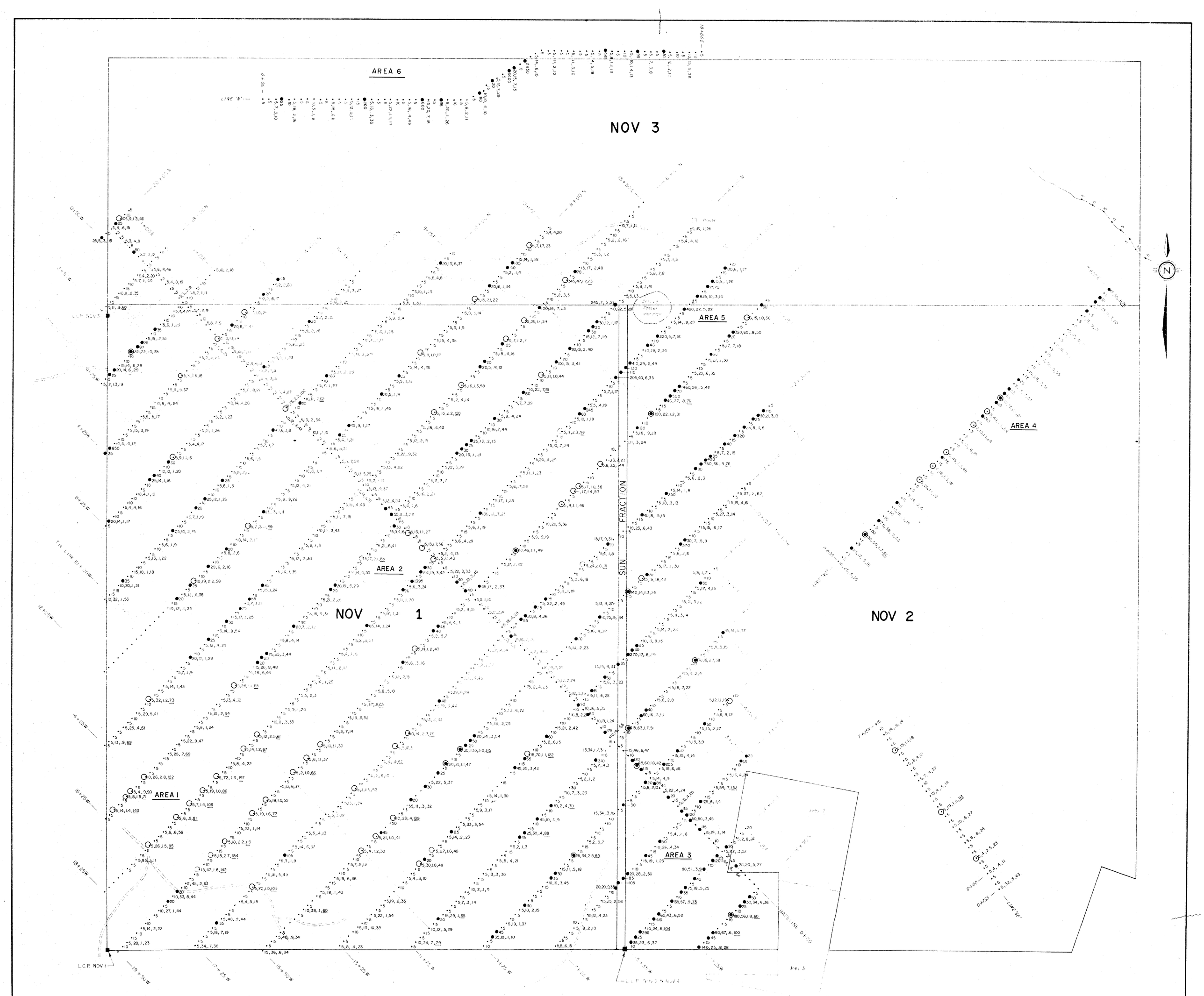
ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca,P,Mg,Al,Ti,La,Na,K,W,Ba,Si,Sr,Cr AND B. Au DETECTION 3 ppm.
AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
SAMPLE TYPE - SILT

ASSAYER _____ DEAN TOYE, CERTIFIED B.C. ASSAYER

APEX ENERGY CORP FILE # 83-2434 PAGE# 1

SAMPLE	CU ppm	AG ppm	AS ppm	Au* ppb
L1S 14+50W	36	.1	43	15
L2S 14+03W	75	1.6	24	5
L4S 3+75W	36	.3	16	5
LNE 9+80E	29	.2	10	5
LNE 10+25E	29	.4	8	5
LNE 11+20E	29	.3	9	5
STD A-1/AU-0.5	29	.3	10	515



LEGEND

SAMPLE INTERVAL - 25 METRES

• Au ppb, As ppm, Ag ppm, Cu ppm

ROAD

ANOMALOUS VALUES

- ● + 20 ppb Au
- ○ + 1.0 ppm Ag
- + 20 ppm As
- — + 60 ppm Cu

AREAS 1-6 = ANOMALOUS GEOCHEMICAL AREAS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,773

APEX ENERGY CORP.

"NOV" GROUP MINERAL CLAIMS

CARIBOO MINING DIVISION LIKELY, B.C.

GEOCHEMICAL SOIL SURVEY
Au, As, Ag, Cu

SCALE 1: 5000

Metres 100 0 100 200 300 400 500 Metres

MAP 93A/11W & 12E

FIGURE 5 SEPTEMBER, 1983

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA John W. DeZeeuw

NOV 22/83

NOV 3

AREA 6

Main Road

Placer Workings

River gravel

Flat gravel Terrace

10m drop Terrace

6m drop Terrace

outcrop x – possible phyllite

LINE 'N'

Placer sluice box

Steep Gravel Bank To Caribou River

AREA 5

House

Road Blocked

5' Quartz Vein N.40°E/? in phyllite

10' Overburden

Active Placer Operation

phyllite outcrop

Outcrop folded phyllite

Gravel Terrace

Area of old placer diggings

Outcrop Folded Phyllite

Sandy logged area

Terrace

steep gravel

LOGGED TREED

AREA 4

Good B horizon

FLAT

Gravel in road bank

AREA 2

FOREST HEAVY MOSS

Area of black organic soil

Old Road

PHYLLITE VOLCANIC ROCKS

SUN FRACTION

NOV 1

NOV 2

Road cut 6m high in glacial till

Area of stream gravels

Road cut and trench 8-10m high in glacial till

2X2m Float Talc rich brown spotted metamorphic rock

Float of Argillaceous Phyllite now common

5X10cm quartz float

MAINLY DRY LIGHT BRUSH

LOGGED TREES

58102 selected quartz sample

Pit 1.5m deep phyllite o.c.

Pit 3m deep no bedrock

AREA 3

Joey 2

Joey 3

Andesite float 6X6 cm

BOUNDARY OF Ag-Cu SOIL ANOMALY

Meta-volcanic angular float 1X1.5m

CEDAR & SPRUCE

AREA 1

Tuff Angular float 20X10cm

Andesite float 30X10 cm

Overgrown Road

Beaver Dam

Angular welded tuff

TREE AREA

LOGGED AREA SCRUB

carbonate bank deposits on till

Spring

Gully

Mixed till with angular volcanic float

LOGGED AREA

2m road bank no outcrop

Augite Porphyry

Fine grained Diorite float.

58103 1.5m chip in phyllite

Main Road 2-4m Till/gravel bank

MIXED TILL

Outcrop

BASELINE 0+00

LINE 'NE'

Tie Line 10+00W

L.C.P. NOV 1

L.C.P. NOV 2 & NOV 4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,773

LEGEND

- CREEK
- 3° SLOPE DIRECTION & ANGLE
- ROAD
- ⊗ FLOAT
- AREA 1-6 : ANOMALOUS GEOCHEMICAL AREAS

APEX ENERGY CORP.

"NOV" GROUP MINERAL CLAIMS

CARIBOO MINING DIVISION LIKELY, B.C.

GEOLOGICAL NOTES

SCALE = 1:5000

Metreres 100 0 100 200 300 400 500 Metres

MAP 93A/11W & 12E

FIGURE 6

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