

85-1087-14616  
11/86

GEOCHEMICAL AND GEOPHYSICAL REPORT  
ASCOT PROPERTY  
M.S CLAIM, ASCOT 1-9 CLAIMS  
DOME MOUNTAIN AREA  
SMITHERS, B.C. - OMINECA M.D.

Location

Mapsheet 93L 15E/W  
Lat: 54 47'N; Long 126 43' W;

For

GEOSTAR MINING CORPORATION  
Suite 900-850 West Hastings Street  
Vancouver, British Columbia  
V6C 1E1

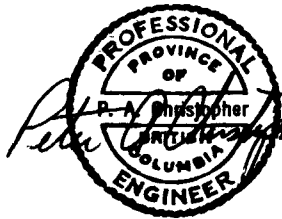
FILMED

By

Peter A. Christopher Ph.D., P.Eng.  
Peter Christopher & Associates Inc.  
3707 West 34th Avenue  
Vancouver, British Columbia

V6N 2K9

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**



14,616

January 8, 1986

TABLE OF CONTENTS

	PAGE
SUMMARY	1
INTRODUCTION	2
LOCATION AND ACCESS	2
PHYSIOGRAPHY, VEGETATION AND CLIMATE	2
CLAIMS	3
EXPLORATION HISTORY	3
WORK PROGRAM	4
REGIONAL GEOLOGY	5
MINERAL DEPOSITS IN THE AREA	5
GEOPHYSICAL SURVEY	6
GEOCHEMICAL SURVEY	7
DISCUSSION OF ASCOT PROPERTY	8
CONCLUSIONS AND RECOMMENDATIONS	8
BIBLIOGRAPHY	9
CERTIFICATE	11

LIST OF ILLUSTRATIONS

FIGURE 1: LOCATION MAP	
FIGURE 2: CLAIM MAP	
FIGURE 3: REGIONAL GEOLOGY	
PLATE 1A: SAMPLE LOCATIONS GRID I	(IN POCKET)
PLATE 1B: GEOCHEMICAL PLAN GRID I	" "
PLATE 1C: GEOPHYSICAL PLAN GRID I	" "
PLATE II: GEOCHEMICAL PLAN GRID II	" "

LIST OF TABLE

TABLE I: PERTINENT CLAIM DATA
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SUMMARY

The Ascot Property consisting of 98 claim units is situated between Dome Mountain and Mt. McKendrick in the Omineca Mining Division. The Dome Mountain Road provides rough four wheel drive access to the property during dry weather. Helicopter ferry time from Smithers is about 10 minutes.

The area has a long history of massive sulphide and precious metal exploration. Recent interest in properties like the Ascot has been stimulated by new discoveries on the Canadian-United/Noranda Dome Mountain Property. The Boulder Creek Discovery is reported to contain very impressive gold values over a strike length of over 328 feet and the Forks deposit is reported to contain indicated reserves of 100,000 tons grading 0.56 ounces of gold per ton.

A total of 172 soil samples were collected and 4.25 kilometers surveyed for VLF-EM and magnetics during the current survey. Anomalous results obtained during this program and on adjacent properties provides encouragement for continued exploration.

## INTRODUCTION:

The Ascot Property near Dome Mountain in the Omineca Mining Division is a prospect with volcanogenic mineralization in several occurrences. Recent exploration success on an adjacent property has encouraged re-evaluation of the precious metal content of the property. Peter Christopher & Associates Inc. was retained by the management of Geostar Mining Corporation to conduct the 1985 exploration program on the property. The writer and Mr. Barry J. Price conducted an initial examination of the property on July 22, 1985 with the main field program conducted by the writer and Mr. Barry Gregory between September 6th and September 10th, 1985. This report summarizes the results of geophysical and geochemical investigations mainly conducted on three grid areas.

## LOCATION AND ACCESS (Figures I & II)

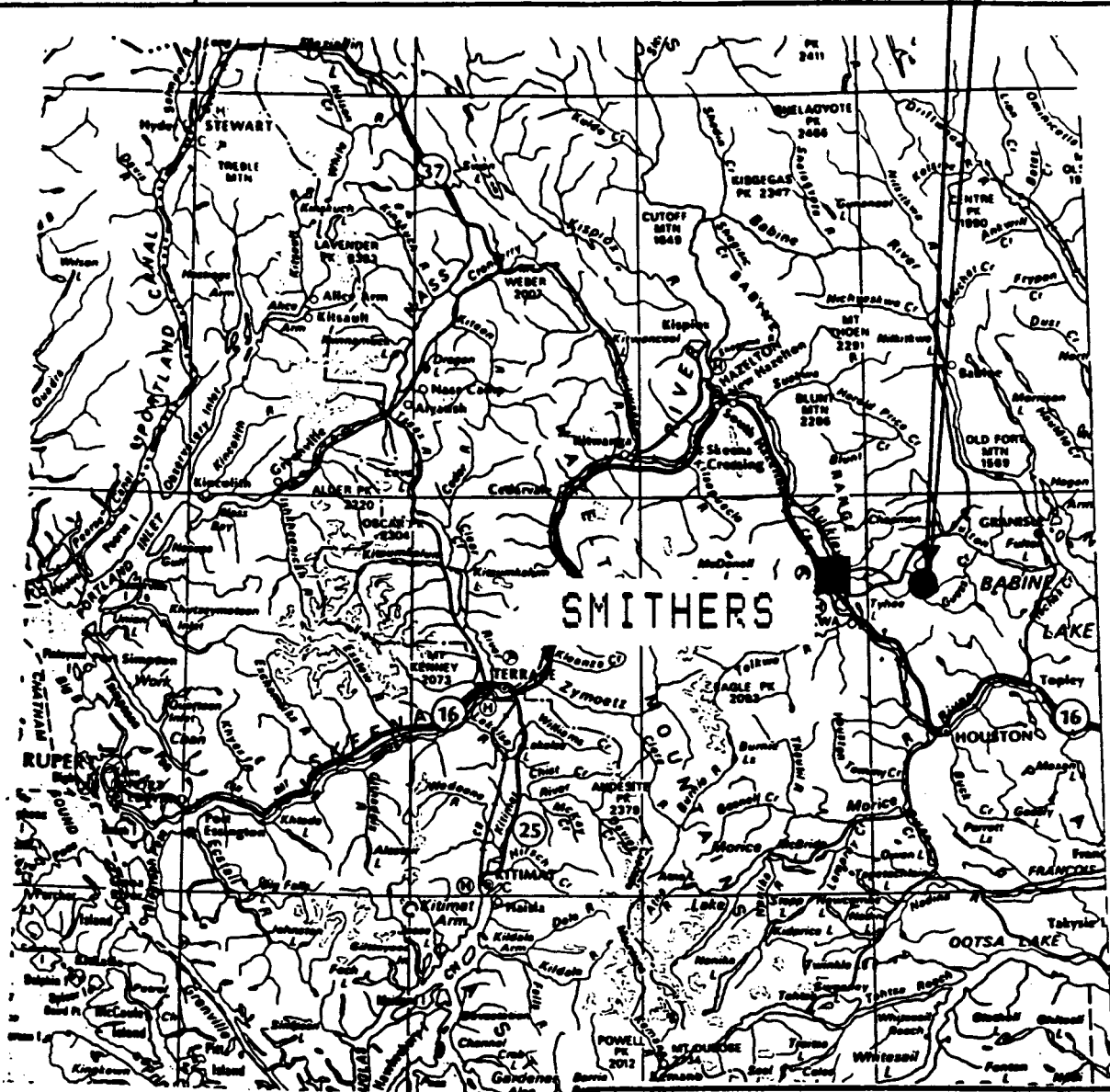
The property is located 32 km due east of Smithers, B.C., at the headwaters of Canyon (Carr) Creek, between Dome Mountain and Mt. McKendrick. The claims are reached most easily by helicopter from Smithers, (10 minutes), although a rough cat-road extending from the Babine Lake highway, 5 kilometers to the west, to Dome Mountain affords four-wheel drive access during dry weather. Improvement of this road would be inexpensive. During winter months, excellent snowmobile access is provided by the cat-road. Two cabins exist on the property and old exploration camps near the main showings have considerable lumber and old tent-frames which could be re-used. Smithers is serviced by daily jet flights from Vancouver. Most supplies and services are available locally with the town acting as a service center for several mines.

## PHYSIOGRAPHY, VEGETATION AND CLIMATE

The property has moderate relief with elevations ranging between about 4000 and 5000 feet A.S.L. Outcrop is generally restricted to creeks and ridge tops. Most of the property is covered with moderate to dense second growth timber. Several large grassy swamps occur near the main creeks with two of the swampy area evaluated by grids 1 and 3.

Climate of the area is moderate. The property is generally free of snow between May and October, but during early September of 1985 it was covered by up to a foot of snow. Geophysical work can be conducted year round but geochemical surveys should be completed between May and October.

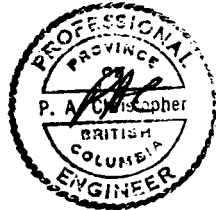
# ASCOT PROPERTY



GEOSTAR MINING CORP

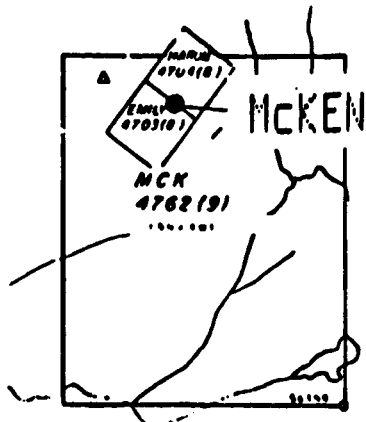
ASCOT PROPERTY  
FIGURE 1

LOCATION MAP



SCALE 1cm:20 km.

PA CHRISTOPHER & ASSOC.



MCKENDRICK GOLD VEIN



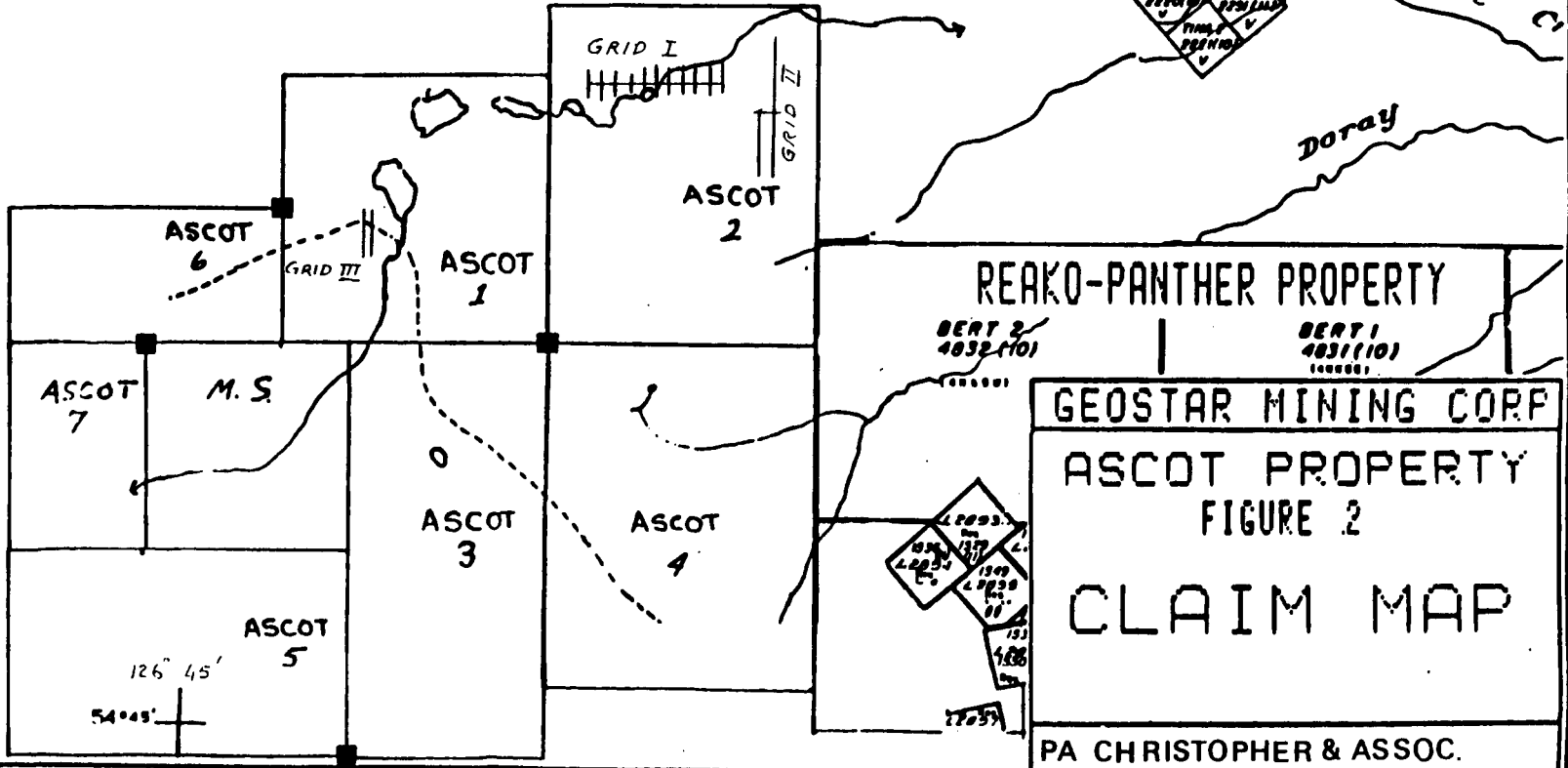
Regan

Byron



Stimson Cr

Doray



REAKO-PANTHER PROPERTY

BEAT 2  
4832 (10)

BEAT 1  
4831 (10)

GEOSTAR MINING CORP

ASCOT PROPERTY  
FIGURE 2

CLAIM MAP

PA CHRISTOPHER & ASSOC.

CLAIMS:

The property consists of six claims containing 98 units and 2 fractions. The M.S. claim, with record number 5855, was recorded Oct 12, 1983, and is a re-staking of the original MS claim which lapsed in 1983. The original property extended well to the northeast and to the south, and much of this area has been restaked recently by the company. Claim data are listed in Table 1.

TABLE 1. Pertinent Claim Data.

<u>CLAIM</u>	<u>REC. #</u>	<u>UNITS.</u>	<u>EXPIRY DATE</u>
M.S.	5885	9	Oct 12, 1985
Ascot 1	6089	16	Mar 14, 1986
Ascot 2	6090	20	"
Ascot 3	6091	18	"
Ascot 4	6092	20	"
Ascot 5	6093	15	"

EXPLORATION HISTORY:

Claims were staked on the central showings in 1951 by W. Silta, but no record exists of exploration results from that period.

In 1967 the area was staked by Texasgulf Ltd. (now Kidd Creek Mines Ltd.) on the basis of strongly anomalous silt samples taken during a regional reconnaissance exploration. From 1969 to 1973 the claims were explored from two base-camps. Considerable work was done, including reconnaissance and detailed soil geochemical surveys, airborne magnetic and electromagnetic surveys, ground EM surveys and geologic mapping. On the basis of the geophysical surveys, three short diamond drillholes were completed in 1972. One of the holes intersected disseminated lead - zinc mineralization in a limy tuff unit.

The property was dropped by Texas Gulf in 1977 and one area encompassing the most interesting showings was restaked as the MS claim by prospector Kevin Coswan of Smithers. Petra Gem Exploration, a private company managed by Barry Price, Geologist, optioned the claims in July 1977 and exploration done during that year included additional staking, cutting of a trail to the showings from the lower camp, geological mapping and sampling and, late in the season, drilling of three short "packsack" drill-holes. In 1978, Petra Gem completed additional mapping and sampling and a ground magnetometer survey in the vicinity of the mineralized Texas Gulf drill hole.

In 1979, due to lack of finances, Petra Gem Exploration was forced to drop the option. Since that time, the property has been maintained by Rapitan Resources Inc. and Barry Price. The property lapsed in 1983 with the present large block of Ascot and MS claims staked by Tony L'Orsa of Smithers in September 1983 and sold to Barry Price in March 1984. In July and September 1985, Peter Christopher & Associates Inc. conducted an exploration program for Geostar Mining Corporation on the claims. This report summarizes the results of the 1985 exploration program.

### WORK PROGRAM

An initial examination of the Ascot property was conducted by Peter Christopher and Barry Price on July 22, 1985. A geophysical and geochemical exploration program outline during the initial examination was conducted by Barry Gregory and the writer between September 6th and September 10th, 1985. Prospecting of the area near Dome Mountain (Canadian-United/Noranda Exploration joint venture) was not possible because of an early snow fall.

Grid I and II were soil sampled at 25 meter intervals along flagged and chained lines with tie and baselines sampled at 50 meter intervals. A total of 172 soil samples were collected and analyzed by CDN Resource Laboratories Ltd. for lead, zinc and silver. Seven rock samples were collected to check favourable altered zones for base and precious metals. Geochemical sites are shown on Plate IA and geochemical results are shown on Plates IB and II with certificates of analysis presented in Appendix B.

VLF-EM and magnetic readings were collected over Grid I and III. VLF-EM profiles for Grid I are presented in Appendix C and anomalous VLF-EM results and magnetic values are summarized on Plate III. Grid III consisted of only two short lines that contained no anomalous results and values were not plotted. About 4.25 line kilometers or 185 stations were surveyed with VLF-EM and magnetics.

Helicopter access was used for the initial examination and 4 wheel drive was used to reach a temporary campsite constructed at about kilometer 8 on the Dome Mountain Road.



### REGIONAL GEOLOGY:

The southern end of the Babine Range is underlain by volcanic and sedimentary rocks of the Hazelton Group, described by Tipper and Richards (1976). The geology of the Dome Mountain gold camp has been described by MacIntyre (1985). Stratigraphic units trend eastward to northeastward, but irregularities in this trend are caused by northwesterly trending folds and probable thrust faults in shaly sedimentary members. The sequence of volcanic rocks, volcanoclastics and related sedimentary rocks was intruded by several small diabase or diorite plugs and dykes and one quartz monzonite stock in the Dome Mountain area.

The lowermost unit of the Hazelton Group is the Telkwa Formation, which has both marine and subaerial facies. In the vicinity of Dome Mountain, the Telkwa formation is represented by the marine "shelf" facies, described by Tipper and Richards (1976) as follows:

" Between Bulkley River and Babine Lake, predominant subaqueous and subaerial pyroclastic rocks are intercalated with marine sediments and intravolcanic non-marine sediments...."

"In the Dome Mountain area, two volcanic members may be present. A lower assemblage comprises interbedded red, maroon, purple, grey and green tuff and breccia, with interbeds of shale and greywacke. Discontinuous limestone beds and lenses, in places with a pelecypod and ammonite fauna, are common. This unit is overlain by about 100 m of black shale, separating it from a second volcanic member, estimated to be 900 m thick, of mainly green aquagene tuff, breccia and flows at the base, grading upward into a mainly subaerial assemblage of reddish-colored lapilli tuff and fine to medium-grained (basaltic to rhyolitic) breccias and flows. ...."

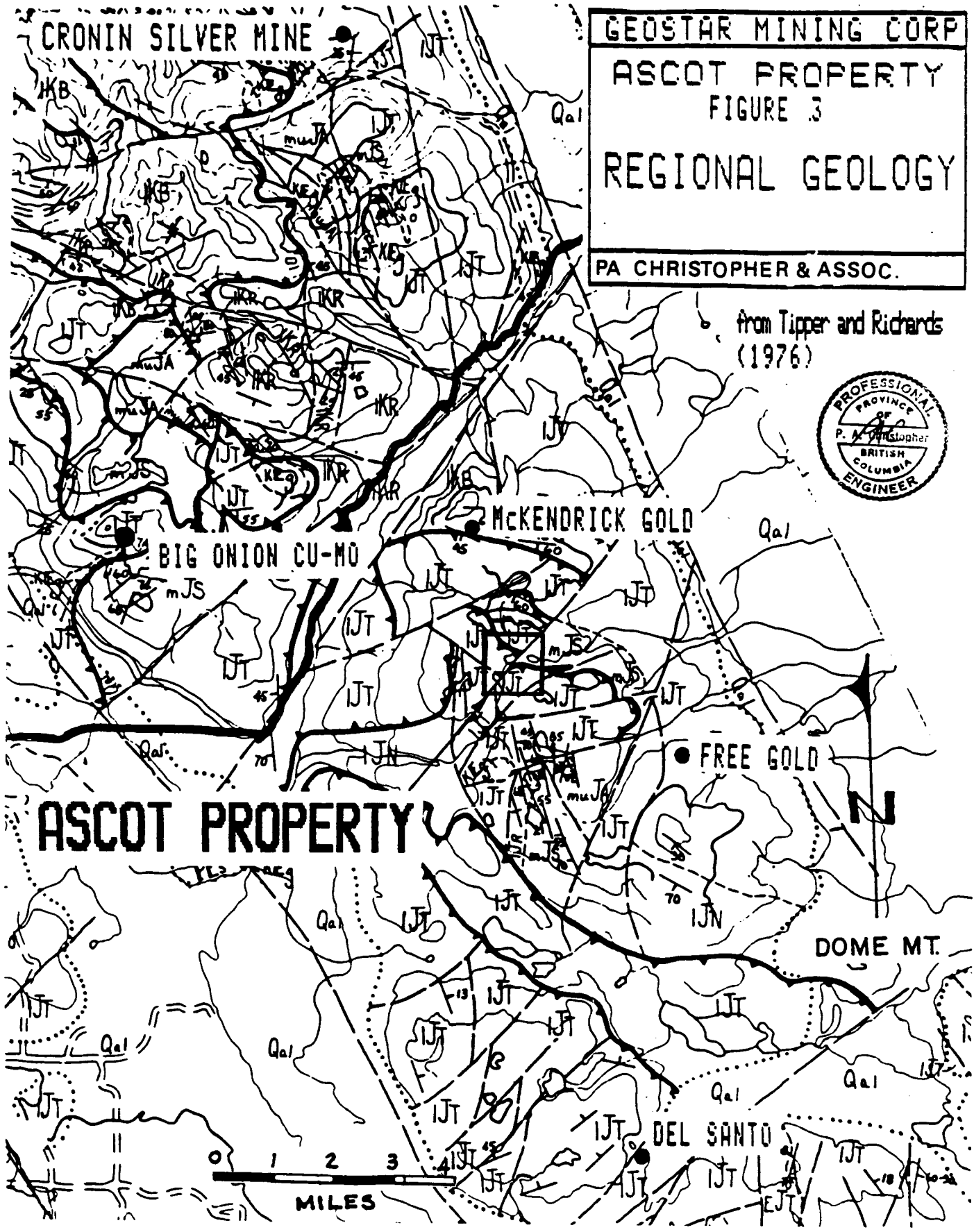
"The transition zone between the Howson subaerial facies to the west, and the Babine facies is a broad (5km.) arcuate belt with limestone reef and reefoid bodies, marine sediments with shell coquinas, and minor aquagene tuff interfingering with the prominent reddish-colored volcanics typical of the subaerial facies".

### MINERAL DEPOSITS IN THE AREA:

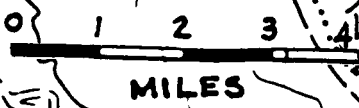
A number of mineral deposits of known or suspected volcanogenic origin are present within Hazelton Group rocks in the Smithers - Houston areas. Price (1984) described the mineral deposits of the area as follows: "The "Babine Shelf Facies" of the Telkwa Formation; is characterized by volcanogenic mineral deposits similar in many respects to the Kuroko polymetallic massive sulphide deposits of Japan. Deposits in the belt, which extends

**GEOSTAR MINING CORP**  
**ASCOT PROPERTY**  
**FIGURE 3**  
**REGIONAL GEOLOGY**  
**PA CHRISTOPHER & ASSOC.**

from Tipper and Richards  
(1976)



**ASCOT PROPERTY**



from Hudson Bay Mountain, (eg. Schufer prospect) west of Smithers, eastward to Dome Mountain area, (Ascot and Del Santo prospects), southward through Houston (Lakeview, Copper Ridge, Bob Creek prospects), Morice River (Code prospect), Morice Lake (Moon Prospect), and probably through the Whitesail map area (Chikamin Mountain). All deposits along the belt have either massive sulfides of the proximal type, (chalcopyrite, pyrite or pyrrhotite-rich), distal type, (sphalerite-galena rich), or "stringer zones" associated with rhyolitic to dacitic domes and pyroclastics, overlain by shaly to limy marine sediments.

In adjacent subaerial "Howson Facies" volcanics, numerous low-sulphur copper-silver and epithermal gold-silver deposits are present. Porphyry copper-molybdenum-tungsten deposits are present in rocks of both facies throughout the Smithers map area."

Recent exploration on the Dome Mountain Property property by the Canadian-United/Noranda joint venture has outlined at least three auriferous stratabound zinc, lead, silver and copper prospects. The Forks Deposit is the most advanced with indicated reserves of 100,000 tons grading 0.56 ounces of gold per ton with an average width of about 8 feet. The new Boulder Creek discovery has high grade gold values exposed in trenches for over 328 feet. The geology and mineral deposits in the Dome Mountain area have been described by MacIntyre (1985).

#### GEOPHYSICAL SURVEY (Plates IA & IC)

Magnetometer and VLF-EM readings were collected along flagged and chained lines at 25 meter intervals in Grid I and III with readings collected at all soil sample sites in Grid I and at intermediate sites along the Grid I baseline. Intermediate line 6+50E was surveyed to check continuity of anomalies. VLF-EM profiles are shown in Appendix C with magnetic results and VLF-EM anomalies for Grid I shown on Plate IC. Results for the two 375 meter lines surveyed over Grid III showed no anomalous results and were not plotted. A Scintrex model MP2 magnetometer was employed with the detector in the pack mount position. A base station was established at the Texas Gulf Cabin and sub-base stations established at 100 meter intervals along the baseline. Little diurnal or other magnetic variation was detected and machine readings were plotted on Plate III without correction. A Geonic Ltd. EM 16 was used for the VLF-EM survey. Readings were taken at two frequencies with Hawaii and Cutler used.

## Results

A total of 3.5 line kilometers of VLF-EM and magnetic data was compiled over the Grid I area. Within the VLF-EM survey area, the data produced several distinct and some questionable anomalous readings, these have been portrayed in appended profiles and on Plate 1C. The distribution of the EM anomalies is best viewed as an undulating or sinuous broad zone generally coincident with the lead zone outlined by the soil geochemistry. The coincidence of the soil lead geochemistry and the general pattern of the EM response, encourages the possibility of an underlying structural or lithological element controlling both features.

The magnetic data shows a maximum relief of about 250 gammas with most of the relief in the eastern part of the grid. No significant magnetic anomalies or trends were outlined in grid I or III.

## GEOCHEMICAL SURVEY (Plates IA, IB & II)

A total of 172 soil and 7 rock samples were collected during the geochemical surveys. Soil samples were collected from the B horizon, placed in kraft paperbags, dried and shipped to CDN Resource Laboratories Ltd. in Delta for lead, zinc and silver geochemical analysis by standard atomic absorption methods. Certificates of analysis are presented in Appendix B. Sample sites, sample results and lead contours are shown on Plates IA, IB and II.

## Results

Values for silver range from below the detection limit (<0.1ppm) to 1.4ppm. Values for lead range from 7ppm to 390ppm. Values for zinc range from 50 ppm to 1100ppm.

### Silver

Silver results were generally at or below the detection limit. An arbitrary value of 0.5ppm was chosen to represent threshold anomalous geochemical values. At this level no samples on Grid I were significant while three samples on Grid II gave significant response. Of the three anomalous samples, only one at 3+25S, 2+00E is coincident with other anomalous results.

### Lead

An arbitrary value of 27 ppm was chosen to represent threshold anomalous lead. At this value lead shows a distinct linear with a subtle but distinct multistation anomalous zone within the Grid I area. There were several anomalous samples on Grid II with grid extension required to define anomalous trends. Several adjacent samples in the area of 2+00E, 3+25N and at 0+00E, 0+50S exhibit anomalous lead results.

### Zinc

An arbitrary value of 400ppm was selected as the threshold of anomalous zinc. At this level 5 samples were anomalous on Grid I and exhibit a direct connection or spatial relationship to anomalous lead. Several samples were anomalous in grid II. All show a coincidence or spatial affinity with anomalous lead or silver.

### DISCUSSION OF ASCOT PROPERTY

Of the geochemical elements analyzed the distribution of lead is most striking and forms the clearest multistation anomalous area. The appearance of a zone of anomalous lead values within Grid I from the B1 at 0+00 to 5+00E, 1+50N is well illustrated by the 27ppm lead contour. The correlation of the anomalous lead with VLF-EM anomalies enhances the significance of the geophysical response. A more sophisticated electromagnetic method or IP survey is required to select drill targets to test the anomalous zone.

Anomalous geochemical values for lead, zinc and silver obtained from the Grid II survey area encourage extension of the grid area.

Considering the auriferous nature of lead, zinc and silver mineralization on the adjacent Dome Mountain property of Canadian-United and Noranda, samples with anomalous lead, zinc or silver values should be analyzed for gold and all samples should be analyzed for copper.

### CONCLUSIONS AND RECOMMENDATIONS

The 1985 exploration program has completed part of the Stage I program recommended in Geostar's engineering report (Birkeland, 1984). The results of the present program has enhance the exploration potential of the Grid I and Grid II areas. Results from the Grid III area was not encouraging. Prospecting for possible extensions of auriferous mineral zones on the Dome Mountain property is a priority for the 1986 season. Prospecting should be conducted during July or August when the property is snow free.

A sophisticated geophysical method should be used to define drill targets within the Grid I area.

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engineering report prepared for Geostar Mining Corporation dated  
March 1984.

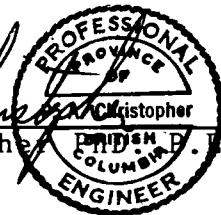
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Paper 1985-1, Geological Fieldwork 1984 pp. 193-213.

CERTIFICATE

I, Peter A. Christopher, with business address at 3707 West 34th Avenue, Vancouver, British Columbia, do hereby certify that:

- 1) I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.
- 2) I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.
- 3) I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.A. (1968) from Dartmouth College and a Ph.D. (1973) from the University of British Columbia.
- 4) I have been practising my profession as a Geologist for over 20 years.
- 5) I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the property or securities of Geostar Mining Corporation.
- 6) I have based this report on field work conducted under my supervision on July 21,22, 1985 and between September 6th and 10th, 1985, a review of available geological data and a review of company exploration reports.
- 7) I consent to the use of this report by Geostar Mining Corporation and B. J. Price for assessment work.

  
Peter A. Christopher, P. Eng.  
January 8, 1986





APPENDIX A

COST STATEMENT

PERSONNEL

B.J. PRICE MSc.	July 21,22/85 @ \$300ea.	\$ 600
P.A. CHRISTOPHER P.Eng.	July 21,22/85 & Sept. 6-10/85 @ \$300ea.	2100
BARRY GREGORY P.Eng.	Sept. 6-10/85 @ \$150ea.	750

MOBILIZATION/DEMOBILIZATION

500

ROOM AND BOARD

14 MAN DAYS @ \$50EA

700

TRANSPORTATION

HELICOPTER		451
TRUCK 4X4	5 @ \$80ea. including gas & mileage	400
VAN	2 @ \$50ea " " "	100
AIRFARES	3 @ \$162 ( 1.5 round trips)	486

RENTALS

5 DAYS @ \$40 ea. VLF-EM & Magnetometer 200

EXPENDABLES

MAPS	\$ 15	
HIP CHAIN	15	
SAMPLE BAGS	22	
FLAGGING	15	
OFFICE SUPPLIES	15	
MISC	<u>8</u>	
		90

GEOCHEMICAL ANALYSES

779

REPORT PREPARATION, DRAFTING, PRINTING

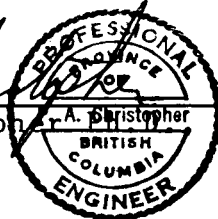
900

EXPLORATION COSTS \$ 8,056

EXPLORATION WORK RECORDED \$8000  
FROM B.J. PRICE PAC 1800  
\$9800

TOTAL ASSESSMENT RECORDED

*Peter A. Christopher*  
Peter A. Christopher P.Eng.  
November 5, 1985



APPENDIX B

CERTIFICATES OF ANALYSIS

**GEOCHEMICAL REPORT**

TO: Peter Christopher & Associates Inc.  
 3707 West 34th Avenue  
 Vancouver, B.C.  
 V6N 2W1

FILE NO.: 85-237

DATE: December 31, 1985

ATTENTION: P. Christopher cc. Geostar Mining Corp. PROJECT:

Sample Description	Ag ppm	Pb ppm	Zn ppm
APC 8597-001	<.1	30	350
002	<.1	25	400
003	<.1	45	265
004	<.1	35	200
005	<.1	30	240
006	<.1	25	215
007	<.1	10	310
008	<.1	10	120
009	<.1	20	175
010	<.1	30	340
011	<.1	6	155
012	<.1	25	210
013	<.1	25	175
014	<.1	40	275
015	<.1	45	280
016	<.1	30	140
017	<.1	20	40
018	<.1	20	250
019	<.1	25	130
020	.3	75	880
021	<.1	30	270
APC 8598-022	.1	30	60
023	.1	20	65
024	<.1	30	130
025	<.1	10	70
026	<.1	20	120
027	<.1	20	50
028	<.1	25	100
029	<.1	25	100
030	<.1	25	210
031	<.1	15	195
032	<.1	25	260
033	<.1	40	300
034	<.1	30	1100
035	<.1	35	280
036	<.1	25	140
037	<.1	25	125
038	<.1	30	215
039	<.1	40	300
040	<.1	23	170

..... *Neil Juge* .....

GEOCHEMICAL REPORT

Sample Description	Ag ppm	Pb ppm	Zn ppm
APC 8598-041	<.1	18	220
042	<.1	9	170
043	<.1	21	75
044	<.1	12	110
045	<.1	13	60
046	<.1	7	210
047	<.1	17	145
048	<.1	30	200
049	<.1	40	190
050	<.1	47	250
051	<.1	45	170
052	<.1	88	390
053	<.1	64	380
054	<.1	37	190
055	<.1	43	240
056	<.1	26	155
057	<.1	32	105
APC 8599-058	<.1	27	140
059	<.1	28	100
060	<.1	28	60
061	<.1	29	135
062	<.1	29	290
063	.1	20	280
064	1.4	30	400
065	<.1	29	420
066	<.1	25	290
067	<.1	22	140
068	<.1	17	145
069	.2	24	310
070	<.1	24	200
071	1.0	23	300
072	.2	20	240
073	<.1	15	300
074	<.1	14	90
075	.1	16	230
076	<.1	14	60
077	.1	20	280
078	.1	19	135
079	<.1	21	120
080	<.1	22	100
081	1.4	18	940
082	<.1	20	670
083	<.1	135	830
084	<.1	25	210
085	<.1	25	240
086	.1	23	290
087	<.1	26	260
088	<.1	25	160
089	<.1	37	185
090	<.1	29	170

.....Neil Juge.....

GEOCHEMICAL REPORT

Sample Description	Ag ppm	Pb ppm	Zn ppm
APC 8599-091	<.1	23	150
092	<.1	25	160
093	<.1	22	175
094	<.1	22	50
095	<.1	17	90
096	<.1	17	100
097	.1	30	120
098	<.1	320	1400
099	<.1	390	1100
100	<.1	30	210
101	<.1	25	260
102	<.1	24	200
103	.1	47	220
104	<.1	43	240
105	<.1	63	440
106	<.1	58	180
107	<.1	31	240
108	<.1	48	240
109	.4	25	690
110	<.1	16	130
111	.2	19	250
112	<.1	10	290
113	<.1	17	650
114	<.1	21	490
ABG 8598-001	.1	31	360
002	.2	22	190
003	.2	13	140
004	.2	20	140
005	<.1	22	140
006	<.1	32	250
007	<.1	33	240
008	<.1	20	70
009	<.1	23	200
010	<.1	19	100
011	<.1	20	190
012	<.1	23	180
013	<.1	21	250
014	<.1	21	120
015	<.1	20	440
016	.1	19	100
017	<.1	19	240
018	<.1	16	80
019	<.1	22	230
020	<.1	24	200
021	<.1	37	310
022	.1	31	280
023	<.1	24	140
024	<.1	26	240
025	<.1	26	190
026	<.1	21	140

.....Neil Juge.....

GEOCHEMICAL REPORT

Sample Description	Ag ppm	Pb ppm	Zn ppm	
ABG 8598-027	<.1	21	330	
028	<.1	26	220	
029	<.1	28	280	
030	<.1	31	360	
031	<.1	26	270	
ABG 8599-032	<.1	20	115	
033	<.1	25	185	
034	<.1	25	310	
035	<.1	45	230	
036	<.1	43	250	
037	<.1	24	240	
038	<.1	20	70	
039	<.1	21	130	
040	<.1	18	80	
041	<.1	25	190	
042	<.1	30	225	
043	<.1	15	80	
044	<.1	15	190	
045	<.1	20	215	
046	<.1	23	140	
047	<.1	26	370	
048	<.1	28	190	
049	<.1	20	180	
050	<.1	15	200	
051	<.1	15	100	
052	<.1	15	95	
053	<.1	75	590	
054	<.1	20	210	
055	<.1	23	110	
056	<.1	22	90	
057	<.1	21	95	
058	<.1	15	85	
DPC 85822-1	4.6	320	210	
2	2.6	115	260	
3	<.1	15	115	<u>Au (ppb)</u>
4	<.1	10	65	<5
5	<.1	20	30	
6	>100	>10,000	>10,000	
7	1.1	200	330	

.....Neil Juge.....

APENDIX C

VLF-EM PROFILES

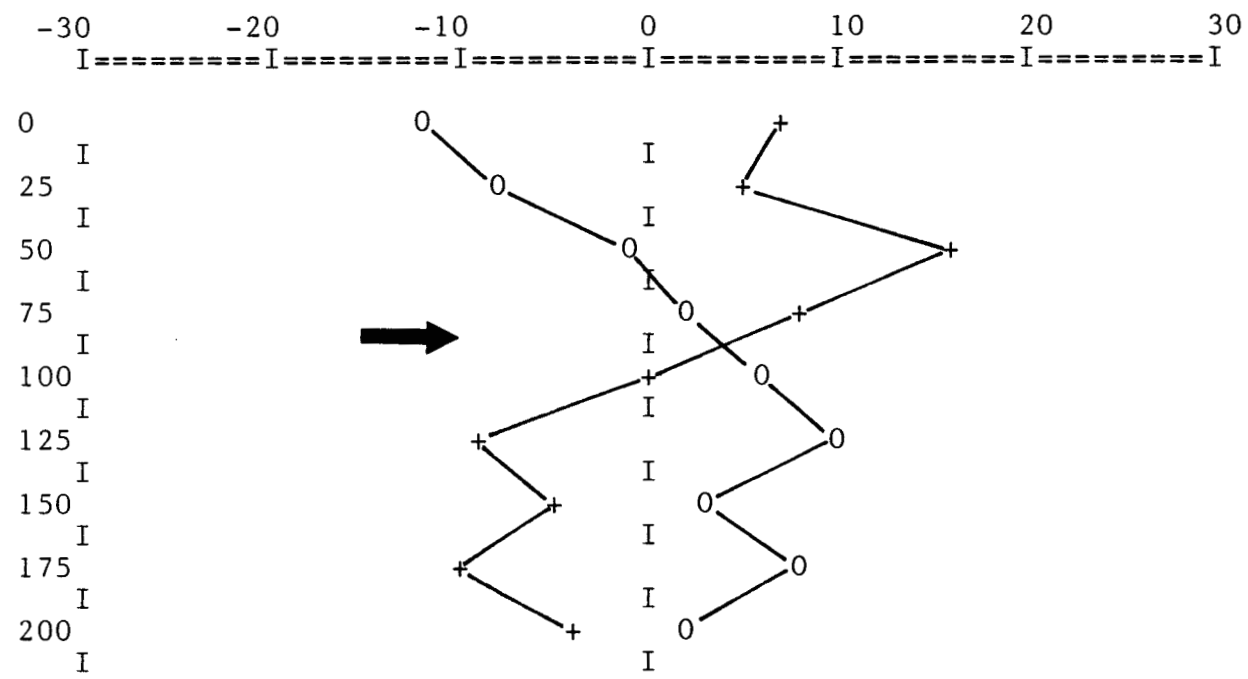
GRID I

0+00E 1N TO 1S  
1+00E 1N TO 1S  
2E 1+50N TO 0+25S  
3E 1+50N TO 0+50S  
4E 1+50N TO 1S  
5E 1+50N TO 1S  
6E 1N TO 1S  
7E 1N TO 1S  
8E 1+50N TO 0+25S  
9E 2N TO 0+50S  
10E 2N TO 0+50S  
BL 0+00E TO 10E

301 REM ASCOT PROPERTY GEOSTAR MINING CORP. SEPT 8/85 LOE 1N TO 1S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -12,7  
 320 DATA -8,5  
 330 DATA -1,16  
 340 DATA 2,8  
 350 DATA 6,0  
 360 DATA 10,-9  
 370 DATA 3,-5  
 380 DATA 8,-10  
 390 DATA 2,-4

PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP.  
 DATE :SEPT 8/85  
 LINE NUMBER :0+00E 1N TO 1S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS HAWAII  
 STN 2 IS CUTLER

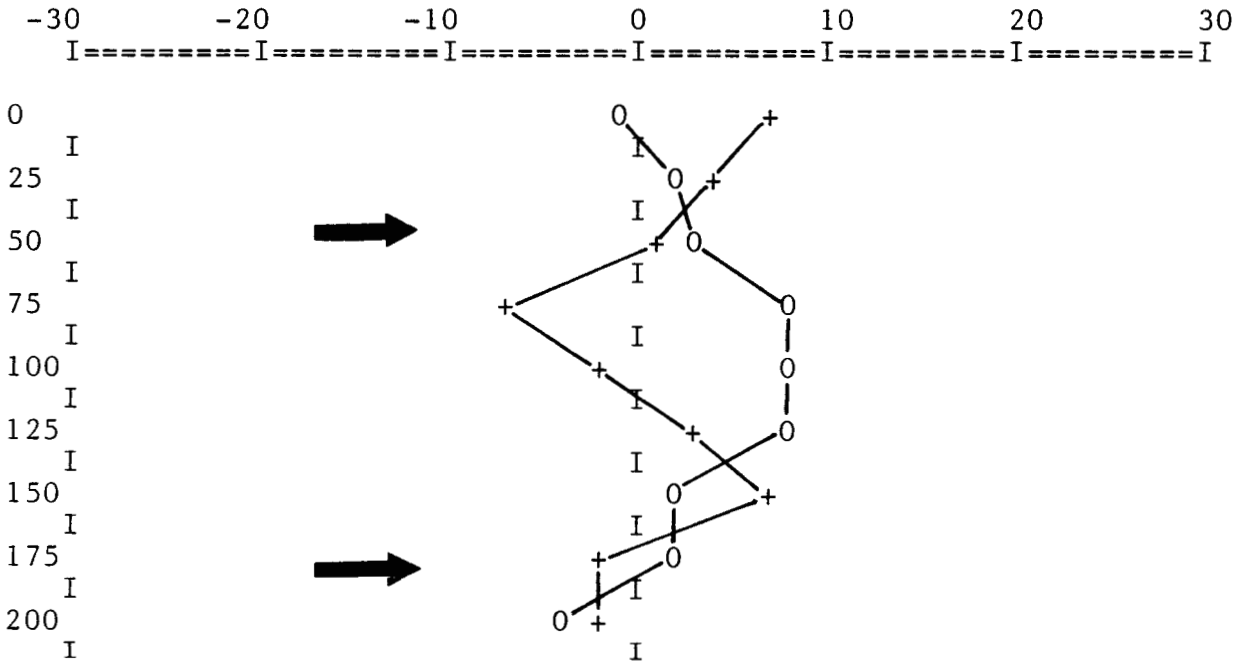




301 REM ASCOT PROP. GEOSTAR MINING CORP SEPT 8/85 L1E 1N TO 1S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -1,7  
 320 DATA 2,4  
 330 DATA 3,1  
 340 DATA 8,-7  
 350 DATA 8,-2  
 360 DATA 8,3  
 370 DATA 2,7  
 380 DATA 2,-2  
 390 DATA -4,-2

PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORPORATION  
 DATE :SEPT 8/85  
 LINE NUMBER :1E 1N TO 1S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS HAWAII  
 STN 2 IS CUTLER

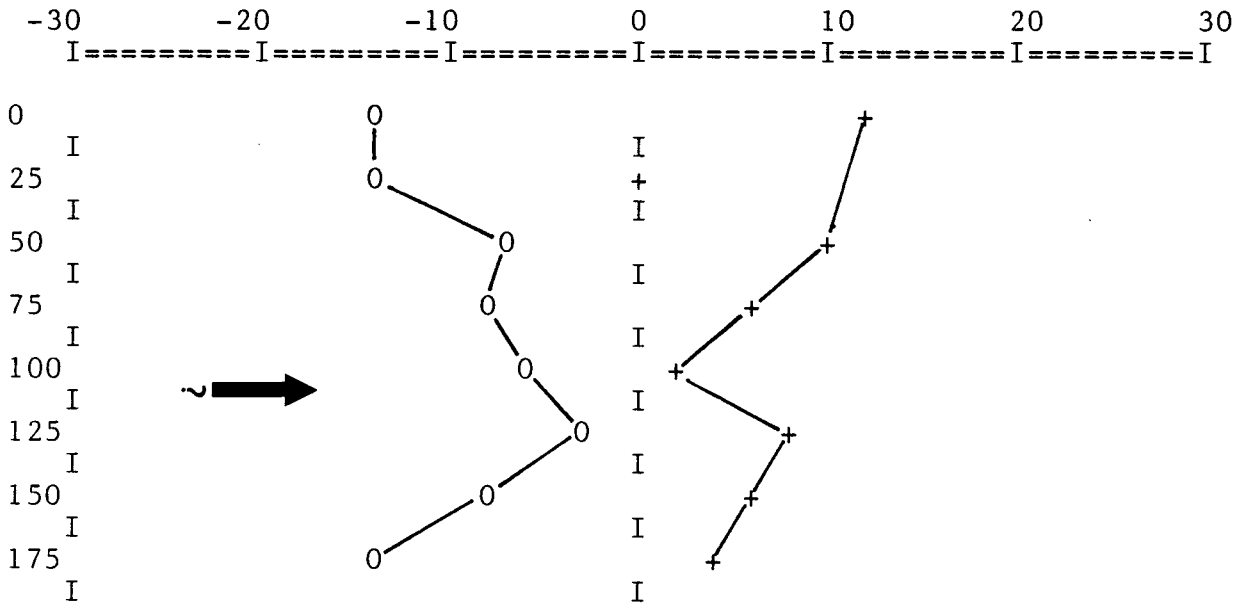


301 REM ASCOT PROP. GEOSTAR MINING CORP. SEPT 8/85 L2E 1+50N TO 0+25S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -14,12  
 320 DATA -14,0  
 330 DATA -7,10  
 340 DATA -8,6  
 350 DATA -6,2  
 360 DATA -3,8  
 370 DATA -8,6  
 380 DATA -14,4

PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP  
 DATE :SEPT 8/85

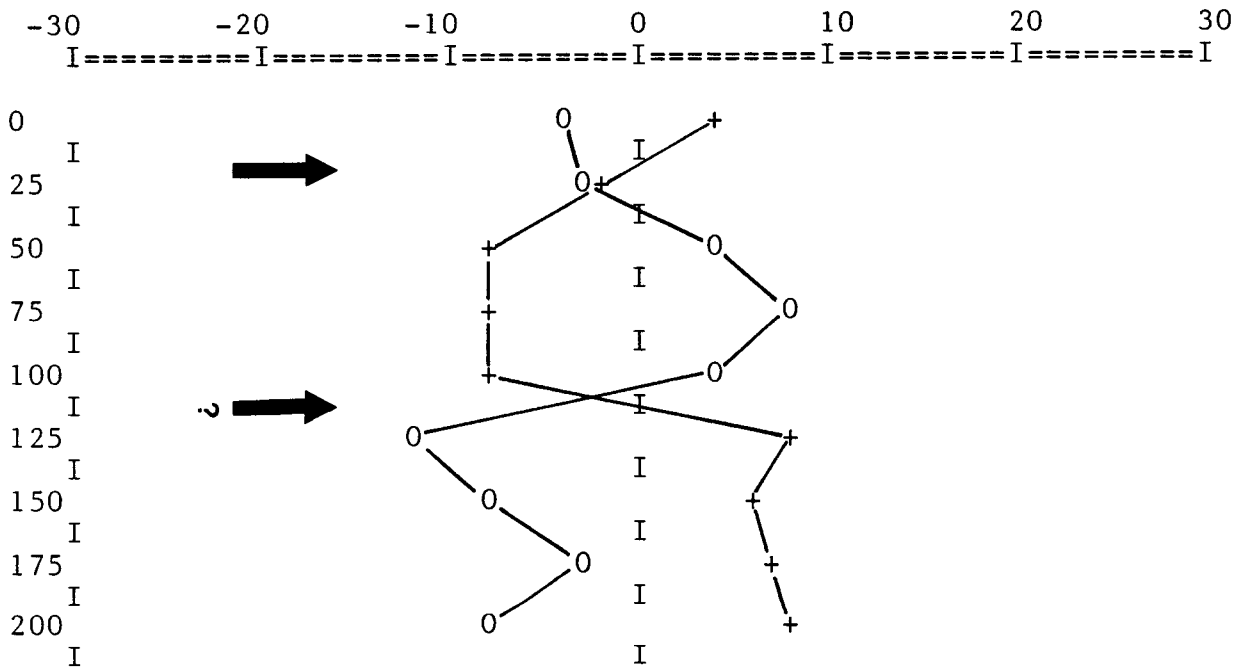
STN 1 IS HAWAII  
 STN 2 IS CUTLER

LINE NUMBER :2E 1+50N TO 0+25S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES



301 REM ASCOT PROP. GEOSTAR MINING CORP SEPT 8/85 L3E 1+50N TO 0+50S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -4,4  
 320 DATA -3,-2  
 330 DATA 4,-8  
 340 DATA 8,-8  
 350 DATA 4,-8  
 360 DATA -12,8  
 370 DATA -8,6  
 380 DATA -3,7  
 390 DATA -8,8  
 PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP  
 DATE :SEPT 8/85  
 LINE NUMBER :3E 1+50N TO 0+50S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

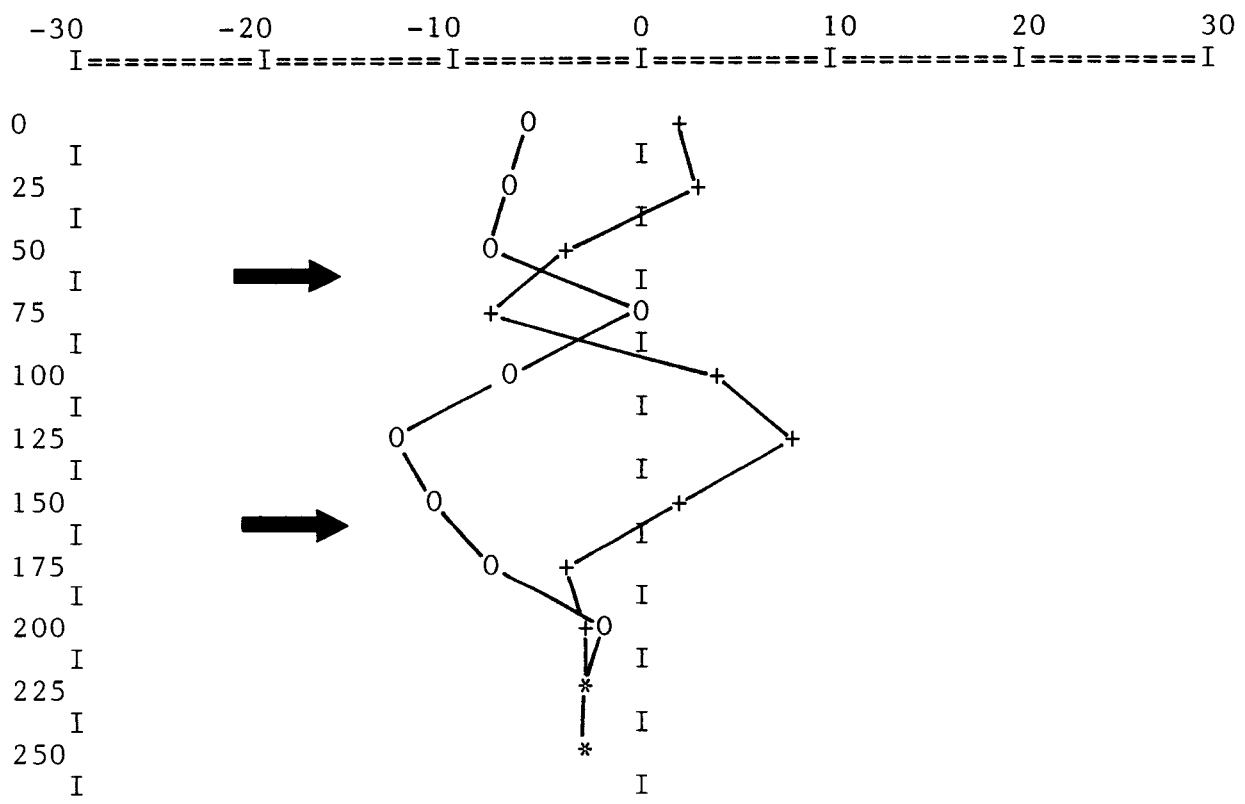
STN 1 IS HAWAII  
 STN 2 IS CUTLER



301 REM ASCOT PROP. GEOSTAR MINING CORP SEPT 8/85 L4E 1+50N TO 1S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -6,2  
 320 DATA -7,3  
 330 DATA -8,-4  
 340 DATA 0,-8  
 350 DATA -7,4  
 360 DATA -13,8  
 370 DATA -11,2  
 380 DATA -8,-4  
 390 DATA -2,-3  
 400 DATA -3,-3  
 410 DATA -3,-3

PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP.  
 DATE :SEPT 8/85  
 LINE NUMBER :4E 1+50N TO 1S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

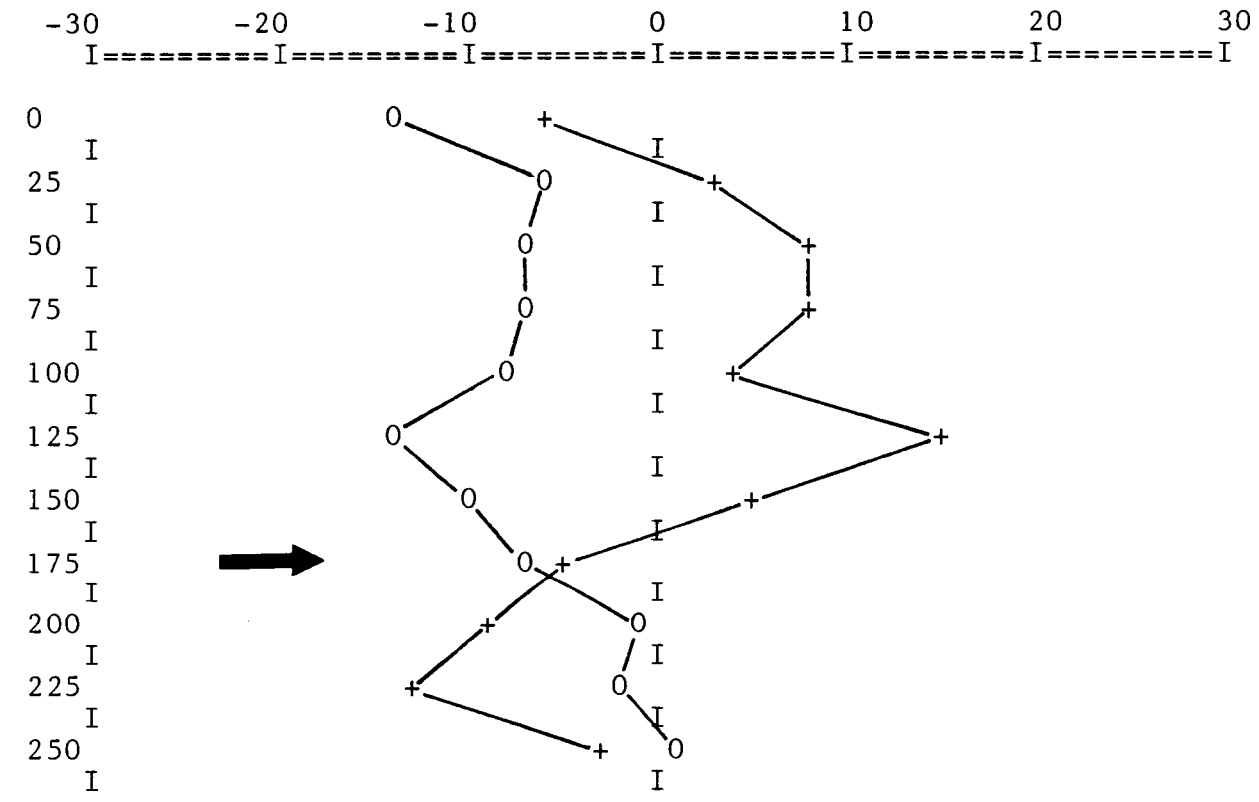
STN 1 IS HAWAII  
 STN 2 IS CUTLER



301 REM ASCOT PROP. GEOSTAR MINING CORP SEPT 8/85 L5E 1+50N TO 1S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -14,-6  
 320 DATA -6,3  
 330 DATA -7,8  
 340 DATA -7,8  
 350 DATA -8,4  
 360 DATA -14,15  
 370 DATA -10,5  
 380 DATA -7,-5  
 390 DATA -1,-9  
 400 DATA -2,-13  
 410 DATA 1,-3

PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP  
 DATE :SEPT 8/85  
 LINE NUMBER :5E 1+50N TO 1S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS HAWAII  
 STN 2 IS CUTLER



301 REM ASCOT PROPERTY GEOSTAR MINING CORP SEPT 9/85 L6E 1N TO 1S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -5,-10  
 320 DATA -19,11  
 330 DATA -22,13  
 340 DATA -14,15  
 350 DATA -10,9  
 360 DATA -6,3  
 370 DATA 2,-12  
 380 DATA 3,-14  
 390 DATA 3,-13

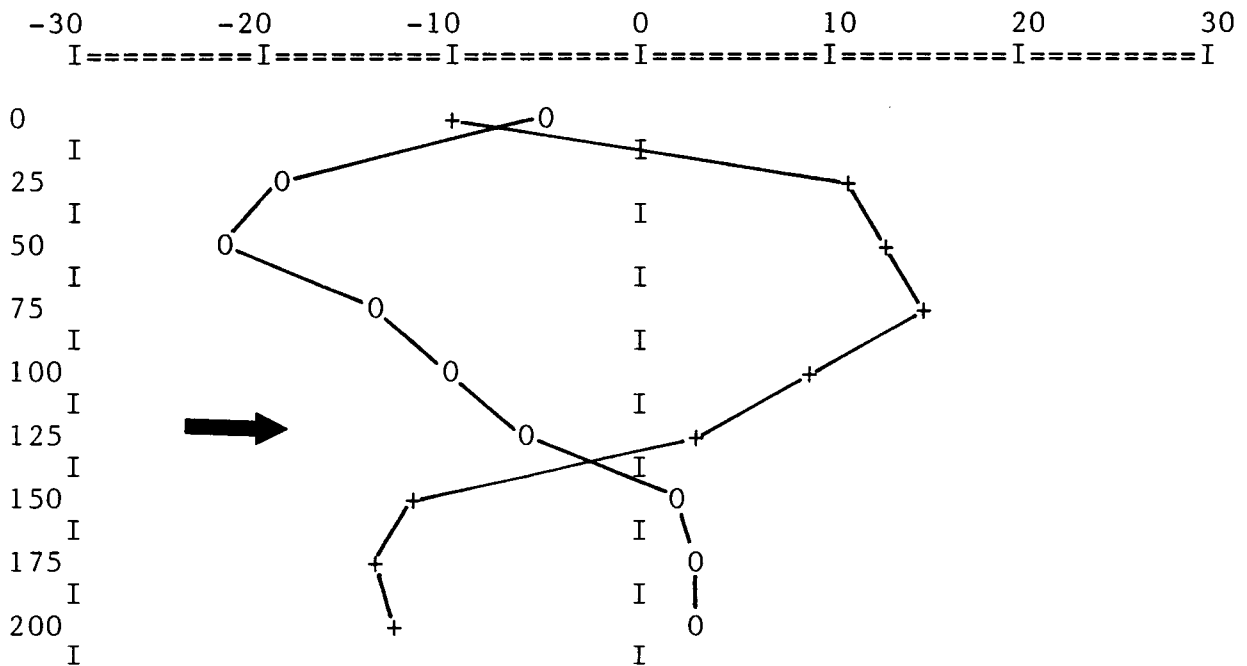
PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP

STN 1 IS HAWAII  
 STN 2 IS CUTLER

DATE :SEPT 9/85

LINE NUMBER :6E 1N TO 1S

RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

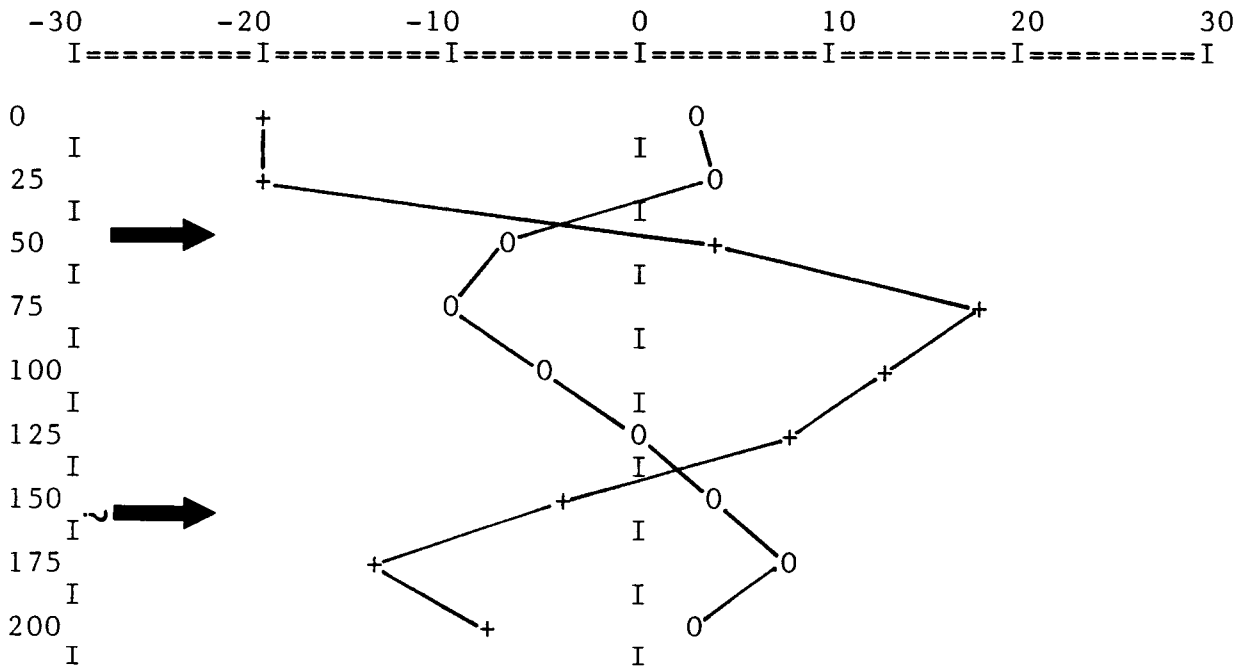


301 REM ASCOT PROP. GEOSTAR MINING CORP SEPT 9/85 L7E 1N TO 1S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA 3,-20  
 320 DATA 4,-20  
 330 DATA -7,4  
 340 DATA -10,18  
 350 DATA -5,13  
 360 DATA 0,8  
 370 DATA 4,-4  
 380 DATA 8,-14  
 390 DATA 3,-8

PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP  
 DATE :SEPT 9/85

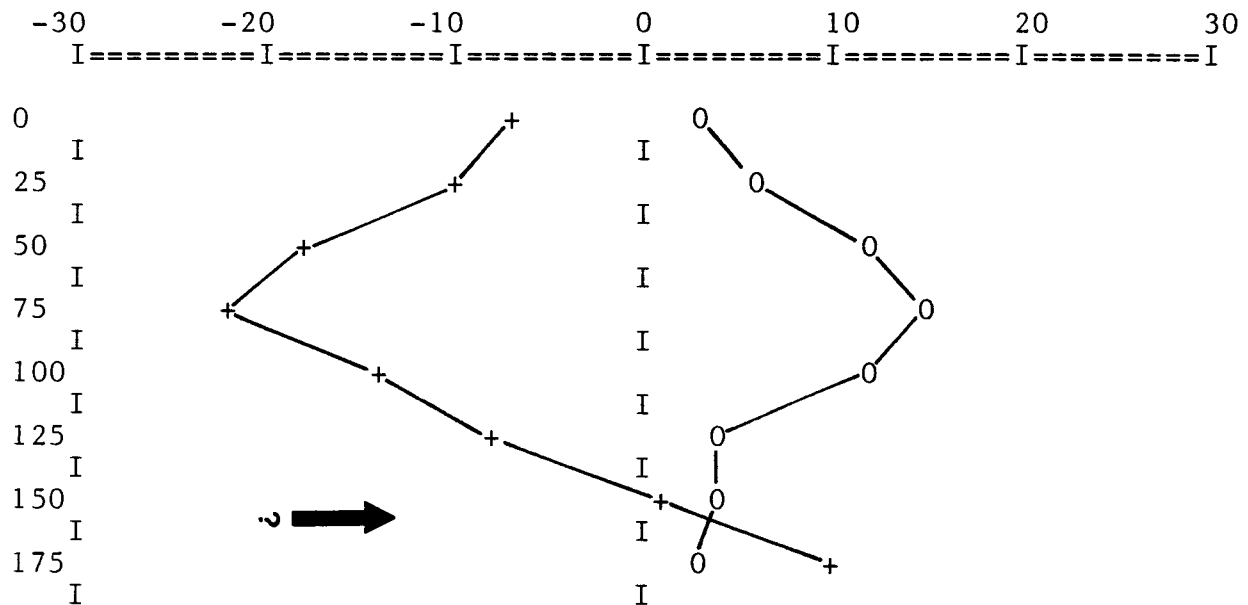
STN 1 IS HAWAII  
 STN 2 IS CUTLER

LINE NUMBER :7E 1N TO 1S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES



301 REM ASCOT PROP. GEOSTAR MINING CORP SEPT 9/85 L8E 1+50N TO 0+25S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA 3,-7  
 320 DATA 6,-10  
 330 DATA 12,-18  
 340 DATA 15,-22  
 350 DATA 12,-14  
 360 DATA 4,-8  
 370 DATA 4,1  
 380 DATA 3,10  
 PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP  
 DATE :SEPT 9/85  
 LINE NUMBER :8E 1+50N TO 0+25S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS HAWAII  
 STN 2 IS CUTLER

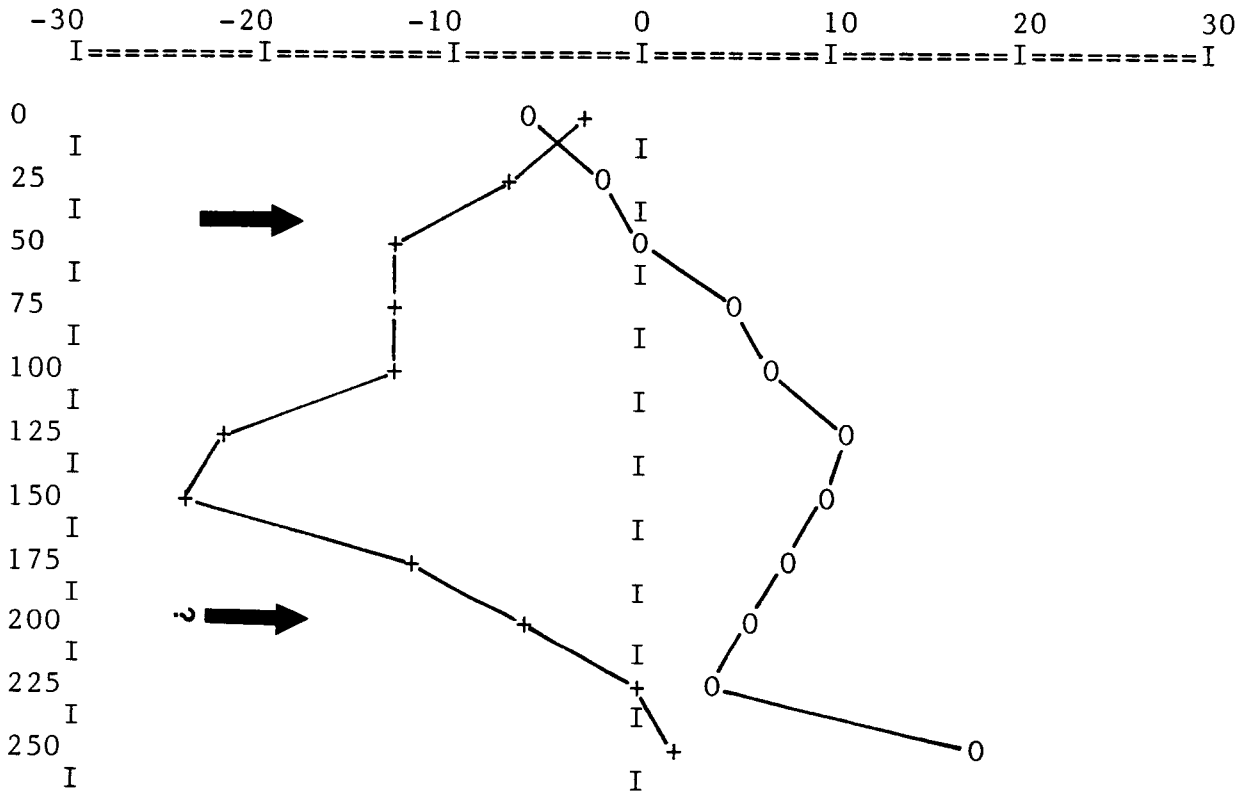




301 REM ASCOT PROP GEOSTAR MINING CORP SEPT 9/85 L9E 2N TO 0+50S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -6,-3  
 320 DATA -2,-7  
 330 DATA 0,-13  
 340 DATA 5,-13  
 350 DATA 7,-13  
 360 DATA 11,-22  
 370 DATA 10,-24  
 380 DATA 8,-12  
 390 DATA 6,-6  
 400 DATA 4,0  
 410 DATA 18,2

PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP  
 DATE :SEPT 9/85  
 LINE NUMBER :9E 2N TO 0+50S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS HAWAII  
 STN 2 IS CUTLER

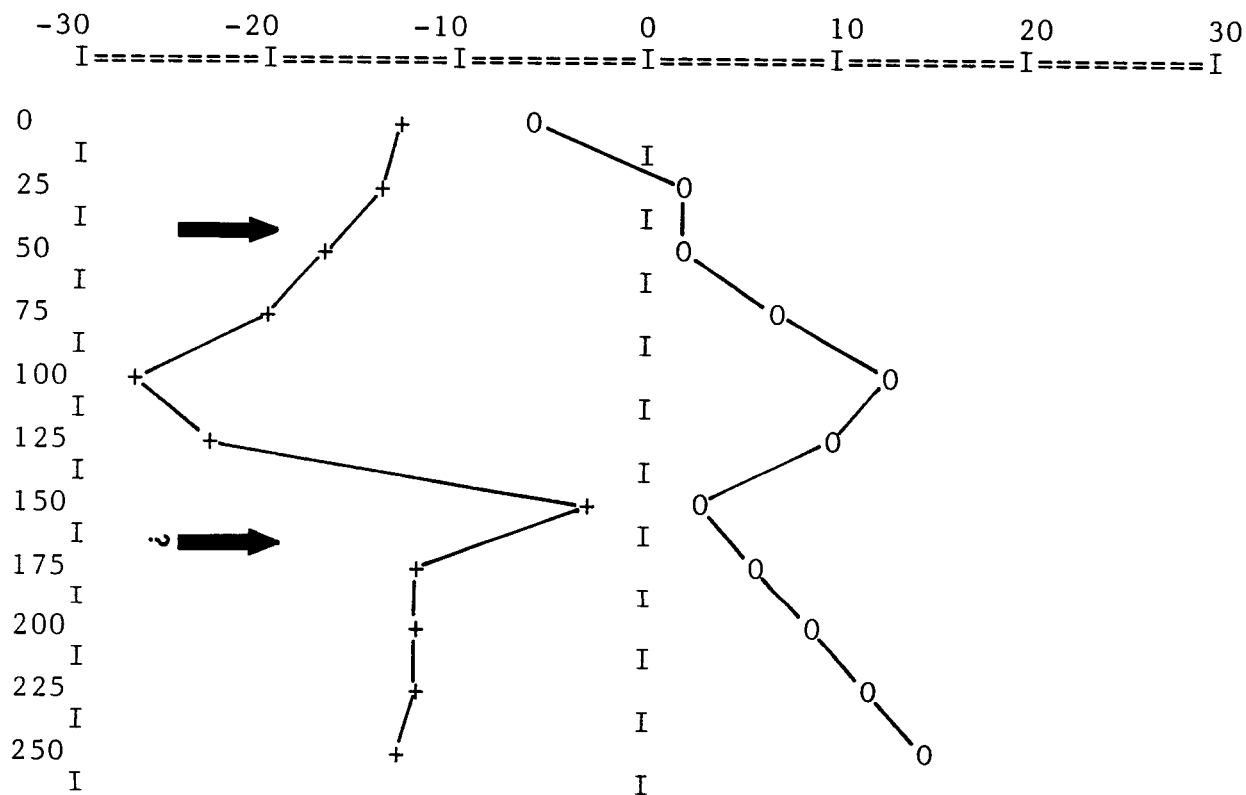


301 REM ASCOT PROP GEOSTAR MINING CORP SEPT 9/85 L10E 2N TO 0+50S  
 302 REM STA 1 HAWAII STA 2 CUTLER  
 310 DATA -6,-13  
 320 DATA 2,-14  
 330 DATA 2,-17  
 340 DATA 7,-20  
 350 DATA 13,-27  
 360 DATA 10,-23  
 370 DATA 3,-3  
 380 DATA 6,-12  
 390 DATA 9,-12  
 400 DATA 12,-12  
 410 DATA 15,-13

PROPERTY NAME :ASCOT PROPERTY  
 FOR CLIENT:GEOSTAR MINING CORP  
 DATE :SEPT 9/85

STN 1 IS HAWAII  
 STN 2 IS CUTLER

LINE NUMBER :10E 2N TO 0+50S  
 RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES



301 REM ASCOT PROPERTY GEOSTAR MINING CORP. SEPT.7/85 BL 0+00 TO 10E  
302 A 1 SEATTLE STA 2 ANNAPOLIS  
310 DATA 12,5  
320 DATA 15,6  
330 DATA 17,14  
340 DATA 17,7  
350 DATA 10,8  
360 DATA 12,11  
370 DATA -4,6  
380 DATA -4,6  
390 DATA -2,5  
400 DATA -2,2  
410 DATA 0,0  
420 DATA -4,4  
430 DATA -6,10  
440 DATA -3,8  
450 DATA -5,8  
460 DATA -8,7  
470 DATA -12,4  
480 DATA -9,4  
490 DATA -8,7  
500 DATA -3,8  
510 DATA 0,8  
520 DATA 3,12  
530 DATA 3,12  
540 DATA 3,12  
550 DATA 2,8  
560 DATA 3,12  
570 DATA 6,12  
580 DATA 9,13  
590 DATA 12,13  
600 DATA 14,14  
610 DATA 8,12  
620 DATA 0,-7  
630 DATA -2,-5  
640 DATA 4,3  
650 DATA 3,2  
660 DATA -3,-2  
670 DATA -4,-4  
680 DATA -1,-3  
690 DATA 2,-3  
700 DATA -7,-12  
710 DATA -15,-23

PROPERTY NAME :ASCOT PROPERTY  
FOR CLIENT:GEOSTAR MINING CORP.

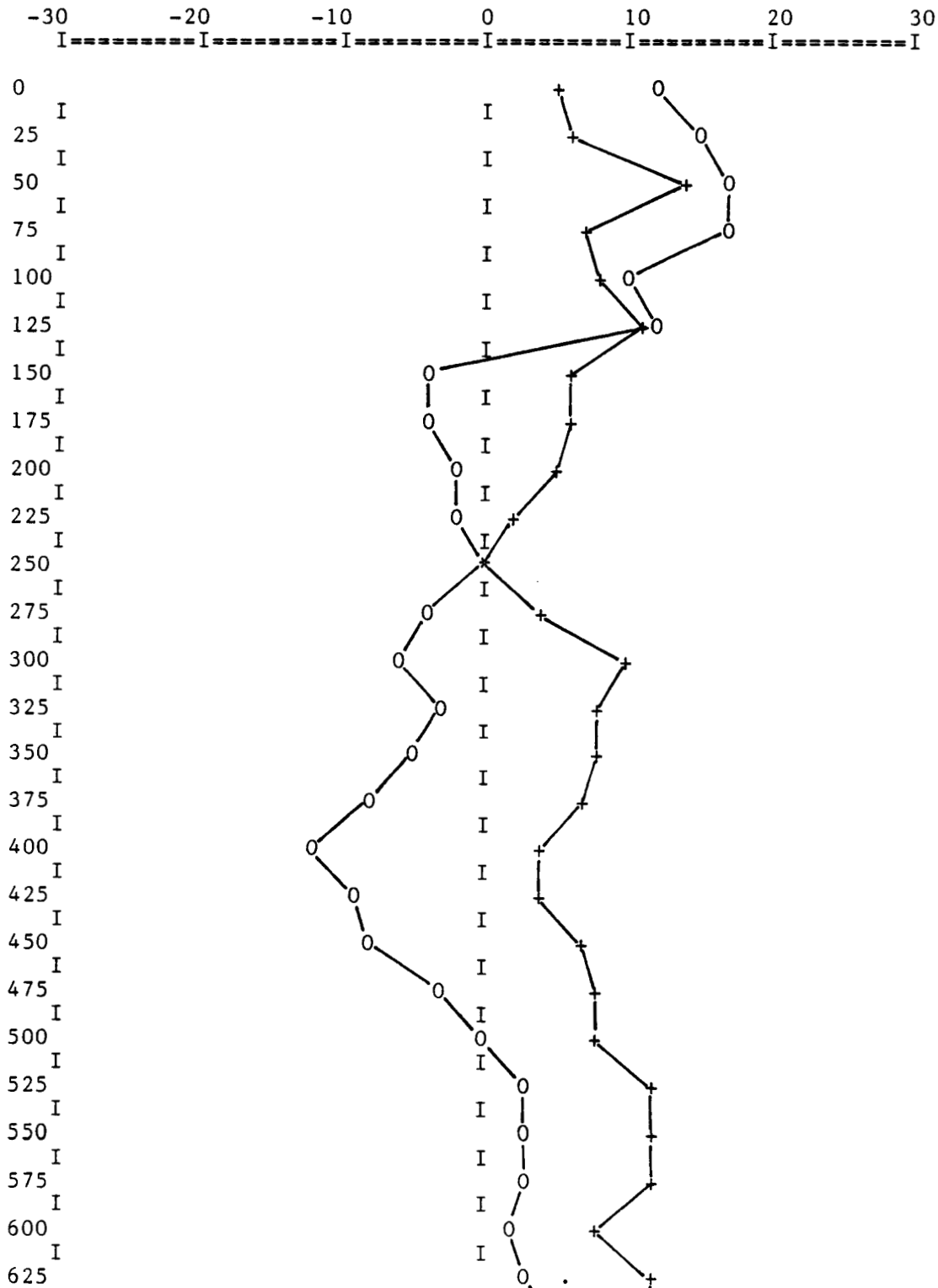
DATE :SEPT 7/85

LINE NUMBER :BL 0+00 TO 10E

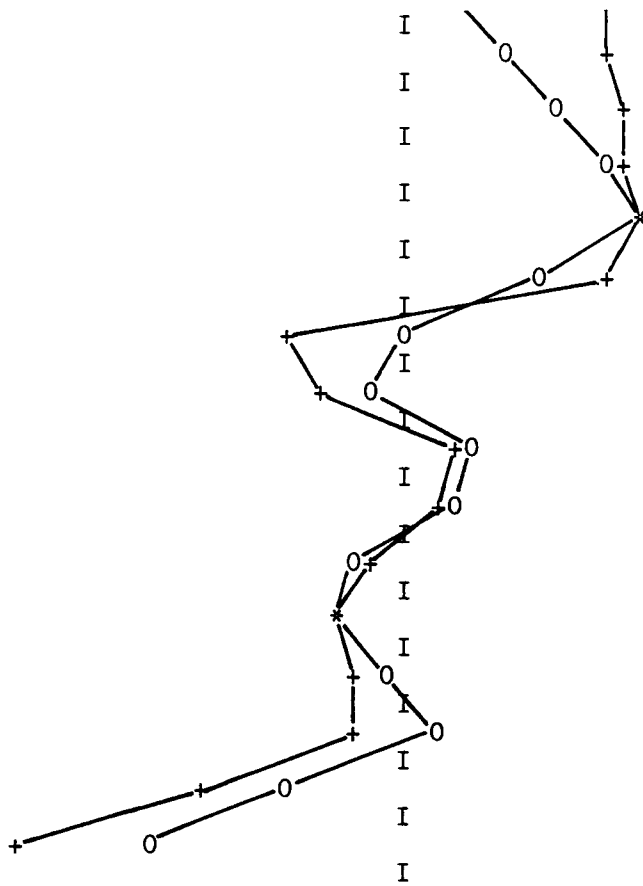
RAPITAN VLF - EM PROFILE: DIP ANGLES IN DEGREES

STN 1 IS SEATTLE

STN 2 IS ANNAPOLIS

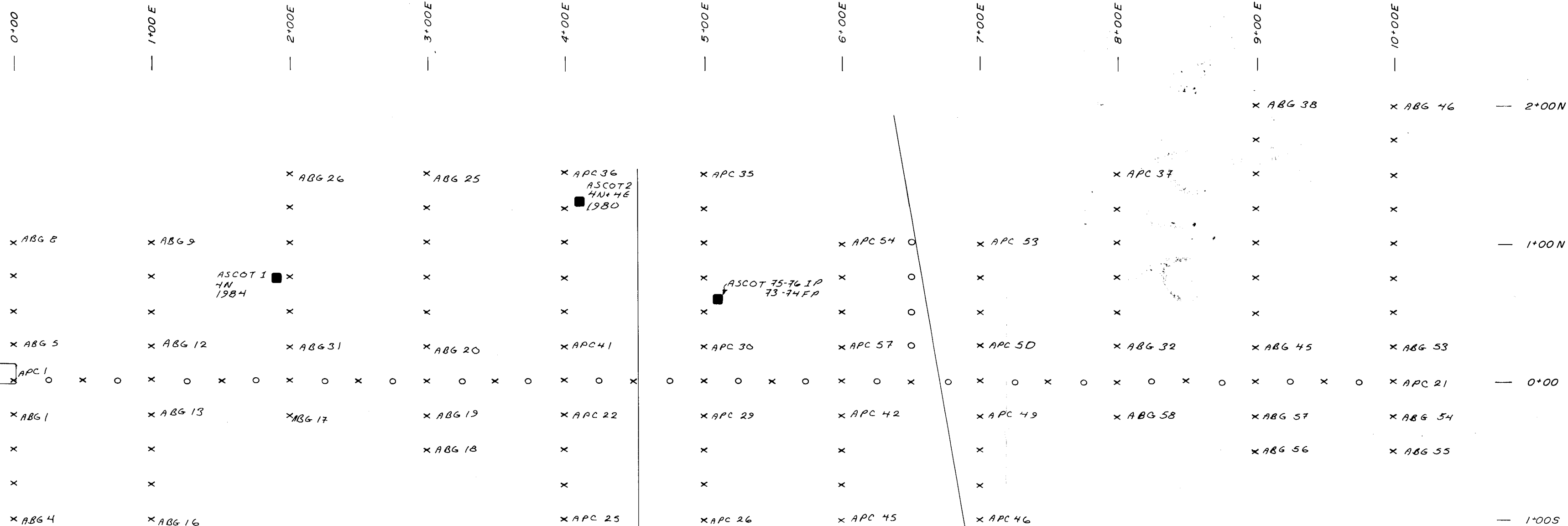


I  
650  
I  
675  
I  
700  
I  
725  
I  
750  
I  
775  
I  
800  
I  
825  
I  
850  
I  
875  
I  
900  
I  
925  
I  
950  
I  
975  
I  
1000  
I





TEXAS GULF  
EXPLORATION  
CAMP



LEGEND

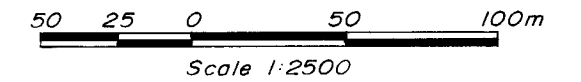
- X Soil & geophysical site
- O Geophysical site
- Legal corner post

CUT LINE

1984 E.M. LINE L 9

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

14,616  
9717



GEOSTAR MINING CORP.

**Sample Locations**

GRID I  
ASCOT PROJECT  
NTS: 93 L/15

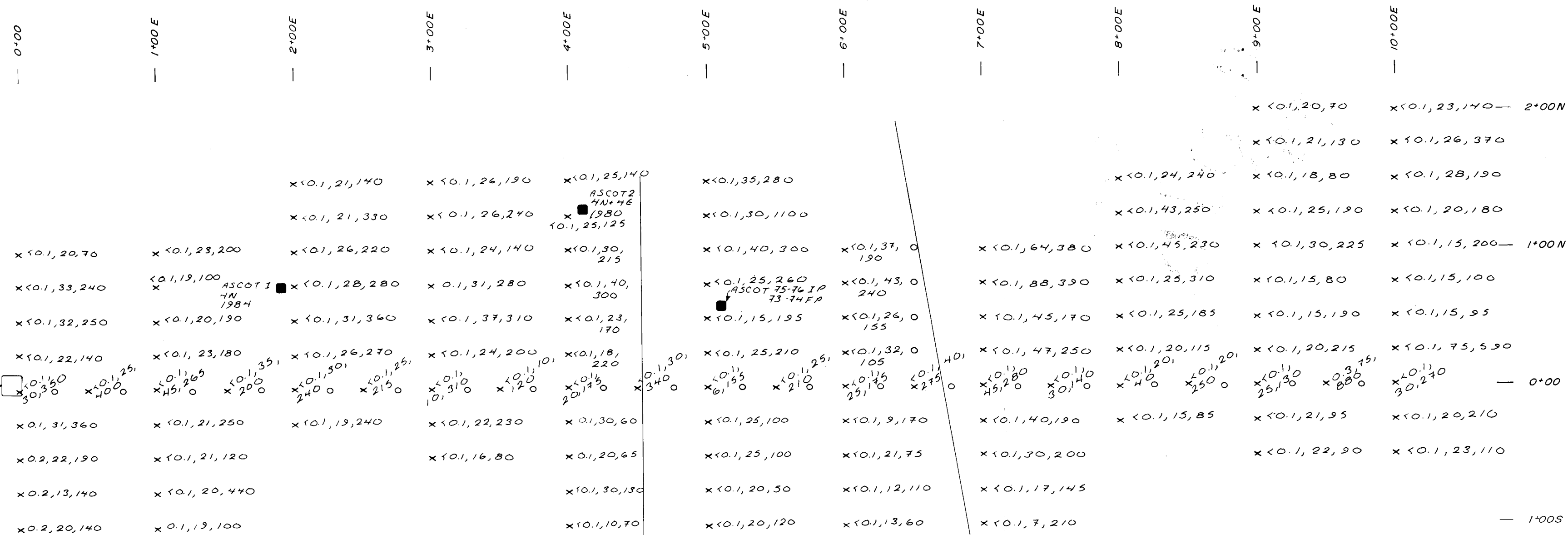
JAN., 1986 PLATE I A

P.A. Christopher & Associates Ltd.



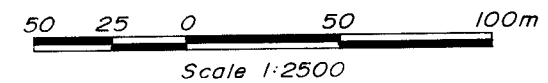


TEXAS GULF  
EXPLORATION  
CAMP



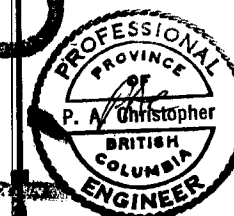
LEGEND

- x 0.1, 30, 60 Soil & geophysical site  
Ag ppm, Pb ppm, Zn ppm
- o Geophysical site
- Legal corner post



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14616**



GEOSTAR MINING CORP.

**Geochemical Plan**

**GRID I**

**ASCOT PROJECT**

**NTS: 93 L/15**

JAN., 1986

PLATE I B

P.A. Christopher & Associates Ltd.







DDH #1

— 0+00

— 1+00E

— 2+00E

APC114 x <0.1, 21, 490 — 5+00N

<0.1, 17, 650 x ASCOT I  
HE+HW  
(1984)

x <0.1, 10, 290

x 0.2, 19, 250

x <0.1, 16, 130 — 4+00N

x 0.4, 25, 690

x <0.1, 48, 240

x <0.1, 31, 240

x <0.1, 58, 180 — 3+00N

x <0.1, 63, 440

x <0.1, 43, 240

x 0.1, 47, 220

x <0.1, 24, 200 — 2+00N

x <0.1, 25, 260

x <0.1, 30, 210

x <0.1, 39, 1100

x <0.1, 32, 1400 — 1+00N

x 0.1, 30, 120

x <0.1, 17, 100

x <0.1, 17, 90

APC58 <0.1, 27, 140 CUT LINE

APC94

x <0.1, 22, 50 — 0+00

x <0.1, 28, 100

x <0.1, 22, 175

x <0.1, 28, 68

x <0.1, 25, 160

x <0.1, 29, 135

x <0.1, 23, 150

x <0.1, 29, 290

x <0.1, 29, 170 — 1+00S

x 0.1, 20, 280

x <0.1, 37, 185

x 14, 30, 400

x <0.1, 25, 160

x <0.1, 29, 420

x <0.1, 26, 260

x <0.1, 25, 290

x 0.1, 23, 290 — 2+00S

x <0.1, 22, 140

x <0.1, 25, 240

x <0.1, 17, 145

x <0.1, 25, 210

x 0.2, 24, 310

x <0.1, 135, 830

x <0.1, 24, 200

x <0.1, 20, 670 — 3+00S

x 1.0, 23, 300

x 1.4, 18, 940

x 0.2, 20, 240

x <0.1, 22, 100

x <0.1, 15, 300

x <0.1, 21, 120

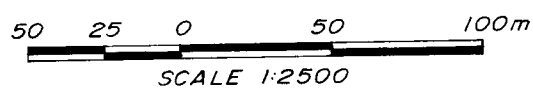
APC74 x <0.1, 14, 90 x <0.1, 14, 60

APC78

x 0.1, 19, 135 — 4+00S

x 0.1, 16, 230

x 0.1, 20, 280



x 0.2, 24, 200 Geochemical site  
Ag ppm, Pb ppm, Zn ppm

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

14,616

GEOSTAR MINING CORP.

Sample Numbers &  
Geochemical Plan

GRID II

ASCOT PROJECT

NTS:93 L/15

JAN., 1986

PLATE II

P.A. Christopher & Associates Ltd.