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GEOLOGICAL, GEOPHYSICAL AND  
DIAMOND DRILLING REPORT

on the

GRACE 1 to 5 CLAIMS

Lat.  $57^{\circ} 11' N.$  Long.  $126^{\circ} 52' W.$

N.T.S. 94 E/2

*Omineca M.D.*

for

ASITKA RESOURCE CORPORATION

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

by  
**13,057**

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

and

D. R. MacQuarrie, B.Sc.

August 20, 1984

Vancouver, B. C.

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## SUMMARY

ASITKA RESOURCE CORPORATION holds 59 claim units, the GRACE group, located in the Toodoggone River area of north-central British Columbia. Access is by fixed wing aircraft from Smithers, a distance of 250 kilometres, to the Sturdee Airstrip and then 14 kilometres by helicopter to the property.

The property is underlain by four main rock types: intercalated volcanics and volcanoclastics, granodiorite, marble and siltstone. The volcanics are part of a northwest trending belt of the early to middle Jurassic Toodoggone volcanic sequence. The granodiorite is part of a north-west trending pluton of middle Jurassic age. Marble and siltstone of the Permian Asitka Group forms three roof pendants within the granodiorite. Main types of mineralization on the property include: 1) copper ± zinc ± gold in skarn along marble granodiorite contacts; 2) gold in siliceous zones and chlorite veins with coarse pyrite in pyritic metasiltstones; and 3) gold associated with quartz breccia zones.

Between July 23 and August 8, 1983, 15.7 line kilometres of induced polarization and 7.0 line kilometres of magnetometer surveying were completed. Geological mapping, detailed sampling of the main skarn zones and reconnaissance sampling on the GRACE #5 claim were also completed.

During the period from September 17 to October 6, 1983 a program consisting of 291 metres (956 feet) of NQ diamond

drilling in seven holes was completed.

### CONCLUSION

The detailed sampling and geophysical program outlined three distinct drill targets which were subsequently tested. Sub-economic gold values (.001 to .106 oz/ton Au), silver values (.02 to 8.40 oz/ton Ag) and copper values (.01 to 1.72% Cu) associated with skarn zone were intersected. The drilling demonstrated that the skarn zones are continuous to in excess of 35 metres in depth, and carry variable gold, silver, copper and zinc values.

Reconnaissance sampling on the GRACE #5 claim indicates the presence of geochemically anomalous gold and silver values associated with quartz breccia zones in Toodoggone volcanic rocks.

### RECOMMENDATIONS

Further assaying of the drill core from holes 83-3, 4 and 5, and surface sampling will be required to evaluate the economic potential of the mineralization located near L32+50W 7+20N. Wide intersections containing low gold values (39 feet of .043 oz/ton Au, 0.23 oz/ton Ag and 0.47% Cu) were obtained.

A program of detailed mapping and geochemical soil sampling is recommended to evaluate the quartz-breccia zones discovered on the Grace 5 claim.

## INTRODUCTION

The GRACE claims cover vein and quartz breccia type mineralization and skarn-type copper-zinc-gold showings in the Toodoggone River area of north-central British Columbia. The Toodoggone River area recently has been the site of intensive exploration activity for epithermal gold-silver deposits.

The Baker Mine had initial reserves of 100,000 tons grading 0.9 oz/ton Au and 17 oz/ton Ag and Serem's Lawyers property has proven reserves greater than 500,000 tons grading 0.20 oz/ton Au and 6.7 oz/ton Ag.

This report summarizes the results of field work carried out on the Grace property during the period July 23 to October 6, 1983. Purpose of the work was to carry out detailed sampling and geophysics in the area outlined by D. G. Allen in his report dated January 18, 1982. A follow up program of NQ diamond drilling, totalling 291 metres (956 feet) was also completed.

## LOCATION, ACCESS, PHYSIOGRAPHY

The GRACE property is situated 250 kilometres north of Smithers in the Toodoggone River area (Figure 1). Access is by fixed wing aircraft to the Sturdee Airstrip near the Baker Mine and thence by helicopter 14 kilometres to the property (Figure 2).

GRACE CLAIMS  
LOCATION MAP  
ASITKA RESOURCE CORPORATION

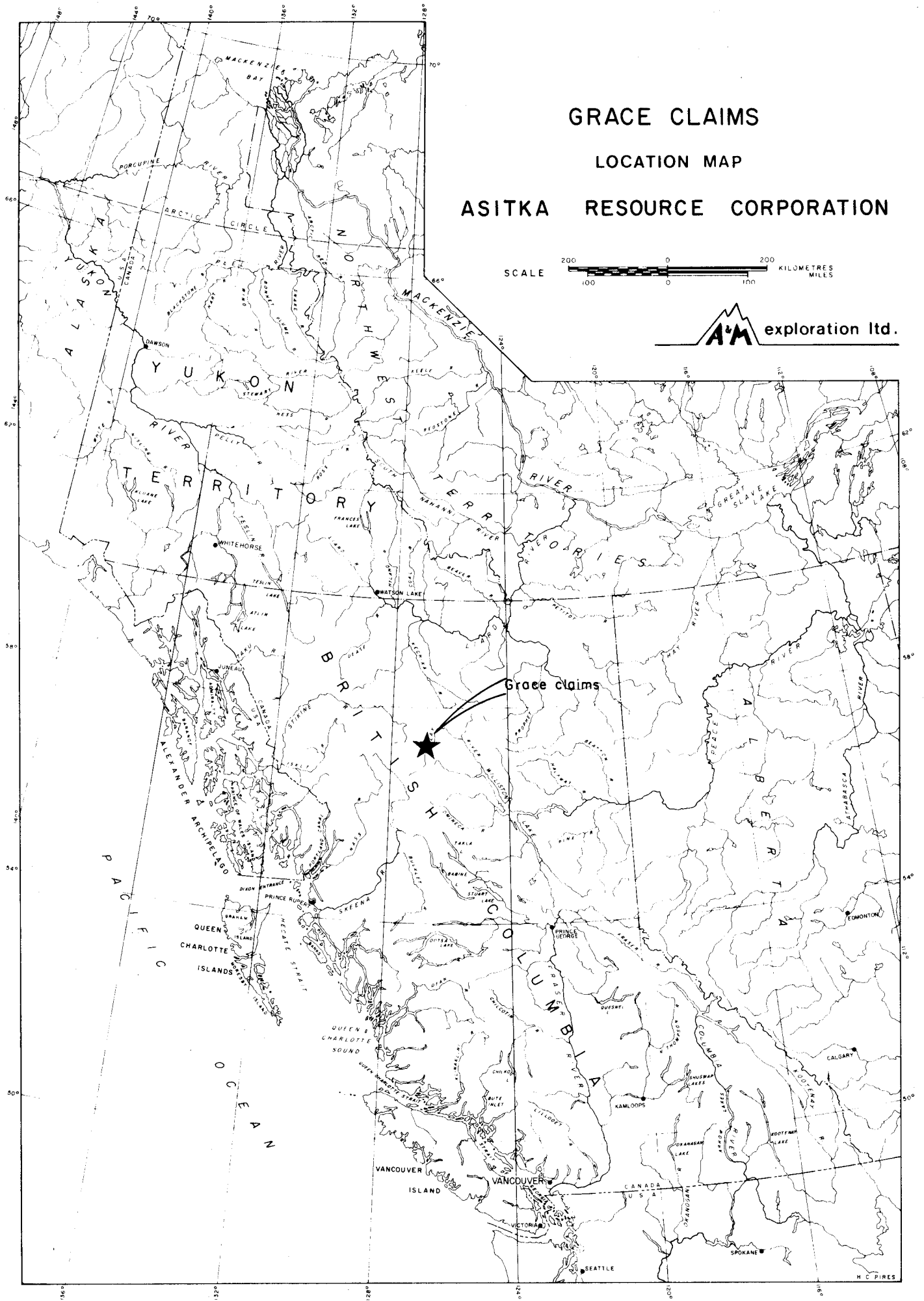
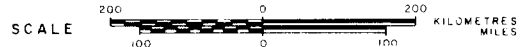
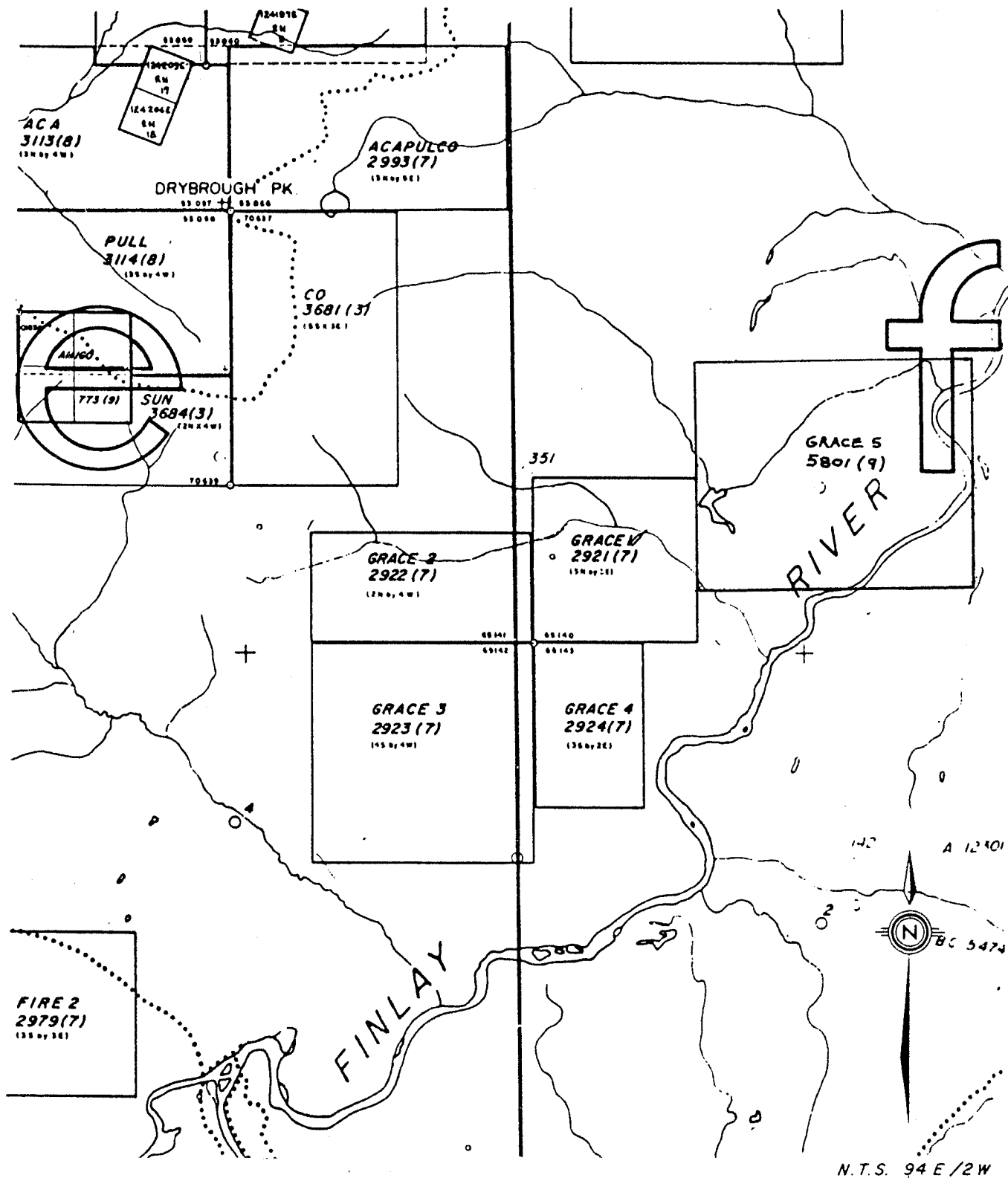


FIGURE - I

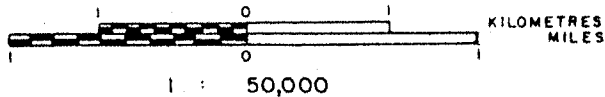


ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS

OMINECA MINING DIVISION BRITISH COLUMBIA

CLAIM MAP

*Donald B. Allen* SCALE  
**A.M.** exploration Ltd.



N.T.S. 94 E / 2W

FIGURE 2



Topography in the area is characterized by rugged mountain ranges and peaks, separated by broad stream valleys. The GRACE claims lie on the gentle slopes of the Finlay River valley between elevations 1100 and 1500 metres (3,600 to 5,000 feet).

#### CLAIM DATA

The property consists of the GRACE 1 to 5 claims (59 units) which were staked under the Modified Grid System (Figure 2). Claim data are as follows:

<u>NAME</u>	<u>RECORD NO.</u>	<u>NO. UNITS</u>	<u>TAG NO.</u>	<u>EXPIRY DATE</u>
GRACE 1	2921	9	65140	July 25, 1985
GRACE 2	2922	8	65141	July 25, 1984
GRACE 3	2923	16	65142	July 25, 1984
GRACE 4	2924	6	65143	July 25, 2984
GRACE 5	5801	20	65579	Sept. 20, 1984

It is expected that acceptance of this report for work credits, will extend the above expiry dates two years to 1986.

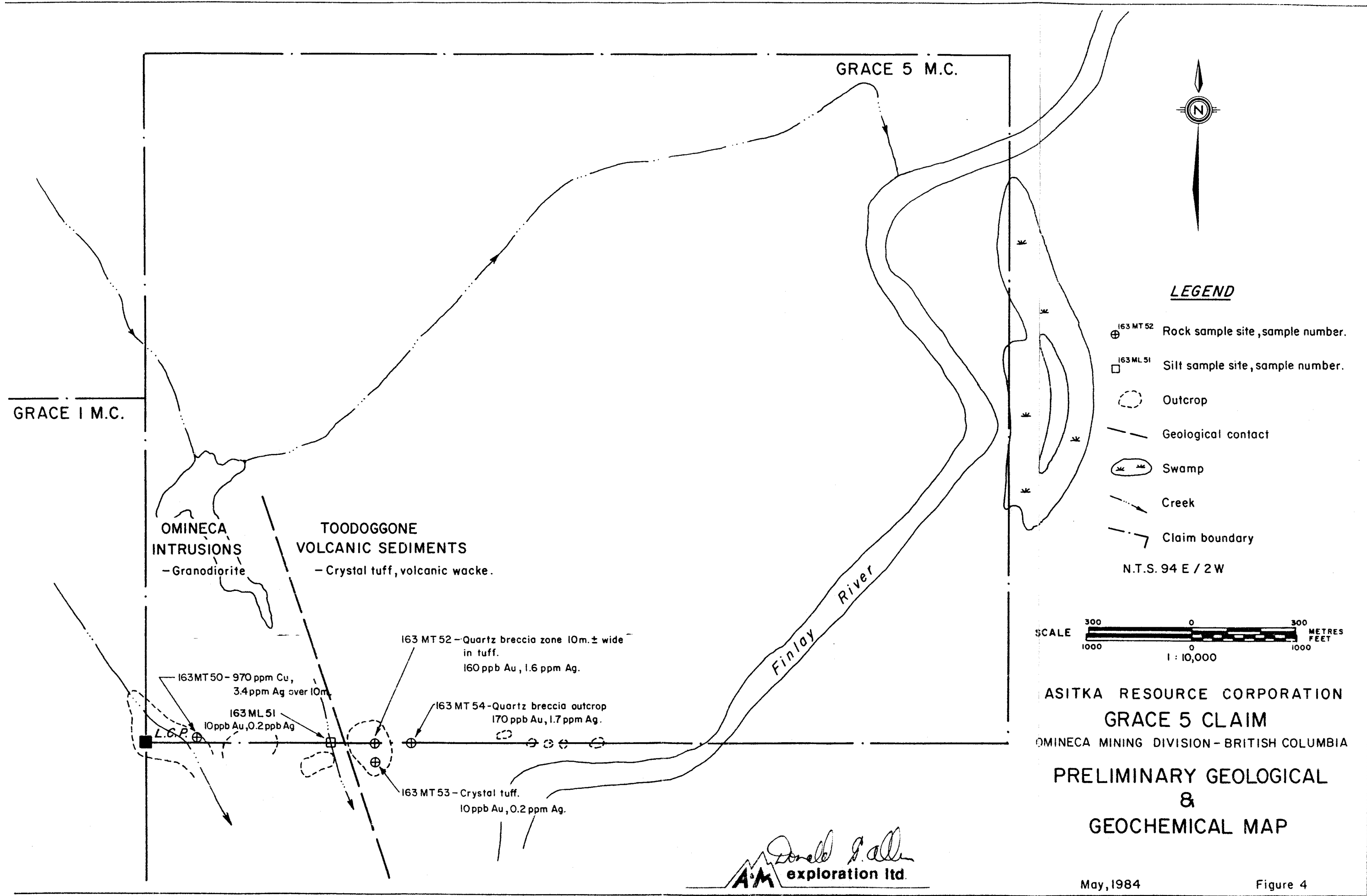
#### HISTORY

The claim area was originally staked by Amax Exploration Inc. in 1973 to cover copper, molybdenum and zinc geochemical anomalies. In 1974 the company carried out 23 line kilometres

of magnetic surveys, geochemical soil sampling and geological mapping (Hodgson and Lebel, 1974 Assessment Report 5144). The claims were subsequently allowed to lapse. The property was restaked in 1978 by D. R. MacQuarrie who carried out further geochemical sampling, VLF-EM surveys, geological mapping, prospecting, trenching, line cutting and additional claim staking in 1978 to 1980. In 1981, Tunkwa Copper Mines Ltd., under the direction of D. G. Allen, completed 44 metres of trenching, and some detailed mapping and sampling. In addition, 133 samples were taken from storage and analyzed for Au.

#### 1983 PROGRAM

In order to further define drill targets a program consisting of 15.7 line kilometres of induced polarization, 7.0 line kilometres of magnetometer surveying and detailed mapping and sampling was carried out. A total of 59 rock samples, 16 soil samples and one silt sample were collected and submitted for assay. Based on the results of the above program, seven NQ diamond drill holes were spotted and a total of 291 metres (956 feet) of drilling completed.



ROCK SAMPLE DESCRIPTIONS

Sample No.	Grid Location		Description	oz/ton		ppm			
				Au	Ag	Cu	Pb	Zn	As
163 MT 3	34+20W	10+00N	Muscovite chlorite skarn and large blebs of specularite - very soft matrix.	0.008	0.12				
MT 4	33+95W	9+93N	Muscovite chlorite skarn sample over 5m width - minor specularite, minor vuggy quartz inclusions.	0.001	0.12	42	34	376	
MT 5	L34W	9+88N	Granodiorite - fresh, minor py ± cpy.	0.001	0.02	60	14	50	
MT 6	34+15W	9+75N	Garnet skarn-massive red-brown garnet, minor lg. grn garnet ± minor specularite over 1 x 4m	0.001	0.02	286	10	194	
MT 7	34+05W	9+58N	Magnetite - garnet skarn ± cpy to 1%, m sphal, py-from zone striking ~ 285°. Sampled over 42m long x 2 to 4m width.	0.038	0.48	11000	2	530	26
MT 8	L34W	9+45N	Massive brown garnet skarn ± diss cpy, minor hematite, malachite.	0.001	0.02	66	14	172	
MT 9	L34W	9+43N	Granodiorite-siliceous vein to 90% qtz phenos to 5mm. Cross-cutting fresh granodiorite.	0.007	0.02	180	28	174	
MT 10	L34W	9+10N	Highly altered granodiorite with altered sedimentary inclusions - ± chlorite muscovite, hematite, - soft, chip across 15m.	0.004	0.02	14	22	194	
MT 11	L34W	9+25N	Soft altered skarn.	0.001	0.02	94	32	232	
MT 12	L34W	8+92N	Garnet skarn, m specularite over 2 x 7m.	0.004	0.02	18	22	218	
MT 13	L34W	8+85N	Garnet skarn ± epidote, sphalerite, specularite.	0.001	0.02	74	16	56	
MT 14	21+70W	15+10N	Quartz vein - to 2m wide o/c over 20m, striking ~ 142° - cpy, specularite, m. malachite.	0.001	0.04	540	10	20	
MT 15	L21+50W	11+95N	Quartz vein - m cpy, sphalerite (?)	N/A					
MT 16	L20+00W	8+20N	Silicified green skarn.	0.001	0.02	20	10	20	
MT 17	L20+00W	8+00N	Siliceous sediments → qtz vein with m py.	0.001	0.02	152	8	20	
MT 18	18+08W	8+82N	Siliceous - skarn with py diss. as coarse cubes to 4mm and also on fracture surfaces, minor cpy.	0.001	0.02	324	16	270	
MT 19	18+18W	8+80N	Skarn - rusty weathering, green chlorite skarn - minor mag, cpy.	0.003	0.22	2710	28	310	
MT 20	18+50W	9+00N	Garnet skarn - massive red garnets - sampled over 10m of sub o/c.	0.001	0.02	26	2	36	
MT 21	24+52W	11+80N	Quartz vein - very rusty sample, py, cpy, magnetite to 10% - py in coarse cubes to 3mm square blebs red garnet.	0.001	0.04	290	2	22	
MT 22	24+40W	12+20N	Skarn - fg green (diopside) skarn with coarse diss cpy over 2m, minor magnetite - adjacent to 3x5m of wollastonite skarn (radiating clusters to 4cm in length.	0.010	0.32	5200	8	110	
MT 23	24+30W	12+18N	Diopside skarn with coarse (to 2mm blebs), diss cpy, very minor magnetite over 1m.	0.007	0.30	9400	2	1440	

Sample No.	Grid Location		Description	oz/ton		ppm			
				Au	Ag	Cu	Pb	Zn	As
MT 24	23+50W	12+68N	Skarn - magnetite - epidote, sub-outcrop - over 1m.	0.001	0.02	84	2	320	
MT 25	23+35W	12+90N	Skarn - massive magnetite epidote - qtz skarn with minor cpy, sphal, spec, over 13m width.	0.001	0.08	670	2	430	
MT 26	23+85W	13+62N	Skarn - fg green skarn, very rusty weathering, - to 20% magnetite.	0.008	0.18	1400	2	138	
MT 27	23+45W	13+35N	Garnet skarn - massive.	0.001	0.02	82	8	70	
MT 28	L22+50W	13+50N	Quartz vein - very rusty qtz with minor cpy and garnet.	0.001	0.02	184	76	140	
MT 29	L22+50W	13+50N	Skarn - garnet epidote with minor cpy, specularite.	0.001	0.06	168	184	480	
163 MT 30	22+20W	13+40N	Skarn - massive garnet and magnetite, specularite m cpy - sampled over 7m.	0.001	0.06	90	6	174	
MT 31	14+00W	11+40N	Siliceous siltstone? - very pyritic to 10% finely diss py. Sampled over 5m width.	0.001	0.02	18	10	14	
MT 32	14+40W	11+40N	Gneissic biotite siltstone - very heavily pyritized - chip sample over 30m.	0.001	0.10	160	32	212	
MT 33	14+70W	12+00N	Siliceous pyritic siltstone over 20m.	0.001	0.12	120	44	52	
MT 34	15+70W	Old STN 12+00N	Gneissic biotite siltstone cut by pink calcite veinlets.	0.001	0.02	96	6	46	
MT 35	L16+00W	13+60N	Granodiorite - shear vein minor malachite; cpy, py. Strike 280° - possibly resample of AMAX assay No. 52035.	0.006	0.08	570	24	320	
MT 36	22+50W	13+60N	Skarn - garnet epidote.	0.001	0.02	114	144	730	
MT 37	L18+00W	8+80N	Skarn - green garnet epidote magnetite, cpy.	0.022	0.30	92	4	37	14
MT 38	24+30W	12+55N	Gneissic biotite silstone, altered to dark greenskarn, minor epidote.	0.001	0.02	184	28	140	
MT 39	24+50W	13+30N	as above.	0.001	0.02	16	2	16	
MT 40	24+50W	13+60N	Pale green skarn minor garnet occurring as massive red blebs.	N/A					
MT 41	24+50W	13+80N	Qtz. vein - with minor garnet overall pale green colouration.	0.002	0.02	6	4	10	
MT 42			Skarn - tremolite, calcite, up to 20% specular hematite; minor sphalerite, cpy., py.	0.002	0.14	3560	2	146	
MT 43	33+20W	10+10N	Gneissic biotite siltstone altered to low grade skarn.	0.001	0.02				
MT 44	32+35W	7+60N	Garnet skarn - massive red garnet, very rusty weathering after pyrite.	0.114	0.46	1320	32	170	
MT 45	33+25W	10+00N	Gneissic ltstone altered to soft green skarn - remnant bedding or foliation after biotite	0.001	0.02	52	6	30	16
MT 46	18+70W	10+80N	Gneissic siltstone - pyrite to 10%.	0.001	0.02	84	10	30	

Sample No.	Grid Location	Description	oz/ton		ppm			
			Au	Ag	Cu	Pb	Zn	As
MT 47	31+95W 7+50N	Skarn - purple to mottled green skarn with minor garnet.	0.001	0.02	16	2	52	18
MT 48	32+15W 7+45N	As above but with diss blebs to 2mm of cpy.	0.036	0.02	3500	2	120	8
RT 1	25+65W 12+60N	Garnet skarn, over 5m sandwiched between o/c of massive marble.	0.001	0.08	110	2	68	10
RT 2	24+30W 12+40N	Garnet skarn, sampled over 15m.			62	2	44	8
TT 1	16+50W 9+25	Chlorite muscovite skarn - minor crosscutting pink pegmatite veinlets.			42	12	134	16
TT 2	17+95W 8+80N	Garnet skarn - massive red and green garnets with minor cpy., calcite, magnetite.	0.001	0.04				
TT 3	18+25W 8+85N	Skarn - mottled purple to green skarn, diss. py., cpy. to 2% - minor magnetite specularite. Crosscutting alteration zone - epidote as matrix with qtz phenos. in intense muscovite chlorite alt. zone.	0.001	0.12	430	12	220	8
163 TT 4	18+45W 8+95N	Skarn - massive garnet magnetite skarn.	0.001	0.06				
TT 5	18+50W 8+50N	Skarn - epidote	0.001	0.04	48	12	150	2
TT 6	18+50W 9+35N	Marble	0.001	0.06	12	2	16	14
TT 7	19+15W 8+75N	Garnet skarn	0.001	0.02	16	6	20	4

## SAMPLING RESULTS

Detailed geological mapping and sampling of the west skarn zone (Figure 5a-d), the north skarn zone (Figure 6a-d) and the east gold anomaly (Figure 7a-d) was completed. The rock sample co-ordinates, descriptions and assay results follow this page. All samples were analyzed for Au, Ag, Cu, and Zn, and some also for Pb by Rossbacher Laboratory Ltd. using standard atomic absorption methods. Some samples containing anomalous gold values were check fire assayed by Chemex Labs Ltd.

Skarn mineralization, consisting of massive red and green garnet, with variable amounts of magnetite, specular hematite, diopside, wollastonite, epidote and chlorite, was found over large areas of the detailed grids. Assay values ranged from .001 to 0.114 oz/ton Au. The highest gold values were obtained from skarn located near 7 + 60 N. on L 32 + 50 W., and at 9 + 60 N. on L 34 + 00 W. Silver values ranged from 0.02 to 8.40 oz/ton Ag. High Ag values generally correlate with high Au and high Cu values (to 1.1% Cu). A few of the samples were also assayed for arsenic, revealing a positive correlation between high Au and high As values. The complete assay results are presented in Appendix I.

Preliminary sampling on the Grace 5 claim (Figure 4) indicates anomalous (160-170 ppb Au) gold values associated with quartz breccia zones in the Toodoggone volcanic rocks.

## GEOPHYSICAL RESULTS

### Induced Polarization Survey

In order to locate buried sulfide concentrations a combined induced polarization-resistivity survey was completed. A portable 500 watt frequency domain I.P. system manufactured by Sabre Electronic Instruments of Burnaby, B.C. was used for the survey. The dipole-dipole array with an 'a' spacing of 30 metres and 'n' equal to 1 was selected. Frequencies of 0.3 and 10 hz were used for all readings. The I.P. data is presented on Figures 5b, 6b and 7b.

The I.P. survey was very effective in delineating areas of sulphide mineralization. The largest values (to 16.0 PFE) were located in the area of the east gold anomaly near L18 + 00 W. at 9 + 00 N. The anomalous zone covers an area of approximately 100 x 70 metres and is co-incident with a 9,000 gamma east-west trending magnetic high. Drill results from this area indicated that the I.P. anomaly is caused by disseminated chalcopyrite and pyrite in diopside-garnet skarn surrounding a core consisting of massive magnetite.

Elsewhere, only weak I.P. responses were noted. One of these zones, with values to 7.5 PFE correlates with the auriferous and siliceous shear zone in the 1981 trench, 81-1 at L16W 12 + 10 N and extends some 120 metres northerly to L15W. Heavily pyritic metasilstone outcrops in the vicinity of 12 + 40N on L15W, would account for the observed I.P. high response.



### Magnetometer Survey

The magnetometer survey was very effective in delineating the two major magnetite skarn zones located at L18+25W 8+90N, and at L34W 9+50N, and a lesser zone at L23W 13+20N (Figures 5, 6 and 7, d). A Scintrex MP2 proton magnetometer was used for the survey.

Diamond drilling on the first zone indicates a steeply dipping body consisting of intermingled garnet and magnetite over a true width of ten metres. Indicated strike length of skarn is approximately eighty metres. Anomaly amplitude (Figure 5d) varies from a background of 58500 gammas to in excess of 69000 gammas on L18 + 25W. The combined drilling and magnetic information suggests that this zone contains in excess of 85000 tonnes of massive skarn material to a proven depth of thirty metres. Maximum values of .034 oz/ton Au and 8.40 oz/ton ag were obtained in the interval from 79 to 82 feet in DDH 83-1.

The second zone (Figures 5a and d) consists of massive magnetite-garnet skarn with a true width of four to five metres, dipping approximately 50° to the south. This zone is mapped on surface, for a strike length of 44 metres.

The magnetic response varies from a low of 52,400 gammas on the north to a high of over 74,000 gammas on the south over the down dip extension of the magnetite bearing zone. Drill results from DDH 83-6 and 7 have proven the magnetite bearing horizon to a depth of 32 metres, for a dip

length of over fifty metres. Maximum values of .046 oz/ton Au and 0.16 oz/ton Ag were noted in DDH 83-6 in the interval from 72.5 to 77 feet.

The disseminated to massive magnetite zones intersected by the drilling program would account for the observed magnitude and shape of the magnetic anomalies.

#### DRILL PROGRAM RESULTS

A total of 291 metres of NQ size diamond drilling in seven holes was completed. The drilling contractor was Drilcor Industries of Delta, B.C.

The complete geological logs and assay results are contained in Appendix II. In summary, all of the holes intersected wide zones of skarn type mineralization. The mineralization generally varies from epidote-rich to diopside-garnet-magnetite-rich skarn in the core area. Chalcopyrite, pyrite and specular hematite occur as disseminations and fracture filling throughout the skarned areas. Wide spread areas of soft friable talc-altered rocks occur adjacent to the skarn mineralization in the zone on L34W. Assay results are generally low - the highest values are summarized on the next page.

HOLE #	INTERVAL (feet)	oz/ton Au	oz/ton Ag	%Cu	% Zn
83-1	79 -82	4 } .034	58.40	3.27	0.84
	90.4-95	4.5 } .003	3.10	0.68	0.515%
	95 -102	8 } .001	0.80	0.26	0.12
83-2	88 -92	5 (1.524m)	0.343	0.72	24.68
83-3	21 -31	.036	0.24	0.34	
	50 -55	.094	0.46	1.72	
	55 -60	.106	0.46	1.00	
83-5	49 -55	.030	0.12	0.14	
	55 -63	.032	0.16	0.29	
	63 -64.5	.020	0.12	0.11	
83-6	72.5-77	.038	0.16	0.17	

The weighted average values in 83-3 for the interval from 21 to 60 feet are .043 oz/ton Au, 0.229 oz/ton Ag and 0.47% Cu.

Donald G. Allen

D. Ma. Cu

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CERTIFICATE

I, Douglas R. MacQuarrie, of the City of Surrey in the Province of British Columbia, do hereby certify that:

1. I am a Consulting Geophysicist of A & M Exploration Ltd., with offices at #214 - 850 West Hastings Street, Vancouver, B.C.
2. I am a graduate of the University of British Columbia with a degree in Geology and Geophysics (B.Sc., 1975)
3. I have been practising my profession since 1975 and have been active in the mining industry since 1971.
4. I am an active member of the Canadian Institute of Mining and Metallurgy and a member of the British Columbia Geophysical Society.
5. This report is based on fieldwork carried out under my direct supervision and on information listed under References.
6. I am a director of Asitka Resource Corporation and therefore hold an interest in the claims.
7. I consent to the use of this report in a Statement of Material Facts or in a Prospectus in connection with the raising of funds for the project covered by this report.

August 20, 1984  
Vancouver, B. C.




Douglas R. MacQuarrie  
(B. C.)

CERTIFICATE

I, Donald G. Allen, certify that:

1. I am a Consulting Geological Engineer, of A & M Exploration Ltd., with offices at #214 - 850 West Hastings Street, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia with degrees in Geological Engineering (B.A.Sc., 1964; M.A.Sc., 1966).
3. I have practised my profession of exploration geologist since 1964 to present in British Columbia, the Yukon, Alaska and various parts of the Western United States.
4. I am a member in good standing of the Association of Professional Engineers of British Columbia.
5. This report is based on fieldwork carried out by D. MacQuarrie and in information listed under References.
6. I consent to the use of this report in a Statement of Material Facts or in a Prospectus in connection with the raising of funds for the project covered by this report.

August 20, 1984  
Vancouver, B. C.

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

AFFIDAVIT OF EXPENSES

This will certify that the work program covered by this report was carried out from July 23, 1983 to August 20, 1984, to the value of the following:

Induced Polarization Survey		
15 1/km @ \$900/km (all Incl.)		\$13,500.00
Magnetometer Survey		
7.0 1/km @ \$75/km		525.00
Geological Mapping, D.R. MacQuarrie		
3 days @ \$175/day		525.00
Soil Sampling and Rock Sampling		
S. Travis, G. Rae		
6 man days @ \$77.50/day		465.00
<u>Mobilization and Demobilization</u>		
Northern Mountain Helicopter	\$3,460.45	
4X4 Vehicles	1,194.38	
Crew wages, 16 man days @ \$90/day	1,440.00	
	<hr/>	
	\$6,094.83	\$ 6,094.83
Room and Board, Camp Supplies		851.75
Field Supplies, Consummables		616.16
Assaying, Rossbacher Laboratory	\$1,572.95	
and Chemex Labs Ltd	87.50	
	<hr/>	
	\$1,660.45	\$ 1,660.45
<u>Report</u>		
D.R. MacQuarrie 8 days @ \$300/day	\$2,400.00	
Drafting, map reproduction	2,144.02	
Zerex, typing and compilation	172.00	
	<hr/>	
	\$4,716.02	\$ 4,716.02
<u>Diamond Drilling</u>		
Drilcor Industries Ltd.		
total cost for 956 feet of NQ size		\$30,343.56
(all up cost 31.74/ft)		<hr/>
	GRAND TOTAL	\$59,297.77



APPENDIX I  
GEOCHEMICAL ASSAY RESULTS





# Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,  
BURNABY, B. C.  
CANADA  
TELEPHONE: 299-6910  
AREA CODE: 604

## CERTIFICATE OF ANALYSIS

TO: A & M EXPLORATION LTD.  
214-850 W. Hastings St.  
Vancouver, B.C.

CERTIFICATE NO. 83511

INVOICE NO. 4032

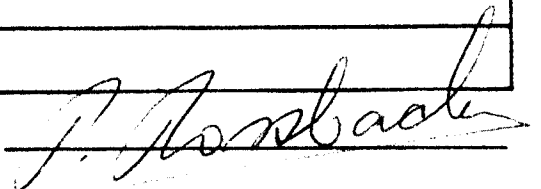
DATE RECEIVED

DATE ANALYSED Nov 10, 1983

ATTN: 83-163

SAMPLE NO.:	oz/T Au	oz/T Ag
163-2-79-83	0.001	0.08
163-2-83-88	0.001	0.12
163-2-88-92	0.010	0.72
163-3-0-21	0.003	0.08
163-3-21-31	0.036	0.24
163-3-31-41	0.016	0.06
163-3-41-50	0.016	0.06
163-3-50-55	0.094	0.46
163-3-55-60	0.106	0.46
163-3-60-65	0.005	0.10
163-3-65-74	0.016	0.12
163-5-0-20	0.002	0.04
163-5-20-28.5	0.001	0.06
163-5-28.5-33	0.001	0.06
163-5-33-43	0.002	0.04
163-5-43-49	0.001	0.04
163-5-49-55	0.030	0.12
163-5-55-63	0.032	0.16
163-5-63-64.5	0.020	0.12
163-5-64.5-71	0.004	0.08
163-6-0-17	0.001	0.06
163-6-17-27	0.001	0.04
163-6-27-35.5	0.001	0.04
163-6-35.5-47	0.001	0.04
163-6-47-57	0.001	0.04
163-6-57-66	0.001	0.04
163-6-66-72.5	0.014	0.10
163-6-72.5-77	0.030	0.16
163-6-77-86	0.005	0.04
163-6-86-96	0.007	0.04
163-6-96-107	0.004	0.10
163-6-107-111	0.002	0.04
163-7-95-103	0.001	0.06
163-7-103-108.5	0.015	0.12
163-7-108.5-118	0.001	0.10
163-7-118-128	0.001	0.04
163-7-18-25	0.001	0.04
163-7-25-33.5	0.001	0.04
163-7-33.5-43	0.001	0.04
163-7-43-53	0.001	0.04

Certified by







R

# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ASSAY

TO : ROSSBACHER LABORATORY LIMITED

2225 SOUTH SPRINGER AVENUE  
BURNABY, B.C.  
V5B 3N1

CERT. # : A8316672-001-A

INVOICE # : I8316672

DATE : 12-DEC-83

P.O. # : NONE

A+M EXPL. PROJECT 163

Sample description	Prep code	TiO2 %	Au FA oz/T				
163-1 79'-82'	214	0.02	0.036	--	--	--	--
163-2 88'-92'	214	0.02	0.014	--	--	--	--
163-6 72.5'-77'	214	0.12	0.046	--	--	--	--
163-7 103'-108.5	214	0.08	0.020	--	--	--	--
163-7 108.5'-118	214	0.49	0.003	--	--	--	--

.....  
Registered Assayer, Province of British Columbia



MEMBER  
CANADIAN TESTING  
ASSOCIATION

# Kossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

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

## CERTIFICATE OF ANALYSIS

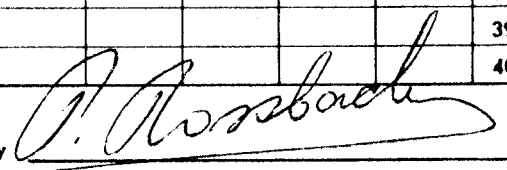
TO:

**A & M EXPLORATION LTD.**

CERTIFICATE NO. 83511-1  
INVOICE NO. 4032  
DATE ANALYSED 83/10/26  
PROJECT 163

No.	Sample	pH	Mo	Cu	Zn						No.
01	163-2-79-83			32	54						01
02	83-88			840	62						02
03	88-92			8600	294						03
04	163-3-0-21			500	82						04
05	21-31			3420	130						05
06	31-41			620	48						06
07	41-50			820	48						07
08	50-55			17200	200						08
09	55-60			10000	116						09
10	60-65			334	60						10
11	65-74			1700	134						11
12	163-5-0-20			106	50						12
13	20-28.5			220	64						13
14	28.5-33			288	98						14
15	33-43			358	212						15
16	43-49			128	88						16
17	49-55			1380	90						17
18	55-63			2940	86						18
19	63-64.5			1080	142						19
20	STD B			130	132						20
21	64.5-71			540	42						21
22	163-6-0-17			162	500						22
23	17-27			20	476						23
24	27-35.5			84	248						24
25	35.5-47			20	84						25
26	47-57			22	172						26
27	57-66			12	138						27
28	66-72.5			40	580						28
29	72.5-77			1680	392						29
30	77-86			10	66						30
31	86-96			20	64						31
32	96-107			640	600						32
33	107-111			66	414						33
34	163-7-95-103			16	188						34
35	103-108.5			76	188						35
36	108.5-118			960	294						36
37	118-128			256	76						37
38	163-7-18-25			156	194						38
39	25-33.5			44	196						39
40	33.5-43			28	176						40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by 

# Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

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

## CERTIFICATE OF ANALYSIS

A & M EXPLORATION LTD.

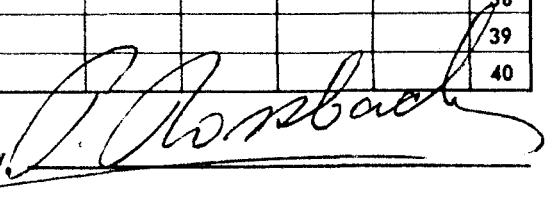
CERTIFICATE NO. 83511-2  
INVOICE NO. 4032  
DATE ANALYSED 83/10/26  
PROJECT 163

TO:

No.	Sample	pH	Mo	Cu	Zn							No.
01	163-7-K3-53			8	280							01
02	53-63			6	210							02
03	63-73			8	146							03
04	73-81			22	150							04
05	81-89			104	278							05
06	89-95			28	200							06
07	STD B			134	144							07
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09												09
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11												11
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VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by



# Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,  
BURNABY, B. C.  
CANADA  
TELEPHONE: 299-6910  
AREA CODE: 604

## CERTIFICATE OF ANALYSIS

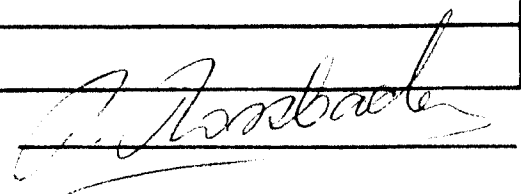
TO: A & M EXPLORATION LTD.  
214-850 W. Hastings St.  
Vancouver, B.C.

CERTIFICATE NO. 83323 A  
INVOICE NO. 3219  
DATE RECEIVED  
DATE ANALYSED Aug 22, 1983

ATTN: # 163

SAMPLE NO.:	oz/T	
	Au	Ag
163 MT 3	0.008	0.12
163 MT 4	0.001	0.12
163 MT 5	0.001	0.02
163 MT 6	0.001	0.02
163 MT 7	0.038	0.48
163 MT 8	0.001	0.02
163 MT 9	0.007	0.02
163 MT 10	0.004	0.02
163 MT 11	0.001	0.02
163 MT 12	0.004	0.02
163 MT 13	0.001	0.02
163 MT 14	0.001	0.04
163 MT 16	0.001	0.02
163 MT 17	0.001	0.02
163 MT 18	0.001	0.02
163 MT 19	0.003	0.22
163 MT 20	0.001	0.02
163 MT 21	0.001	0.04
163 MT 22	0.010	0.32
163 MT 23	0.007	0.30
163 MT 24	0.001	0.02
163 MT 25	0.001	0.08
163 MT 26	0.008	0.18
163 MT 27	0.001	0.02
163 MT 28	0.001	0.02
163 MT 29	0.001	0.06
163 MT 30	0.001	0.06
163 MT 31	0.001	0.02
163 MT 32	0.001	0.10
163 MT 33	0.001	0.12
163 MT 34	0.001	0.02
163 MT 35	0.006	0.08
163 MT 36	0.001	0.02
163 MT 37	0.022	0.30
163 MT 38	0.001	0.02
163 MT 39	0.001	0.02
163 MT 41	0.002	0.02
163 MT 42	0.002	0.14
163 MT 43	0.001	0.02
163 MT 44	0.114	0.46

Certified by







# Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

## CERTIFICATE OF ANALYSIS

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

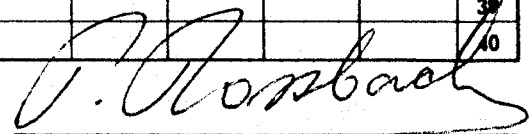
BURNABY, B. C.  
CANADA  
TELEPHONE: 299-6910

CERTIFICATE NO. **83370**  
INVOICE NO. **3266**  
DATE ANALYSED **83/08/29**  
PROJECT **163**

No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	PPB Au					No.
01	L16+50 9+25N			116	0.6	690	38	10					01
02	L17+00W 9+25N			90	0.2	140	8	10					02
03	L17+75W 8+55N			3,000	4.0	1480	26	160					03
04	L17+75W 8+80N			770	1.2	1860	22	10					04
05	L17+75W 9+15N			32	0.6	760	24	10					05
06	L18+00N 8+50N			520	0.6	282	14	40					06
07	L18+00W 8+75N			178	0.4	456	8	10					07
08	L18+00W 8+95N			82	0.2	106	12	10					08
09	L18+00W 9+30N			16	0.2	146	8	10					09
10	L18+10W 8+75N			66	1.0	450	22	10					10
11	L18+25W 8+60N			92	0.4	340	8	10					11
12	L18+25W 8+89N			2600	1.8	2600	24	10					12
13	L18+25W 9+18N			18	0.4	98	6	10					13
14	L18+50W 9+10N			46	0.4	50	7	10					14
15	L32+00 7+75N			122	1.0	82	6	10					15
16	L32+00 7+90W			146	0.4	58	8	10					16
17													17
18													18
19													19
20													20
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VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by



# Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

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

## CERTIFICATE OF ANALYSIS

**A & M EXPLORATION LTD.**

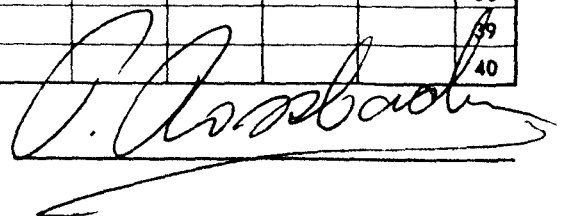
TO: 4570 HOSKINS ROAD  
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **83410**  
INVOICE NO. **3263**  
DATE ANALYSED **SEPT 27, 1982**  
PROJECT **163**

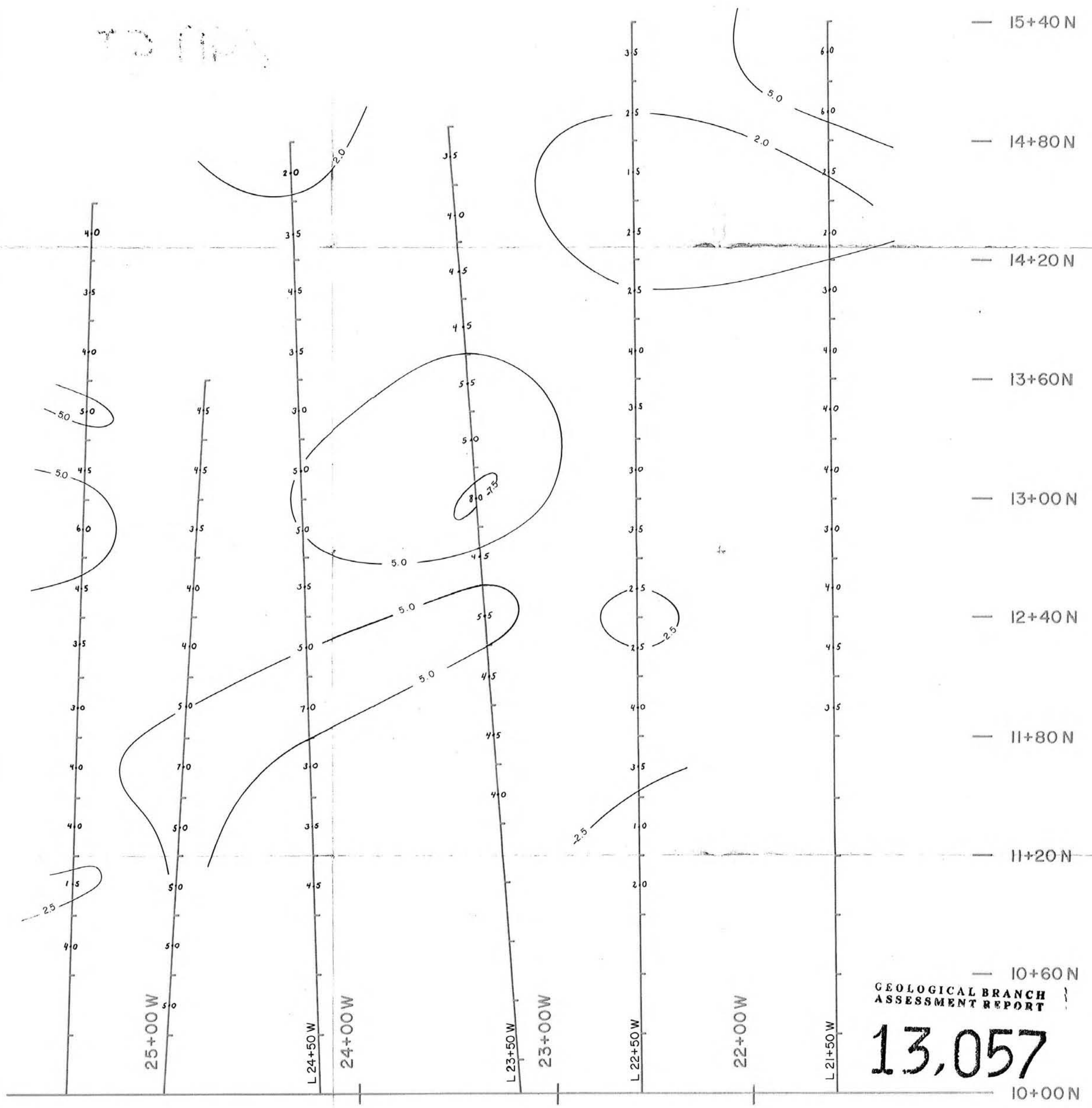
No.	Sample	pH	Mo	Cu	Ag	Zn	Pb	PPB Au	W				No.
01	83-163-MT50		2	970	3.4	106	24	10	1				01
02	ML51		3	58	0.2	58	4	10	1				02
03	MT52		2	48	1.6	50	10	160	1				03
04	MT53		1	30	0.2	30	6	10	1				04
05	MT54		2	18	1.6	44	12	170	1				05
06	MT55												06
07	MT56		1	64	0.4	54	2	10	1				07
08	83-163-ML57		5	370	1.4	134	16	10	1				08
09	ML58		1	76	0.4	120	24	10	1				09
10	MT59		1	8	0.8	16	14	10	1				10
11	ML60		1	68	0.2	120	6	10	1				11
12	MT61		1	96	1.4	146	108	10	1				12
13	ML62		4	34	0.6	148	12	10	1				13
14	MT63		1	22	0.4	66	8	10	1				14
15	MT64		6	5,800	3.4	35000	2530	20	30				15
16	ML65		1	56	0.6	114	4	10	1				16
17	83163-MT66		1	36	0.2	186	20	10	1				17
18													18
19	83163 ML 59		1	76	0.2	134	20	10	1				19
20													20
21													21
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40													40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by



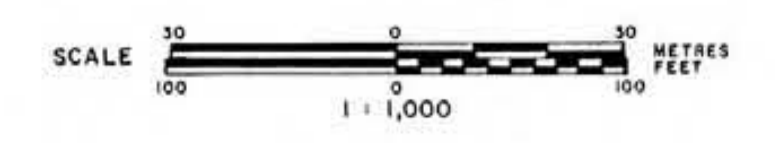
APPENDIX II  
DIAMOND DRILL HOLE - LOGS AND ASSAYS



Values plotted measured in Percent Frequency Effect.  
 Contour interval: 2.5 %  
 Instrument: Sabre Frequency Domain equipment, dipole-dipole array, a=30m n=1.  
 Frequency: 0.3 and 10 Hz.

ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINICA MINING DIVISION - BRITISH COLUMBIA

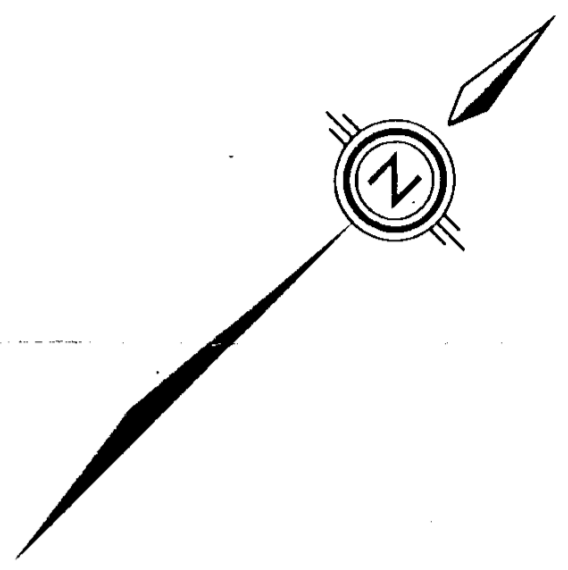
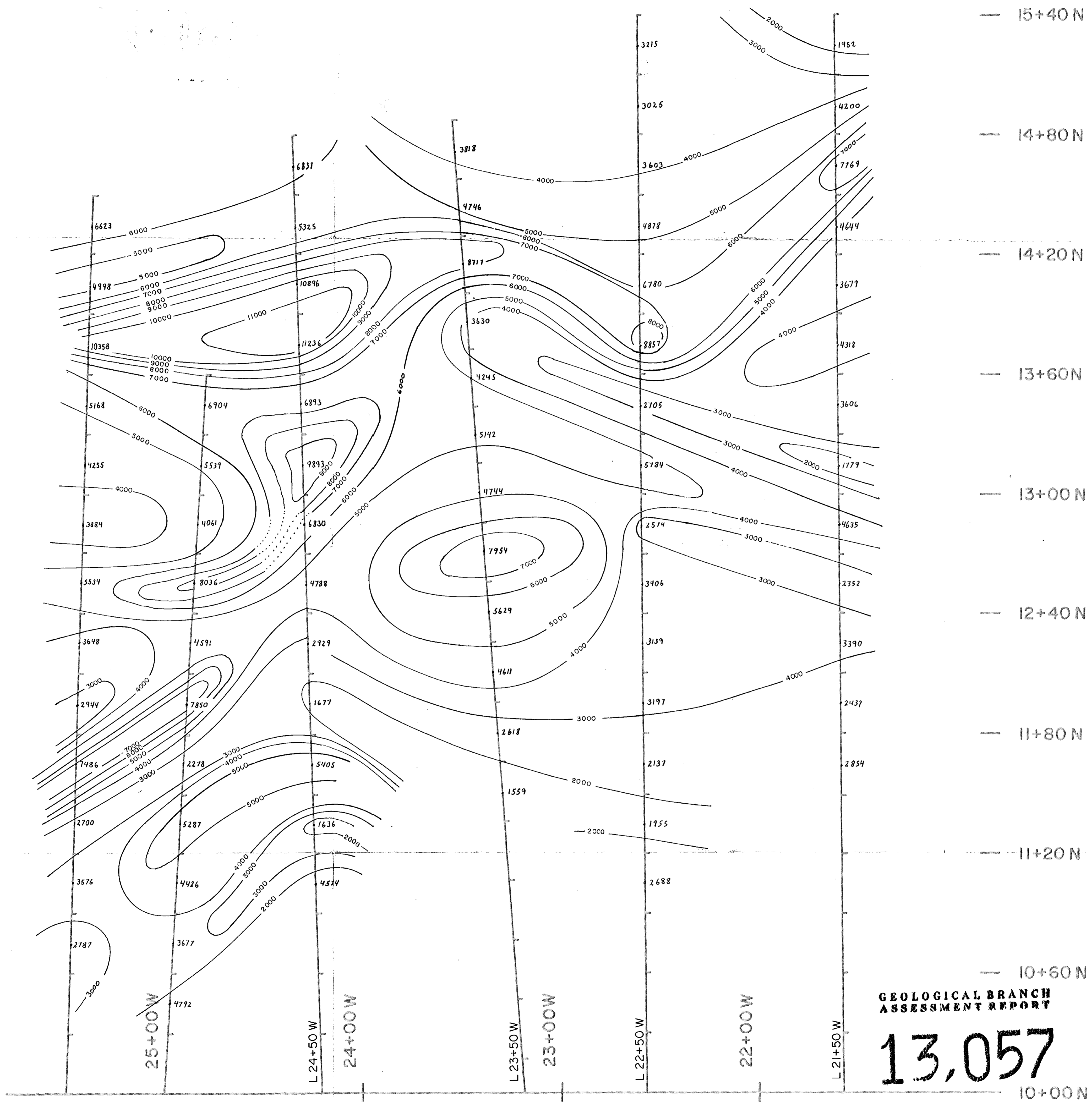
**INDUCED POLARIZATION  
 NORTH SKARN ZONE**



GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

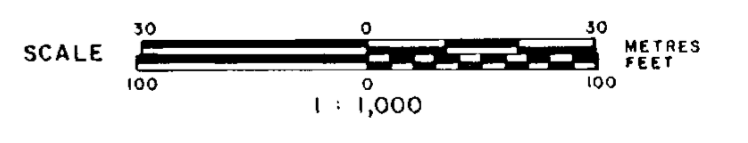
**13,057**

*Donald P. Allen*  
 April, 1984



Contour interval: 1000 ohm metres  
 Instrument: Sabre Frequency Domain equipment, dipole-dipole array,  $a=30m$   $n=1$ .  
 Frequency: 0.3 and 10 Hz.

ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINECA MINING DIVISION - BRITISH COLUMBIA  
**APPARENT RESISTIVITY  
 NORTH SKARN ZONE**

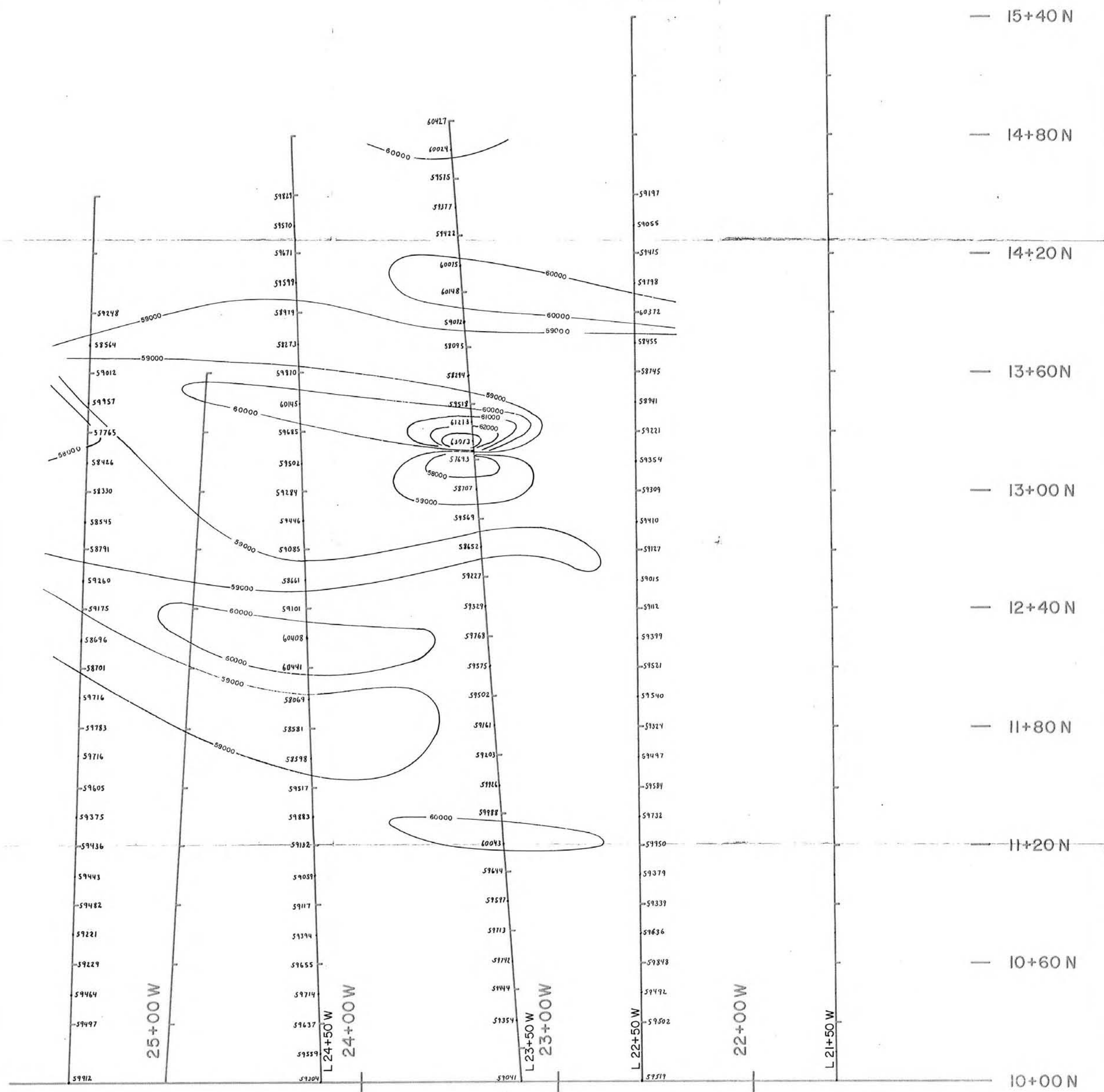


**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

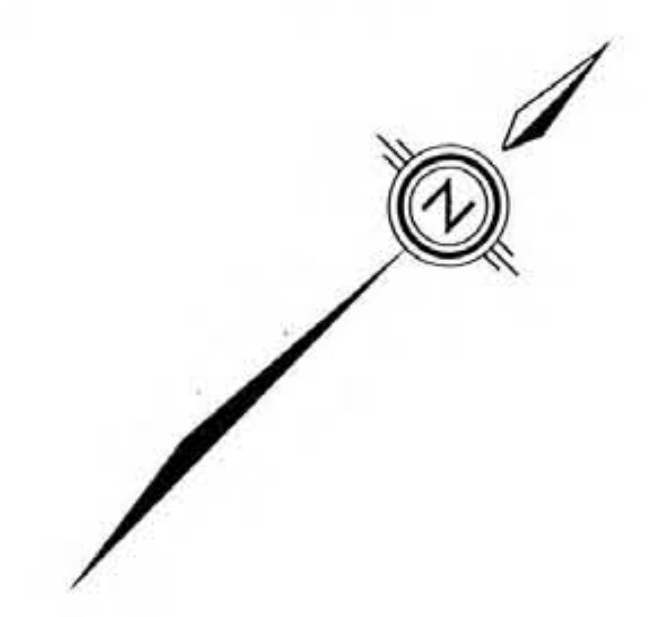
**13,057**

*Donald G. Allen*  
 April, 1984

13057



- 15+40 N
- 14+80 N
- 14+20 N
- 13+60 N
- 13+00 N
- 12+40 N
- 11+80 N
- 11+20 N
- 10+60 N
- 10+00 N



Values plotted measured in gammas.  
 Contour interval: 1000 gammas.  
 Instrument: Scintrex MP-2 Magnetometer.

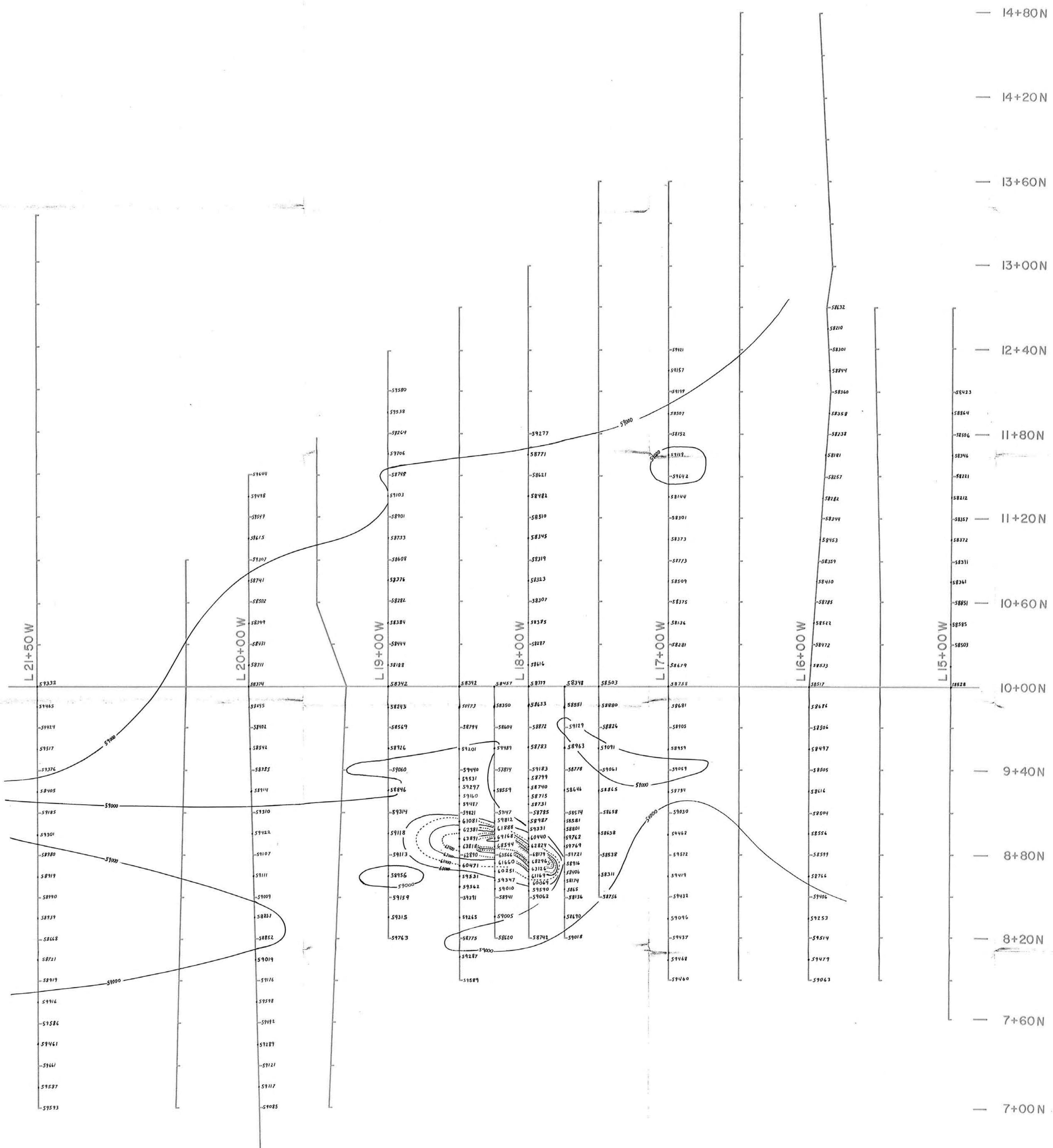
ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINECA MINING DIVISION - BRITISH COLUMBIA

**ISO-MAGNETIC CONTOURS  
 NORTH SKARN ZONE**

SCALE 1:1,000  
 0 30 100 METRES

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

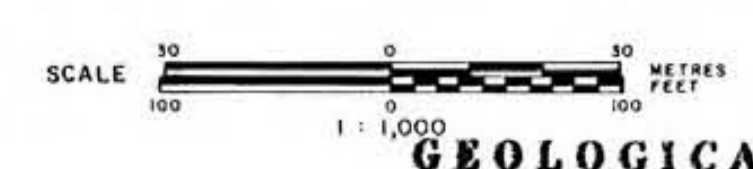
Donald S. Allen **13,057**  
 April, 1984 Figure 6d



Values plotted measured in gammas.  
 Contour interval: 1000 gammas  
 Instrument: Scintrex MP-2 Magnetometer.

ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMECEA MINING DIVISION - BRITISH COLUMBIA

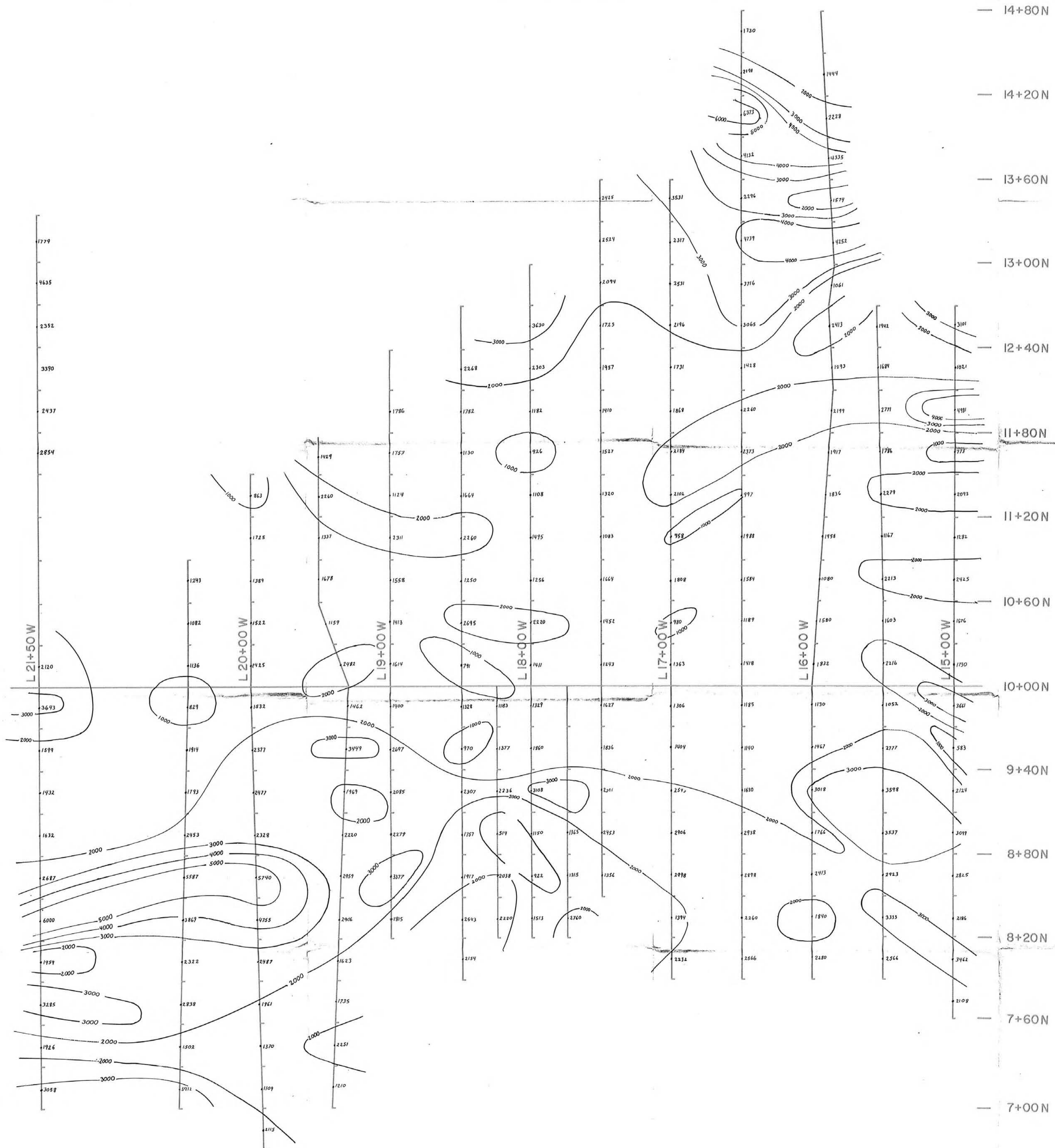
**ISO-MAGNETIC CONTOURS  
 EAST GOLD ANOMALY**



**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

*Donald S. Allen*  
 April, 1984

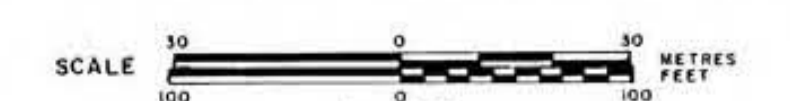
**13,057**  
 Figure 7d



Contour interval: 1000 ohm metres  
 Instrument: Sabre Frequency Domain equipment, dipole-dipole array, a=30m. n=1.  
 Frequency: 0.3 and 10hz.

ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINECA MINING DIVISION - BRITISH COLUMBIA

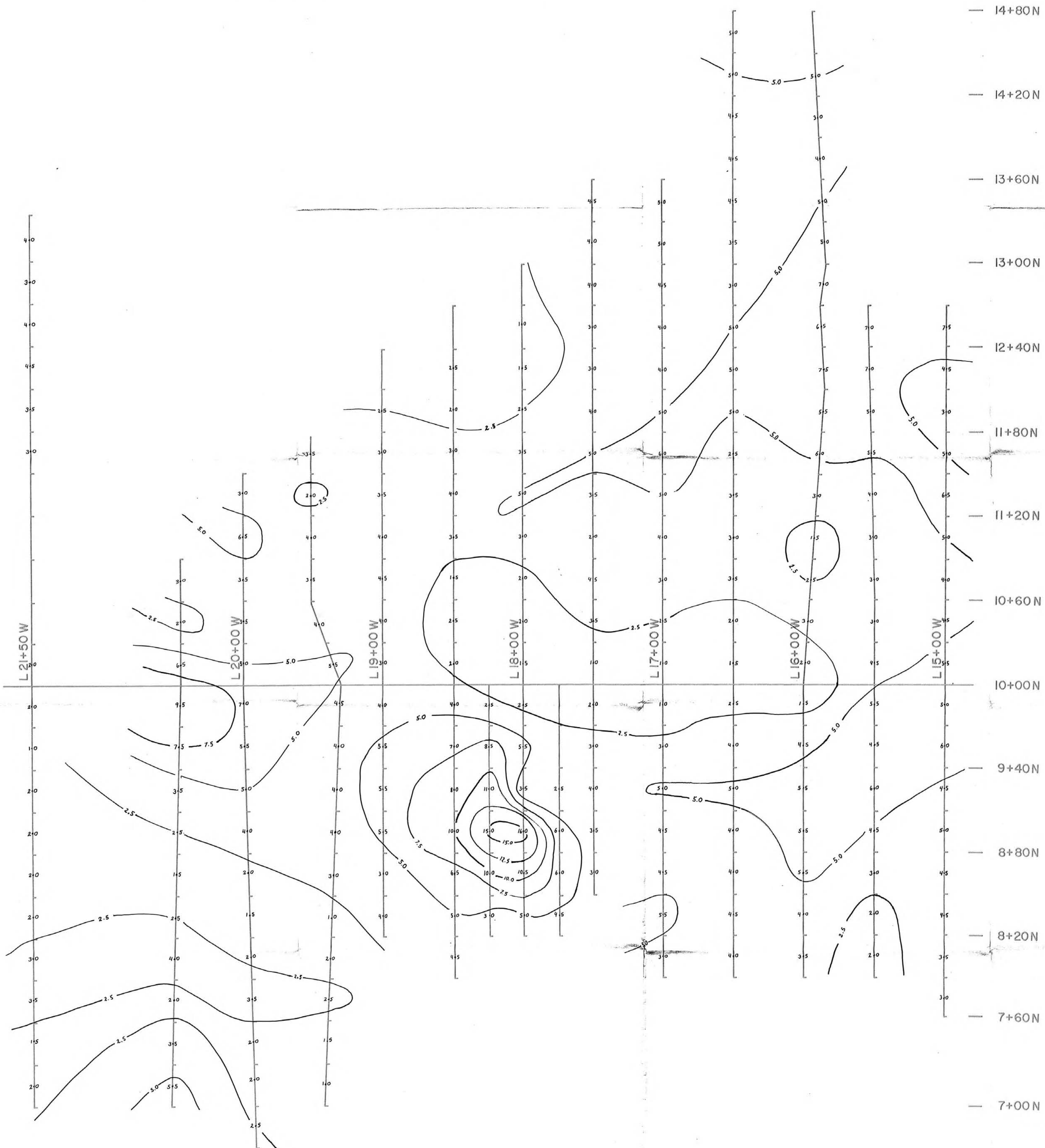
**APPARENT RESISTIVITY  
 EAST GOLD ANOMALY**



**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

Donald B. Allen **13,057**  
 April, 1984 Figure 7c





Values plotted measured in Percent Frequency Effect.  
 Contour interval: 2.5%  
 Instrument: Sabre Frequency Domain equipment, dipole-dipole array, a=50m n=1.  
 Frequency: 0.3 and 10Hz.

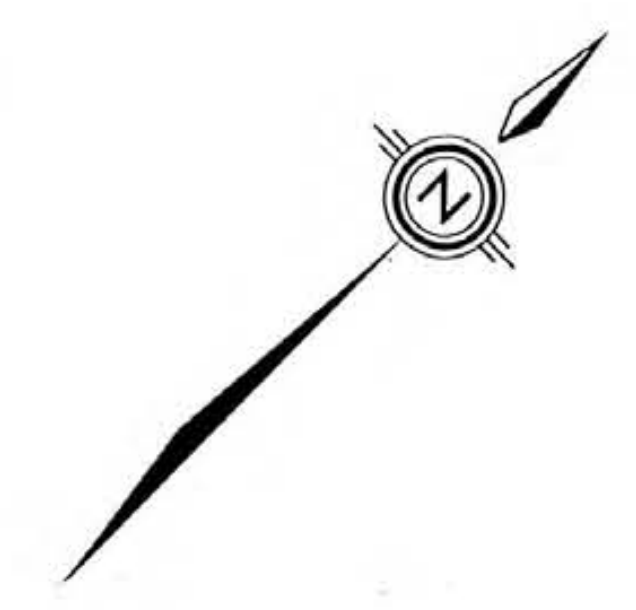
ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINCA MINING DIVISION - BRITISH COLUMBIA

**INDUCED POLARIZATION  
 EAST GOLD ANOMALY**

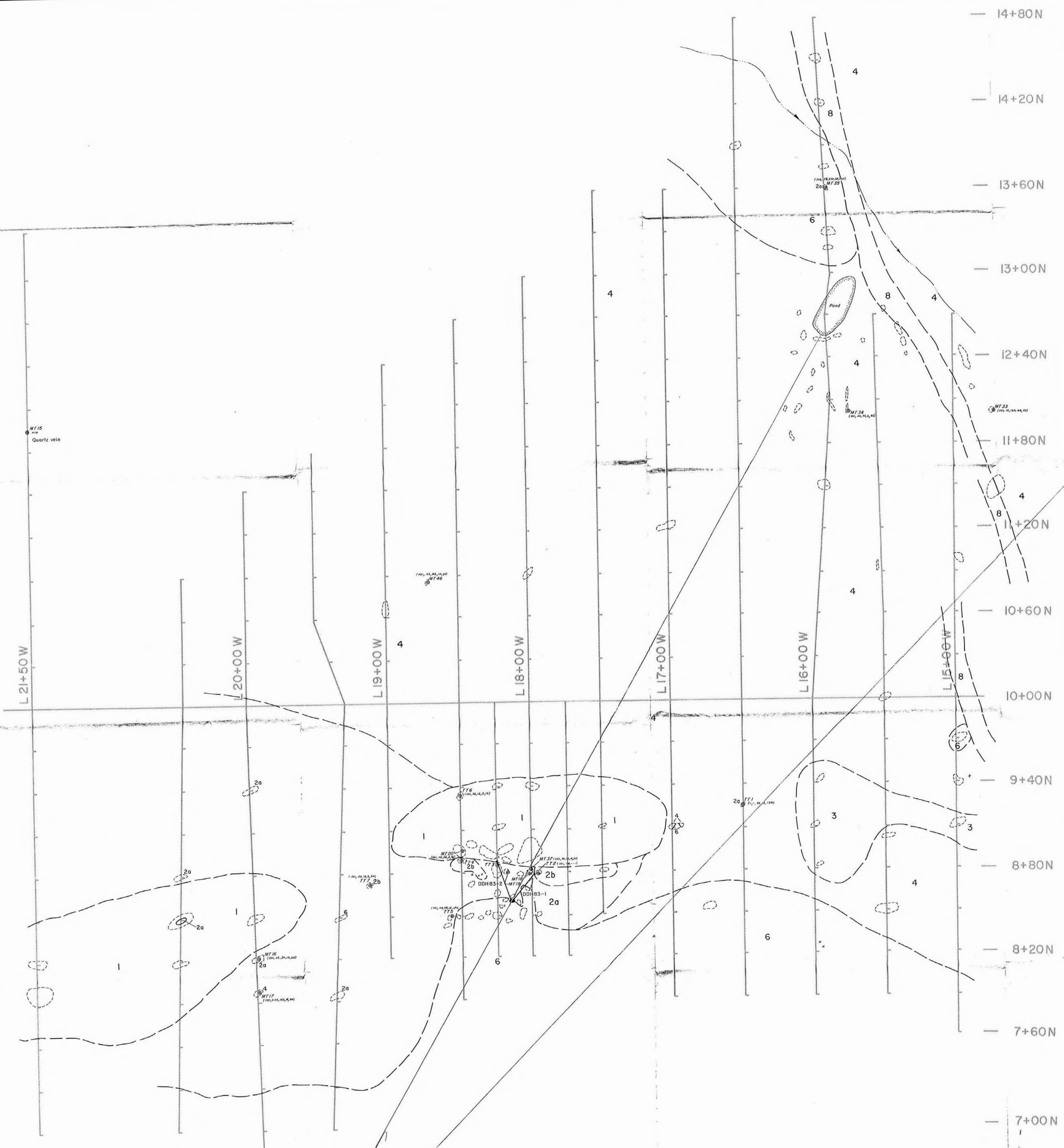
SCALE 1:1000 METERS / 1000 FEET

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

Donald & Associates  
**13,057**  
 April, 1984



TO 0145



- LEGEND**
- Grid line, line number.
  - Creek
  - Outcrop boundary, float.
  - Geological contact: observed, inferred
  - Fault
  - Bedding
  - Foliation
- LOWER TO MID JURASSIC INTRUSIVE ROCKS**
- 8 Porphyritic monzonite dikes
  - 7 Andesite and lamprophyre dikes
  - 6 Granodiorite, syenodiorite
- PERMIAN ASITKA GROUP**
- 5 Augite porphyry
  - 4 Melasiltstone
  - 3 Quartzite
  - 2 Skarn: 2b - garnet, magnetite; 2a - diopside, garnet, epidote, hematite.
  - 1 Marble
- Rock sample site, sample number. (See map, page 54, 55, 56)
  - DDH Collar

ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINECA MINING DIVISION - BRITISH COLUMBIA

**GEOLOGY & SAMPLE SITES  
 EAST GOLD ANOMALY**

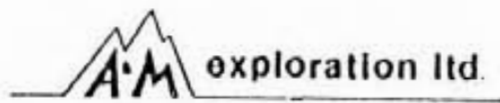
SCALE 1" = 100 FEET  
 GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

Small Ball **13,057**  
 April, 1984 Figure 7a





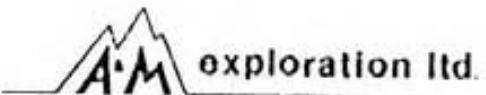
LOCATION: 18+16W 8+60N  
 AZIMUTH: 340°  
 DIP: -45°  
 STARTED:  
 COMPLETED:  
 PURPOSE:



HOLE NO 83-2  
 163-2  
 PROPERTY:  
 CLAIM NO:  
 DATE LOGGED:  
 SECTION:  
 LOGGED BY: D. MacQuarrie

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	oz/t Au	oz/t Ag	ppm Cu	ppm Zn	VEIN DIP TO AXIS
from	to			from	to						
		DDH 163-2									
0	14	Casing - green skarn.									
14	37	Green mottled skarn - some very hard siliceous sections - minor epidote - cross cutting calcite - pegmatite veinlets.									
37	50	Mottled green skarn with garnet, more intense skarning - m. py cpy, assoc. with cross cutting pegmatite stringer approx. 070° to axis.									
50	54	Granodiorite dyke - hanging wall contact approx. 070° as well as foot wall - pink alteration adjacent to qtz calcite - epidote stringers - 30% of the biotite in irregular patches, chlorite, sericite.									
54	77	Skarn varying from mottled green chlorite to mottled brown garnet skarn ± epidote with cross cutting qtz. - calcite pegmatite stringers - m. MoS <sub>2</sub> , fine py in cross cutting qtz. stringers.		62	69		.001	.14	.01oz/ton	.02oz/ton	
77	79	Skarn - very chloritic - soft and altered.									
79	80.5	Skarn - soft brown - altered garnets? grey marble fragments to 1cm.		79	83		.001	.08	32	54	
80.5	83	Skarn + red hematitic skarn - very soft with calcite inclusions.									
83	88	Green to brown skarn to 5% magnetite, m. specularite, qtz, sphal (yellow brown) and epidote, cpy to 1%.		83	88		.001	.12	840	62	

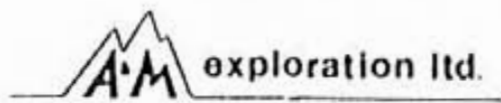
LOCATION: 18+16W 8+60N  
 AZIMUTH: 340°  
 DIP: -45°  
 STARTED:  
 COMPLETED:  
 PURPOSE:



HOLE No 83-2  
 163-2  
 PROPERTY:  
 CLAIM No:  
 DATE LOGGED:  
 SECTION:  
 LOGGED BY: D. MacQuarrie

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	oz/t Au	oz/t Ag	% Cu	% Zn	VEIN DIP TO AXIS
from	to			from	to						
88	92	Massive magnetite in green garnet skarn approx. 60% mag, 3% cpy, m. sphal. 5cm marble inclusions containing euhedral green garnet phenos - m. spec. hematite.		88	92		.010	.72	8600 ppm	294 ppm	
92	97	Massive garnet skarn - green to red in colour ± patches of massive magnetite, spec hematite to 2%, cpy, sphal.		88 92	92 97		.001	.58	.48	.15	
97	102	As above.		97	102		.001	.16	.08	.04	
102	107	As above.		102	107		.001	.20	.19	.01	
107	112	As above.		107	112		.001	.30	.24	.09	
112	133	As above, except larger inclusions of marble - m. spec hematite, cpy.		112 117 117	117 122 122		.001 .001 .001	.14 .10 .10	.03 .01 .01	.01 .01 .01	
133	137	Barren coarse marble. EOH		122 127	127 133		.001 .001	.08 .08	.01 .01	.01 .01	

LOCATION: 32+17W 7+30N



HOLE NO 83-3  
163-3

AZIMUTH: 302°

PROPERTY:

DIP: -45°      LENGTH: 136'      ELEVATION:      CLAIM NO:

STARTED:      CORE SIZE: NO      DATE LOGGED:      SECTION:

COMPLETED:      DIP TESTS:      LOGGED BY: D. MacQuarrie

PURPOSE:

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	oz/t Au	oz/t Ag	ppm Cu	ppm Zn	VEIN DIP TO AXIS
from	to			from	to						
		<u>DDH 163-3</u>									
0	21	Casing - broken core a total of 15.5' - skarn ± cross cutting pink calcite - pegmatite veinlets.		0	21		.003	.08	500	82	
21	31	Skarn - siliceous hard - with up to 20% epidote-qtz veins ± patches assoc. with pink feldspar veining py + cpy to 5% in fractures and assoc. with epidote qtz - brown (low grade) garnet to 40% of rock with chlorite ± mag to 2%.		21	31		.036	.24	3420	130	
31	37.5	K-feldspar - qtz - skarn zone - generally pink in colour. Myriad of cross cutting qtz stringers rounded blebs of epidote ± cpy, py, to 2 cm.		31	41		.016	.06	620	48	
37.5	42	G.B.S. - gneissic with rounded granite inclusions. Cross cutting qtz + chl, K-feldspar py - mag veinlets to 2 cm.									
42	50	Chl G.B.S. with cross cutting pink stringers - m. cpy, py. Some qtz stringers have been folded into tight recumbent folds.		41	50		.016	.06	820	48	
50	60	Skarn - purple to green varying from siliceous to soft, calcite rich, cpy to 3 cm across - totalling to 3% assoc. with epidote, py cubes, with m. black sphal, mag, red garnet as fracture fillings - large to 1 cm euhedral chlorite (cubic?) after py?? chlorite to 15% of rock.		50	55		.094	.46	17200	200	
				55	60		.106	.46	10000	116	

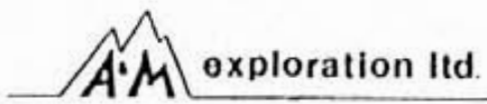










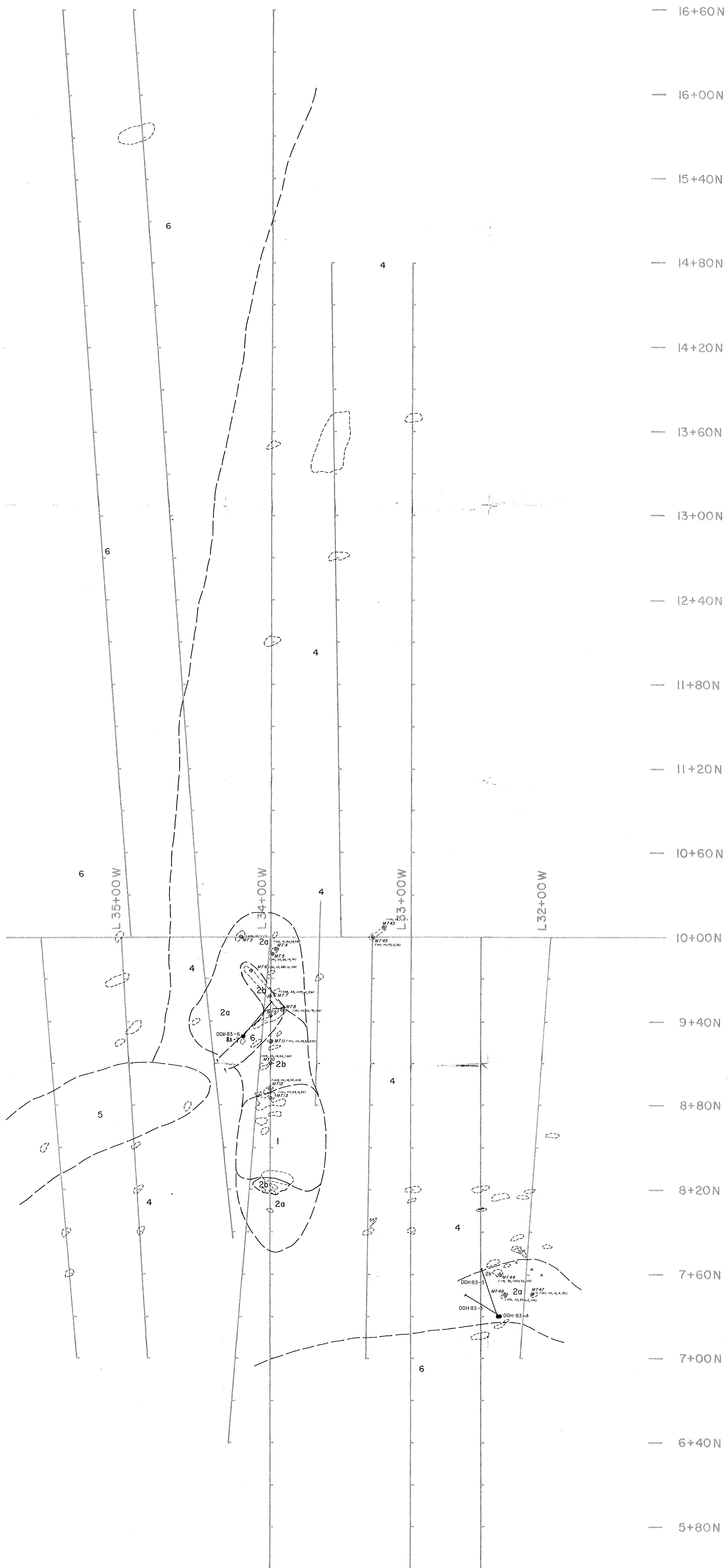


LOCATION: 34+21W 9+30N  
 AZIMUTH: 040°  
 DIP: -45°  
 LENGTH: 147'  
 ELEVATION:  
 STARTED:  
 CORE SIZE: NQ  
 DATE LOGGED:  
 SECTION:  
 COMPLETED:  
 DIP TESTS:  
 LOGGED BY: D. MacQuarrie  
 PURPOSE:

HOLE NO 83-6  
 163-6  
 PROPERTY:  
 CLAIM NO:  
 LOGGED BY: D. MacQuarrie

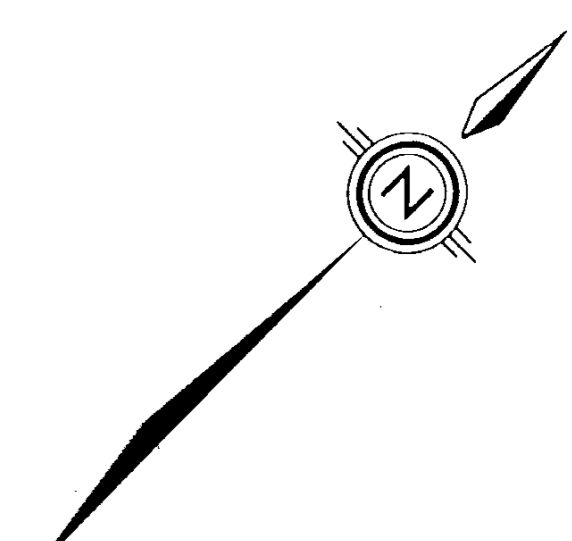
FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	oz/t Au	oz/t Ag	ppm Cu	ppm Zn	VEIN DIP TO AXIS
from	to			from	to						
		DDH 163-6									
0	17	Broken rock, soft chlorite skarn, altered G.D. with m. py dissem. and on fractures.		0	17		.001	.06	162	500	
17	27	Soft chlorite sericite (?) skarn. after G.D.?? - very minor py, epidote to 2%. Some siliceous sections of G.D. altered to skarn - radiating phenos of spec hematite to 1cm - assoc. with calcite inclusions and veinlets.		17	27		.001	.04	20	476	
27	35.5	Altered G.D. assoc. with m. py cut by 2-4 mm stringers of pink calcite. Subhedral rimmed felds phenos to 4x10mm in dark chlorite matrix - irregular contact on foot wall side.		27	35.5		.001	.04	84	248	
35.5	45	Chlorite - talc - skarn - with spec hem to 5%, epidote to 5%. Generally very soft and friable - m. cpy + py assoc. with calcite veinlets - altered rock after G.D.?		35.5	47		.001	.04	20	84	
45	49	F.g. siliceous skarn zone - with chlorite, calcite - garnet in veinlets to 5 mm wide.		47	57		.001	.04	22	172	
49	66	Soft talc, chlorite calcite, skarn. Minor siliceous sections, m. hem, m. py - rock is extremely incompetent from 55 to 66,		57	66		.001	.04	12	138	





— 16+60N  
 — 16+00N  
 — 15+40N  
 — 14+80N  
 — 14+20N  
 — 13+60N  
 — 13+00N  
 — 12+40N  
 — 11+80N  
 — 11+20N  
 — 10+60N  
 — 10+00N  
 — 9+40N  
 — 8+80N  
 — 8+20N  
 — 7+60N  
 — 7+00N  
 — 6+40N  
 — 5+80N

13,057



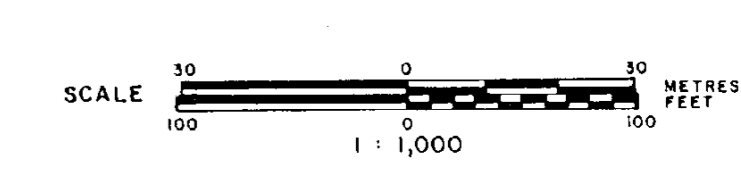
- LEGEND**
- Grid line, line number.
  - Creek
  - Outcrop boundary, float.
  - Geological contact: observed, inferred
  - Fault
  - Bedding
  - Foliation
- LOWER TO MID JURASSIC INTRUSIVE ROCKS**
- 8 Porphyritic monzonite dikes
  - 7 Andesite and lamprophyre dikes
  - 6 Granodiorite, syenodiorite
- PERMIAN ASITKA GROUP**
- 5 Augite porphyry
  - 4 Metasilstone
  - 3 Quartzite
  - 2 Skarn: 2b - garnet, magnetite; 2a - diopside, garnet, epidote, hematite.
  - 1 Marble
- Rock sample site, sample number (see map for location)
- DDH Collar

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

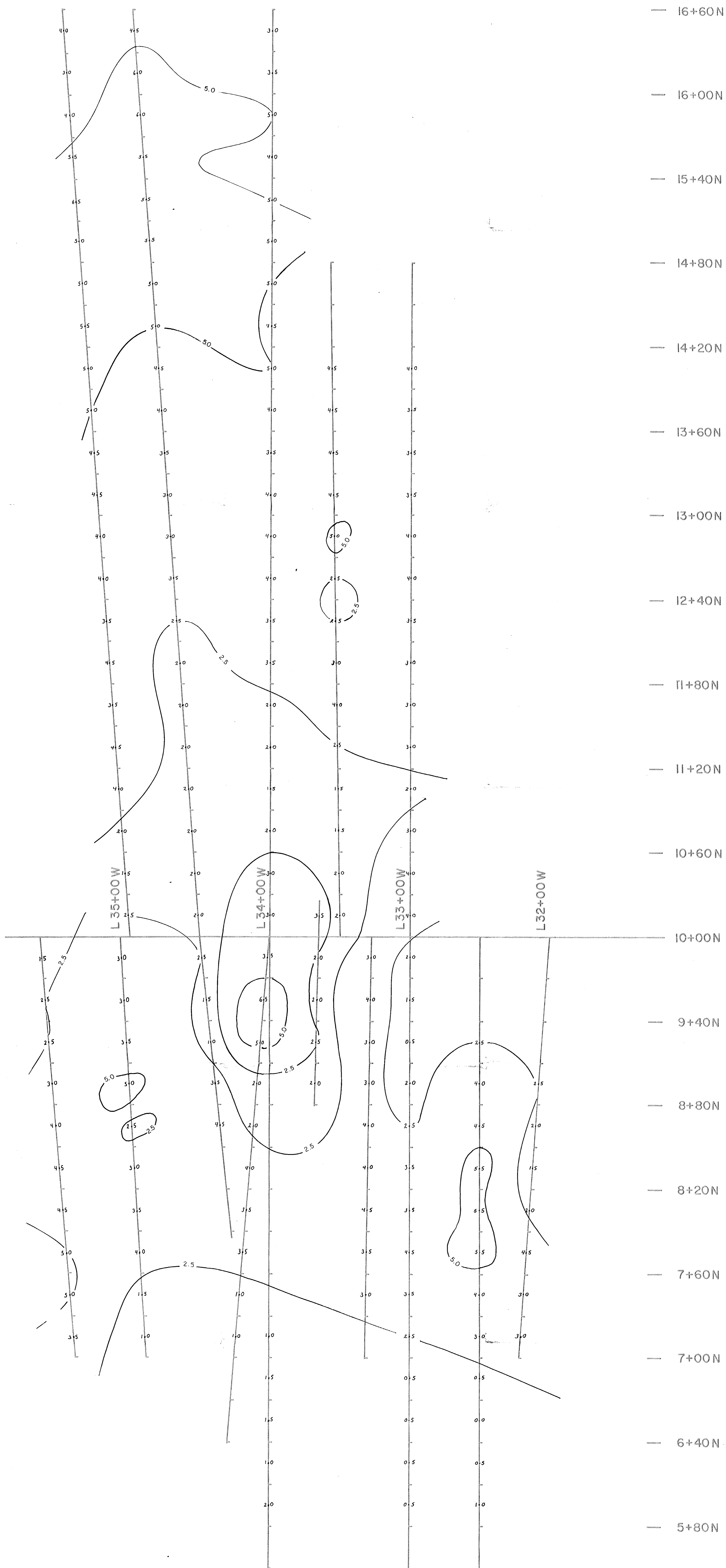
**13,057**

ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINCEA MINING DIVISION - BRITISH COLUMBIA

**GEOLOGY & SAMPLE SITES  
 WEST SKARN ZONE**



Donald A. Allen  
 April, 1984



Values plotted measured in Percent Frequency Effect.  
 Contour interval: 2.5%  
 Instrument: Sabre Frequency Domain equipment, dipole-dipole array,  $a=30m$   $n=1$ .  
 Frequency: 0.3 and 10Hz.

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

**13,057**

ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINICA MINING DIVISION - BRITISH COLUMBIA

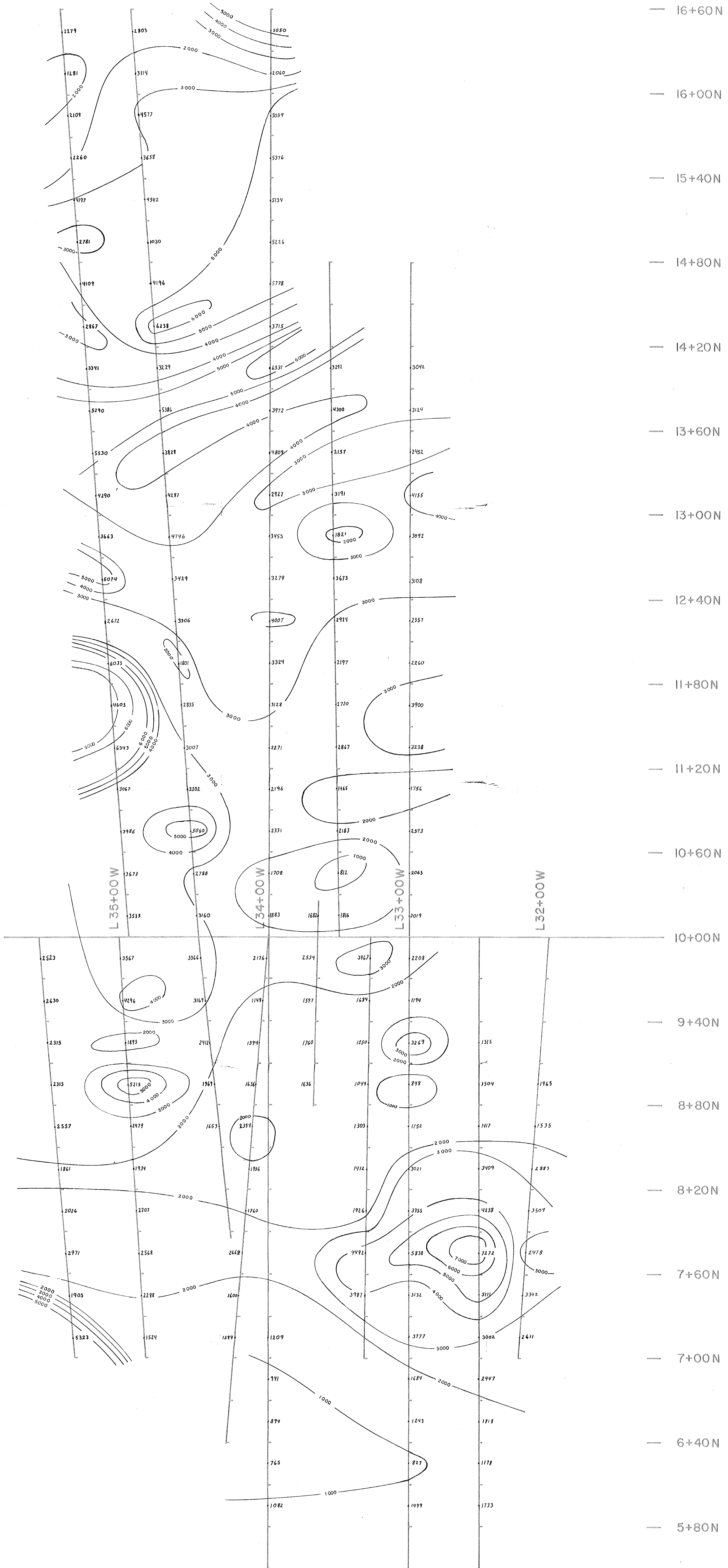
INDUCED POLARIZATION  
 WEST SKARN ZONE

SCALE 1 : 1,000

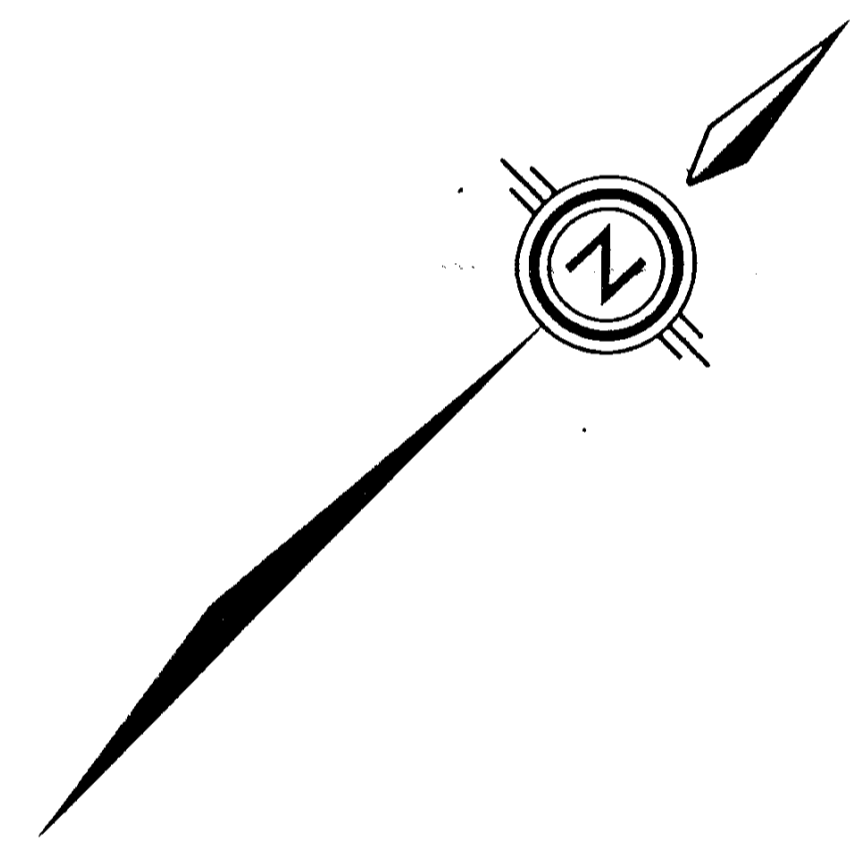
*Donald S. Allen*

April, 1984

Figure 5b

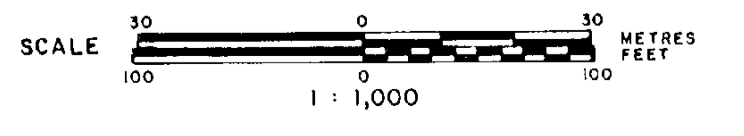


- 16+60N
- 16+00N
- 15+40N
- 14+80N
- 14+20N
- 13+60N
- 13+00N
- 12+40N
- 11+80N
- 11+20N
- 10+60N
- 10+00N
- 9+40N
- 8+80N
- 8+20N
- 7+60N
- 7+00N
- 6+40N
- 5+80N



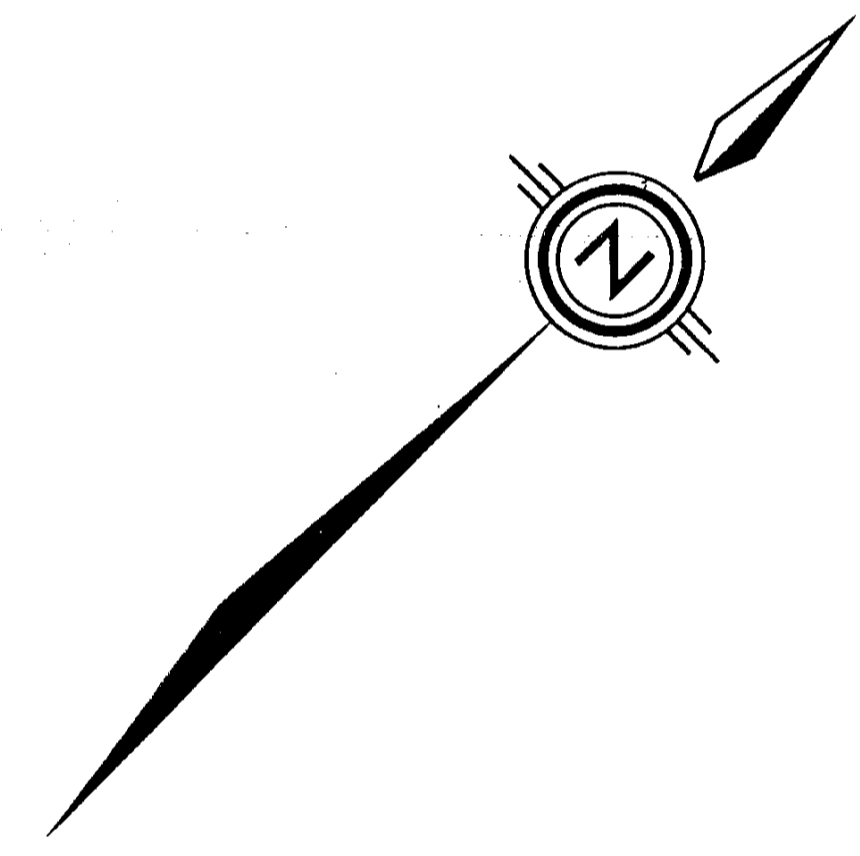
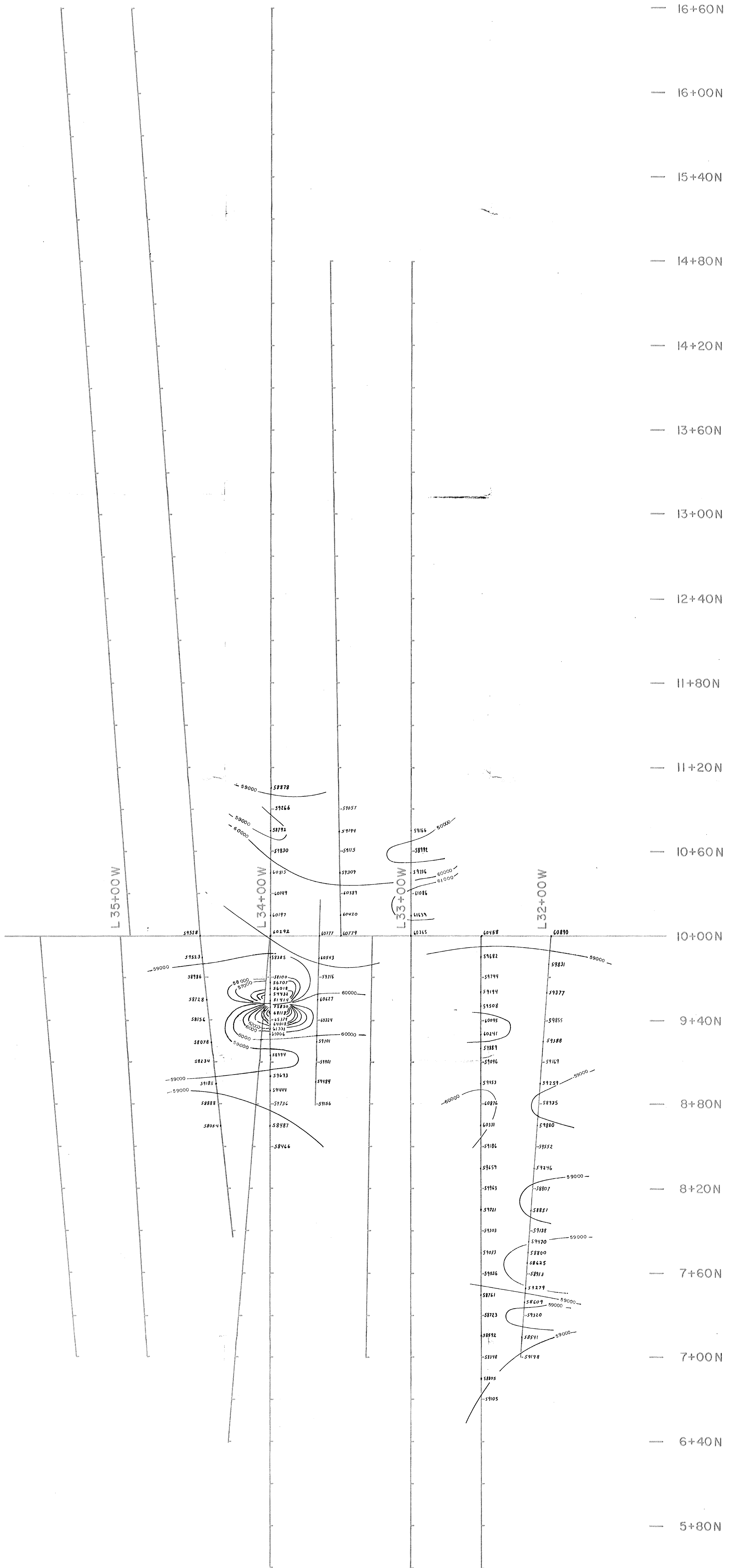
Contour interval: 1000 ohm metres  
 Instrument: Sabre Frequency Domain equipment, dipole-dipole array, a=30m. n=1.  
 Frequency: 0.3 and 10Hz.

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**  
**13,057**  
 ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINECA MINING DIVISION - BRITISH COLUMBIA  
**APPARENT RESISTIVITY  
 WEST SKARN ZONE**



*Donald G. Hall*  
 April, 1984





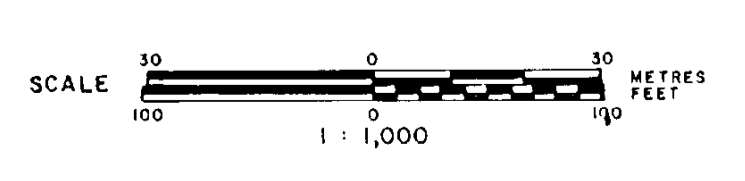
Values plotted measured in gammas.  
 Contour interval: 1000 gammas  
 Instrument: Scintrex MP-2 Magnetometer

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

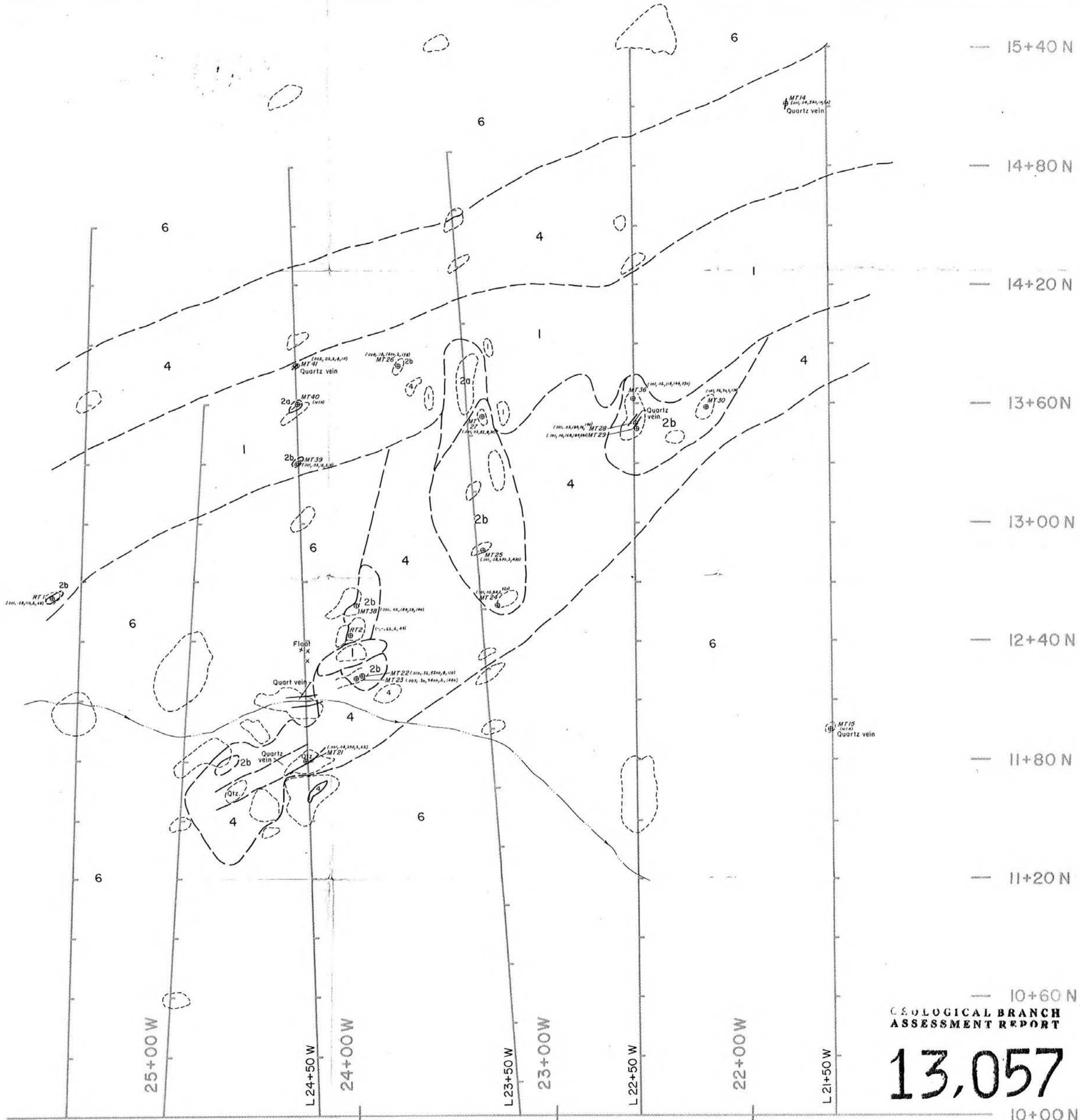
**13,057**

ASITKA RESOURCE CORPORATION  
 GRACE CLAIMS  
 OMINECA MINING DIVISION - BRITISH COLUMBIA

**ISO-MAGNETIC CONTOURS**  
**WEST SKARN ZONE**



*Donald S. Allen*  
 April, 1984



- LEGEND**
- Grid line, line number.
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  - ⊕ Geological contact: observed, inferred
  - Fault
  - Bedding
  - Foliation
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  - 2 Skarn: 2b - garnet, magnetite;  
2a - diopside, garnet, epidote, hematite.
  - 1 Marble
- ⊕ Rock sample site, sample number, (loc. from Au, Ag, Fe, Pb, Zn, ppm Cu, Pb, Zn.)

10+60 N  
10+40 N  
10+20 N  
10+00 N

15+40 N  
14+80 N  
14+20 N  
13+60 N  
13+00 N  
12+40 N  
11+80 N  
11+20 N

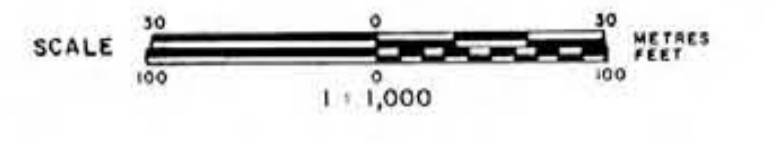
25+00 W  
L 24+50 W  
24+00 W  
L 23+50 W  
23+00 W  
L 22+50 W  
22+00 W  
L 21+50 W

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**13,057**

ASITKA RESOURCE CORPORATION  
GRACE CLAIMS  
OMINECA MINING DIVISION - BRITISH COLUMBIA

**GEOLOGY & SAMPLE SITES  
NORTH SKARN ZONE**



Donald S. All  
April, 1984

