826262

Report

on the

1981 Work Program

on the

WYN Mineral Claims,

Muchalat Inlet Area
Alberni Mining Division, British Columbia

For

DYNAMIC OIL LTD.

by

John S. Vincent, P.Eng.

Richmond, B.C. December, 1981.

John S. Vincent P. Eng.

TABLE OF CONTENTS

ILLUSTRATIONS

INTRODUCTION

In a report on the intial work program on the WYN mineral claims, dated July 10, 1981, it was concluded that 6 specific target areas had been identified for follow-up. During the remainder of the 1981 field season further geochemical sampling of rocks, soils, and stream silts was completed to accomplish the follow-up, and geolgical examination of a portion of the area was done late in the season. Several anomalies were confirmed, and others eliminated.

The purpose of this report is to describe the work done, discuss the results, and outline a continuing work program.

WORK DONE

A sampling crew consisting of 6 men under the supervision of Mr. Paul Michaels of HiTeck Management worked on the program during the period July 1st to August 31, 1981. The logging camp on Mooyah Bay afforded base camp facilities, and access was provided by truck, trail bike, and helicopter. A fly camp was established on the Sydney River to follow-up that particular area.

The WYN 16 and 17 claims were staked as shown on Figure 2 to protect a part of the area underlain by the airborne magnetic anomaly. The total claim block consists of 17 mineral claims for a total of 306 units. Assessment work must be recorded prior to February 13, 1982.

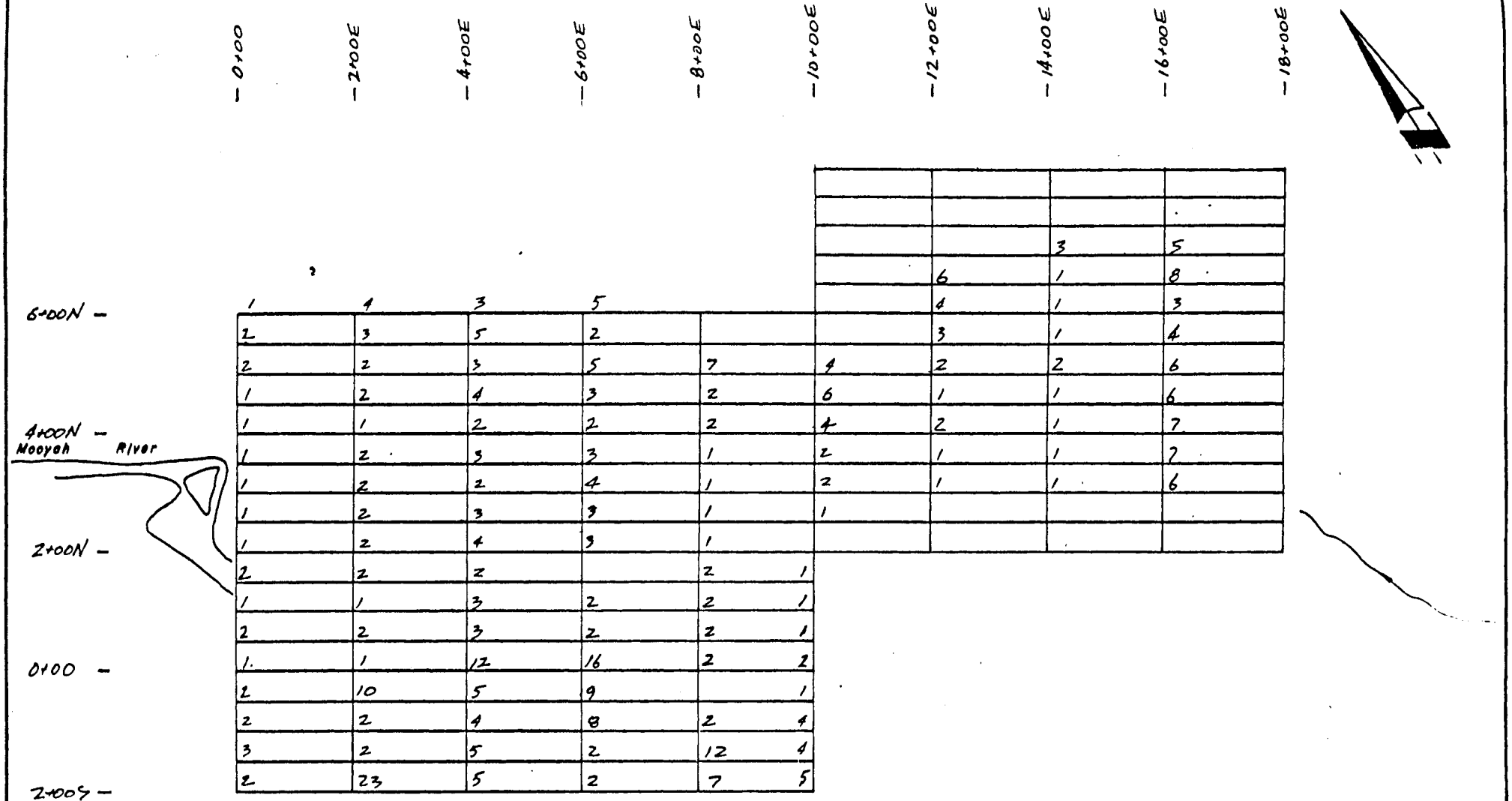
GEOCHEMISTRY

A total of 581 samples were collected over the property during the follow-up stage. Silts were collected from streams; outcrop of interest was sampled, and soil samples were taken over grids and single line traverses. Figures 3 and 4 show the sample sites and numbers of all the samples collected to date, and the location of detailed survey grids. Three separate grids were located for the purpose of evaluating anomalous geochemical responses identified in phase 1 of the program.

Sample record sheets were used which provide a UTM coordinate for each sample along with a description of the material collected. The standard Kraft soil envelopes were used, and the samples sent to Acme Analytical Laboratories Ltd. in Vancouver where each was analysed for molybdenum, copper, lead, zinc, silver, nickel, cobalt, manganese, iron, and arsenic by the induction coupled plasma (ICP) technique. Golds were run by standard atomic absorption. Results are reported in PPM.

MOOYAH RIVER GRID

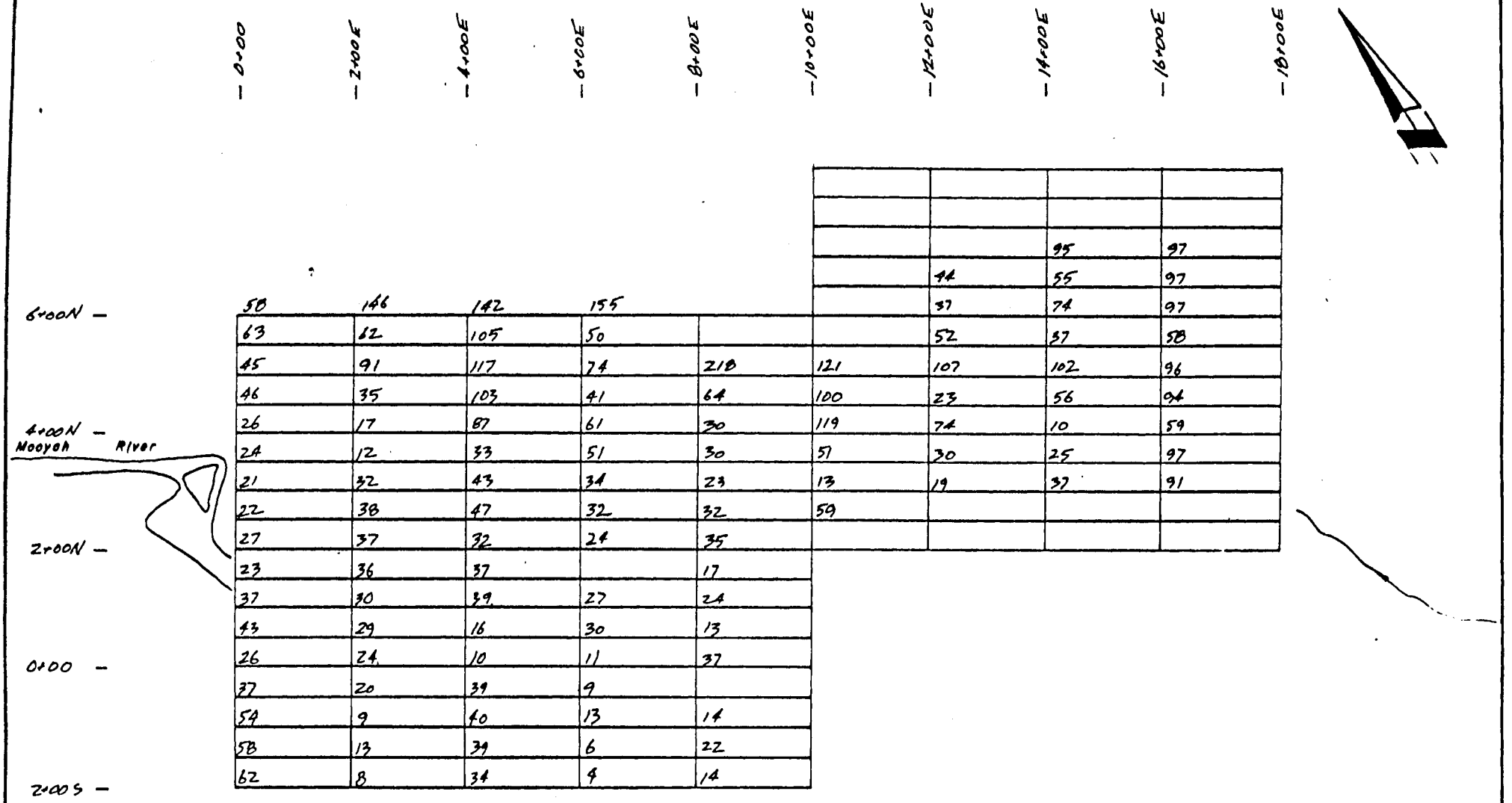
This grid is located as shown on Figure 3 and was layed out to cover the northwestern end of a strong dipolar magnetic anomaly definad by the earlier airborne survey. The grid lies across the river and valley and the central portion is underlain by thick gravel and transported overburden. The northeastern portion runs up the slope of the ridge. A total of 129 soil samples were collected at 50 meter stations along lines spaced at 200 meter intervals.



MOOYAH RIVER GRID
GEOCHEMICAL MAP
MOLYBDENUM - PPM

1 : 10,000

FIG. 9A

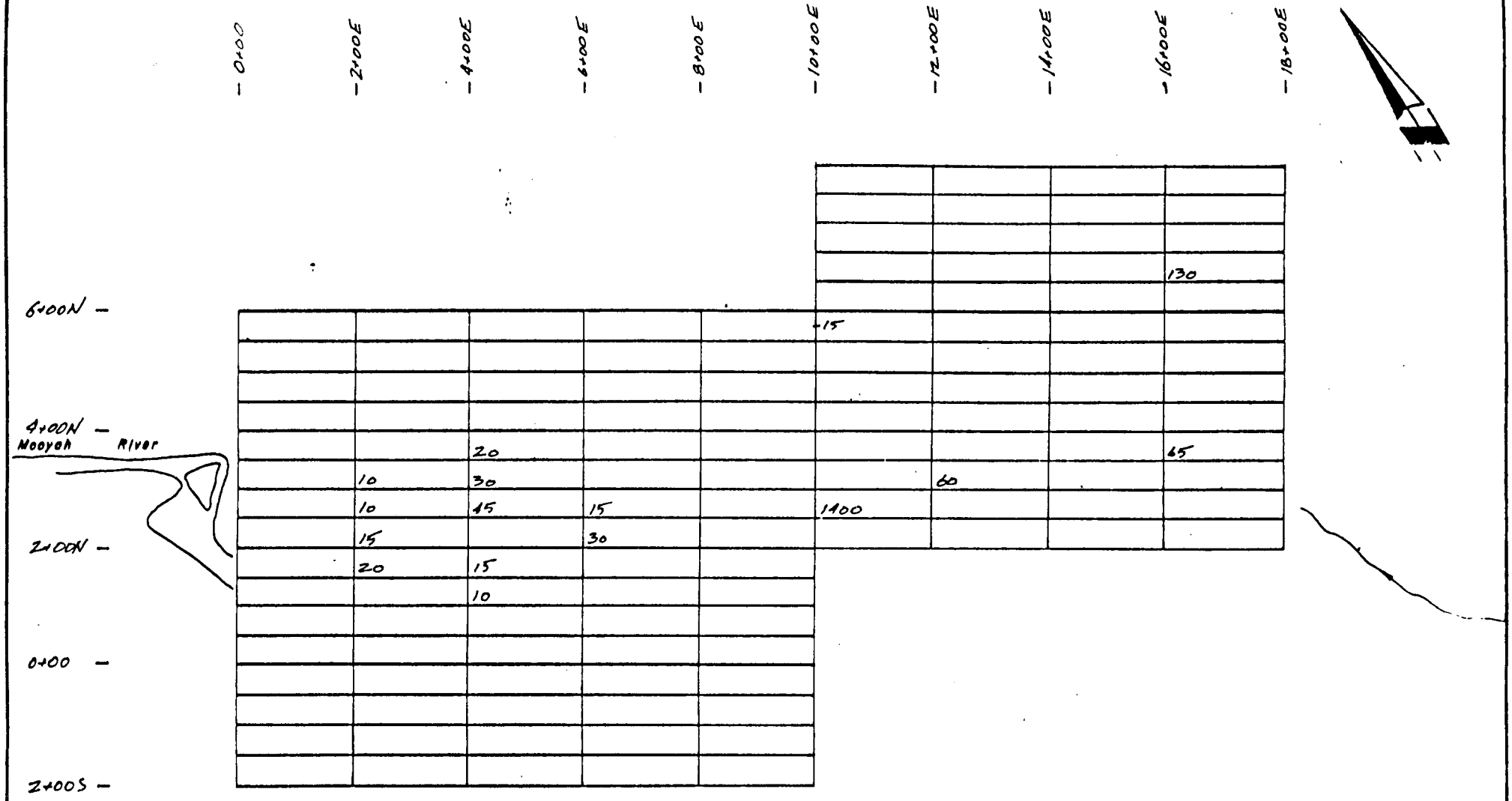


MOOYAH RIVER GRID
GEOCHEMICAL MAP

COPPER - PPM

1 : 10,000

FIG. 9B

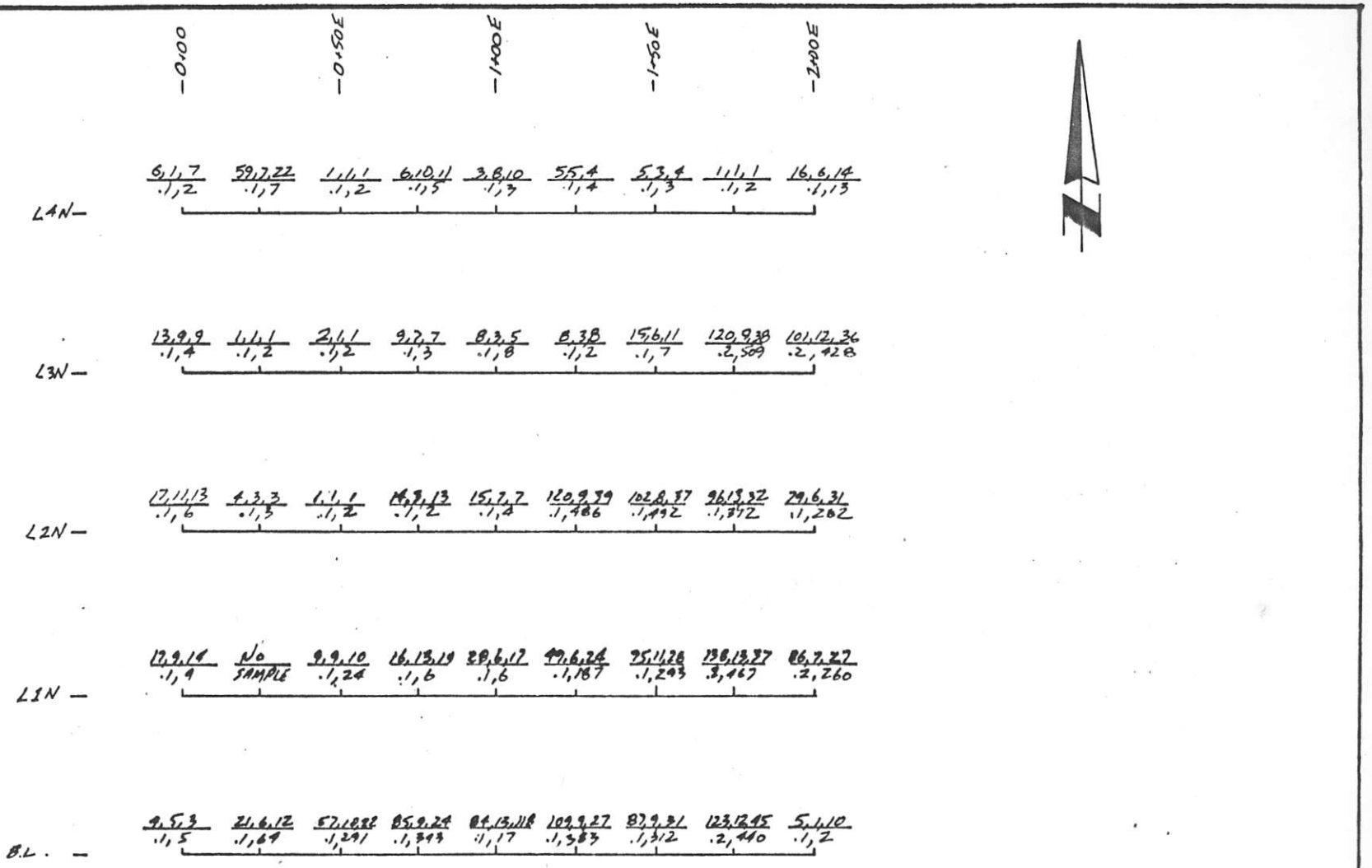


MOOYAH RIVER GRID
GEOCHEMICAL MAP

GOLD - PPB

1 : 10,000

FIG. 9C



MOUNT RUFUS GRID
GEOCHEMICAL MAP

1 : 2000

5,1,10
.1,2

Copper, Lead, Zinc
Silver, Arsenic

FIG. 12

Figures 9A, B, and C, illustrates the distribution of molybdenum, copper, and gold. Molybdenum and gold values of interest, as highlighted, occur in the area underlain by gravel and transported overburden, and thus do not likely reflect underlying mineralization. However, the anomalous copper values occur well up-slope across the northeastern end of the grid above the transported material. These values are supported by a strong copper response in samples numbered NS 28-36 collected in a single line traverse along a topographic contour immediately up-slope. Copper values range up to 200 ppm over a general background of 40-45 ppm. High arsenic values in excess of 100 ppm usually accompany the copper response. Lead and zinc do not have any appreciable signatures, while silver responds with an occasional erratic high. Nickel values are low, indicating that bedrock associations are not particularly basic in composition.

The geochemical response does not provide any further information relative to the magnetic anomaly, but it does indicate an area to be prospected across the northeastern end of the grid where the anomalous copper and arsenic values occur.

Although the molybdenum and gold values have probably been transported, some thought could be given to their direction of travel and possible source.

RUFUS MTN. AREA

Rufus Mountain is located 6,000 meters to the southeast of the Mooyah grid, and is a prominent feature of the northwesterly trending ridge which hosts the anomalous copper-arsenic values picked up on the grid. Initial soil sampling along the base of the southwest-facing flank of

the ridge provided an indication of several spots of interest. Additional soil sampling below the gossan zone sighted in the westerly-facing cliffs of Mt. Rufus confirmed the presence of anomalous copper and arsenic values. Grab samples of float from the gossan rubble consist of massive pyrrhotite and pyrite which contain rare flecks and stringers of chalcopyrite. Assay results on 3 specimens returned the following:

	COPPER	LEAD	ZINC	SILVER	GOLD
49404	0.43%	.01%	.01%	0.14 oz.	0.048 oz.
49405	0.18%	.01%	.01%	0.12 oz.	0.030 oz.
49406	0.03%	0.01%	0.01%	0.03 oz.	0.005 oz.

Two traverses were attempted across the ridge to the northwest of the gossans in an attempt to pick up a possible extension along strike, however, extremely rugged topography hampered access, and the samples collected were likely west of any possible northwesterly extension of the zones.

Prospecting and geological mapping is required, but access will be difficult and progress hampered by topography. Close examination of the gossans will be dangerous without the help of experienced climbers.

The 2 stream traverses shown on Figure 3 between Mt. Rufus and the Mooyah grid did not report anomalous values for any of the metals, and thus raises a question as to the continuity of the sulphide zones through this interval.

The soil response across the northeast end of the Mooyah grid suggests a sulphide source similar to that seen in the cliffs of Mt. Rufus. The lead-zinc response is not strong, indicating that these metals may not be well represented in these areas. There appears to be a significant potential for the occurrence of sulphide min-

eralization along this ridge, and a geological evaluation is required as the next step.

SYDNEY RIVER GRID

This grid is located on Figure 4, and was layed out to sample an area in the Sydney River valley where anomalous base metal values were identified in the initial regional survey. A total of 118 soil samples were collected at 100 meter intervals along lines spaced at 300 meters. Figures 10 A, B, C, and D show the distribution of moly/copper, lead/zinc, silver/gold, and arsenic.

(A) Molybdenum/Copper values do not coincide, but rather suggest two separate areas of interest. The westerly ends of lines 6,7, and 8 cover an anomalous molybdenum response which requires follow-up prospecting and possibly more detailed soil sampling. Intermediate lines should be sampled and extended further up the hill. The copper response appears to be confined to the southeastern portion of the grid on lines 1 and 2.

(B) Lead/Zinc values are generally low with backgrounds in the order of 6-7 and 20-25 ppm respectively. Levels in excess occur in the southeastern portion of the grid generally coincident with the copper.

Silver and arsenic show a preference for this grid area also. A few gold values of interest have a random scatter.

The necessary prospecting and geological work has not been done in the sydney River drainage due to geologist availability and weather problems, and this must be the next stage of evaluation.

KING PASSAGE

Two streams draining into King Passage-Muchalat Inlet returned anomalous sampling results of considerable interest. On Figure 3 sample numbers PM-1 through PM-15 identify a stream which produced a strong molybdenum response and an above average copper and silver response. The stream-silt molybdenum level is generally 1-3 ppm, and these values are all in the 12-22 ppm range. Copper levels are usually less than 50 ppm, and these are ranging 125-157 ppm. There are several silver values of 0.6 ppm over a general level of .1-.2. Arsenic levels are somewhat higher than usual with values ranging to 144 ppm over a general level of less than 40 ppm.

A stream to the southeast, shown on Figure 4, and identified by samples PM 85 through PM 103, returned 6 strong gold responses and several significant zincs. In this stream the zinc level is generally less than 25 ppm, and 11 samples range from 107 to 222 ppm. Two successive silt samples returned values of 130 and 280 ppb gold in the central part of the stream.

This stream is located approximately 1,000 meters northwest of the creek on which the old Silverado workings are located. The sampled stream cuts across the section, and the results may be reflecting an anomalous metal content stratigraphically above the horizon of interest which hosts the Silverado. Prospecting and geological reconnaissance is the next step in evaluating this area. The area is extremely rugged, and suitable experienced people will be required to assess it.

MT. SERGENT GRID

A total of 140 soil samples were collected over the grid on Mt. Sergent located as shown on Figure 3. This grid was layed out to detail the area up stream from silt sample number S 36 which returned values of 134 ppm copper, 44 ppm lead, and 3200 ppm zinc in a stream draining into the Zuciarte channel. The sample was retaken at the northwest corner of the grid, but the values were not duplicated. Soils were collected at 50 meter intervals along lines spaced at 100 meter intervals. No significant values are reported, and the area is of no further interest.

A number of possibly anomalous samples had been collected on the east flank of Mt. Sergent on the WYN 15 claim. Further sampling was done during the follow-up and the initial values generally repeated.

Geological examination was carried out in November for the purpose of evaluating the geochemical response, and it was found that the underlying rocks consist of a continuous section of sedimentary quartzites with minor interbedded limestones. The lower portion of the section exposed on the east side of the hill is more thinly bedded and contains several quartzite horizons which have a pyrite content of 10-15%. The geochemical anomalies coincide with these units, and it appears that the overall metal background is higher than adjacent pyrite-poor beds. Rare stringers of chalcopyrite are visible in places, and one small patch of malachite stain was found.

GEOLOGY

The logging roads on Mt. Sergent provide excellent access and bedrock exposure. In particular, the main haul road between the Zuciarte channel and Mooyah Bay exposes a cross section of the rocks underlying the mountain.

The rocks consist of a stratigraphic section of sediments which strike to the north and dip westerly at angles varying from 20^{o} on the bay side to 45^{o} on the west side. Quartizites predominate, with the lower half of the section being thinly bedded and containing limestone horizons. A fossiliferous unit has been opened up in one of the borrow pits along the road. The photos illustrate the nature of this thinly bedded portion of the section. The upper part of the section exposed on the west side of the mountain consists of thickly bedded massive black quartizites with a varying content of disseminated pyrite. The soil and silt samples taken along this side returned low values, and preclude further interest in the upper section.

The thinly bedded lower half of the stratigraphic section exposed along the east side, adjacent to Mooyah Bay, has particular units with a sufficient sulphide content to produce noticeable gossans. Oxidized beds, and lenticular zones within beds, stand out in contrast to the unmineralized units. Chip samples were collected from a number of these zones to evaluate metal content.

It is apparent that the geochemical signature across the east side of Mt. Sergent correlates with the thinly bedded pyritic units of the lower sedimentary section. Several stratigraphic sections require close examination and geochemical sampling to evaluate the potential for

stratabound mineralization.

The next stage of evaluation requires a comprehensive geological assessment to establish the geologic environment and correlate the geochemical results. Rock chip sampling across stratigraphic sections should be done in the anomalous areas in conjunction with mapping. Induced polarization or electromagnetic surveying will be required depending on the target, as indicated by the geologic setting.

DISCUSSION AND SUMMARY

Sulphide mineralization has been picked up in float on the east side of Mt. Sergent, below Mt. Rufus, and on the Sydney River grid. Massive sphalerite with significant lead, copper, silver, and gold values occurs on the Silverado in association with andesitic volcanics and interbedded limestone. A feldspar porphyry is mentioned in the old report, but the relationship is not known.

Northeast of the Silverado, on the shore line of King Passage, the old Baltic workings expose a quartz-bearing structure, or zone, which contains significant gold values according to a 1937 report by Bancroft (GSC Memoir 204, pp 18-20). Associated sulphides are pyrite, chalcopyrite, sphalerite, galena, and pyrrhotite. The gold occurs in the free state, and also in association with the sulphides. Massive granodiorite is the country rock, and the quartz veins are intimately associated with felsitic and feldspar porphyry dikes. This association is common in many gold camps.

The geochemical signatures in the areas which have a preliminary correlation with sulphides, either in float or outcrop, are anomalous relative to the general area,

but not spectacular when compared to the geochemical response in mineralized areas elsewhere in the cordillera. However, it is reasonable to expect that an appreciable amount of surface leaching takes place as a result of the excessive precipitation. Although pH measurements were not taken, it is expected that values would be high. Thus, a subdued geochemical signature might be expected.

The molybdenum response in 2 areas is a pleasant surprise, and may be found to be associated with the feldspar porphyry intrusives. Although no molybdenite mineralization has been found, it would be easily missed by inexperienced eyes.

The area from the Sydney River grid northwesterly through Mt. Rufus and the Silverado to King Passage must be regarded as a prime exploration target when the geochemical results and the indications of sulphide mineralization are considered. From an examination of float specimens of rock types and sulphide mineralization it is reasonable to suspect that volcanics underlie a significant portion of this area, and in addition, intrusive rocks may be well represented. Sediments occur in the Silverado area, but their extent is not known. Thus, the setting here appears to differ substantially from that seen on Mt. Sergent.

The economic potential on Mt. Sergent hinges on the ability of the sedimentary package of rocks to host stratabound mineralization. It must be determined whether the geochemical signature is responding to a high metal background in the thinly bedded lower section of the package, or whether concentrations of base metals, possibly economic, have been localized either by sedimentary or structural processes. Quartzitic sediments can be productive, but mineralization may be relatively subtle. Careful stra-

tigraphic mapping and sampling is required to properly assess this potential.

The conceptual work which initiated the program has been demonstrated to be sound, and the 1981 work program has been successful in outlining areas which warrant further attention. A total of $70,000 has be spent out of a budget estimated at $105,000. The under-expenditure is due primarily to the fact that geophysical surveys were not carried out as planned. Progress was considerably slower as a result of access problems and extreme topography.

CONCLUSIONS AND RECOMMENDATIONS

It can be concluded that the project to date has been successful in outlining areas which are anomalous in copper, molybdenum, zinc, and gold within a broad region selected on the basis of conceptual work. Sulphide mineralization has been found in float, and is known to occur on claims in the area, and further work is fully justified to establish the detailed geologic setting and effectively correlate the geochemical signature.

The 1982 program will require two 2-man crews with experienced geological people as party leaders. These crews will prospect and compile geological data in areas of interest and identify specific areas for detailed grid surveys. Soil sampling can be done as required, and geophysical work planned accordingly.

Every effort should be made to acquire a working option on the Silverado and Baltic crown granted area shown on Figure 2.

A budget is outlined as follows:

1.	Personnel:		
	Geologist; 1 mo. @ $3,500	$ 3,500	
	2 Sr. Asst.; 2 mos. @ $2,800	$11,200	
	2 Jr. Asst.; 2 mos. @ $1,800	$ 7,200	
	Consulting & Supervision 15 days @ $400	$ 6,000	
			$ 27,900.00
2.	Camp Costs:		
	300 man days @ $43.00		$ 12,900.00
3.	Transportation:		
	1 a) Truck; 6 days @ $90		$ 540.00
	b) Camp truck, est.		$ 700.00
	2 Helicopter; 30 hours @ $450		$ 13,500.00
	3 Misc.; supervisory travel		$ 1,000.00
			$ 15,740.00
4.	Analytical:		
	Estimate 800 samples @ $12.00		$ 9,600.00
5.	Geophysical:		
	Allow for a 2-man crew 25 days @ $750		$ 18,750.00
6.	Data Compilation and Reporting:		
	Allow 10% of total less helicopter cost ie. 10% of $71,390.00		$ 7,139.00
7.	Overhead and Administration:		
	@ 12%		$ 11,043.00
	Total		$103,072.00

Allow $100,000.00

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J.S. VINCENT

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

To: Glen White Geophysics,
9251 Beckwith Road,
Richmond, B.C.
V6X 1V7

File No. 81-0932
Type of Samples Soil, silt
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

(MOOYA BAY PROGRAMME, B.C.)

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As		
OAA 1	X	1	8	5	20	.1	4	4	215	1.2	5		1
2		1	10	5	20	.1	4	5	247	1.4	10		2
3		2	12	8	20	.1	4	9	402	1.5	9		3
4		1	8	6	22	.1	4	4	261	1.3	2		4
5	X	2	9	9	21	.1	4	7	368	1.3	12		5
6	A	2	27	8	74	.1	7	8	471	1.9	16		6
7		1	17	9	12	.1	5	3	68	2.9	14		7
8		1	17	8	16	.1	5	8	215	1.5	10		8
9		2	26	8	65	.1	6	10	834	1.9	18		9
10		1	10	4	24	.1	3	2	258	1.6	12		10
11		1	5	3	9	.1	1	2	39	.7	8		11
12		1	32	6	109	.1	8	8	749	1.5	17		12
13		2	10	5	25	.1	2	2	138	1.1	10		13
14		2	14	9	54	.1	3	3	246	1.8	21		14
15		1	29	9	84	.1	6	11	695	1.3	14		15
16		2	19	7	42	.1	5	4	218	2.1	16		16
17		2	22	8	52	.1	5	3	149	2.5	19		17
18		1	27	4	95	.1	8	9	542	2.0	19		18
19		1	25	7	69	.1	7	8	465	1.9	18		19
20		1	15	7	18	.1	3	2	121	1.6	8		20
21		1	12	5	12	.1	2	2	119	2.3	7		21
22		1	6	10	9	.1	1	1	68	2.4	10		22
23		2	16	8	11	.1	1	1	66	1.9	10		23
24		1	5	1	6	.1	1	1	11	.1	2	org.	24
25		1	2	1	2	.1	1	1	33	.6	2		25
26		1	5	5	11	.1	1	1	64	.8	7		26
27		1	21	12	5	.1	2	1	68	.6	2	org.	27
28		1	6	5	19	.1	2	2	113	1.0	4		28
29		2	74	9	12	.1	1	2	58	1.9	10		29
30		1	9	6	14	.1	2	2	101	1.0	7		30
31		1	12	9	16	.1	2	2	68	.9	3		31
32		1	88	12	41	.4	4	2	134	1.7	13		32
33		1	68	10	28	.3	3	1	88	2.6	9		33
34		1	4	3	9	.1	2	1	42	.1	3		34
OAA 35	A	1	5	5	9	.1	3	2	56	.9	2		35
													36
													37
													38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.
DIGESTION:
DETERMINATION:

* A = Δ

DATE SAMPLES RECEIVED Aug. 3, 1981
DATE REPORTS MAILED Aug. 11, 1981
ASSAYER DKG

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-0932

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As		
RA 1 1+00	A	1	61	10	22	.1	2	1	93	3.2	8		1
2 2+00		2	48	6	32	.1	13	9	103	6.2	31		2
3 3+00		1	55	5	23	.1	9	6	100	1.8	43		3
4 4+00		2	38	8	22	.1	5	3	82	6.5	15		4
5 6+00		3	49	7	55	.1	24	6	127	3.6	10		5
6 8+00		3	86	9	92	.2	32	22	1300	3.9	19		6
7 9+00		3	55	6	29	.1	9	7	278	5.2	23		7
8 10+00		2	54	9	45	.2	14	6	103	4.1	16		8
9 11+00		2	80	8	24	.1	7	4	82	4.5	16		9
10 12+00		1	47	8	15	.1	3	2	42	2.8	7		10
11 13+00		5	186	9	43	.5	7	14	166	9.9	23		11
12 15+00		1	51	5	59	.2	24	21	695	4.3	57		12
13 16+00		1	79	10	135	.4	52	20	544	3.9	14		13
14 17+00		3	58	8	93	.3	34	15	376	3.7	9		14
15 18+00		2	46	5	92	.1	32	12	270	2.6	8		15
16 19+00		1	61	8	115	.2	42	14	684	3.3	12		16
17 20+00		1	64	9	141	.4	33	17	645	3.7	25		17
20		1	46	7	37	.1	11	11	329	1.9	14		18
21		1	33	3	26	.1	8	7	220	1.3	9		19
22		1	47	8	68	.1	10	10	280	1.5	11		20
23		1	42	9	40	.1	9	14	528	1.7	14		21
RA 24	A	1	91	8	54	.1	14	16	430	2.4	19		22
													23
NS 4	X	1	53	4	68	.1	33	12	328	2.1	24	P	24
5		1	41	5	25	.1	12	58	844	2.5	19	P	25
6		1	57	7	34	.1	15	32	497	3.0	16	P	26
7		1	25	4	27	.2	13	20	360	3.1	15	P	27
8		1	53	8	88	.1	34	19	650	3.0	32		28
9		1	48	7	72	.1	28	14	532	2.7	27		29
10		1	41	7	81	.1	24	31	1237	2.6	19		30
11		1	38	4	90	.1	24	25	1182	3.0	27		31
12		2	44	6	93	.1	29	27	985	2.9	26		32
13		2	47	7	108	.2	25	27	1000	3.1	38		33
14		1	30	6	77	.1	17	38	996	2.4	33		34
15	X	1	89	6	82	.2	24	22	425	3.4	24		35
16	A	1	2	7	3	.1	1	1	15	.2	2		36
17	A	1	3	2	14	.1	1	1	13	.1	2	P	37
NS 18	A	1	2	4	4	.1	1	1	12	.2	3	P	38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION: _____

DETERMINATION: _____

* P = pulverized

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER _____

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-0932
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	
NS 19	A	1	34	5	28	.1	7	8	147	1.5	4	1
20		1	2	4	2	.1	1	1	17	.5	2	2
21		1	8	3	9	.1	2	6	82	1.2	1	3
22		1	5	6	3	.1	1	1	27	1.6	3	4
23		1	7	5	14	.1	4	4	98	1.1	4	5
24		1	2	4	5	.1	1	1	20	.3	1	6
25	A	3	10	7	19	.1	4	4	134	4.9	8	7
26	N.S.											8
NS 27	A	7	10	8	23	.1	4	7	158	2.8	8	9
												10
NS 28	A	4	69	10	28	.4	8	6	124	4.6	53	11
29		2	103	9	32	.2	11	8	101	3.2	62	12
30		4	132	9	61	.7	13	24	376	4.5	290	13
31		3	144	11	35	.3	15	19	223	3.2	103	14
32		7	205	6	72	.6	18	22	167	4.8	172	15
33		5	188	6	34	.3	15	14	133	4.1	198	16
34		8	173	11	61	.5	17	27	230	4.7	388	17
35		5	106	10	47	.3	17	32	299	3.9	689	18
36	A	4	147	5	34	.3	15	9	114	3.7	97	19
37	X	1	23	4	95	.1	7	8	434	1.6	14	20
38		1	19	4	58	.1	4	4	346	1.4	21	21
39		3	40	7	129	.1	10	20	1843	2.0	21	22
40		1	23	6	84	.1	9	7	440	1.6	11	23
41		1	22	6	87	.1	4	6	458	1.5	14	24
42		1	17	3	64	.1	4	6	341	1.3	19	25
43		1	14	6	16	.1	2	4	213	1.3	10	26
44		1	8	6	17	.1	2	3	244	1.2	8	27
45		1	9	8	28	.1	3	4	206	1.3	7	28
46		1	11	5	18	.1	3	3	203	1.1	8	29
47		1	7	5	16	.1	1	3	209	1.2	7	30
48		1	7	5	16	.1	3	3	189	1.2	8	31
49		1	6	7	16	.1	2	3	197	1.1	9	32
50		1	8	5	20	.1	2	3	180	1.4	16	33
51		1	33	6	27	.1	7	10	248	1.4	10	34
52		1	46	6	36	.1	9	9	328	1.7	11	35
53		1	34	4	27	.1	6	7	274	1.4	9	36
54		1	37	6	31	.1	7	7	263	1.4	10	37
NS 55	X	1	31	6	30	.1	8	7	483	1.7	8	38
												39
												40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen E. White Geophysics

File No. 81-0932

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	
NS 56	X	1	33	5	22	.1	5	5	221	1.2	5	1
57		1	24	5	22	.1	4	7	198	1.0	7	2
58		1	32	5	31	.1	6	6	332	1.5	11	3
59		1	20	4	21	.1	4	5	215	1.2	5	4
60		1	23	7	20	.1	5	8	213	1.2	5	5
NS 61	X	1	24	4	22	.1	4	4	193	.9	6	6
												7
P 45	A	1	106	24	1776	1.4	132	26	827	3.1	118	8
45A		4	234	13	460	1.5	139	34	672	3.7	71	9
45B		3	56	20	374	.7	69	35	837	3.5	68	10
45C		2	86	12	372	.4	78	19	707	3.0	50	11
45D		1	77	16	116	.4	23	10	211	2.6	30	12
45E		3	78	14	121	.5	23	31	625	3.9	50	13
45F		1	81	8	136	.2	25	14	413	1.9	18	14
P 45G	A	3	103	12	199	.8	27	36	1396	3.7	107	15
												16
PM 2	X	14	125	7	73	.4	18	26	515	4.2	115	17
3		16	143	8	87	.5	20	36	660	4.8	144	18
4		22	173	12	90	.6	21	36	631	5.3	112	19
5		12	132	12	91	.4	20	32	585	4.4	131	20
6		16	155	3	77	.4	23	44	491	4.6	140	21
7		17	181	9	91	.5	21	42	651	5.1	95	22
8		15	144	7	76	.4	17	25	430	4.1	50	23
9		17	146	6	92	.5	22	31	574	5.2	19	24
10		19	154	7	85	.4	20	27	514	5.0	20	25
11		19	165	10	140	.6	21	47	797	5.5	23	26
12		22	157	9	96	.5	22	28	539	4.8	18	27
PM 15	X	22	157	11	67	.1	15	8	82	1.6	12	28
												29
JM 1	X	3	44	6	66	.1	8	13	305	2.7	12	30
2		1	52	7	52	.1	8	11	278	2.5	8	31
3		2	45	4	59	.1	9	12	351	2.6	11	32
4		2	47	6	54	.1	9	11	307	2.5	8	33
5		2	44	7	54	.1	9	13	484	2.4	6	34
6		2	43	5	47	.1	7	10	274	2.3	3	35
7		3	56	8	60	.2	9	12	352	3.0	11	36
JM 8	X	1	33	7	35	.1	7	9	255	2.2	8	37
												38
												39
												40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION: _____

DETERMINATION: _____

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER _____

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-0932

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	
JM 9	X	2	51	8	57	.1	9	11	348	2.6	8	1
10		1	47	6	45	.1	8	10	334	2.3	8	2
11		2	100	7	76	.2	13	15	411	3.1	12	3
12		1	31	7	37	.2	5	9	254	2.1	5	4
13		1	76	5	63	.1	10	14	408	2.8	7	5
14		1	39	4	37	.1	6	9	298	1.8	7	6
15		2	79	7	63	.1	11	14	379	2.8	9	7
16		1	69	4	42	.1	8	12	383	2.5	3	8
17		1	75	4	75	.1	14	15	331	2.8	8	9
18		1	77	4	79	.1	16	17	307	2.8	12	10
19		1	96	8	96	.1	17	19	307	3.1	14	11
20		2	76	8	111	.1	22	20	273	3.1	20	12
JM 21	X	2	88	9	270	.4	22	19	370	4.5	66	13
												14
Th 1	A	1	53	8	30	.1	12	8	255	2.1	16	15
1A		1	10	8	11	.1	2	1	44	.3	2	16
2		1	59	8	44	.1	13	14	454	1.7	11	17
3		1	42	6	35	.1	8	12	356	1.6	12	18
4		1	59	10	34	.1	10	11	339	2.1	11	19
Th 5	A	1	46	6	19	.1	6	16	270	2.1	5	20
												21
Th 8 OE 1+35 N	X	1	17	5	17	.1	5	24	340	2.3	3	22
9 OE 1+00 N		1	12	6	12	.1	4	2	63	.9	4	23
11 OE 0 N	X	1	15	7	17	.1	5	7	158	2.6	4	24
12 OE 0+50 S	X	1	34	7	25	.1	7	9	206	2.7	2	25
13 OE 1+00 S	X	2	45	8	33	.1	10	10	235	4.2	6	26
15 OE 2+00 S	A	1	5	6	3	.1	3	1	15	1.3	2	27
16 OE 2+50 S		1	17	2	8	.1	10	3	33	.5	2	28
17 OE 3+00 S		1	3	4	6	.1	3	1	17	.2	2	29
18 OE 3+50 S		1	4	5	14	.1	1	1	94	.1	2	30
Th 19 OE 4+00 S	A	1	15	8	4	.1	1	1	20	.6	4	31
												32
Th 10 3N 2+00 E	A	2	101	12	36	.2	12	21	465	2.8	428	33
11 3N 1+75 E		1	120	9	38	.2	14	29	287	2.6	509	34
12 3N 1+50 E		1	15	6	11	.1	2	2	117	1.2	7	35
13 3N 1+25 E		1	8	3	8	.1	2	2	71	1.1	2	36
14 3N 1+00 E		1	8	3	5	.1	2	1	48	1.4	8	37
Th 15 3N 0+75 E	A	1	9	7	7	.1	2	1	65	1.3	3	38
												39
												40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-0932

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	
Th 16 3N 0+50 E	A	1	2	1	1	.1	1	1	13	.3	2	1
17 3N 0+25 E	A	1	1	1	1	.1	1	1	12	.3	2	2
Th 18 3N 0+00 E	A	1	13	9	9	.1	2	1	48	2.9	4	3
												4
Th 1 4N 0+00 E	A	1	6	1	7	.1	2	2	63	1.2	2	5
2 4N 0+25 E		1	59	7	22	.1	6	9	149	2.1	7	6
3 4N 0+50 E		1	1	1	1	.1	1	1	19	.6	2	7
4 4N 0+75 E		1	6	10	11	.1	2	1	57	1.7	5	8
5 4N 1+00 E		1	3	8	10	.1	2	3	142	.6	3	9
6 4N 1+25 E		1	5	5	4	.1	1	1	38	.8	4	10
7 4N 1+50 E		1	5	3	4	.1	1	1	23	.7	3	11
8 4N 1+75 E		1	1	1	1	.1	1	1	10	.4	2	12
Th 9 4N 2+00 E	A	1	16	6	14	.1	2	3	310	.8	13	13
												14
0N 0+00 E	A	2	4	5	3	.1	1	1	27	1.8	5	15
0+25	X	1	21	6	12	.1	4	6	185	1.0	64	16
0+50	A	1	57	10	22	.1	7	7	131	2.3	291	17
0+75	A	1	85	9	24	.1	12	12	170	2.4	343	18
1+25	A	1	102	9	27	.1	16	26	250	2.3	383	19
1+50	X	1	87	9	31	.1	13	17	222	1.9	312	20
0N 1+75 E	A	1	123	12	45	.2	13	30	508	3.1	440	21
												22
1N 0+00 E	A	3	17	9	14	.1	2	1	86	3.8	9	23
0+50		1	9	9	10	.1	2	2	63	3.0	24	24
0+75		1	16	13	19	.1	4	3	87	2.1	6	25
1+00	A	1	28	6	17	.1	6	6	171	1.1	6	26
1+25	X	1	49	6	24	.1	7	12	224	1.6	187	27
1+50	A	1	75	11	28	.1	12	15	293	2.3	293	28
1+75	A	1	138	13	37	.2	12	23	321	3.2	467	29
1N 2+00 E	A	1	86	7	27	.2	12	20	218	2.3	260	30
												31
2N 0+00 E	A	1	17	11	13	.1	3	1	79	3.5	6	32
0+25		1	4	3	3	.1	1	2	32	1.4	3	33
0+50		1	1	1	1	.1	1	1	14	.3	2	34
0+75		1	14	3	13	.1	3	3	128	1.1	2	35
1+00		1	15	7	17	.1	3	4	205	.9	4	36
1+25		1	120	9	39	.1	13	28	295	2.6	486	37
2N 1+50 E	A	1	102	8	37	.1	13	24	258	2.3	492	38
												39
												40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

To: Glen White Geophysics

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

File No. 81-0932

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	
2N 1+75 E	A	1	96	13	32	.1	10	18	317	2.6	372	1
2N 2+00 E	A	1	79	6	31	.1	10	16	208	1.9	282	2
												3
1E 0+00	A	1	3	5	5	.1	1	1	27	.2	2	4
0+50 S		1	1	7	2	.1	1	1	18	2.4	2	5
1+00		2	6	11	2	.1	1	1	20	3.8	2	6
1+50		1	7	6	6	.1	2	1	44	1.6	3	7
2+00		1	2	7	1	.1	1	1	17	.5	2	8
2+50	A	1	16	5	7	.1	3	1	34	.8	2	9
3+00 S	X	2	89	9	63	.2	17	28	638	4.1	20	10
3+50	A	1	3	5	2	.1	1	1	14	.1	2	11
1E 4+00 S	A	1	5	8	8	.1	2	1	68	1.9	2	12
												13
1E 0+50 N	A	1	3	5	4	.1	1	1	38	3.6	2	14
1+00		1	1	3	1	.1	1	1	14	.1	2	15
1+50		3	6	6	8	.1	2	1	40	5.0	2	16
2+00	A	1	3	5	16	.1	10	4	86	1.5	2	17
2+50	X	2	55	5	63	.1	15	27	660	4.1	19	18
3+00	X	1	43	8	43	.1	11	19	382	3.4	16	19
3+50	X	2	62	8	69	.2	17	32	759	4.3	23	20
1E 4+00	A	2	64	8	66	.1	17	26	564	4.3	19	21
												22
2E 0+00 (N.S.)	A	2	61	9	63	.2	13	15	237	4.2	17	23
0+50 S		1	4	3	3	.1	1	1	23	.6	2	24
1+00		5	18	9	16	.1	4	3	89	7.5	7	25
1+50		3	64	9	68	.2	13	15	215	4.9	22	26
2+00		1	14	7	19	.1	5	4	106	2.9	2	27
2+50		3	13	6	10	.1	3	1	47	4.7	6	28
3+00		1	11	7	8	.1	3	1	54	.7	2	29
3+50		1	5	3	4	.1	1	1	25	1.3	2	30
2E 4+00 S	A	1	11	8	10	.1	3	2	75	1.8	4	31
												32
2E 0+50 N	A	1	1	6	1	.1	1	1	13	.1	2	33
1+00		1	2	5	6	.1	1	1	45	.5	2	34
1+50		2	26	9	14	.1	4	2	70	3.8	8	35
2+00		2	24	7	28	.1	4	4	115	3.3	2	36
2+50		1	5	1	9	.1	1	1	6	.1	2	37
3+00		3	13	6	11	.1	3	3	57	3.2	4	38
3+50		4	35	6	17	.1	4	6	118	3.2	9	39
2E 4+00 N	A	2	23	6	7	.1	2	1	28	1.8	3	40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION: _____

DETERMINATION: _____

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER _____

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-0932

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	
6E 2+00 S	A	2	7	7	4	.1	1	1	19	4.4	2	1
2+50		1	10	7	11	.1	3	2	34	.6	2	2
6E 3+00 S	A	1	4	5	2	.1	1	1	22	.9	2	3
												4
6E 0+50 N	A	1	2	5	6	.1	1	1	34	1.4	2	5
1+00		1	6	7	6	.1	1	1	30	2.2	2	6
1+50		1	3	5	12	.1	1	1	29	.1	2	7
2+00		1	3	1	10	.1	1	1	8	.1	2	8
2+50		1	1	8	3	.1	1	1	28	.6	2	9
3+00		1	21	11	21	.1	3	2	66	2.8	2	10
3+50		1	6	7	2	.1	1	1	18	.5	2	11
6E 4+00 N	A	1	15	9	5	.1	1	1	22	.5	2	12
												13
7E 0+00	A	1	7	11	4	.1	1	1	21	.3	2	14
0+50 S		1	4	5	9	.1	1	1	100	.3	2	15
1+00		1	8	6	18	.1	4	2	49	1.5	2	16
2+00		1	8	6	10	.1	3	1	42	2.2	5	17
2+50		1	20	8	39	.1	6	21	539	3.0	16	18
3+00		1	2	5	3	.1	1	1	25	.3	2	19
7E 3+50 S (NS)	A	1	4	4	12	.1	1	1	13	.1	2	20
												21
7E 0+50 N	A	1	1	1	1	.1	1	1	11	.2	2	22
1+00		1	2	1	12	.1	1	1	13	.1	2	23
1+50		1	4	4	13	.1	1	1	63	.2	2	24
2+00		1	2	2	5	.1	1	1	27	.4	2	25
2+50		1	5	9	7	.1	1	1	24	.2	3	26
3+50		1	35	8	8	.1	3	1	26	3.0	2	27
7E 4+00 N	A	1	6	6	4	.1	1	1	30	2.6	2	28
												29
8E 0+00 S	A	1	3	1	7	.1	1	1	26	.4	2	30
0+50		1	5	2	10	.1	2	2	30	.6	2	31
1+00		1	6	6	21	.1	1	2	165	.2	2	32
1+50		1	4	1	17	.1	1	1	80	.1	2	33
2+00		1	13	8	16	.1	3	12	218	1.4	2	34
2+50		1	7	2	12	.1	4	3	71	.8	2	35
3+00		1	2	2	3	.1	1	1	28	.7	2	36
3+50		1	3	4	1	.1	1	1	9	.6	2	37
8E 4+00 S	A	1	1	4	2	.1	1	1	21	.1	3	38
												39
												40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION: _____

DETERMINATION: _____

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER _____

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-0932
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As		
3E 0+00 BL	X	2	96	7	55	.3	14	22	573	4.2	11		1
1+00 S	X	3	91	7	59	.2	14	19	379	5.1	30		2
1+50	A	1	12	4	12	.1	3	2	88	1.2	2	P	3
2+00		1	7	9	34	.1	8	6	182	2.6	2	P	4
2+50		1	4	1	5	.1	1	1	9	.1	2	P	5
3E 3+50 S	A	1	18	4	11	.1	4	4	108	1.4	2		6
													7
3E 1+50 N	A	1	4	4	5	.1	1	1	33	.1	2		8
2+00		1	2	1	6	.1	1	1	29	.1	2		9
3E 2+50 N	A	1	3	2	10	.1	1	1	28	.1	2		10
													11
4E 2+50 N	A	1	5	6	13	.1	2	2	92	2.5	2		12
													13
5E 0+00	A	1	8	9	9	.1	1	1	50	4.0	2		14
0+50 S		1	11	8	5	.1	2	1	11	1.7	2	P	15
1+00		1	31	11	17	.1	4	3	89	3.8	2		16
1+00A		3	108	12	172	.4	36	29	902	3.8	27		17
1+50		1	3	5	2	.1	1	1	15	.3	2		18
2+00		1	7	4	6	.1	2	1	11	.8	2		19
2+00A		1	88	12	402	.7	45	19	621	2.7	25		20
2+50		1	24	9	8	.1	3	1	28	.3	2		21
3+00		1	43	3	25	.1	5	5	88	4.3	5		22
3+00A		4	98	10	99	.4	25	22	739	4.5	25		23
5E 3+50 S	A	6	81	13	49	.1	13	14	232	4.6	31		24
													25
5E 0+50 N	A	1	4	5	8	.1	12	3	34	.7	2		26
0+50A		3	65	10	60	.1	19	24	777	4.4	21		27
1+00		1	4	8	6	.1	1	1	62	2.6	2		28
1+50		1	34	14	11	.1	2	1	46	3.6	4		29
2+00		1	2	1	3	.1	1	1	28	.3	2	P	30
2+50		1	6	6	5	.1	1	1	31	2.7	2		31
3+00		4	8	11	5	.1	1	1	21	6.7	2		32
3+50		3	31	10	18	.1	3	2	96	4.0	4		33
5E 4+00 N	A	1	41	11	17	.1	4	4	106	3.6	2		34
													35
6E 0+00 BL	A	1	4	3	7	.1	1	1	28	1.0	2		36
0+50 S		1	3	5	12	.1	2	2	75	.5	2		37
1+00		1	27	6	9	.1	5	3	45	.1	2	P	38
6E 1+50 S	A	1	4	4	14	.1	1	1	48	.3	2	P	39
													40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-0932
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As
8E 0+50 N	A	1	4	6	6	.1	2	1	65	1.1	2
1+00		1	8	6	11	.1	2	1	43	2.3	2
1+50		1	3	7	3	.1	6	1	63	1.1	2
2+00		1	7	6	7	.1	2	1	40	2.9	2
2+50		1	6	6	5	.1	1	1	39	1.0	2
3+00		1	4	7	4	.1	1	1	39	2.6	2
3+50		2	27	7	10	.1	3	1	48	6.2	2
8E 4+00 N	A	1	19	8	8	.1	3	1	43	.3	3
9E 0+00 BL	A	1	48	14	114	.2	50	20	706	2.9	38
0+50		1	37	10	40	.1	3	18	500	2.0	6
2+00		1	32	9	32	.1	4	5	82	3.3	7
2+50		1	39	9	31	.1	4	4	82	3.2	4
3+00		1	13	6	15	.1	4	21	440	1.5	11
3+50		4	25	8	99	.1	6	3	90	4.0	19
9E 4+00 S	A	1	80	9	56	.1	12	19	291	3.2	25
9E 0+50 N	A	1	48	11	34	.1	6	8	112	5.2	12
1+00		3	52	12	36	.1	5	7	96	6.2	13
1+50		1	63	11	35	.1	8	19	140	3.5	9
2+00		2	47	10	46	.1	10	29	344	3.2	10
2+50		4	376	14	73	1.9	37	45	430	7.0	18
9E 3+00 N	A	1	31	10	35	.1	9	5	90	4.1	5
no sample no.		1	3	3	6	.1	2	1	38	.4	2

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-0932
Type of Samples Rock
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As		
NS 17 A	1	2	2	11	.1	3	4	183	1.1	2		1
PM 08	812	342	4	20	.6	9	22	452	14.8	2	PM01	2
16	1	192	11	11	.4	20	25	149	2.4	21		3
PM 46 A	6	453	7	63	1.1	64	41	277	6.8	44		4
												5
TH 04 OE 3N	1	7	4	14	.1	7	5	147	1.7	5		6
TH 06 OE 2N	1	98	7	30	.3	12	24	383	3.1	7		7
TH 10 OE 0+50N	1	43	9	16	.1	6	11	208	2.1	2		8
TH 14 OE 1+50S	1	171	8	7	.1	29	14	61	.8	6		9
												10
LON 1+00 E	1	84	13	118	.1	3	21	230	3.1	17		11
LON 2+00 E	1	5	1	10	.1	2	1	130	.6	2		12
												13
L3N 0+50 N	1	33	6	15	.1	1	1	166	1.7	3		14
L3N 1+00 N	1	26	7	13	.1	16	8	66	1.1	5		15
												16
												17
												18
												19
												20
												21
												22
												23
												24
												25
												26
												27
												28
												29
												30
												31
												32
												33
												34
												35
												36
												37
												38
												39
												40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 3, 1981

DATE REPORTS MAILED Aug. 11, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics
9251 Beckwith Road,
Richmond, B.C.
V6X 1V7

File No. 81-1106
Type of Samples Soil, silt & Rock
Disposition Re-run

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
GC 1 L9E	A	1	13	5	7	.1	5	1	35	4.2	12	.005	1
2	A	1	49	5	14	.1	10	3	222	1.5	18	.005	2
3	A	6	10	16	9	.1	2	1	61	1.6	6	.005	3
4	B	1	2	1	5	.1	1	1	89	.3	2	.005	4
5 L9E	A	2	21	7	11	.1	7	2	42	3.2	5	.005	5
6 L8E	A	1	89	4	19	.1	13	8	136	1.5	2	.005	6
7	A	4	13	6	6	.1	4	2	30	1.5	2	.005	7
8	B	1	11	4	6	.1	7	2	63	1.2	2	.005	8
9 L8E	B	2	29	7	45	.1	11	10	453	1.7	10	.005	9
GC 10 L9E	A	5	8	13	13	.1	4	1	37	.8	10	.015	10
													11
GC 11	X	1	61	10	138	.1	19	13	350	2.1	34	.005	12
12	X	1	87	9	76	.1	25	13	276	1.9	23	.005	13
13	X	1	70	10	112	.1	24	14	395	2.1	37	.005	14
14	A	2	35	15	93	.3	15	12	472	2.9	34	.005	15
15	A	1	98	16	142	.5	25	15	286	3.5	64	.005	16
16	A	1	74	15	165	.4	29	23	681	2.5	38	.005	17
GC 17	X	1	70	12	160	.2	23	17	502	2.3	48	.005	18
													19
NS 62	A	1	36	7	15	.1	17	7	53	1.9	4	.005	20
63		1	15	8	7	.1	6	1	72	2.8	5	.005	21
64		1	15	5	6	.1	6	1	28	2.8	2	.005	22
65		1	23	5	6	.1	7	2	22	2.9	3	.005	23
66		2	17	7	6	.1	7	1	28	4.6	2	.005	24
67		1	38	13	12	.1	9	1	55	5.5	7	.005	25
69		1	8	5	8	.1	4	5	30	4.2	2	.005	26
70		2	45	8	17	.1	6	3	74	5.6	9	.005	27
71		2	30	10	12	.1	4	3	57	2.7	4	.005	28
72		1	4	7	3	.1	4	1	34	1.2	4	.005	29
73 L5W		1	9	7	5	.1	3	1	22	3.3	8	.005	30
74		1	8	10	6	.1	3	1	27	4.4	5	.005	31
75		1	7	9	4	.1	2	1	23	1.7	5	.005	32
76		4	21	12	15	.1	6	2	84	4.2	15	.005	33
77	A	8	17	11	26	.1	4	4	152	2.7	28	.005	34
78 L5W	X	1	70	7	214	.1	20	12	306	1.7	78	.020	35
79 L7E	X	1	42	8	39	.1	16	8	260	1.5	16	.005	36
80	A	3	15	9	12	.1	2	2	101	2.1	3	.005	37
81		2	5	4	4	.1	2	1	49	1.1	2	.005	38
82		2	30	9	14	.1	8	5	79	3.7	6	.005	39
NS 83 L7E	A	3	72	12	53	.1	23	27	507	3.3	5	.005	40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

* △ = A
□ = B
X = X

DATE SAMPLES RECEIVED Aug. 19, 1981

DATE REPORTS MAILED Aug. 29, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-1106

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
TH 6	L4	A	1	59	8	169	.1	15	20	549	2.0	72	.030	1
7			1	33	10	19	.1	7	2	52	2.3	21	.045	2
8			1	16	7	15	.1	6	4	99	2.3	13	.005	3
9			1	2	5	3	.1	1	1	16	.3	2	.005	4
10			1	4	3	5	.1	1	1	20	.4	2	.005	5
11			1	8	8	5	.1	3	1	21	2.6	2	.005	6
12		A	1	6	7	3	.1	3	1	18	2.0	2	.005	7
13		X	1	77	6	102	.1	32	14	284	1.8	11	.005	8
14		A	1	4	1	4	.1	2	1	11	.4	2	.005	9
15		A	2	19	10	42	.1	8	1	59	4.4	40	.005	10
16		A	1	16	6	6	.1	4	1	39	3.6	3	.005	11
17	L4	X	2	29	10	66	.1	17	17	230	2.5	60	.010	12
18	L4W	X	1	60	7	219	.1	19	11	283	1.6	54	.025	13
19		A	1	4	4	3	.1	1	1	13	.8	2	.005	14
20			2	3	6	3	.1	2	1	22	1.3	4	.005	15
21			1	2	8	3	.1	1	1	18	.4	2	.005	16
22	L4 W		1	1	1	1	.1	1	1	12	.5	2	.005	17
23	L6E		1	2	5	3	.1	1	1	19	.5	2	.005	18
24			1	6	6	5	.1	2	1	31	2.3	2	.005	19
25			1	5	11	6	.1	2	1	41	2.6	5	.005	20
26			1	6	4	4	.1	1	1	31	1.5	3	.005	21
27			1	15	4	5	.1	3	1	18	2.8	2	.005	22
28			2	26	7	6	.1	4	1	15	5.3	5	.005	23
29			1	72	14	38	.1	17	66	1683	2.6	15	.020	24
TH 30	L6E	A	3	23	7	13	21	7	3	77	5.1	5	.010	25
														26
RA 26		X	1	42	9	134	.1	18	10	250	1.4	32	.005	27
27		A	1	4	8	5	.1	2	1	17	1.9	2	.005	28
28			3	16	10	24	.1	5	2	71	3.4	6	.005	29
29			1	6	5	5	.1	3	1	22	3.1	2	.005	30
30			4	68	19	389	.4	42	24	1072	2.9	33	.005	31
31			2	25	8	45	.1	9	7	290	1.9	10	.005	32
33			3	8	8	19	.1	11	2	130	.3	4	.005	33
34		A	4	40	15	186	.6	79	10	566	1.6	13	.005	34
35		B	1	30	3	13	.1	13	9	196	.9	5	.005	35
36		A	2	25	10	49	.6	16	4	61	2.3	15	.005	36
37			1	6	9	7	.1	3	1	57	.4	3	.005	37
39			1	16	4	6	.1	2	2	19	2.8	2	.010	38
RA 40		A	1	13	4	6	.1	2	3	19	3.4	2	.005	39
														40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION: _____

DETERMINATION: _____

DATE SAMPLES RECEIVED Aug. 19, 1981

DATE REPORTS MAILED Aug. 29, 1981

ASSAYER DKD

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-1106

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
RA 41		A	2	7	6	12	.1	3	1	19	1.3	2	.005	1
42		A	1	18	9	61	.1	17	16	547	1.0	23	.005	2
43		A	1	34	10	118	.1	20	15	363	1.4	30	.005	3
44	L3W	X	1	56	5	158	.1	21	11	272	1.5	55	.005	4
45		A	1	8	13	13	.1	3	1	57	3.2	6	.005	5
46			1	1	3	2	.1	1	1	7	.3	2	.005	6
47			1	11	10	16	.1	4	3	70	1.2	3	.005	7
48	L3W		4	9	4	7	.1	2	1	35	3.6	3	.050	8
49	L2W		3	17	8	11	.1	5	2	69	3.2	10	.005	9
51	L2W		1	9	10	9	.1	3	1	42	2.2	3	.005	10
RA 52	L2W	A	1	13	6	39	.1	7	5	121	1.5	13	.005	11
														12
PM 15	L1E	A	1	51	17	183	.3	34	23	814	2.3	57	.015	13
16			2	55	16	230	.3	41	30	717	2.6	77	.050	14
17			1	31	9	45	.1	9	7	1047	.6	12	.005	15
18			1	103	17	258	.7	48	23	2870	2.0	114	.005	16
19			3	36	15	61	.1	13	4	152	3.3	51	.005	17
20			3	62	14	233	.4	30	30	3080	3.2	64	.010	18
21	L1E		3	49	9	58	.1	24	11	153	2.3	32	.005	19
22	L1W	A	1	13	5	19	.1	4	4	118	1.0	5	.005	20
23		X	1	9	6	18	.1	5	8	269	1.1	2	.005	21
24		A	1	2	4	10	.1	1	1	22	.1	2	.005	22
25		A	2	16	10	12	.1	4	1	64	2.6	9	.005	23
26	L1W	A	18	11	7	15	.1	5	4	124	1.9	4	.005	24
27		B	21	193	42	121	3.8	73	33	198	5.9	33	.010	25
28		A	1	6	4	6	.1	2	1	16	1.2	2	.005	26
29		X	1	25	9	34	.1	5	11	457	1.8	2	.005	27
30		A	4	25	9	23	.1	6	5	118	4.0	5	.005	28
31			1	12	7	11	.1	2	2	61	1.1	2	.005	29
32			2	23	11	16	.1	3	1	117	4.7	8	.005	30
33			3	13	8	14	.1	3	2	83	2.4	4	.005	31
34			8	28	11	18	.1	6	2	74	3.6	16	.005	32
35			9	34	10	19	.1	7	1	75	4.0	14	.005	33
36			7	39	11	23	.1	7	2	88	3.4	19	.005	34
37			6	22	9	14	.1	5	1	64	3.4	15	.005	35
38			4	13	5	10	.1	5	1	42	2.1	10	.005	36
39			1	3	1	3	.1	1	2	27	1.3	2	.005	37
PM 40		A	3	5	5	5	.1	2	1	33	1.3	5	.050	38
														39
														40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION: _____

DETERMINATION: _____

DATE SAMPLES RECEIVED Aug. 19, 1981

DATE REPORTS MAILED Aug. 29, 1981

ASSAYER _____

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-1106
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
PM 41	X	4	9	6	11	.1	5	2	61	1.6	5	.005	1
42	A	1	3	6	5	.1	2	1	19	.5	2	.005	2
43		9	16	7	22	.1	5	3	108	2.8	3	.005	3
44		8	12	6	33	.1	6	6	170	3.0	9	.005	4
45		1	34	8	22	.1	7	5	102	1.4	11	.005	5
46		8	6	7	7	.1	2	1	35	.9	2	.005	6
47		18	14	8	20	.1	7	4	107	1.8	7	.005	7
48		16	7	6	7	.1	2	1	33	2.2	2	.005	8
49		2	7	6	6	.1	2	1	11	.2	2	.005	9
50		17	15	5	18	.1	4	4	146	2.4	4	.005	10
51		6	29	6	56	.1	10	22	487	2.1	25	.005	11
52	A	3	44	12	81	.1	10	4	146	2.1	38	.005	12
53	X	1	62	7	284	.1	24	11	331	1.5	78	.010	13
54	A	3	152	11	113	.1	13	22	574	4.5	27	.005	14
55	X	1	63	9	291	.1	24	14	341	1.6	109	.010	15
56	A	2	178	13	127	.2	24	21	615	3.5	35	.005	16
61	B	17	301	12	135	1.8	43	84	310	9.5	67	.005	17
PM 62	B	11	848	6	151	2.0	46	112	191	4.7	59	.005	18
													19
													20
													21
													22
													23
													24
													25
													26
													27
													28
													29
													30
													31
													32
													33
													34
													35
													36
													37
													38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 19, 1981

DATE REPORTS MAILED Aug. 29, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics,
9251 Beckwith Road,
Richmond, B.C.
V6X 1V7

File No. 81-1233

Type of Samples soil, silt & Rock

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	
OE BL	S	1	26	7	22	.1	6	3	76	2.2	13	.005	1
0+50 S		2	37	9	57	.1	9	13	262	2.9	14	.005	2
1		2	54	7	78	.4	9	22	498	3.3	19	.005	3
1+50		3	58	8	91	.1	11	21	293	3.6	22	.005	4
OE 2 S		2	62	9	97	.2	12	22	314	3.9	21	.005	5
													6
OE 0+50 N		2	43	7	80	.1	9	16	409	3.0	15	.005	7
1		1	37	11	50	.1	6	11	347	2.0	12	.005	8
1+50	S	2	23	5	34	.1	6	7	144	2.1	42	.005	9
2	silt	1	27	4	29	.1	6	10	227	2.2	60	.005	10
2+50		1	22	2	24	.1	6	8	161	1.5	47	.005	11
3		1	21	2	22	.1	6	7	140	1.7	35	.005	12
3+50	silt	1	24	5	24	.1	6	8	175	1.4	61	.005	13
4	S	1	26	4	17	.1	5	1	58	2.5	22	.005	14
4+50		1	46	10	33	.1	9	5	163	2.9	26	.005	15
5		2	45	9	34	.1	9	12	333	3.3	47	.005	16
5+50		2	63	6	34	.2	9	7	155	3.7	88	.005	17
OE 6 N		1	58	8	45	.1	9	26	298	2.6	18	.005	18
													19
2E BL		1	24	6	19	.1	5	3	69	2.2	11	.005	20
0+50 S		10	20	5	15	.1	3	2	47	.6	7	.005	21
1		2	9	6	8	.1	2	2	20	2.5	5	.005	22
1+50		2	13	8	13	.2	2	1	33	3.1	11	.050	23
2E 2 S		23	8	5	16	.1	4	3	63	1.8	15	.015	24
													25
2E 0+50 N		2	29	6	31	.1	7	7	133	2.0	70	.005	26
1		1	30	6	32	.1	7	10	254	1.5	46	.005	27
1+50		2	36	7	48	.1	9	12	229	2.3	94	.020	28
2		2	37	5	40	.1	8	13	501	1.8	66	.015	29
2+50		2	38	7	44	.1	9	20	671	2.1	101	.010	30
3		2	32	8	42	.1	8	9	268	1.9	75	.010	31
3+50		2	12	4	12	.1	4	1	56	1.6	68	.005	32
4		1	17	6	21	.1	3	2	182	1.2	14	.005	33
4+50		2	35	10	27	.1	7	10	166	3.0	39	.005	34
5		2	91	4	29	.2	9	10	117	2.9	55	.005	35
5+50		3	62	10	47	.3	10	10	305	4.8	77	.005	36
2E 6 N	S	4	146	10	57	.9	15	19	269	5.8	105	.005	37
													38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 31, 1981

DATE REPORTS MAILED Sept. 8, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-1233
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
4E 0+50 S	S	5	39	8	30	.1	9	4	142	4.2	12	.005	1
1		4	40	8	30	.1	9	4	141	4.0	18	.005	2
1+50		5	39	8	28	.1	8	3	132	4.4	15	.005	3
4E 2 S		5	34	9	26	.1	7	3	117	4.3	14	.005	4
													5
4E 0+50 N		3	16	3	13	.1	3	2	47	1.7	55	.005	6
1		3	39	10	34	.1	8	9	209	2.2	84	.010	7
1+50		2	37	5	35	.1	8	11	330	1.6	69	.015	8
2		4	32	8	24	.1	7	5	270	3.0	111	.005	9
2+50		3	47	7	38	.1	9	10	251	2.2	109	.045	10
3		2	43	5	33	.1	8	9	150	2.0	80	.030	11
3+50		3	33	8	37	.1	8	10	146	2.1	73	.020	12
4		2	87	9	45	.1	14	19	259	2.3	75	.005	13
4+50		4	103	12	32	.1	11	14	174	2.6	83	.005	14
5		3	117	6	39	.1	20	21	266	2.6	110	.005	15
5+50		5	105	11	31	.2	12	11	108	2.8	81	.005	16
4E 6 N		3	142	9	36	.4	19	18	199	3.0	133	.005	17
													18
6E BL		16	11	8	14	.1	3	2	68	1.1	19	.005	19
0+50 S		9	9	8	15	.1	4	5	236	1.4	13	.005	20
1		8	13	11	12	.1	3	1	154	1.8	7	.005	21
1+50		2	6	5	8	.1	2	1	38	2.2	13	.015	22
6E 2 S	S	2	4	1	5	.1	1	1	18	.8	6	.095	23
													24
6E 0+50 N	silt	2	30	4	26	.1	6	7	169	1.4	16	.005	25
1	S	2	27	5	26	.1	5	6	208	1.4	21	.005	26
2		3	24	8	22	.1	5	4	124	2.3	97	.030	27
2+50		3	32	7	29	.1	7	8	197	2.1	82	.015	28
3		4	34	5	25	.1	6	12	318	2.5	68	.005	29
3+50		3	51	10	31	.1	6	7	193	2.7	59	.005	30
4		2	61	7	28	.2	8	40	587	1.1	17	.005	31
4+50		3	41	6	20	.1	7	8	108	1.6	15	.005	32
5		5	74	7	28	.3	7	6	86	2.9	33	.005	33
5+50		2	50	6	51	.1	8	25	257	2.4	30	.005	34
6E 6 N	S	5	155	6	79	.2	19	21	240	3.3	115	.005	35
													36
													37
													38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 31, 1981

DATE REPORTS MAILED Sept. 8, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

To: Glen White Geophysics

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

File No. 81-1233
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
8E BL	S	2	37	8	25	.1	5	5	140	1.4	18	.005	1
1 S		2	14	3	22	.1	4	4	172	.9	10	.005	2
1+50		12	22	7	14	.1	3	2	101	2.4	24	.005	3
8E 2 S	S	7	14	6	15	.1	4	2	73	1.3	33	.005	4
													5
8E 0+50 N	silt	2	13	2	14	.1	3	4	88	.7	6	.005	6
1	S	2	24	6	27	.1	5	6	292	1.5	21	.005	7
1+50		2	17	6	18	.1	4	4	124	1.4	18	.005	8
2		1	35	8	44	.1	9	14	360	1.7	76	.005	9
2+50		1	32	7	34	.1	7	8	242	1.6	48	.010	10
3		1	23	6	25	.1	5	6	136	1.2	18	.010	11
3+50		1	30	9	28	.1	7	9	185	1.4	28	.005	12
4		2	30	7	22	.1	6	4	135	1.6	12	.005	13
4+50		2	64	6	31	.1	7	9	162	2.4	18	.005	14
8E 5 N		7	218	8	29	.1	8	8	115	4.8	42	.005	15
													16
10E BL		2	25	6	17	.3	2	1	52	2.6	13	.005	17
0+50 S	silt	1	20	1	15	.1	4	5	128	1.1	9	.005	18
1	S	4	19	2	17	.1	4	3	69	.8	5	.005	19
1+50		4	8	5	6	.1	2	1	13	2.9	11	.005	20
10E 2 S	S	5	38	9	14	.1	3	1	43	1.8	12	.005	21
													22
10E 0+50 N	S	1	5	3	9	.1	1	1	70	.5	3	.005	23
1		1	8	4	10	.1	2	2	41	.8	3	.005	24
1+50		1	8	4	11	.1	2	2	35	.5	5	.005	25
2+50		1	59	4	32	.1	15	16	316	2.5	54	1.400	26
3		2	13	4	19	.1	4	1	35	1.3	18	.005	27
3+50		2	51	6	32	.1	8	14	472	1.8	21	.005	28
4		4	119	8	48	.2	15	31	343	3.0	55	.005	29
4+50		6	100	8	43	.1	13	17	220	3.3	69	.005	30
10E 5 N		4	121	8	48	.1	11	24	505	3.2	43	.005	31
													32
RA 51		1	30	8	85	.1	12	10	901	1.2	29	.005	33
52		1	60	7	153	.1	17	19	983	1.6	98	.005	34
53		4	55	13	56	.2	9	3	177	5.0	89	.005	35
54		1	58	8	377	.1	16	17	820	1.5	67	.005	36
55		1	39	10	134	.1	9	13	583	1.5	79	.005	37
RA 56	S	1	79	7	194	.2	26	17	337	2.0	81	.030	38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 31, 1981

DATE REPORTS MAILED Sept. 8, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-1233
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
RA 57	silt	1	119	8	123	.3	22	12	233	1.5	27	.005	1
58	silt	2	96	13	246	.4	32	23	448	2.2	79	.005	2
59	S	3	81	11	259	.3	34	23	411	2.7	84	.005	3
60	silt	1	84	4	77	.2	22	12	231	1.7	21	.005	4
61	S	3	187	14	181	.4	42	430	430	2.6	49	.005	5
62	silt	1	99	12	86	.6	33	20	375	2.4	36	.005	6
63	silt	2	125	7	62	.4	30	16	219	2.1	37	.005	7
64		1	129	3	51	.2	24	23	187	1.7	16	.005	8
65	silt	2	109	8	83	.7	34	17	306	2.3	41	.025	9
66	S	2	152	7	70	.5	59	27	548	2.4	41	.005	10
67	S	2	171	12	122	.4	43	25	409	2.9	82	.005	11
RA 68	S	2	88	11	105	.4	32	18	331	2.5	32	.005	12
													13
GC 18	R	2	159	11	11	1.4	4	7	60	3.3	96	.005	14
19	silt	1	40	10	85	.2	12	13	623	1.6	22	.055	15
20		1	25	7	53	.2	9	11	682	1.5	27	.005	16
21		1	23	7	49	.2	10	11	697	1.6	20	.005	17
22		1	62	7	18	.1	10	9	166	1.2	16	.005	18
23		1	67	5	68	.1	13	11	583	1.7	19	.005	19
24		1	132	7	79	.3	10	16	643	3.4	23	.005	20
25		1	96	6	71	.1	9	13	554	2.5	17	.005	21
26		1	116	9	139	.2	15	19	918	2.7	26	.005	22
27		1	95	9	73	.1	10	12	447	2.3	19	.005	23
GC 28	silt	1	104	4	88	.1	20	15	521	2.1	19	.005	24
													25
NS 84	S	1	68	15	39	.3	16	13	467	1.3	15	.005	26
85		3	152	17	33	.7	5	8	367	2.7	33	.005	27
86		1	48	10	68	.3	14	27	995	2.1	37	.005	28
87		1	71	14	78	.3	18	25	909	2.2	37	.005	29
88		1	88	11	75	.3	14	25	933	1.9	33	.005	30
89		1	69	8	107	.1	12	13	758	1.7	23	.005	31
90		1	189	9	70	.1	9	19	305	2.8	27	.005	32
91		2	70	12	62	.1	12	32	706	2.5	37	.005	33
92		5	91	8	85	.1	13	18	525	3.0	30	.005	34
93		10	51	10	35	.1	14	5	109	2.6	32	.005	35
94		26	28	6	18	.1	9	8	143	1.5	32	.005	36
NS 95	S	2	32	8	12	.1	3	2	38	2.0	9	.005	37
													38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 31, 1981

DATE REPORTS MAILED Sept. 8, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-1233
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
NS 96	S	1	25	7	14	.1	3	2	38	3.0	7	.005	1
97		2	32	7	15	.1	5	3	58	3.1	6	.005	2
98		2	37	7	19	.1	5	3	80	3.4	8	.005	3
99		2	11	5	7	.1	2	1	23	2.9	6	.005	4
100		2	9	5	8	.1	2	1	25	4.4	7	.005	5
101		1	3	1	4	.1	1	1	19	1.4	3	.005	6
102		3	10	5	5	.1	1	1	4	4.8	9	.005	7
103		1	3	4	3	.1	1	1	2	.3	2	.005	8
NS 104	S	1	3	5	6	.1	1	1	8	.3	2	.005	9
													10
PM 58	silt	1	80	8	235	.3	26	21	2525	3.6	38	.005	11
59		1	312	7	307	.9	28	23	2551	3.4	40	.005	12
60		1	85	6	268	.6	39	34	2792	3.9	54	.005	13
63		1	94	5	286	.4	29	27	2992	4.1	43	.005	14
64	silt	1	110	5	292	.5	35	30	2997	4.2	46	.005	15
65	S	2	17	4	17	.1	3	1	90	4.2	29	.005	16
66	S	1	40	11	24	.1	6	8	280	1.5	9	.005	17
67	silt	1	100	8	319	.3	30	30	3097	3.9	50	.005	18
68	S	1	14	11	21	.2	4	28	556	1.4	15	.005	19
69	S	1	15	11	49	.1	3	9	196	1.6	15	.005	20
69A	R	47	863	5	24	1.4	9	97	71	14.4	127	.005	21
70	silt	1	61	18	196	.2	7	14	620	1.2	90	.005	22
72	S	1	5	2	6	.1	3	2	38	1.0	2	.005	23
73	S	1	5	3	5	.1	3	2	35	1.1	2	.005	24
74	S	1	5	1	5	.1	2	2	27	1.3	2	.005	25
75	S	1	6	2	6	.1	3	2	31	1.5	2	.005	26
76		1	2	1	5	.1	1	1	12	.2	2	.005	27
77		1	1	4	2	.1	1	1	1	.1	1	.005	28
78		1	1	3	2	.1	1	1	1	.1	1	.005	29
79		1	1	2	3	.1	1	1	1	.1	1	.005	30
80		1	2	2	5	.1	1	1	35	.9	4	.005	31
81		1	8	18	10	.1	2	1	46	2.3	17	.005	32
82		1	9	7	8	.1	2	1	46	2.2	16	.005	33
83	P	1	3	3	7	.2	2	1	44	.2	2	.005	34
84	silt	1	36	5	137	.1	10	7	710	1.2	13	.005	35
85		1	29	5	271	.1	13	9	948	1.5	21	.005	36
86		1	36	5	251	.1	16	12	1082	1.4	26	.005	37
PM 87	P silt	1	22	4	101	.1	13	6	308	1.1	19	.005	38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.
DIGESTION:
DETERMINATION:
P = pulverized.

DATE SAMPLES RECEIVED Aug. 31, 1981
DATE REPORTS MAILED Sept. 8, 1981
ASSAYER D. Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

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

To: Glen White Geophysics

File No. 81-1233
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
PM 88	silt	1	41	5	222	.3	13	9	734	1.1	16	.005	1
89		1	16	6	164	.2	13	10	735	1.1	15	.005	2
90		1	26	11	217	.1	12	15	1168	1.2	20	.005	3
91	silt	1	20	4	137	.1	9	7	537	1.0	17	.005	4
92	S	1	1	4	4	.1	1	1	1	.1	1	.025	5
93		1	1	2	2	.1	1	1	1	.1	1	.005	6
94		1	1	2	2	.1	1	1	1	.2	1	.005	7
95		3	30	15	149	.1	11	17	829	1.8	26	.025	8
96	S	2	22	11	171	.1	9	23	1053	1.9	22	.130	9
97	silt	1	12	5	86	.1	9	8	412	1.2	9	.280	10
98	silt	1	24	7	107	.1	8	10	505	1.2	13	.025	11
99	S	3	16	8	27	.1	6	3	134	3.2	9	.005	12
100	silt	1	12	6	98	.1	8	8	506	1.2	8	.025	13
101	S	1	3	5	5	.1	1	1	11	1.1	2	.005	14
102	S	4	5	7	8	.1	3	1	28	3.8	5	.005	15
103	silt	1	12	4	69	.1	8	6	402	1.3	11	.055	16
PM A	S	1	3	3	4	.1	1	1	10	.9	2	.005	17
													18
													19
													20
													21
													22
													23
													24
													25
													26
													27
													28
													29
													30
													31
													32
													33
													34
													35
													36
													37
													38
													39
													40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED Aug. 31, 1981

DATE REPORTS MAILED Sept. 8, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

REPORT

on the
INITIAL WORK PROGRAM

on the
WYN MINERAL CLAIMS,

Muchalat Inlet Area
Alberni Mining Division, British Columbia

for
DYNAMIC OIL LTD.

by
John S. Vincent, P.Eng.

Vancouver, B.C. July 10, 1981

TABLE OF CONTENTS

INTRODUCTION

Dynamic Oil Ltd. has carried out a regional sampling program and an airborne geophysical survey over the WYN mineral claims located south of Muchalat Inlet in the Alberni Mining Division, Vancouver Island. The 15 claims were staked to cover an area underlain by Sicker Group rocks and work to date has identified 6 specific target areas which warrant detailed follow-up.

The following report, prepared at the request of Mr. Wayne J. Babcock, President of Dynamic Oil Ltd., describes the work done and presents a compilation and discussion of the results. Recommendations for the first phase of target evaluation are made, and a detailed budget is included.

PROPERTY, LOCATION AND ACCESS

The property is situated 22 km southwest of the village of Gold River at the head of Muchalat Inlet, about mid way along the west coast of Vancouver Island. The claims are approximately centered at $126^{o}22'$ longitude by $43^{o}35'$ latitude. The topography is rugged with heavy underbush typical of the island. Active logging has facilitated access along the Mooyah River, but general access is best achieved by helicopter out of Gold River.

The WYN 1-14 mineral claims were staked in February of 1981, and WYN 15 was staked in March. The outline of the claim group is shown on Figure 2. The claims are located in the Alberni Mining Division, and title has been transfered from Glen E. White and registered in the name of Dynamic Oil Ltd. Their particulars are tabulated as follows:

Claim	Record No.	Expiry Date
WYN 1-14	1164-1177 incl.	February 13, 1982
WYN 15	1190	March 05, 1985

GEOLOGY

The most recent compilation of regional geology is shown in Geological Survey Open File 463, 1977, by Dr. J.E. Muller, at a scale of 1:250,000.

South of Muchalat Inlet the sedimentary and volcanic rocks of the Upper Paleozoic Sicker series are in fault contact with the Lower Jurassic basic phase of the West-coast Complex, and intruded by the Middle Jurassic Island Intrusive complex of acidic rocks. Several sets of north-westerly-trending faults are shown in the compilation, several of which constitute contact zones.

The claims are underlain predominantly by the Paleozoic Sicker rocks as illustrated in Figure 2. Although the regional map indicates that the eastern portion of the property is underlain by basic rocks of the West Coast Complex, preliminary field examination by G. White, P.Eng., indicates that the zone of Sicker rocks may extend further east than the map shows.

The Sicker Group includes the complete sequence of Paleozoic rocks on Vancouver Island, and consists mainly of basic and silicic volcanic rocks. Clastic and carbonate sediments are represented in lesser amounts. The Sicker rocks host the important massive sulphide deposits being mined by Western Mines on Myra Creek west of Buttle Lake, and thus constitute an economically as well as geologically significant group of formations.

Stratigraphic detail of the Sicker rocks in the area is not available, and field work will be required to establish the exact sequence of formations present in the claimed area. Dr. J.E. Muller of the GSC has published the results of his most recent study in Paper 79-3, 1980, and recognizes the following subdivisions and stratigraphic sequence.

> Buttle Lake formation: limestone, commonly recrystallized; interbedded with subordinate or equal thicknesses of calcareous siltstone and chert; some diabase sills.
>
> Sediment - Sill Unit: thinly bedded to massive argillite, siltstone and chert with interlayered sills of diabase.
>
> Myra Formation: basic to rhyodacitic banded tuff, breccia and (?) lava; thinly bedded to massive argillite, siltstone, chert.
>
> Nitinat Formation: metabasaltic lavas, pillowed or agglomeratic, commonly with large conspicuous uralitized pyroxene phenocrysts and amygdules of quartz and dark green minerals; minor massive to banded tuff.

Although his detailed study areas are located on the eastern and southern portions of the Island, the stratigraphic relationships and description will provide good guidelines for work elsewhere. After several stratigraphic sections on the claims are mapped it will be possible to identify the formations present and gain an understanding of the geological setting.

The Paleozoic Sicker rocks reflect a complex tectonic history of folding, faulting, and repeated intrusion. Asymmetric folding appears to be the oldest deformation, and several of the ore zones at Western Mines are associated with fold crests.

Major faulting in a northwesterly direction occured in the Tertiary and these are, in places, offset by more recent transcurrent tear-faults. The intrusive history is also complex, and ranges from Devonian to Tertiary in age. Although the regional map indicates that the Jurassic Island Intrusives predominate, it is not unreasonable to expect the Tertiary to also be represented; perhaps in the form of dikes and sills.

GEOCHEMISTRY

A series of 57 silt samples were collected in February at sites distributed as shown on Figure 2. Samples of interest are highlighted and the tabulated results are included in the Appendix.

During the period March 15 to April 1, 1981, a 4-man crew collected 300 rock, soil, and silt samples distributed as shown on Figure 3. Observations were recorded as to rock type, structure, and mineralization.

All the samples were processed by Chemex Labs of North Vancouver. Copies of the analytical sheets are included in the Appendix.

On the WYN 15 claim a stream draining the western slope of Mt. Sergeant returned 2 soil samples strongly anomalous in copper, lead, zinc, and silver. The field notes indicate brecciated volcainics in the general area. On the east slope of Mt. Sergeant a traverse returned 9 soil samples anomalous in zinc, 3 in copper, and 5 in silver. On the northeast corner of WYN, a soil sample returned a weakly anomalous gold value of 20 ppb. This area is underlain by Sicker Group rocks and warrants detailed follow-up to locate the source of metal values.

Mineral claims WYN 3 and 4 cover a portion of Mt. Gore which is approximately 6 km southeast by east of Mt. Sergeant. A traverse along the southwestern slope of the mountain returned a number of soil samples anomalous in copper and zinc which warrant follow-up. Six samples clustered in an area about 600 meters square are moderately anomalous in copper. Nine hundred metres to the southeast 3 samples are anomalous in zinc, and one along the road by the Mooyah River returned an interesting value in gold of 80 ppb.

This area coincides with a strong magnetic anomaly approximately 2 km long which lies along the southwest flank of Mt. Gore. The available geological map shows the area to be underlain by the Jurassic Island Intrusive rocks. However, ground work will be required to confirm the contact areas with adjacent Sicker rocks.

In the northwest corner of WYN 10, 3 soil samples returned strongly anomalous values in arsenic, and 2, moderate values in copper. Directly up-slope a gossan zone on the upper slope of Mt. Rufus is noted in the field notes, and a series of 4 silt samples from a stream draining the area also returned strongly anomalous arsenic values and weakly anomalous copper. The gossan zone is underlain by Sicker rocks and the contact with the intrusive is shown as downslope about halfway to the Mooyah River. This area warrants detailed follow-up.

Sampling in the area of the upper Sydney River, south of Irving Lake and northwest of Lillian Lake, returned a number of interesting values as shown on the east half of Figure 3. Several soil samples collected along the Sydney River are strongly anomalous in arsenic and zinc, and one is highly anomalous in gold; 380 ppb.

A 1,000 meters to the southeast 16 soil samples taken over an area 600 by 800 meters are anomalous in zinc, and several have associated interesting arsenic values. A northwesterly-trending magnetic anomaly coincides with this general area of anomalous soil samples. The area is shown to be underlain by basic rocks of the Westcoast Complex, but G. White, P.Eng., has identified Sicker rocks in the course of a preliminary visit. Mapping and sampling will be required to locate the source of the anomalous values; particularly the high gold.

In summary, the first phase of geochemical sampling has identified 6 specific areas as shown on Figure 2 which require detailed follow-up with geological mapping, rock-chip sampling, and soil sampling as required. In addition, silt sampling should be carried out over the remainder of the claim group in streams selected in such a way as to provide effective coverage.

GEOPHYSICS

An airborne survey was carried out using a Sabre Electronics magnetometer-VLF electromagnetic system. The unit measures the total intensity of the magnetic field and the total horizontal field of the electromagnetic component. The instrument was flown at an elevation of 100 meters above the ground along northeasterly lines spaced at 200 meter intervals. Approximately 500 line kilometers were surveyed in this way.

A comprehensive report and maps is included as Part 2 of this report and the reader is referred to that section for a discussion of the results.

CONCLUSIONS

Regional geochemical sampling and airborne VLF-EM and magnetometer surveying has identified 6 specific target areas which warrant detailed follow-up. Positive results for copper, zinc, silver, and arsenic require further evaluation, and several anomalous gold values provide single-sample targets which serve to enhance the potential. The reported occurrence of brecciated volcanic rocks and gossanous areas is encouraging, and the fact that much of the property is underlain by Sicker Group formations establishes a favourable geological environment.

RECOMMENDATIONS

A work program to follow-up and evaluate the 6 areas of interest should consist of prospecting, detailed rock-chip and soil sampling, and geophysical surveying. Since the primary target is massive sulphides, and/or gold-bearing vein systems, the VLF electromagnetic system can be effectively used in conjunction with prospecting and mapping. As specific targets are defined the Vector Pulse Electromagnetic system will be required to accurately establish drill targets.

It is proposed that a 6 man crew could accomplish this work in a 2 month period. A budget is outlined as follows: