

ASSESSMENT REPORT
GEOLOGICAL-GEOCHEMICAL-GEOPHYSICAL REPORT
ON THE

ORO CLAIMS
Bearskin Lake Area, B.C.
Atlin Mining Division
104K/1W

⁵⁸ Co-ordinates
58°11' North Latitude
132°18' West Longitude

Owner of Claims

Sage Resources Ltd.
620-475 Howe Street
Vancouver, B.C., V6C 2B3

Operator

Sage Resources Ltd.

Consultant

Harold M. Jones, P.Eng.
721-602 West Hastings Street
Vancouver, B.C.

Author

Robert H. Simpson, B.Sc.,
Harold M. Jones, P.Eng.

Date: 7 September 1984

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,628

HAROLD M. JONES, P.ENG.
CONSULTING GEOLOGIST

TABLE OF CONTENTS

	PAGE
SUMMARY.....	1
INTRODUCTION.....	3
Location and Access.....	3
Topography and Vegetation.....	3
Climate.....	4
Property.....	4
History.....	5
GEOLOGY.....	5
General Geology.....	5
Local Geology.....	6
MINERALIZATION.....	6
FIELD WORK.....	7
Geochemical Soil Survey.....	7
Silt Samples.....	8
Rock Samples.....	8
VLF-EM Survey.....	10
RESULTS.....	10
1. Soil Samples.....	10
Gold Geochemistry.....	10
Copper Geochemistry.....	11
Arsenic Geochemistry.....	11
2. Silt Samples.....	11
3. Rock Samples.....	11
4. VLF-EM Survey.....	12
CONCLUSIONS.....	12
REFERENCES.....	13
CERTIFICATE, Robert H. Simpson, B.Sc.....	14
CERTIFICATE, Harold M. Jones, P.Eng.....	15
VALUATION OF WORK -	16
CERTIFICATE: ALBERT J. VALLEY -	17

APPENDICES

APPENDIX I	PHOTOGEOLOGICAL REPORT - Kucera and McRae
APPENDIX II	ASSAY CERTIFICATE AND HISTOGRAMS
APPENDIX III	VLF-EM DATA

LIST OF ILLUSTRATIONS

Figure 1	Location Map	Following	3
Figure 2	Claim Map	Following	3
Figure 3	Geology and Assay Plan	In Pocket	
Figure 4	Geochemistry - Au	Following	10
Figure 5	Geochemistry - As, Cu	Following	10
Figure 6	VLF-EM Profiles - (Seattle)	Following	11
Figure 7	VLF-EM Profiles - (Hawaii)	Following	11

SUMMARY

A geological-geochemical-geophysical reconnaissance program was conducted between August 10-13, 1984 on the Oro Claims, located in the Atlin Mining Division, 73 km northwest of Telegraph Creek.

This 24 unit property consists of three modified grid claims and eight two-post claims. Two claims, totalling 8 units, largely oversteaking adjoining ground and are in contravention.

The claims are underlain by Pre-Upper Triassic sediments and volcanics which include greenstone, tuff breccia, and minor argillite, limestone and quartzite. All volcanic rocks are altered to the greenschist grade.

Two skarn alteration zones were located occurring along calcareous argillite-greenstone contacts. Sulfides occur within the alteration zones as disseminations, fine veinlets and coatings on fractures. Sulfides include pyrite and chalcopryrite. One grab sample from one alteration zone assayed 0.025 oz/ton gold and 8135 ppm copper (0.814% copper).

A geochemical soil survey over a small grid located one small area anomalous in gold and copper. This is coincident with one of the mineralized skarn-altered contact zones.

A second area, tested by a short line of closely spaced soil samples, returned anomalous values in copper and arsenic, and weakly anomalous values in gold. This area may be the strike extension of a second skarn-altered contact zone.

A VLF-EM survey, conducted over the geochemical grid, located what may be two weak conductors. One coincides with the first mentioned coincident gold-copper soil anomaly.

It is concluded that gold and copper mineralization are present on the Oro claims but insufficient work was done to establish the size of the mineralized alteration zones or their grade. Additional work is required to access these zones as well as the remaining untested parts of the claims.

INTRODUCTION

A geological-geochemical-geophysical reconnaissance survey was conducted between August 10-13, 1984 on the Oro claim group, located in the Atlin Mining Division 73 km northwest of Telegraph Creek. Work included reconnaissance geological mapping, soil and rock sampling, and VLF-EM surveying. This report summarizes the above work.

Field work was conducted by one geologist, assisted by two directors of the company.

Location and Access

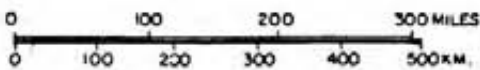
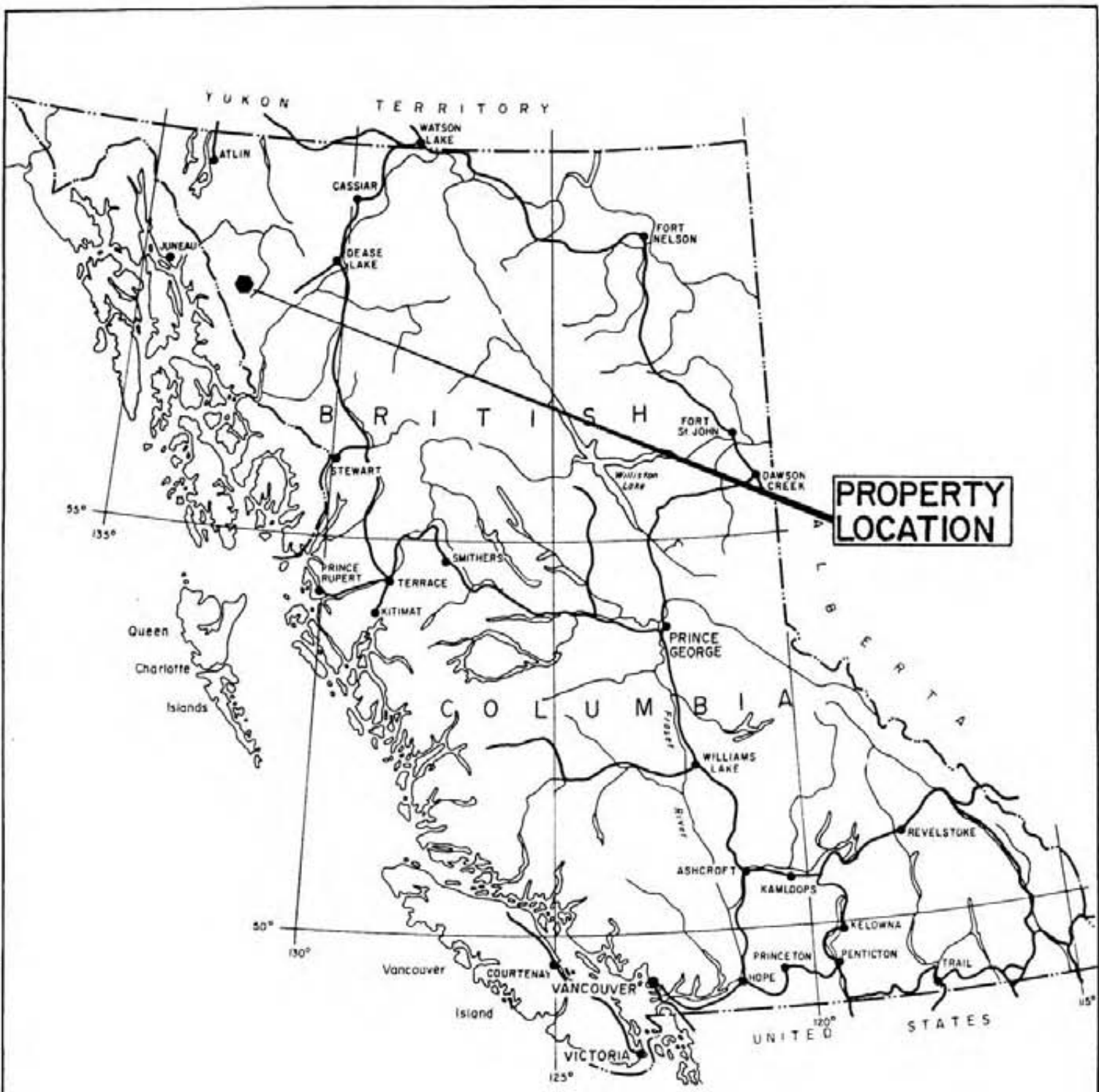
58°11' North Latitude) to the approximate
132°18' West Longitude) center of the claims

The Oro claim group is located in the Atlin Mining Division, approximately 170 km southeast of Atlin and 73 km northwest of Telegraph Creek. Locally, the claims are 3 km south of Bearskin Lake. (Figure 1 & 2) They lie on a ridge between Bearskin Lake and Samotua River.

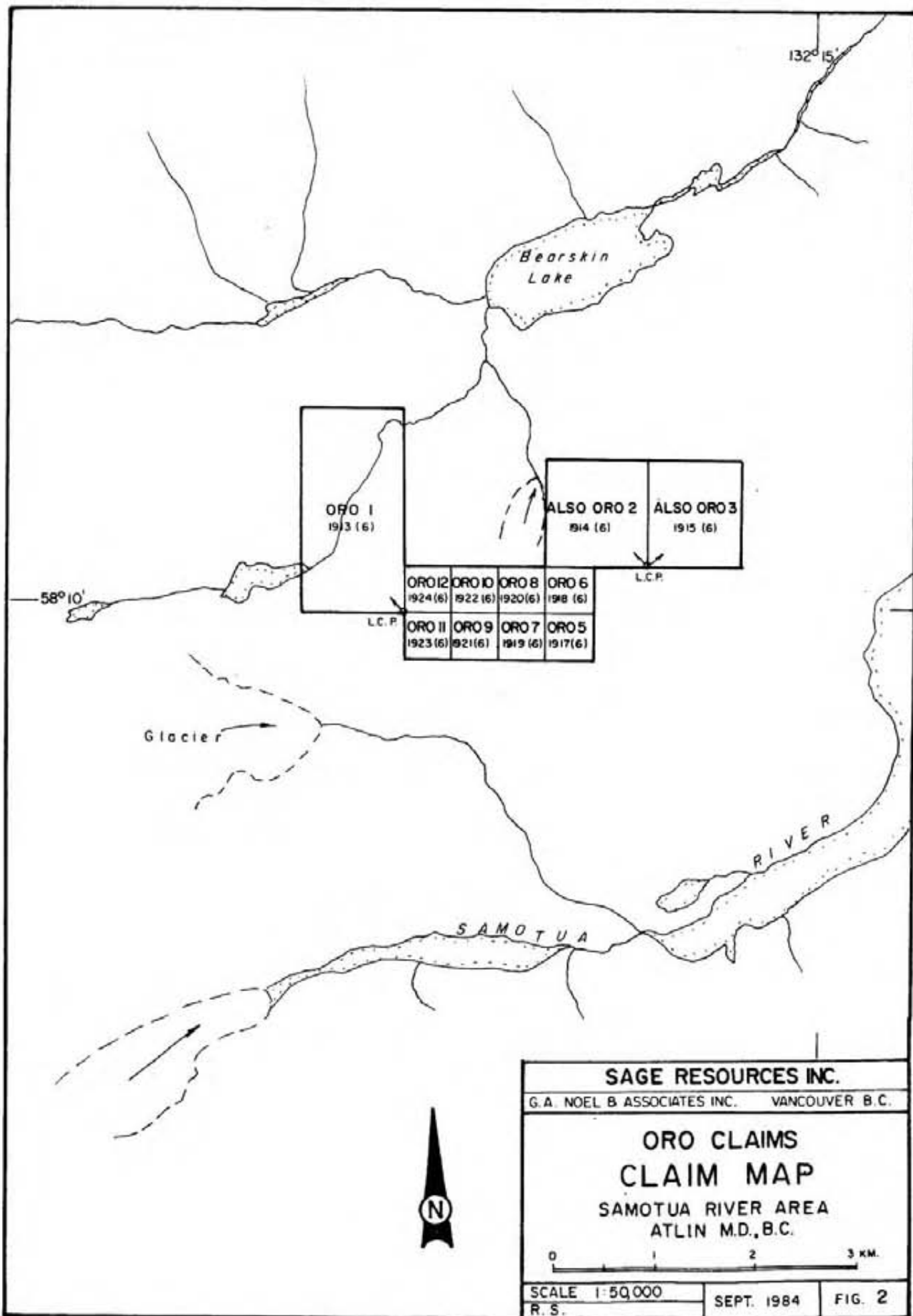
Access to the property is from Dease Lake or Telegraph Creek by float-equipped plane to Bearskin Lake, then three difficult km on foot to the claims. The better access is via helicopter direct to the claims.

Topography and Vegetation

The Oro claims cover a cirque and ridge in very rugged mountainous terrain. All slopes are steep to precipitous. Elevations range from 1250 to 1800 m.



SAGE RESOURCES LTD.		
G. A. NOEL & ASSOCIATES INC.		VANCOUVER, B.C.
ORO CLAIMS LOCATION MAP SAMOTUA RIVER AREA ATLIN M.D., B.C.		
SCALE - AS SHOWN		SEPT. 1984
R. S.		
		FIG. 1



The property is entirely above timberline, which is approximately 1000 m. Vegetation on the claims is sparse.

Climate

The property is located within the Coast Range Mountains at relatively high elevation. Snow accumulation is heavy in the area between October and April. Numerous glaciers are also common throughout the general area.

Property

The property consists of three claims staked by the modified grid system and eight two-post claims. They are:

CLAIM NAME	RECORD NO.	NO. OF UNITS	DATE OF RECORD
Oro 1	1913	8	17 June 1983
Oro 2	1914	4	17 June 1983
Oro 3	1915	4	17 June 1983
Oro 5	1917	1	17 June 1983
Oro 6	1918	1	17 June 1983
Oro 7	1919	1	17 June 1983
Oro 8	1920	1	17 June 1983
Oro 9	1921	1	17 June 1983
Oro 10	1922	1	17 June 1983
Oro 11	1923	1	17 June 1983
Oro 12	1924	1	17 June 1983

By unfortunate timing, Oro 2 and 3 were staked on the same day, but at a slightly later time than Oro 1 and 3. For this reason, Oro 2 and

3 are in contravention.

The claims are owned by Sage Resources Ltd., 620 - 475 Howe Street, Vancouver, B.C. Any legal aspects pertaining to the claims is beyond the scope of this report.

History

There is no reported mining history in the area except for one copper occurrence. This is probably located on Oro 5 and 8, where copper mineralization was noted during the exploration program.

The Bearskin Lake area became active in about 1982 when Chevron Canada Resources Ltd. commenced a gold exploration program in the district. They now hold a large block of claims located mostly north of Bearskin Lake. In 1983 and 1984 they conducted diamond drill programs.

In 1983 Sage Resources Ltd. acquired the Oro claims. These cover a possible south extension of a fault structure with which gold mineralization is thought to be associated on the Chevron ground.

In 1984 Sage Resources contracted a photogeological study on the Oro claims. This work indicated several faults on or near the claims. (See Appendix I.)

GEOLOGY

General Geology

In the general area of the property, Permian sediments and Pre-Upper Triassic sediments and volcanics are intruded by plutons of the Coast Intrusions. Within the claims area only the Pre-Upper

Triassic rocks are present. These include fine-grained clastic sediments and intercalated volcanic rocks, largely altered to greenstone and phyllite; chert, jasper, greywacke and limestone. (Souther 1971). A small area of diorite gneiss is also present in the claims area.

Local Geology

The intercalated volcanic sedimentary package exposed on the Oro claim group includes greenstone, tuffs, breccia and minor argillite, limestone and quartzite. Greenschist grade metamorphism in conjunction with shearing has made primary textures difficult to distinguish.

The predominant rock unit on the claim group is greenstone which is dark green and fine-grained in texture. Volcanic flow breccia with clasts up to 2 cm in diameter is present in several outcrops, but metamorphism has obscured most of the original textures. Remnants of tuffaceous horizons can be seen in places, but are not extensive.

Pale brown weathering calcareous argillite units were observed on Oro 7, 8 and 9 claims. They are capped by greenstone. Silicified skarn occurs along the contacts. These alteration zones are poorly exposed, but appear to be restricted in size.

A body of diorite gneiss-amphibolite outcrops at the southwest corner of Oro 1 claim.

MINERALIZATION

Minor pyrite and limonite occur on fractures throughout the volcanic-sedimentary package on the Oro claims. At the contact between the calcareous argillite unit and the greenstone capping, the

silicified skarn alteration zone is mineralized with chalcopyrite. It occurs as disseminations, small veinlets and as sheaths and blebs on fracture planes. Malachite occurs on the weathered surface.

At the south end of Oro 1 the greenstone-calcareous argillite contact is marked by a large iron gossan. This also approximately coincides with a northwesterly trending fault (See Figure 3). Disseminated pyrite and fine pyrite veinlets occur within the gossanous silicified contact zone.

FIELD WORK

A grid was laid out to facilitate soil sampling and VLF-EM surveying over the area which contained copper mineralization. This grid encompassed parts of Oro 2, 5, 6, 7, and 8.

The grid consisted of four lines totaling 2.5 km. Two lines were spaced at 100 m separation, the other two at 150 m separation. Lines were run using a Silva Compass and hip chain. All marking stations were marked with flagging tape at 25 m intervals on each line.

Geochemical Soil Survey

Soil samples were taken, using a mattock, at each station along the grid lines. The "B" soil horizon was sampled, the depths ranging from 20-25 cm. The samples were placed in kraft envelopes, marked according to the line and station, and delivered to Acme Analytical Laboratories, 852 East Hastings Street, Vancouver, B.C. for analysis of gold, silver, copper, arsenic and antimony. A total of 99 samples were collected on the grid.

In addition to the grid sampling, a short line of samples were

collected along the ridge on Oro 5 claim. These were taken at 10 m intervals along a southwesterly trending line. They were treated in a similar manner as the grid samples. A total of 17 samples were collected in this area.

All soil sample locations are shown on Figures 4 and 5. Assay results were plotted for gold (Figure 4), copper and arsenic (Figure 5). Values for silver and antimony were not plotted because of their uniformly very low values. Only one sample was anomalous for antimony, that being located on Line 1+00W at 0+75N. It assayed 35 ppm Sb.

Silt Samples

Five silt samples were collected, all from Oro 1 claim. These were treated similar to the soil samples, and also assayed for gold, silver, copper, arsenic and antimony. Their locations and results are shown on Figure 3. As previously mentioned, values for silver and antimony are not shown due to their low value.

Rock Samples

Ten rock samples were collected from various locations on the property. These samples were considered as grabs of typical mineralized and/or altered rock. These were only assayed for gold and copper.

LIST OF ROCK SAMPLES AND ASSAYS

SAMPLE NO.		TYPE	ASSAYS		Description
			Au (OZ/TON)	Cu PPM	
OR-84-01	14701	Grab	0.001	47	Altered quartzite, pale green vugs of limonite, kaolinite, altered sulfides
OR-84-02	14702	Grab	0.025	8135	Diorite, chalcopyrite as blebs, disseminations and veinlets. Calcite on fracture planes.
OR-84-03	14703	Grab	0.001	79	Quartz vein, fractured, altered with mica and chlorite on fractures.
OR-84-04	14704	Grab	0.001	126	Silicified, altered meta-sediment
OR-84-05	14705	Grab	0.001	51	Silicified, brecciated qtzite.
OR-84-06	14706	Grab	0.001	476	Altered, medium to coarse grained calc-silicate; traces of chalcopyrite, blebs of pyrite.
OR-84-07	14707	Grab	0.001	2294	Greenstone with quartz stringers, pyrite, limonite cavities
OR-84-08	14708	Grab	0.001	99	Silicified meta-sediment, pyrite veinlets and quartz veinlets crosscut rock.
OR-84-09	14709	Grab	0.001	108	Limonite rich, calcareous argillite
OR-84-10	14710	Grab	0.006	7180	Altered diorite with malacite and chalcopyrite on fractures

VLF-EM Survey

A VLF-EM survey was run over the geochemical grid. A VLF-2 Phoenix instrument was used. Two frequencies were used, that for Seattle, Washington and Laulualei, Hawaii transmitter stations. The grid layout was planned so that all lines approximately cut the copper mineralized zones at right angles.

Dip Angle readings were taken at each 25 m stations using each frequency. The results are shown in profile form on Figures 6 & 7.

RESULTS

1. Soil Samples

Gold Geochemistry

Assays for most of the gold samples are 5 ppb, which is the lower detection limit of the assay method. Several assays are definitely anomalous. Values of 125 and 270 ppb gold were obtained on Line 1+00W; and 60 ppb gold on Line 0+00. Two weakly anomalous values - 20 ppb and 35 ppb gold - were obtained on the short line of soils on Oro 5.

A zone anomalous in gold is indicated on Figure 4. Since data is limited, rigid contouring was not done. The weak anomalous zone on Oro 5 claim, while being on trend of the above anomaly, probably reflects the eastern extension of the alteration zone mapped on Oro 7 and 9.



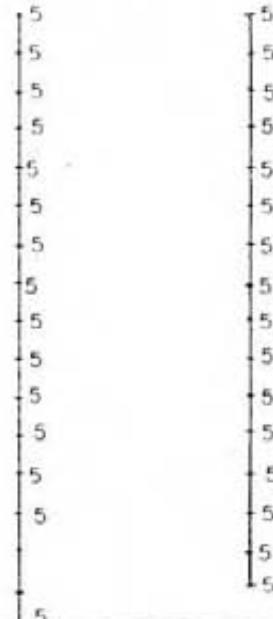
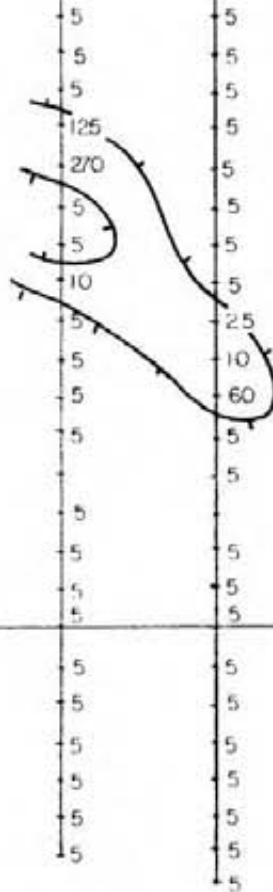
ALSO
ORO 2

— 4+00 N

— 2+00 N

L 1+50E

L 3+00E



— 0+00

— 2+00 S

ORO 8

ORO 7

ORO 6

ORO 5

— 4+00 S



L 1+00W

L 0+00

GOLD VALUE IN PPB

SAGE RESOURCES LTD.

G A NOEL & ASSOCIATES INC VANCOUVER, B.C.

ORO CLAIM GROUP
GEOCHEMISTRY - Au

ATLIN M.D., B.C.



SCALE 1:5000

SEPT 1984

FIG 4

R S



Cu	As	Cu	As
196	5	159	6
194	7	140	6
137	5	120	5
138	5	104	6
133	8	141	7
225	28	119	2
213	15	151	4
161	21	106	3
152	14	170	8
159	11	150	5

— 4+00 N

ALSO
ORO 2

— 2+00 N

L 1+50E

L 3+00E

146	12	158	5
222	9		
354	10	186	6
622	72	141	13
170	7	146	6
180	10	283	12
249	8	369	6
169	9	385	7
296	19	628	11
526	27	277	7
227	14	165	5
140	12	161	9
161	10	161	9
145	13	111	11
		111	13
128	14		
127	11	135	7
187	8	145	7
163	44	163	8

Cu	As
123	6
134	5
123	4
107	6
141	8
136	3
106	7
105	7
118	5
122	10
138	12
123	12
148	17
144	18
148	10

Cu	As
125	14
111	10
98	6
124	9
79	8
87	6
97	8
121	6
114	9
126	15
144	18
147	22
152	16
161	12
141	13
134	9

— 0+00

— 2+00 S

ORO 8

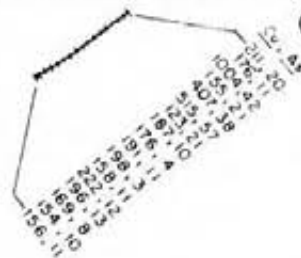
ORO 6

ORO 7

154	15	145	12
190	18	164	9
161	13	169	11
183	14	125	8
163	7	165	7
118	7	166	28
		176	21

ORO 5

— 4+00 S



L 1+00W

L 0+00

ARSENIC & COPPER VALUES IN PPM

SAGE RESOURCES LTD.

G A NOEL & ASSOCIATES INC VANCOUVER, B.C.

ORO CLAIM GROUP
GEOCHEMISTRY - As, Cu

ATLIN M.D., B.C.

0 100 200 300 metres

SCALE 1:5000

SEPT. 1984

FIG. 5

R S

Copper Geochemistry

Copper values above 300 ppm were considered anomalous. These values were contoured and indicate an anomalous area coincident with the gold anomaly. Anomalous values also occur on Oro 5 claim which are coincident with those of gold.

Arsenic Geochemistry

Arsenic values >20 ppm were considered as anomalous. These occur at scattered locations and do not indicate a trend. Two values occur within the coincident gold-copper anomaly on Line 1+00W, while five are present within the anomalous copper zone on Oro 5 claim.

2. Silt Samples

All silt samples assay results were low. None were considered as anomalous.

3. Rock Samples

Rock sample OR84-02 (Lab. No. 14702) was taken from within the gold-copper anomalous area. It returned an assay of 0.025 oz/ton gold and 8135 ppm copper.

Other rock samples returned very low values in gold - 0.001 to 0.06 oz/ton. Two samples contained interesting values in copper. Sample OR 84-07 (Lab. No. 14707) assayed 2294 pm copper; sample OR-84-10 (Lab. No. 14710) assayed 7180 ppm copper.



ALSO
ORO 2

— 4+00 N

— 2+00 N

L 1+50E

L 3+00E

— 0+00

— 2+00 S

ORO 8

ORO 7

ORO 6

ORO 5

— 4+00 S

L 1+00W

L 0+00

SAGE RESOURCES LTD.

G A NOEL & ASSOCIATES INC VANCOUVER, B.C.

ORO CLAIM GROUP
VLF - EM PROFILES
(SEATTLE)
ATLIN M.D., B.C.

0 100 200 300 metres

SCALE 1:5000

R S

SEPT 1984

FIG. 6



ALSO
ORO 2

— 4+00 N

— 2+00 N

L 1+50E

L 3+00E

— 0+00

— 2+00 S

ORO 8

ORO 7

ORO 6

ORO 5

— 4+00 S

L 1+00W

L 0+00

SAGE RESOURCES LTD.

G A NOEL & ASSOCIATES INC VANCOUVER, B.C.

ORO CLAIM GROUP
VLF - EM PROFILES
(HAWAII)
ATLIN M.D., B.C.

0 100 200 300 metres

SCALE 1:5000

SEPT. 1984

FIG. 7

R S

4. VLF-EM Survey

The unfiltered VLF-EM results may indicate two conductors (See Figure 6). One trends N65E and passes through the coincident gold-copper geochemical anomaly. This approximates the trend of the mineralized skarn contact zone mapped on Oro 8.

CONCLUSIONS

It is concluded that the results from the reconnaissance program on the Oro claims indicate that copper-gold mineralization occurs associated with a skarn altered contact between calcareous argillite and greenstone. Due to time limitations on the exploration program, insufficient work was done to delimit the mineralized zone or to determine its size and grade.

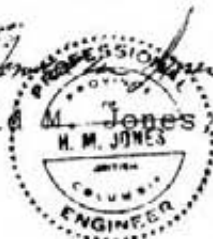
It is concluded that additional geological mapping, soil and rock sampling are required to assess the potential of the Oro property for hosting a copper-gold deposit.

Respectfully submitted,

Robert H. Simpson

Robert H. Simpson, B.Sc.,

Harold M. Jones
 Harold M. Jones, P.Eng.



10 September 1984.

REFERENCES

Kucera, R.E.
and McRae, R. (1984)

Photogeologic Interpretation of the
Oro No. 1 and Oro No., 5-12 Claims,
Atlin Mining Division, B.C. -
- private report for Sage Resources
Ltd.

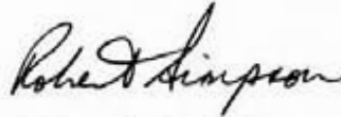
Souther, J.G. (1971)

Geology and Mineral Deposits of
Tulsequah Map Area, British Columbia;
Geol. Survey of Canada,
Memoir 362.

CERTIFICATE

I, Robert Simpson, of 316 - 1730 Pendrell Street, Vancouver, British Columbia, hereby certify:

1. I am a graduate of the University of Ottawa (1979) and hold a B.Sc., Honours degree in geology.
2. I have been working in the mining industry for the past 5 years in Canada, United States and Australia.
3. I am presently self-employed and do contract work for G.A. Noel & Associates Ltd. of 721-602 West Hastings Street, Vancouver, B.C.



Robert H. Simpson, B.Sc.

10 September 1984

CERTIFICATE

I, Harold M. Jones, of the City of Vancouver, British Columbia, do hereby certify that:

1. I am a Consulting Geological Engineer with offices at 721-602 West Hastings Street, Vancouver British Columbia.
2. I am a graduate of the University of British Columbia in Geological Engineering, 1956.
3. I have practised my profession as a Geological Engineer for over 25 years.
4. I am a member of the Association of Professional Engineers of British Columbia, Registration No. 4681.
5. I have not examined the subject property, but have reviewed the results of the field program and the data listed under references in this report. Mr. R. Simpson, geologist, conducted the field work under my direction.

DATED AT VANCOUVER, BRITISH COLUMBIA this 7th day of September 1984.

Harold M. Jones, P. Eng.



VALUATION OF WORK - SECOND PART OF ASSESSMENT PROGRAM

September 11, 1984

Geological Reconnaissance and Mapping - August 8 to August 21, 1984

Geologist		\$	600.00	
Other Labour: 7 Mandays @ \$ 80.00			560.00	
Transportation: Cargo Van Rental -	\$ 405.79)	1/3 of		
Fixed Wing Aircraft Rental	499.20)	Total	929.60	
Helicopter	1503.50)			
Fuel for Van	380.31)			
Purchased Camping Gear and Supplies (1/3 of Total)			178.00	
Provisions and Meals (1/3 of Total)			119.52	
Accommodation (1/3 of Total)			33.33	
Rock Assay			140.00	
Geological/Assessment Report - \$ 1,468.49 (1/3 of Total)			489.50	
W.C.B. 4.8% of \$560.00			26.88	
Miscellaneous Expenses			85.64	\$ 3,162.47

Geochemical Soil Survey - August 8, to August 17, 1984

Geologist			600.00	
Other Labour: 7 Mandays @ \$ 80.00			560.00	
Transportation: (1/3 of Total)			929.60	
Purchased Camping Gear and Supplies (1/3 of Total)			178.00	
Provisions and Meals (1/3 of Total)			119.52	
Accommodation (1/3 of Total)			33.33	
Geochemical Soil Analyses			1,040.60	
Geological/Assessment Report (1/3 of Total)			489.50	
W.C.B.: 4.8% of \$560.00			26.88	\$ 3,977.43

Geophysical Survey (VLF-EM) - August 8, to August 21, 1984

Geologist			600.00	
Other Labour: 6 Mandays @ \$80.00			480.00	
Rental of VLF-EM Instrument: 12 days @ \$ 25.00			300.00	
Transportation: (1/3 of Total)			929.60	
Purchased Camping Gear and Supplies (1/3 of Total)			177.79	
Provisions and Meals (1/3 of Total)			119.52	
Accommodation (1/3 of Total)			33.32	
Geological/Assessment Report (1/3 of Total)			489.49	
W.C.B.: 4.8% of \$ 480.00			23.04	\$ 3,152.76

Total Valuation of Work for Second Part of Assessment Program - \$ 10,292.66

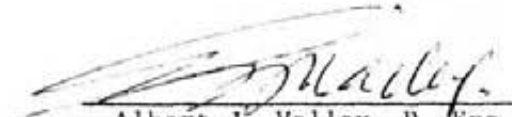
Total Valuation of Work for First Part of Assessment Program - 923.97
(See Assessment Report Submitted on ORO CLAIMS - June 12, 1984)

Total Valuation of Work on ORO CLAIMS - \$ 11,216.63

AFFIDAVIT SUPPORTING SUMMARY OF COSTS

I, Albert J. Valley, P. Eng., President and Director of SAGE RESOURCES LTD., 620 - 475 Howe Street, Vancouver, British Columbia, do hereby state that, to the best of my knowledge, the statement of costs in this report, is a true account of the expenditures incurred on the OFO 1 to 3 and OFO 5 to 12 Claims, in the Atlin Mining Division of British Columbia, during the month of August 1984.

Signed


Albert J. Valley, P. Eng.

Dated

September 11, 1984.

APPENDIX I
PHOTOGEOLOGICAL REPORT

HAROLD M. JONES, P.ENG.
CONSULTING GEOLOGIST

TITLE PAGE

This Report covers a Photogeologic Interpretation of the ORO No. 1 to 3 and ORO No. 5 to 12 (8 two post units and 16 modified grid units) in the Atlin Mining Division of British Columbia, as a preliminary investigation for assessment purpose for the assessment year June 17, 1983 to June 17, 1984.

LOCATION OF CLAIMS

Atlin Mining Division
N.T.S. 104K/1W
132 18 longitude west
38 11 latitude north

OWNER OF CLAIMS

Sage Resources Ltd.
620 - 475 Howe Street
Vancouver, B.C. V6C 2B3

OPERATOR:

Sage Resources Ltd.

CONSULTANTS

Richard E. Kucera, Ph. D. - Photogeology
Roderick Mcrae, P. Eng. - Work Program

AUTHORS

Richard E. Kucera, Ph. D.
Roderick Mcrae, P. Eng.

TABLE OF CONTENTS

	<u>Page</u>
Photogeologic Interpretation -----	1 - 3
Photogeologic Map -----	4
Certificate of Qualification -----	5
Place Fix Map -----	6
Claim Location Map -----	7

June 5, 1984

SAGE RESOURCES LTD.
629 - 475 Howe Street,
Vancouver, B.C. V6C 2B3

Sirs:

In accordance with your instructions the writer has prepared and submits herewith the ensuing report on your ORO 1 - 3 and OPO 5 - 12 mineral claims, sited south of Bearskin Lake in the Atlin Mining Division of British Columbia. This report is a photogeologic Interpretation of these claims from aerial photographs obtained from the provincial government in Victoria.

SUMMARY:

The ORO Claims are located in a large area of pre-upper triassic oceanic sediments and triassic diorites, south of Tetsamenie Lake. Regional scale faulting is common in the area. The two main strike orientation of the regional faulting are northwest - southeast and north - south.

LOCATION AND ACCESS:

The ORO No 1 - 3 and OPO 5 - 12 group of claims are situated at approximately 132° 18' longitude west and 38° 11' latitude north, at center of the claims, approximately 2 Km south of Bearskin Lake. Refer to Mineral Titles Reference Map 104K/1W. The claims are 122 Km southeast of Atlin, B.C. and 73 Km northwest of Telegraph Creek, B.C.

Access is by fixed wing aircraft from Dease Lake or Telegraph Creek or by helicopter from Dease Lake, approximately 140 Km to the east. There is a cat track from Telegraph Creek to an air-strip near the Shelsey River some 20 Km east of Bearskin Lake.

PROPERTY:

The property consists of 24 units (8 two post claims and 16 modified grid units, staked in June 1983, and transferred to Sage Resources Ltd. in December 1983, all located in the Atlin Mining Division of British Columbia. The Claim names, record numbers and record date are shown below:

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record Nos.</u>	<u>Record Date</u>
ORO 1	8	1913	June 17, 1983
ALCO ORO 2	4	1914	"
ALCO ORO 3	4	1915	"
ORO 5	1	1917	"
ORO 6	1	1918	"
ORO 7	1	1919	"
ORO 8	1	1920	"
ORO 9	1	1921	"
ORO 10	1	1922	"
OPO 11	1	1923	"
ORO 12	1	1924	"

June 5, 1984

PHYSICAL FEATURES AND CLIMATE:

The Bearskin Lake area is rugged mountainous country ranging in elevation from 800 meters to over 2500 meters. The claim area ranges in elevation from 1250 meters to 1800 meters and occupies the drainage divide between Bearskin Lake and Samotua River. Usable timber is found to about 1000 meter elevation, above this elevation vegetation is sparse. Glacial ice often covers the north facing slopes at higher elevation. There is heavy snow accumulation from October to April. This results in a relatively short field season, lasting from mid-May to mid-September. The weather is unpredictable. Hot, dry spells can last for weeks during the summer, but low clouds and rain can move in very quickly and persist for days.

HISTORY AND PREVIOUS WORK:

A number of companies and individuals, including several major companies have explored the area over the years, and a number of relatively important mineralized discoveries have been made, however, there are no producing mines in the area presently. During the last couple of years, Chevron Canada Resources Ltd. has been exploring an area just north of Bearskin Lake, which indicated good gold, arsenic and antimony geochemical soil values. Kerr Addison Mines Ltd. are also exploring an area at Heart Peaks, some 48 Km N.N.E. of Bearskin Lake. There has been considerable staking activity taking place in and around the Bearskin Lake area this past winter.

PHOTOGEOLOGIC INTERPRETATION OF ORO 1 - 3 AND ORO 5 - 12 CLAIMS:

Photographs used in the interpretation include flight lines oriented in an E-W direction, photos: B.C. 82016, Nos. 002, 003 and 004. Owing to the scale variation caused by the relief of the terrain, it should be noted that some parts of the landscape within a single photograph will be shown at different scales. Calculations indicate that terrain at 1000 - 1250 meter elevation on the photographs will have a scale of about 350 m/cm, whereas areas at ridge crests, at elevation of 1800 - 1900 meters will have a scale of about 250 cm/cm.

a) Regional Geology

The ORO Claims are located in a large area of pre-upper triassic clastic sediments and intercalated volcanic rocks, mainly altered to phyllite and greenstone. Massive limestones which are well exposed northwest of Bearskin Lake cannot be traced on aerial photographs south of the Lake into the ORO Claims with any degree of confidence. Intrusive crystalline rock of diorite composition is in contact with greenstones and phyllites east of the ORO Claims, on the southeast facing slope of the Samotua River Valley.

b) Structure

Regional scale faulting is common in the area, as evidenced by air photo lineaments. The limestone-greenstone contact north of Bearskin Lake is interpreted as a north-south trending fault. In fact the prominent lineament can be discerned on a coloured Lansat Photo, extending from near Tatsamenie Lake southward to the ORO 5 - 12 Claim block - a distance of 12 Km. Two northwest - southeast trending faults on ORO 2 - 3 blocks are conspicuous because of the alignment of stream segments and small drainage courses. Presumably they reflect areas of intense fracturing in greenstone and phyllite. The very subtle N.N.E. trending linears that appear in ORO 1 block may possibly represent dikes. Folds in the pre-upper triassic phyllites and greenstones are difficult to discern without the presence of marker units.

June 5, 1984

CONCLUSIONS:

A photogeologic study such as this would be greatly enhanced by checking certain stratigraphic and structural features in the field. Some rock units, i.e., intrusive rocks and massive limestones are easily discernible in the stereo-model, whereas differentiation of phyllite and greenstone is difficult because of their somewhat similar photo characteristics. Unfortunately, the scale of the photographs did not permit the examination of subtle features that might be important to the investigation, i.e., the minor folds and fracturing in the Pre-Upper Triassic rocks. Only larger lineaments such as faults have been mapped. (See Photogeologic Map, page 4)

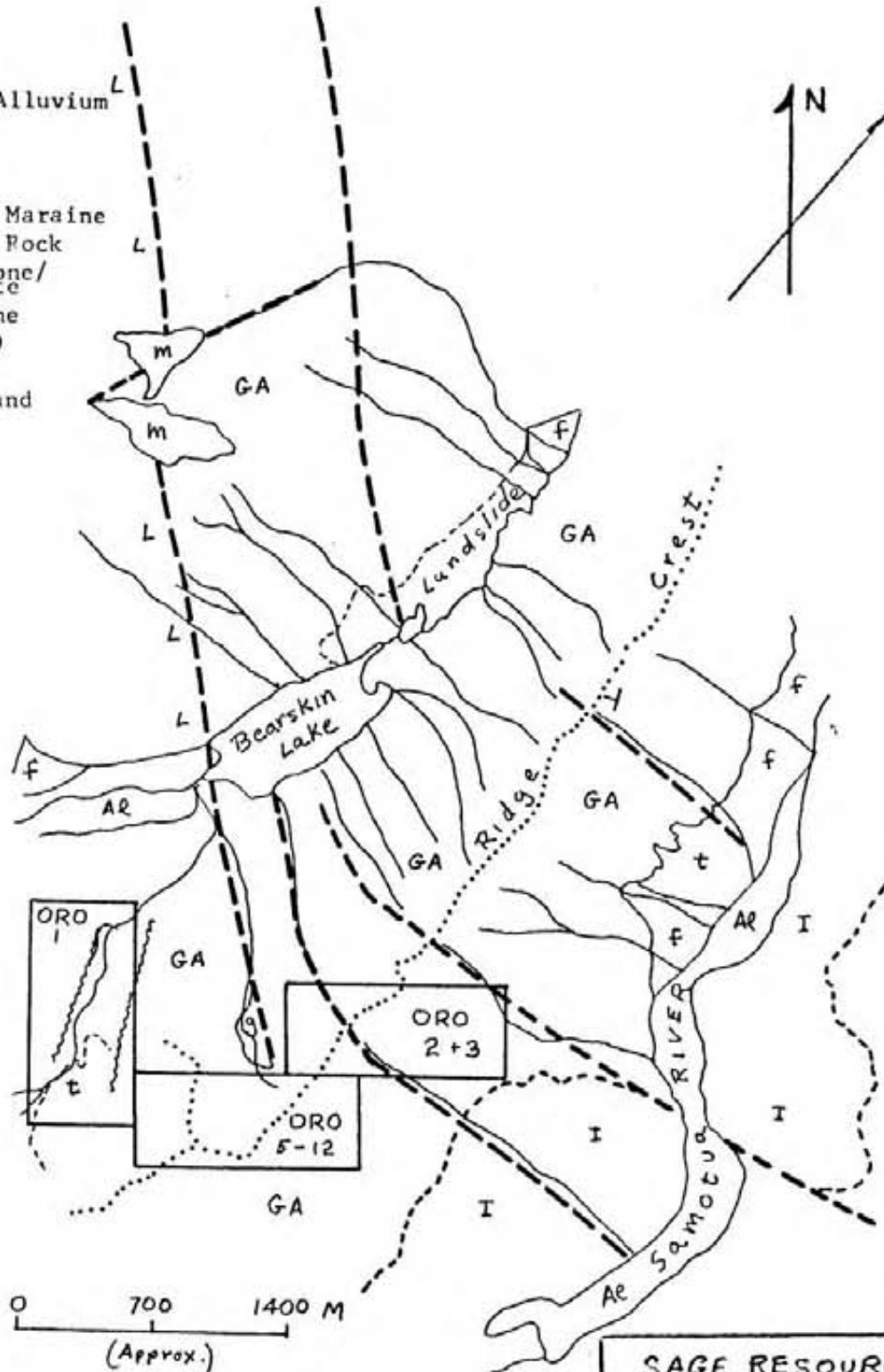


Richard E. Kucera

Richard E. Kucera, Ph. D.

LEGEND

- Al - Stream Alluvium
- F - Fan
- t - Talus
- g - Glacier
- m - Glacial Maraine
- I - Igneous Rock
- GA - Greenstone/Argillite
- L - Limestone
- - - Dike (?)
- - - Fault
- - - Strike and Dip



SAGE RESOURCES LTD.
 PHOTOGEOLOGIC MAP
 ORO 1-3 & ORO 5-12 CLAIMS
 ATLIN MINING DIVISION

NO 1
 Drawn by: R.E. KUCERA
 checked by: RSK
 Date: June 4, 1984

CERTIFICATE OF QUALIFICATIONS

I, Richard E. Kucera, certify:

1. That I am a Consulting Geologist at 845 Hendecourt, North Vancouver, B.C.
2. That I am a Fellow of the Geological Association of Canada, and a member of the Geological Society of America.
3. That I hold B.Sc. and M.Sc. degrees from Ohio State University, and a Ph. D. from the University of Colorado, U.S.A.
4. That I have been practicing my profession as a Geologist for over 25 years.
5. That I personally carried out the photogeologic interpretation on the ORO Claims as described in this report.

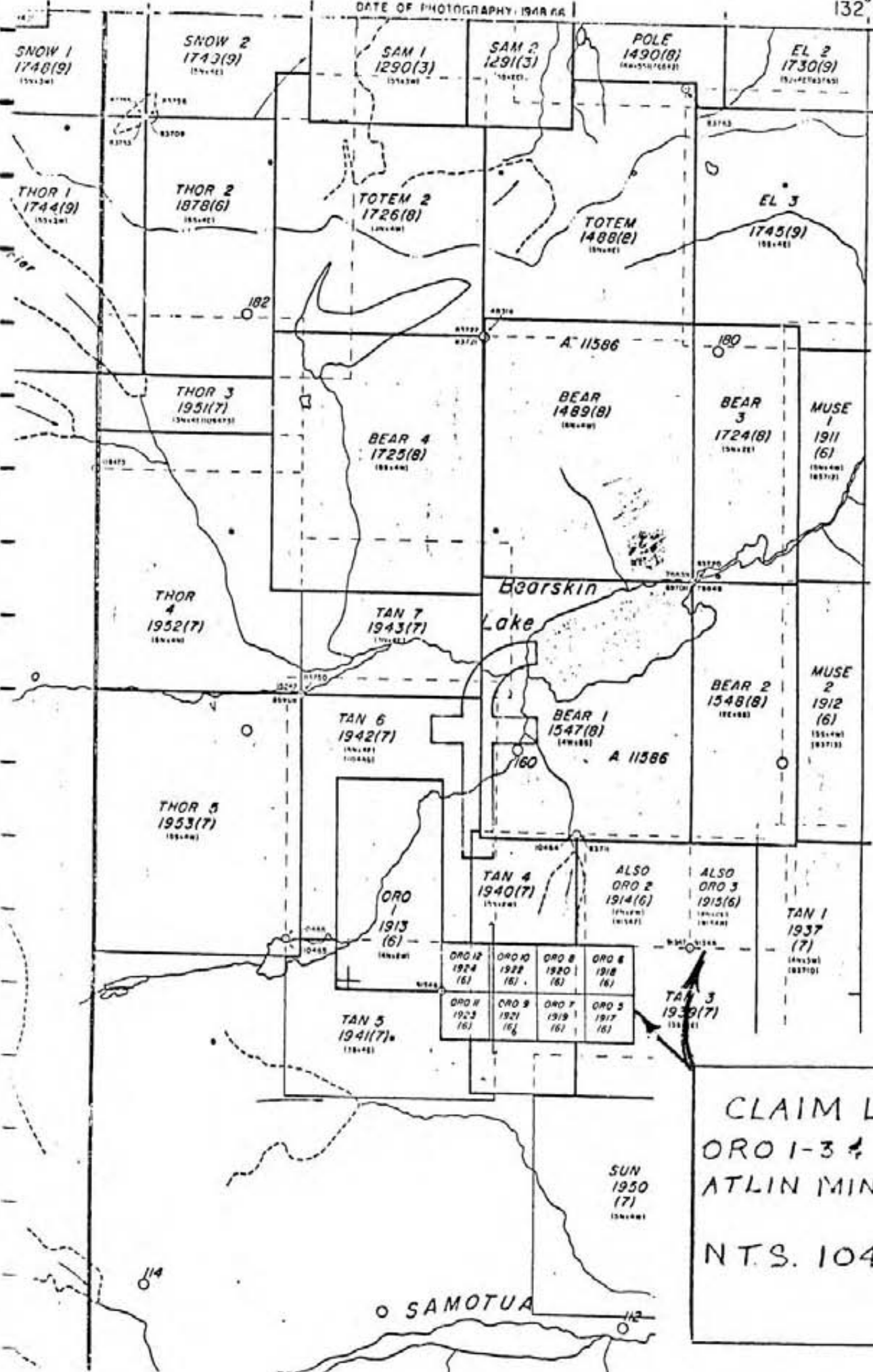
Dated at Vancouver, British Columbia,
this 4th day of June 1984



Richard E. Kucera

Richard E. Kucera, Ph.D.





CLAIM LOCATION
 ORO 1-3 & ORO 5-12
 ATLIN MINING DIV.
 N.T.S. 104K/IW
 R.E.K.

APPENDIX II
ASSAY CERTIFICATE AND HISTOGRAMS

HAROLD M. JONES, P.ENG.
CONSULTING GEOLOGIST

IME ANALYTICAL LABORATORIES LTD.
32 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 23 1984

DATE REPORT MAILED: *Aug 26/84*.....

ASSAY CERTIFICATE

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3-HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA, AU DETECTION LIMIT BY ICP IS 3 PPM.
SAMPLE TYPE: ROCK CHIPS AU** BY FIRE ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER

G.A. NOEL FILE # 84-2265

PAGE 1

SAMPLE#	CU PPM	AU** OZ/T
14701	47	.001
14702	8135	.025
14703	79	.001
14704	126	.001
14705	51	.001
14706	476	.001
14707	2294	.001
14708	99	.001
14709	108	.001
14710	7180	.006

ME ANALYTICAL LABORATORIES LTD.
 2 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 ONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 20 1984

DATE REPORT MAILED: *Aug 22/84*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. J. Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER

G.A. NOEL FILE # 84-2206

PAGE 1

SAMPLE#	CU PPM	AG PPM	AS PPM	SB PPM	AU* PPB
1+00W 4+00N	196	.2	5	2	5
1+00W 3+75N	194	.1	7	3	5
1+00W 3+50N	137	.1	5	2	5
1+00W 3+25N	138	.1	5	2	5
1+00W 3+00N	133	.1	8	3	5
1+00W 2+75N	225	.1	28	2	5
1+00W 2+50N	213	.1	15	2	5
1+00W 2+25N	161	.1	21	2	5
1+00W 2+00N	152	.1	14	2	5
1+00W 1+75N	159	.1	11	2	5
1+00W 1+50N	186	.1	12	2	5
1+00W 1+25N	222	.1	9	2	5
1+00W 1+00N	359	.1	10	2	5
1+00W 0+75N	622	.1	72	35	5
1+00W 0+50N	170	.1	7	3	5
1+00W 0+25N	180	.1	10	3	125
1+00W 0+00N	249	.1	8	3	270
1+00W 0+25S	169	.1	9	2	5
1+00W 0+50S	296	.1	19	2	5
1+00W 0+75S	526	.1	27	2	10
1+00W 1+00S	227	.1	14	2	5
1+00W 1+25S	140	.1	12	2	5
1+00W 1+50S	161	.1	10	2	5
1+00W 1+75S	145	.1	13	2	5
1+00W 2+25S	128	.1	14	2	5
1+00W 2+50S	121	.1	11	2	5
1+00W 2+75S	187	.1	8	2	5
1+00W 3+00S	163	.1	44	2	5
1+00W 3+25S	154	.1	15	2	5
1+00W 3+50S	190	.2	18	2	5
1+00W 3+75S	161	.1	13	2	5
1+00W 4+00S	183	.1	14	2	5
1+00W 4+25S	163	.1	7	2	5
1+00W 4+50S	118	.1	7	2	5
0+00E 4+00N	159	.1	6	2	5
0+00E 3+75N	140	.1	6	2	5
0+00E 3+50N	120	.1	5	3	5
0+00E 3+25N	104	.1	6	3	5
STD S-1/AU 0.5	121	31.8	110	74	490

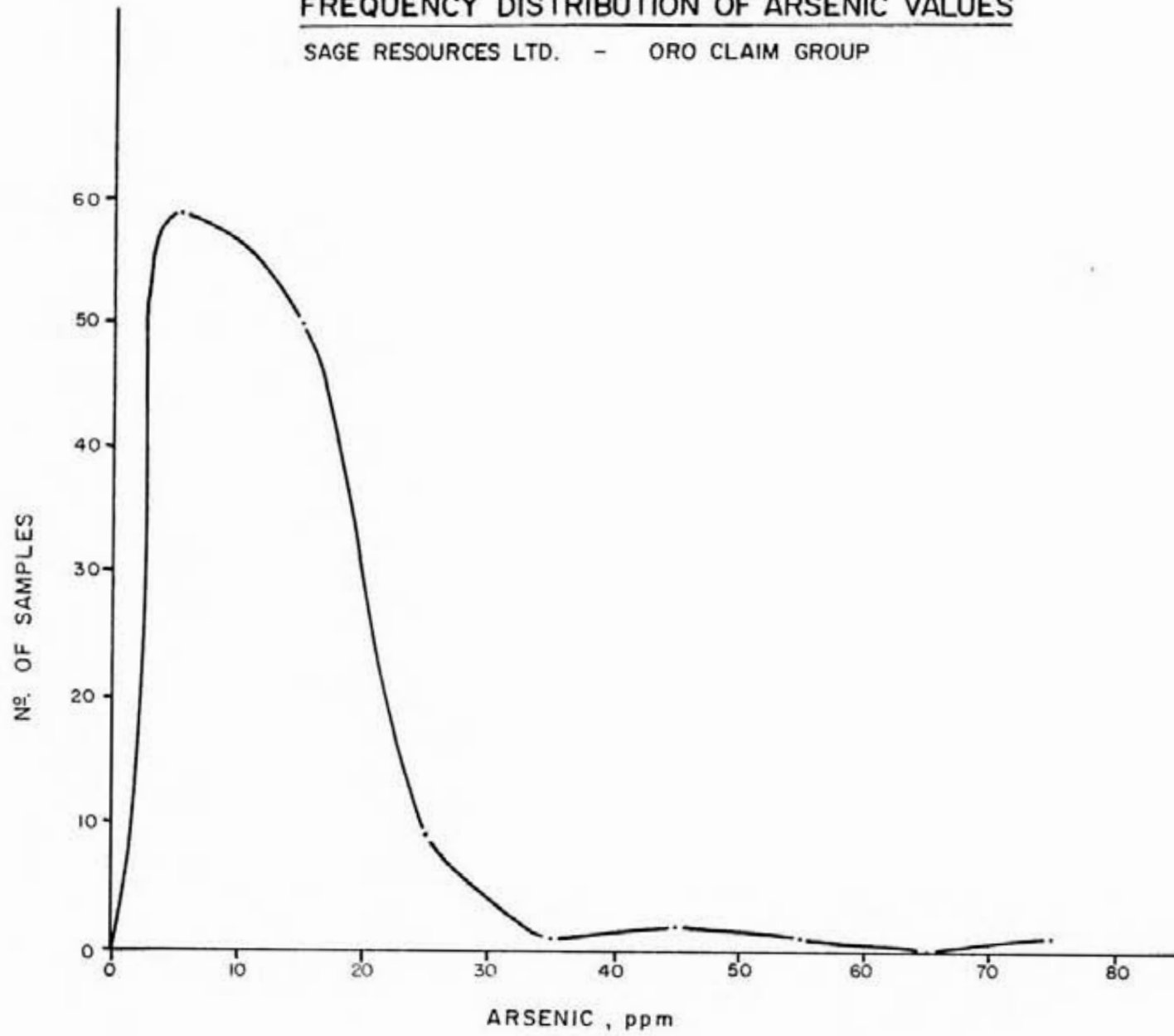
SAMPLE#	CU PPM	AG PPM	AS PPM	SB PPM	AU* PPB
0+00E 3+00N	141	.1	7	2	5
0+00E 2+75N	119	.1	2	2	5
0+00E 2+50N	151	.1	4	2	5
0+00E 2+25N	106	.1	3	2	5
0+00E 2+00N	170	.2	8	4	5
0+00E 1+75N	150	.1	5	2	5
0+00E 1+50N	159	.1	5	2	5
0+00E 1+00N	186	.1	6	2	5
0+00E 0+75N	141	.1	13	2	5
0+00E 0+50N	146	.1	6	2	5
0+00E 0+25N	283	.1	12	2	5
0+00E 0+00N	369	.1	6	2	5
0+00E 0+25S	385	.1	7	2	5
0+00E 0+50S	628	.1	11	2	5
0+00E 0+75S	277	.1	7	2	5
0+00E 1+00S	165	.1	5	2	25
0+00E 1+25S	161	.1	9	2	10
0+00E 1+50S	161	.1	9	2	60
0+00E 1+75S	111	.1	11	2	5
0+00E 2+00S	111	.1	13	2	5
0+00E 2+50S	135	.2	7	2	5
0+00E 2+75S	148	.2	7	2	5
0+00E 3+00S	163	.2	8	2	5
0+00E 3+25S	145	.3	12	2	5
0+00E 3+50S	164	.2	9	2	5
0+00E 3+75S	169	.2	11	2	5
0+00E 4+00S	135	.1	8	2	5
0+00E 4+25S	166	.2	7	2	5
0+00E 4+50S	166	.3	28	3	5
0+00E 4+70S	176	.1	21	3	5
1+50E 1+00N	123	.1	6	2	5
1+50E 0+75N	134	.1	5	3	5
1+50E 0+50N	123	.1	4	2	5
1+50E 0+25N	107	.1	6	2	5
1+50E 0+00N	141	.1	8	4	5
1+50E 0+25S	136	.1	3	2	5
1+50E 0+50S	106	.1	7	2	5
STD S-1/AU 0.5	121	32.4	112	75	490

SAMPLE#	CU PPM	AG PPM	AS PPM	SB PPM	AU* PPB
1+50E 0+75S	105	.1	7	2	5
1+50E 1+00S	118	.1	5	2	5
1+50E 1+25S	122	.1	10	2	5
1+50E 1+50S	138	.1	12	3	5
1+50E 1+75S	123	.1	12	2	5
1+50E 2+00S	148	.1	17	2	5
1+50E 2+25S	144	.1	16	3	5
1+50E 3+00S	148	.1	10	2	5
3+00E 1+00N	125	.1	11	2	5
3+00E 0+75N	111	.1	10	2	5
3+00E 0+50N	98	.1	6	2	5
3+00E 0+25N	124	.1	9	2	5
3+00E 0+00N	79	.1	8	2	5
3+00E 0+25S	81	.1	6	2	5
3+00E 0+50S	97	.1	8	2	5
3+00E 0+75S	121	.1	6	2	5
3+00E 1+00S	114	.1	9	2	5
3+00E 1+25S	126	.1	15	2	5
3+00E 1+50S	144	.1	18	5	5
3+00E 1+75S	147	.1	22	5	5
3+00E 2+00S	152	.1	16	2	5
3+00E 2+25S	161	.1	12	2	5
3+00E 2+50S	141	.1	13	2	5
3+00E 2+75S	134	.1	9	2	5
DR0-1 SS-1	176	.1	18	3	5
DR0-1 SS-2	105	.1	9	2	5
DR0-1 SS-3	122	.2	11	4	5
DR0-1 SS-4	130	.1	15	3	5
DR0-1 SS-5	121	.1	11	2	5
DR0-5 01	211	.3	20	2	5
DR0-5 02	176	.1	11	2	5
DR0-5 03	1004	.4	42	5	15
DR0-5 04	155	.1	21	2	20
DR0-5 05	407	.2	38	2	5
DR0-5 06	515	.2	57	2	35
STD S-1/AU 0.5	123	32.9	115	71	490

SAMPLE#	CU PPM	AG PPM	AS PPM	SB PPM	AU* PPB
ORO-5 07	187	.1	21	2	5
ORO-5 08	176	.1	10	2	5
ORO-5 09	191	.2	4	2	5
ORO-5 10	198	.1	11	2	5
ORO-5 11	155	.2	3	2	5
ORO-5 12	222	.1	11	2	5
ORO-5 13	196	.1	12	4	5
ORO-5 14	169	.1	13	2	5
ORO-5 15	156	.1	8	2	5
ORO-5 16	154	.1	10	2	5
ORO-5 17	156	.1	11	2	5
STD S-1	122	31.0	117	67	-

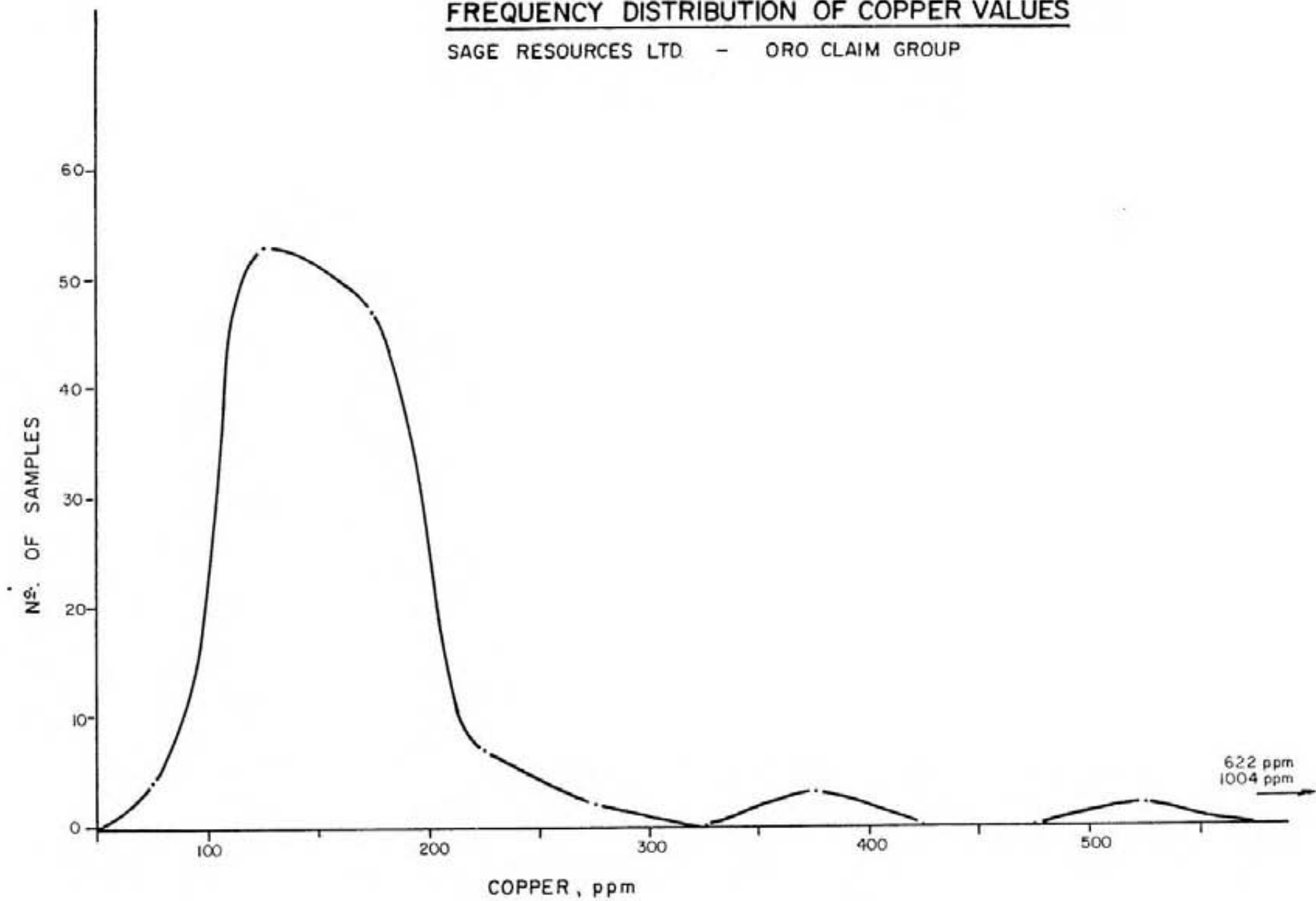
FREQUENCY DISTRIBUTION OF ARSENIC VALUES

SAGE RESOURCES LTD. - ORO CLAIM GROUP



FREQUENCY DISTRIBUTION OF COPPER VALUES

SAGE RESOURCES LTD. - ORO CLAIM GROUP



APPENDIX III

VLF-EM DATA

EM READINGS - 0005

AUG 11/84

N-S GRID

G.D. NEAR COPPER SHOWING

HAWAII

SEATTLE

GRID 1TN	DIP \angle	F. S. (FULL SCALE = 1000)	DIP \angle	F. S. (FULL SCALE = 1000)
0+00	+5	750	0	450
1+25 N	+8	820	-4	450
0+50 N	+10	800	0	450
1+75 N	+10	800	+2	420
1+00 N	0	750	+2	460
1+25 N	0	800	+6	450
1+50 N	-2	860	-2	400
1+75 N	-2	900	+7	800
2+00 N	-2	950	-2	350
2+25 N	0	980	+4	300
2+50 N	+4	940	-2	320
2+75 N	+2	900	-2	300
3+00 N	+3	900	-3	300
3+25 N	+4	940	-2	300
3+50 N	+5	1000	-3	300
3+75 N	+4	900	-4	300
4+00 N	+5	1000	-3	300

LINE 1+00 W.

4+00 N	+19	800	+6	350	Slope
3+75 N	+18	1000	+8	960	"
3+50 N	+18	1000	+8	950	"
3+25 N	+18	1000	+8	1000	"
3+00 N	+20	1000	+7	1000	"
2+75 N	+20	1000	+7	1000	"
2+50 N	+20	1000	+12	1000	"
2+25 N	+18	1000+	+12	1000+	"

LINE 1+00W

HAWAII

SEATTLE.

TRAD STN	DIP L	F.S.	DIP L	F.S.
2+00N	+17	1000+	+13	1000+
1+00N	+1	1000+		
1+75N	+18	1000+	+12	1000+
1+50N	+14	1000+	+10	1000+
1+25N	+12	1000+	+8	1000+
1+00N	+7	1000+	+5	1000+
0+25N	+10	1000+	+3	1000+
0+50N	+10	1000+	+3	1000+
0+25N	+10	1000+	+2	1000+
0+00N	+6	1000+	-2	1000+

E-M READINGS - ORD 5/6
 N-S GRID
 0-0 NEAR COPPER SHALING

Aug 13/84

HAWAII

SEATTLE

CONTINUATION OF LINE 1+00W

<u>GRID</u>	<u>DIP L</u>	<u>F. S. F.</u>	<u>COMMENT</u>	<u>DIP L</u>	<u>F. S</u>
2+50S	-8	1000+		-2	350
7+25S	-2	950		+2	350
4+00S	-3	980		0	400
3+75S	0	1000+		0	350
7+50S	0	1050+		-3	400
3+25S	+4	1000+		-4	350
1+00S	+2	1000+		-5	400
7+25S	+3	1000+		-6	400
2+50S	+4	1000+		-6	350
1+25S	+6	1000+		-4	340
9+00S	+7	950		-6	350
7+25S	+8	950	"no sample"	-5	300
1+50S	+4	950		-4	200
1+25S	+6	950		-3	300
7+00S	+4	1000		-3	220
1+25S	+2	950		-2	200
0+50S	0	800		0	200
2+25S	+3	950		-4	200
0+00S	+4	700		0	50
BASE	-6	900		-2	300

E-M. READINGS - ORO 5/6

Aug 13, 1984

N-S GRID

O-O NEAR COPPER SHOWING

NAWALI

SEATTLE

CONTINUATION OF LINE

O + OOE

SOUTH

PRID TN	DIP L	F.S.		DIP L	F.S.
BASE	- 6	500		- 6	360.
+25S	+ 9	620		0	300
+50S	+ 6	650.		+ 6	260
+75S	+ 6	700.		+ 7	300
+100S	+ 6	700		+ 6	300
+125S	+ 6.	700		+ 6	300
+150S	+ 10	750		+ 9	320
+175S	+ 14	700.		+ 5	300
+200S	+ 12	750		0	320
+225S	+ 14	800	Wat Jalua	0	300
+250S	+ 8	860	"no sample"	0	320
+275S	+ 5	900		- 5	350
+300S	+ 7	900		- 3	320
+325S	+ 6	1000		- 3	350
+350S	+ 2	1000.		- 5	350
+375S	+ 4	1000		- 5	400
+400S	0	960		0	400
+425S	- 2	1000 +		- 3	400
+450S	- 3	1000 +		+ 2	400
+475S	- 7	1000 +		+ 2	350

E-14 READING

Aug 13/44

ORD 5/L

HAWAII "LINE 1+50E" SEATTLE

<u>R/D</u> <u>STN</u>	<u>DIP L</u>	<u>F.S</u>	<u>COMMENT</u>	<u>DIP L</u>	<u>F.S.</u>
BASE	-5	900		-7	380
3+00S	-8	1000+		-2	300
2+75S	-3	1000+		-3	300
2+50S	0	1000+		0	300
2+25S	0	1000+		0	300
2+00S	-2	1000+		+2	300
1+75S	-3	1000+		+5	300
7+50S	0	1000+		+4	300
1+25S	+2	1000+		+5	300
1+00S	+4	1000+		+2	300
0+75S	+5	1000+		+6	300
0+50S	+9	1000+		+5	350
0+25S	+10	1000+		+4	300
0+00S	+10	1000+		+4	300
0+25N	+13	1000+		+5	320
0+50N	+14	1000+		+3	340
0+25N	+16	980		0	300
1+00N	+16	950		+2	300

E. M. READINGS

ORO 5/6.

Aug 13/84

LINE 3+00E.

HAWK II			SEX TALE		
<u>VALD</u> <u>IN</u>	<u>DIPL</u>	<u>F.S.</u>	<u>COMMENT</u>	<u>DIPL</u>	<u>F.S.</u>
+00N	0	1000+		-5	350
+75N	+4	1000+		-3	300
+50N	0	1000+		0	300
+25N	0	1000+		0	300
+00	+5	1000+		-4	320
+25S	+4	1000+		0	340
+50S	+2	1000+		0	340
+75S	-2	1000+		+2	340
+00S	-3	1000+		+5	300
+25S	-2	1000+		+9	300
+50S	0	1000+		+8	300
+75S	0	1000+		+12	300
+00S	-7	1000+		+12	300
+25S	-7	1000+		+12	280
+50S	-10	1000+		+12	280
+75S	-12	1000+		+12	300

————— III —————

May 27, 1984

PROPOSED EXPLORATION PROGRAM - 1984

INTRODUCTION:

The ORO Claim group was staked in June 1983 and recorded on June 17, 1983. These claims are now owned by Sage Resources Ltd., 620 - 475 Howe Street, Vancouver, B.C., V6C 2B3, according to an officer of Sage Resources Ltd. Since effective exploration work cannot be done before June 17, 1984, certain recommendations to protect title to the claims, by filing the costs of preparatory work, plus P.A.C. Deposit, plus cash-in-lieu, have been made.

The ORO Claim Group consists of 16 units and 8 two-post claims located in the Atlin Mining of British Columbia, on N.T.S. Map 104K-1, north of the Samotua River. Land elevations range from 4500 feet (1370 meters) to 6000 feet (1825 meters).

EXPLORATION PROGRAM

1. Construct a topographic map of the claim area on a scale of 1:10,000 or 1:5000 scale, with contour intervals at 30 meters and 60 meters.
2. Prepare an air photo interpretation of the claim area using B.C. Government air photography and Lansat photography. The objective will be to locate lithologic contacts and major and minor faults and structures.
3. Conduct a field exploration program consisting of:
 - a) Geological mapping
 - b) Outcrop mapping and sampling
 - c) Soil sampling of selected areas on a 60 m by 60 m grid
 - d) Hand trenching and sampling of selected areas of interest
 - e) Geochemical analysis of soil and rock chip and trenching samples.
4. File an assessment report c/w cost statement, maps, assays etc to maintain the ORO Claim Group for 3 years (minimum) from June 17, 1984 and if, requested prepare a report for the Vancouver Stock Exchange.

The estimated cost of this exploration program is \$27,585. (see cost estimate dated May 10, 1984, amended to include \$1,200 for construction of the topographic map).

Respectfully submitted


Roderick Macrae., P. Eng.

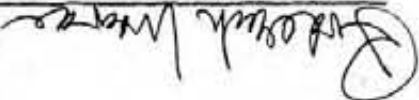
To: A. J. VALLEY,
SAGE RESOURCES LTD.,
620 - 475 HOME STREET,
VANCOUVER, B. C. V6C 2B3

May 10, 1984

COST ESTIMATE - 14 DAY FIELD WORK ON CLAIMS, ORO 1-3 and ORO 5-12
ATLIN MINING DIVISION, BRITISH COLUMBIA

ITEM	DAYS, HRS,	RATES-DAY, HRS, TRIP/MILES	COST ESTIMATE
Budget Estimate	1.5 days	\$165/Day	\$ 250.00
Air Photo Study	2.0 "	\$200.00	400.00
TRANSPORTATION - COMMUNICATIONS			
Vanc-Watson Lake Return	5.0 Trips	500.00	2,500.00
Watson L. Dease Lake Truck and Driver	2.0 Trips	290.00/Trip	580.00
Lease L-Bearskin L. F/W 180 mi 8.0 Hrs		200.00/Hr	1,600.00
Lease L-Bearskin L. Split			
Charter, Chopper 0.75 Hrs		550.00/Hr	415.00
Crew Moves - Chopper	10.0 Hrs	550.00/Hr	5,500.00
Watson L.-Bearskin L. Cessna 185 360 Miles		0.70/mi	259.00
Communications - L.D.-Tel.			100.00
Consulting Fees & Labour			
Consultant	3.0 Days	250.00/Day	750.00
Geologist-Mapping, Sampling	14.0 Days	200.00/Day	2,800.00
Geologist Helper - Svy & Sampling	14.00 Days	100.00/Day	1,400.00
" " " "	14.00 day	100.00/Day	1,400.00
Compensation 5% of \$6,350			320.00
RENTAL			
Camp, Cooking Gear, Stoves	20.00 Days	50.00/Day	1,000.00
Radio Transmitter/Res	15.00 Days	200.00/Month	109.00
Stereoscope	1 Month	100.00/Month	100.00
SUPPLIES/TECHNICAL:			
Picks, Shovels, Chopper			450.00
Sheets, Bear Bangers, Tapes, Chain			
Food	42 Man-Days	25.00/Day	1,050.00
Fuel - 40 Ltr Naptha		0.75/Ltr	30.00
SAMPLES - 200 Soil & 50 Rock Chip			
Preparation Soils - 200		0.60/Sample	120.00
" Rock - 50		2.20/Sample	110.00
Assays - 250 Au, Ag-Cu, As, Sb			3,180.00
Airfreight on Samples			100.00
REPORTS			
Assessment Report, Preparation	3 Days	165.00/Day	500.00
Maps, Draughting	15 Days	20.00/Hour	300.00
" Printing			100.00
V.S.E. Report	3 Days	165.00/Day	500.00
Filing Fee - Assessment Report			480.00
TOTAL OF ESTIMATE			
			\$26,385.00

Roderick Macrae, P. Eng.



AFFIDAVIT SUPPORTING SUMMARY OF COSTS

I, Albert J. Valley, P. Eng., and Director of SAGE RESOURCES LTD., Vancouver, British Columbia, do hereby state that, to the best of my knowledge, the statement of costs in this report, is a true account of the expenditures incurred on the OFO No. 1-3 and OFO 5-12 mineral claims, situated in the Atlin Mining Division.


Albert J. Valley, Director

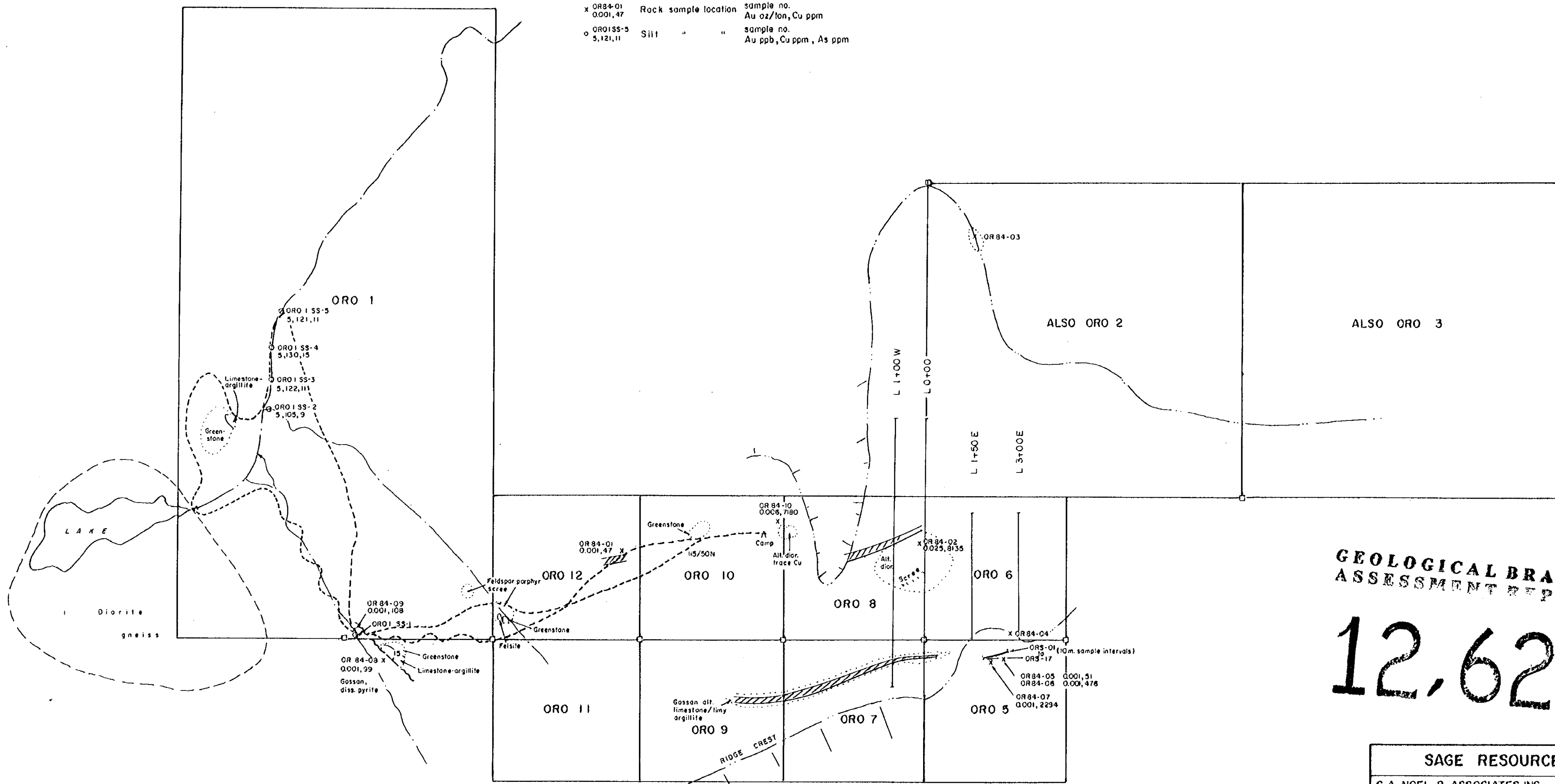
June 5, 1984

Date



LEGEND

- Creek
- Ridge crest
- - - Traverse
- Claim post
- Outcrop
- ~ Fault
- x OR84-01
0001,47 Rock sample location sample no.
Au oz/ton, Cu ppm
- OR01SS-5
5,121,11 Silt " " sample no.
Au ppb, Cu ppm, As ppm



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,628

SAGE RESOURCES LTD.		
<small>G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.</small>		
ORO CLAIM GROUP GEOLOGY AND ASSAY PLAN		
<small>ATLIN M.D., B.C.</small>		
<small>0 200 400 600 metres</small>		
<small>SCALE 1:10,000</small>	<small>SEPT. 1984</small>	<small>FIG. 3</small>
<small>R. S.</small>		