

84-#676 - 12703  
8/85

GEOPHYSICAL SURVEY

JASON-1 CLAIM

10 UNITS

WHIPSAW CREEK, PRINCETON AREA  
SIMILKAMEEN MINING DIVISION

92H/7E, 7W

49° 16' 120° 45'

FOR:

CONSORT ENERGY CORPORATION

406-475 HOWE STREET,  
VANCOUVER, B.C.

BY: ALEJO MARIANO Jr.

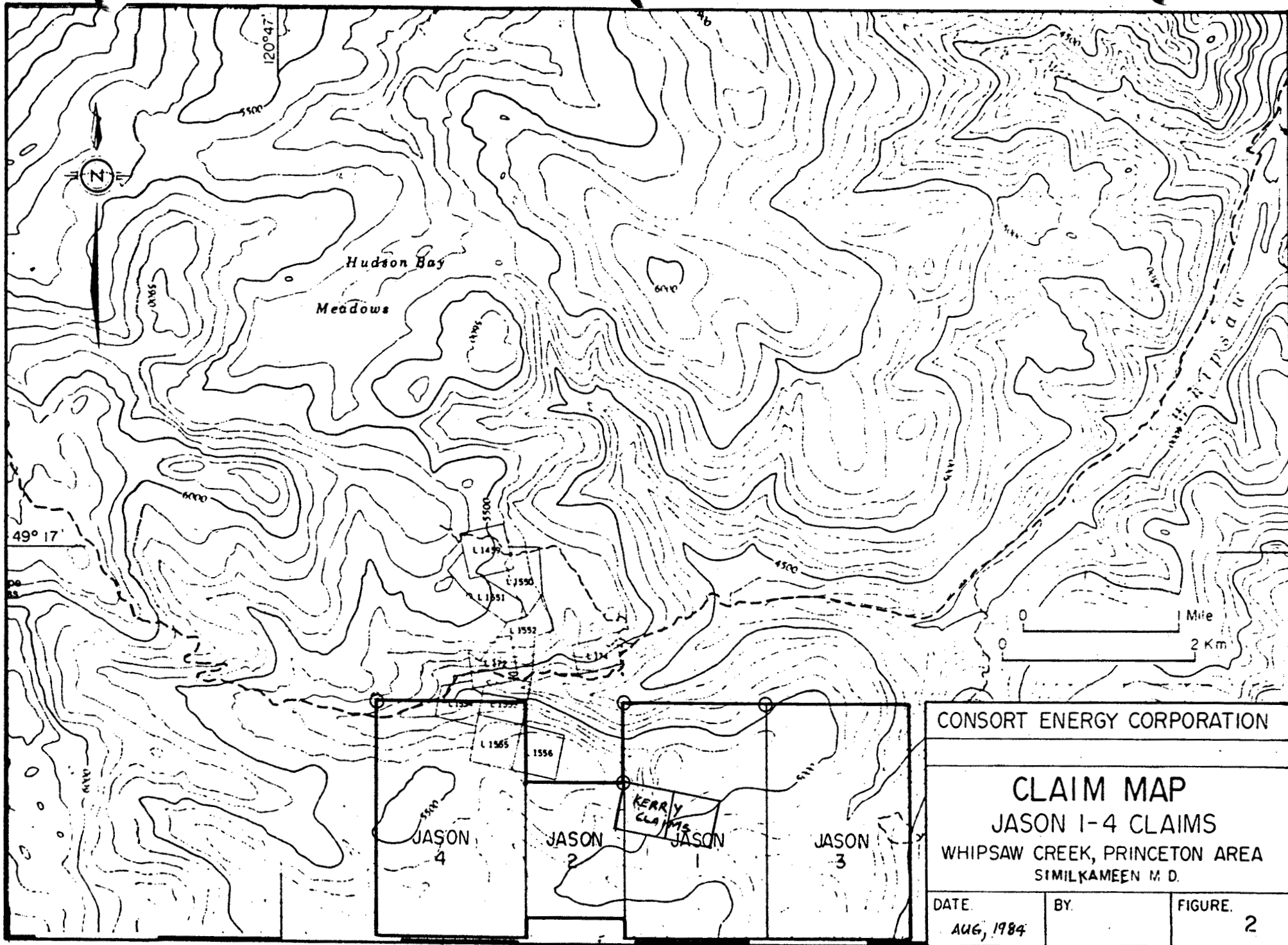
DATE: AUGUST 27, 1984

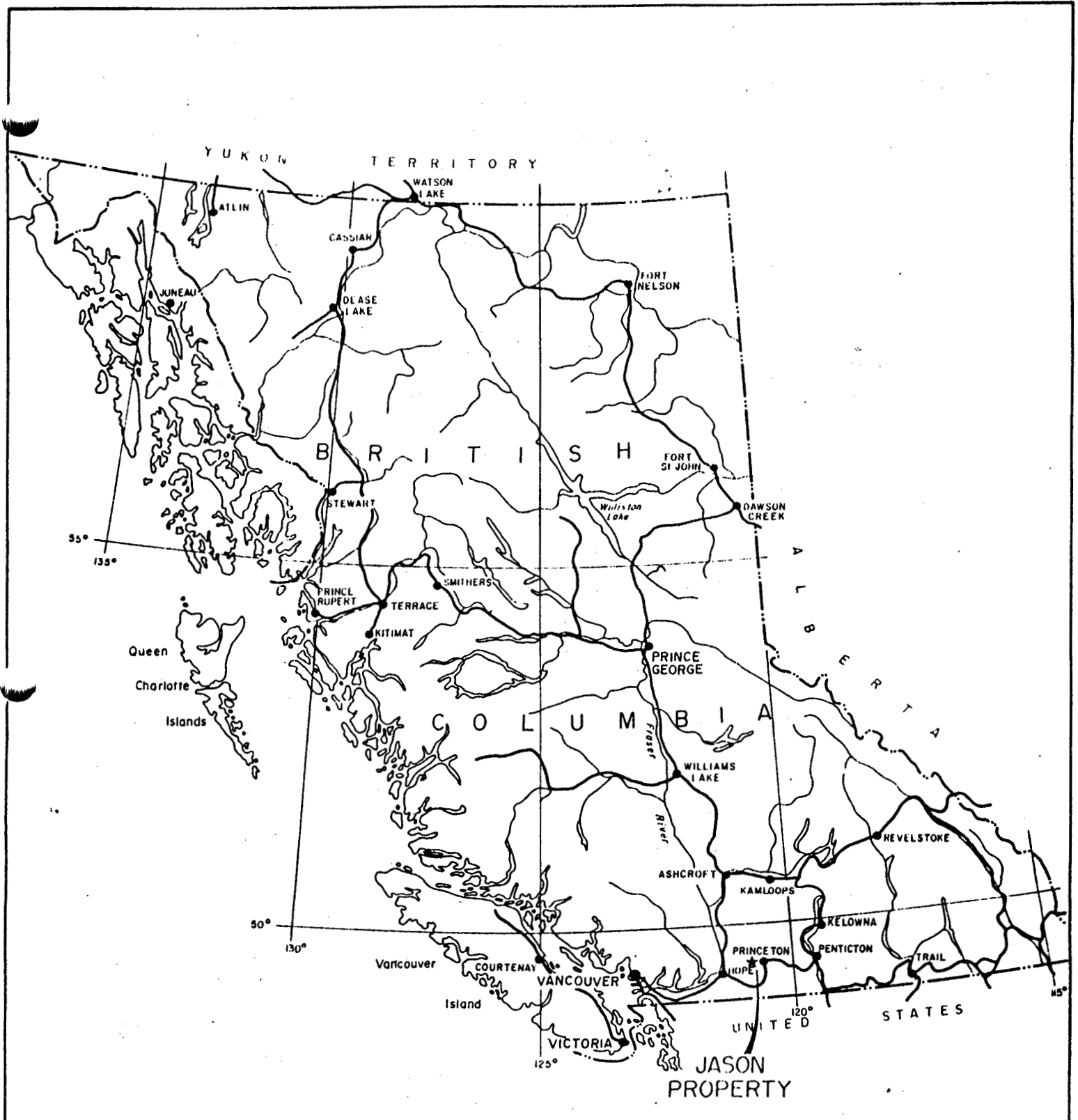
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**12,703**

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CONSORT ENERGY CORPORATION		
<p style="text-align: center;"><b>LOCATION MAP</b>  <b>JASON 1-4 CLAIMS</b>          WHIPSAW CREEK, PRINCETON AREA          SIMILKAMEEN M D.</p>		
DATE.	BY.	FIGURE
		1

## INTRODUCTION

The Jason-1 mineral claim (15 units) is 27 kilometer southwest of Princeton, B.C. and south of Whipsaw creek at 49° 15' 30" north latitude and 120° 43' 30" west longitude.

A geophysical survey (VLF-EM) was carried out over an established grid (13+00 to 19+00) from the previous year to trace the extent of a mineralized structure. The survey was a follow-up to the survey conducted on the property last June 1984 (0+00 to 12+00).

A fault structure, running north-south and containing mineralization of copper, lead, zinc, molybdenum, iron and trace gold, runs from the northwest corner and south to the middle area of the property. (Figure 3)

Four hundred and sixty-four VLF-EM observations were recorded.

## LOCATION AND ACCESS

The Jason-1 claim is located in southern B.C. approximately 27 kilometer southwest of Princeton. (Figure 1). It is situated immediately south of Whipsaw Creek, near its headwaters, approximately 17 km. upstream from its confluence with Similkameen River.

The property is very accessible by a well maintained gravel road named Whipsaw Creek Road which leaves Highway #3 15 km. south of Princeton. At approximately 20 km. from the highway, a steep 4-wheel drive road branches south, crosses Whipsaw creek and winds through the central part of the property. (Figure 3)

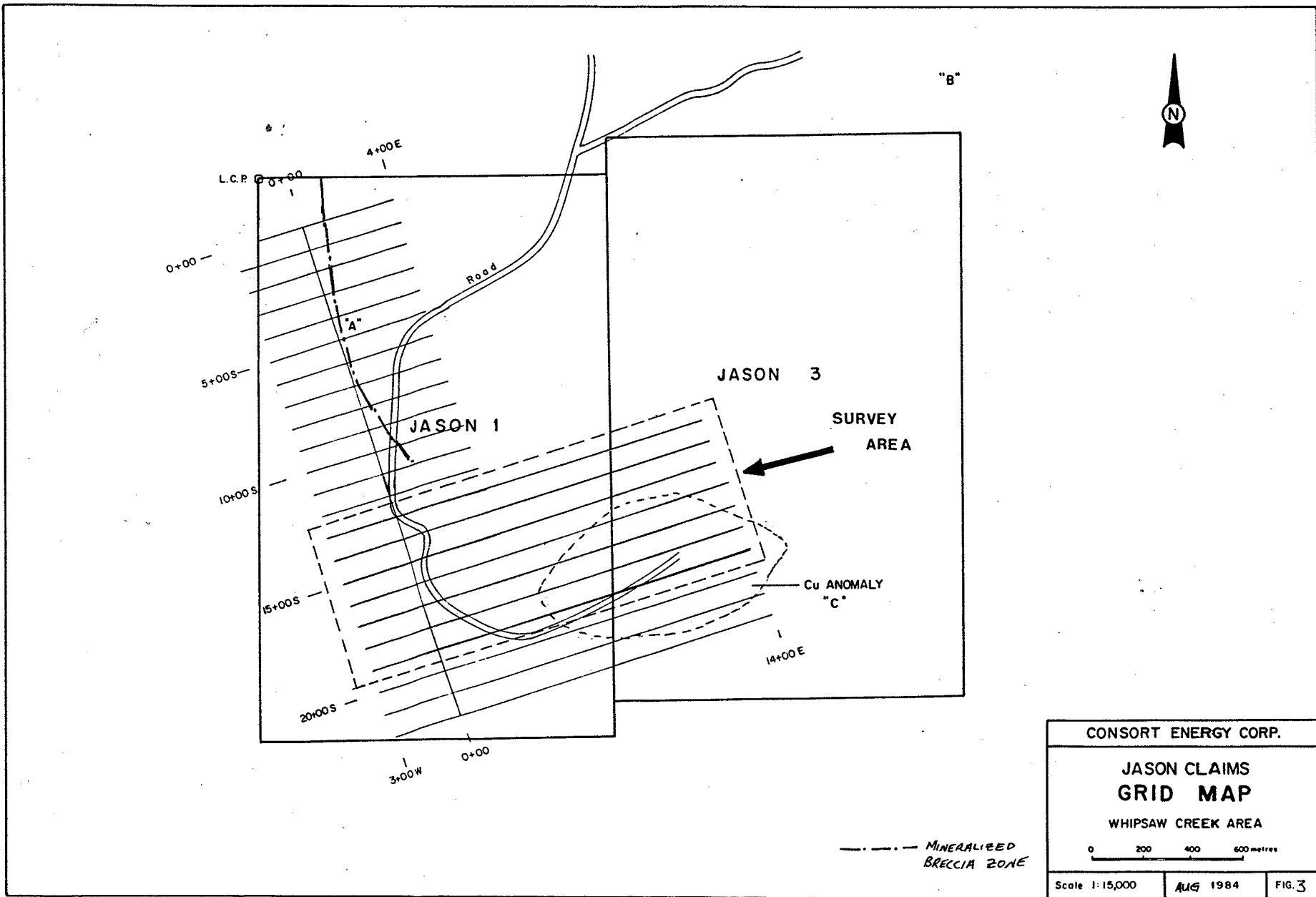
## PROPERTY

The legal corner post is just south of Whipsaw creek road and 75 meters directly west of the small mill constructed by Silvertip Explorations (1968-1977).

It comprises of three units East and five units South.

The registered owner of the property is Rem Ray Holdings Inc. of 1907-1177 West Hastings St., Vancouver, B.C.

Jason-1 is located on mineral claim map 92H/7E, record number 1694(8).



CONSORT ENERGY CORP.

**JASON CLAIMS  
GRID MAP**

WHIPSAW CREEK AREA

0 200 400 600 metres

Scale 1:15,000    AUG 1984    FIG. 3

## GEOLOGY

The Jason claims straddle the contact between the Upper Triassic Nicola Group volcanics and sediments and the Upper Jurassic Eagle granodiorite. Jason-1 is underlain by the Nicola Group rocks.

All of the old known mineral deposits in the general vicinity of the Jason claims are located within a belt of shearing that follows the east side of the Eagle granodiorite. The host rocks consist of chlorite-sericite and quartz-mica schists, metamorphosed members of the Nicola Group.

Mineralization consists of copper, lead, zinc, and iron sulfides and traces of gold. They occur in fault structures or in veins associated with them.

## GRID CONTROL

A base line was established from the legal corner post of Jason 1 by chaining out 290 meters at a bearing of 37° using a Brunton compass and a 50 meter nylon chain in the summer of 1983.

The survey was conducted over line 13+00 S to line 19+00 S. These lines are 100 meters apart and extend 1400 meters to east and 300 meters to the west.

Observations were taken at 25 meters interval.

## VLF-EM SURVEY

The survey was conducted on the property between August 16 and August 20 of 1984. A Ronka E.M.-16 electromagnetic detector was used. The transmitter VLF station at Seattle provided clear reception.

The primary horizontal field was measured and the in phase angles were determined and recorded. These were mapped on profiles of each of each grid line and are included in this report. (Appendix). The plotted profiles of the Fraser Filtered Data are illustrated in figure 4.

The purpose of the survey was to map out a possible extension of the fault structures containing the mineralization. Previous work indicates the structure to be running through geochemical anomaly A and possibly geochemical anomaly C. (Figure 3).

INTERPRETATION

The Fraser Filter method, (sum of the first two readings less the sum of the next two readings), was used to "smooth" out the raw data. The filtered data plotted as profiles (figure 4) was used for interpretation. Major cross-overs from positive to negative readings may indicate possible conductors or structures. Only the mid-points of the major cross-overs was interpreted to indicate structural features. Lines 13+00, 15+00, 16+00 and 19+00 showed the most prominent cross-overs between stations 1+00E to 3+00E. Similar to previous work (June, 1984) the structures were not picked up consistently over the whole survey.

The structure delineated on lines 13+00, 16+00 and 19+00 strike like northwest-southeast like the structure picked up on lines 15+00 at 1+50E with the latter being offset to the west by at least 50 meters. (Figure 5)

Two suparallel stuctures were delineated on the eastern area of the survey (8+00E to 14+00E). These structures may correspond to geochemical anomaly 'C', (figure3). Major cross-overs occurred on lines 13+00, 14+00, 15+00, 17+00 and 19+00. The traced structures on lines 13+00, 14+00 and 17+00 strike southeast similar to the structure delineated on the western portion of the property.

The structure occurring on the southeastern portion of the claim averages approximately 75 meters wide ( from positive to negative dip angle readings). Minor cross-overs may correspond to the copper anomaly identified from previous work.

Conclusion & Recommendations

The VLF-EM survey verified a possible extension of the north-south fault structure on the Jason-1 mineral claim.

The survey also traced out a northwest-southeast trending structure on the southeastern portion claim. The geochemical anomaly 'C' may be due this stucture.

The structure was found to respond very well to the electromagnetic survey, thus more VLF-EM work should be done to map out further extensions of the mineralized structure. A geochemical survey should be carried out along with the geophysical survey to better define the ineralized structures.



REFERENCES

1. A Report on the Jason 1-4 Claims; Harold M. Jones, P.Eng  
June, 1983
2. A Geological Report on the Jason I claim block; Robert  
Simpson, June, 1984.

CERTIFICATE

I am a graduate of the University of British Columbia,  
B.Sc. Majors Geology (1984).

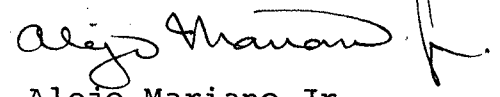
*Alejo*

Alejo Mariano Jr., Geologist.

ACCOUNTS

1. Geologist	\$125.00/day x 5 days	.....	625.00
	(+ Report)		
2. Assistant	100.0/day	.....	500.00
3. Truck/Gas	35.00/day	.....	175.00
4. Room&Board	45.00/day	.....	225.00
5. VLF-EM Rental	50.00/day	.....	250.00
6. Recording of work		.....	75.00
			<hr/>
		Total	\$1850.00

Respectfully Submitted by:



Alejo Mariano Jr.

APPENDIX

VLF EM-16 Survey

<u>Line</u>	<u>13+00 S'</u>	<u>degrees</u>	<u>Line</u>	<u>degrees</u>	
3	+00 W	-	8	+25 E	-49
2	+75 "	-	8	+50 "	+30
2	+50 "	-	8	+75 "	+25
2	+25 "	-	9	+00 "	+35
2	+00 "	-	9	+25 "	+35
1	+75 "	-	9	+50 "	+35
1	+50 "	-	9	+75 "	+20
1	+25 "	-	10	+00 "	+10
1	+00 "	+ 58	10	+25 "	+5
0	+75 "	+ 45	10	+50 "	+10
0	+50 "	+ 52	10	+75 "	+12
0	+25 "	+ 40	11	+00 "	+5
0	+00	+ 40	11	+25 "	0
			11	+50 "	+5
0	+25 E	+ 45	11	+75 "	+2
0	+50 "	+ 25	12	+00 "	+15
0	+75 "	+ 35	12	+25 "	+15
1	+00 "	+ 40	12	+50 "	+20
1	+25 "	- 55	12	+75 "	+10
1	+50 "	- 60	13	+00 "	+15
1	+75 "	- 60	13	+25 "	+15
2	+00 "	- 30	13	+50 "	+8
2	+25 "	- 25	13	+75 "	+22
2	+50 "	- 50	14	+00 "	+14
2	+75 "	- 45			
3	+00 "	- 30			
3	+25 "	- 45			
3	+50 "	- 52			
3	+75 "	- 50			
4	+00 "	- 45			
4	+25 "	- 56			
4	+50 "	- 48			
4	+75 "	- 45			
5	+00 "	+ 30			
5	+25 "	+ 25			
5	+50 "	+ 18			
5	+75 "	+ 22			
6	+00 "	+ 40			
6	+25 "	+ 25			
6	+50 "	- 30			
6	+75 "	- 40			
7	+00 "	- 45			
7	+25 "	- 50			
7	+50 "	- 48			
7	+75 "	- 46			
8	+00 "	- 55			

VLF EM-16 Survey

<u>Line 14+00 S'</u>	<u>degrees</u>	<u>Line</u>	<u>degrees</u>
3 + 00 W	-42	8 + 25 E	+5
2 + 75 "	-48	8 + 50 "	+15
2 + 50 "	-28	8 + 75 "	+20
2 + 25 "	-28	9 + 00 "	+22
2 + 00 "	-30	9 + 25 "	+15
1 + 75 "	-20	9 + 50 "	+5
1 + 50 "	-20	9 + 75 "	+10
1 + 25 "	+45	10 + 00 "	+13
1 + 00 "	+45	10 + 25 "	+10
0 + 75 "	+42	10 + 50 "	+40
0 + 50 "	+40	10 + 75 "	+42
0 + 25 "	+2	11 + 00 "	+35
0 + 00 "	-30	11 + 25 "	+40
		11 + 50 "	-28
0 + 25 E	-32	11 + 75 "	-25
0 + 50 "	-22	12 + 00 "	-23
0 + 75 "	-20	12 + 25 "	-20
1 + 00 "	-15	12 + 50 "	-10
1 + 25 "	-15	12 + 75 "	-10
1 + 50 "	-20	13 + 00 "	-30
1 + 75 "	-18	13 + 25 "	-30
2 + 00 "	-18	13 + 50 "	-35
2 + 25 "	-15	13 + 75 "	-38
2 + 50 "	-8	14 + 00 "	-40
2 + 75 "	-5		
3 + 00 "	-8		
3 + 25 "	+5		
3 + 50 "	+5		
3 + 75 "	+30		
4 + 00 "	+38		
4 + 25 "	+38		
4 + 50 "	+15		
4 + 75 "	+15		
5 + 00 "	+40		
5 + 25 "	+8		
5 + 50 "	+5		
5 + 75 "	+8		
6 + 00 "	+8		
6 + 25 "	+12		
6 + 50 "	-20		
6 + 75 "	-5		
7 + 00 "	-9		
7 + 25 "	-5		
7 + 50 "	-5		
7 + 75 "	-9		
8 + 00 "	+2		

VLF EM-16 Survey

<u>Line</u> 15+00 S'	<u>degrees</u>	<u>Line</u>	<u>degrees</u>
3 + 00 W	-25	9 + 00 E	+5
2 + 75 "	-20	9 + 25 "	+5
2 + 50 "	-28	9 + 50 "	-30
2 + 25 "	-30	9 + 75 "	-38
2 + 00 "	-30	10 + 00 "	-35
1 + 75 "	-21	10 + 25 "	-35
1 + 50 "	-22	10 + 50 "	-45
1 + 25 "	-12	10 + 75 "	-35
1 + 00 "	-18	11 + 00 "	-38
0 + 75 "	-15	11 + 25 "	+40
0 + 50 "	+7	11 + 50 "	+45
0 + 25 "	+3	11 + 75 "	-38
0 + 00 "	+2	12 + 00 "	-40
		12 + 25 "	-45
0 + 25 E	0	12 + 50 "	-40
0 + 50 "	+5	12 + 75 "	-30
0 + 75 "	+15	13 + 00 "	-39
1 + 00 "	+30	13 + 25 "	-36
1 + 25 "	+35	13 + 50 "	-39
1 + 50 "	+40	13 + 75 "	-39
1 + 75 "	+45	14 + 00 "	-31
2 + 00 "	+45		
2 + 25 "	+45		
2 + 50 "	+15		
2 + 75 "	+7		
3 + 00 "	+15		
3 + 25 "	+9		
3 + 50 "	+5		
3 + 75 "	0		
4 + 00 "	+25		
4 + 25 "	+5		
4 + 50 "	+5		
4 + 75 "	+5		
5 + 00 "	+40		
5 + 25 "	+25		
5 + 50 "	+20		
5 + 75 "	-30		
6 + 00 "	-20		
6 + 25 "	-5		
6 + 50 "	-30		
6 + 75 "	-15		
7 + 00 "	-20		
7 + 25 "	-25		
7 + 50 "	-28		
7 + 75 "	-5		
8 + 00 "	-5		
8 + 25 "	+15		
8 + 50 "	+5		
8 + 75 "	+5		

VLF EM-16 Survey

<u>Line 16+00 S'</u>	<u>degrees</u>	<u>Line</u>	<u>degrees</u>
3 + 00 W	+40	9 + 00 E	+30
2 + 75 "	+35	9 + 25 "	+20
2 + 50 "	+35	9 + 50 "	+32
2 + 25 "	+35	9 + 75 "	+38
2 + 00 "	+40	10 + 00 "	+2
1 + 75 "	+35	10 + 25 "	+35
1 + 50 "	+10	10 + 50 "	+30
1 + 25 "	+45	10 + 75 "	-30
1 + 00 "	+35	11 + 00 "	-8
0 + 75 "	+15	11 + 25 "	-25
0 + 50 "	+10	11 + 50 "	-29
0 + 25 "	+8	11 + 75 "	-29
0 + 00 "	+2	12 + 00 "	-38
		12 + 25 "	-30
0 + 25 E	-20	12 + 50 "	-35
0 + 50 "	-10	12 + 75 "	-38
0 + 75 "	-8	13 + 00 "	-38
1 + 00 "	-2	13 + 25 "	-30
1 + 25 "	0	13 + 50 "	-45
1 + 50 "	+2	13 + 75 "	-42
1 + 75 "	-8	14 + 00 "	-30
2 + 00 "	-10		
2 + 25 "	-10		
2 + 50 "	-8		
2 + 75 "	-5		
3 + 00 "	+10		
3 + 25 "	-50		
3 + 50 "	-48		
3 + 75 "	-35		
4 + 00 "	-25		
4 + 25 "	-20		
4 + 50 "	-20		
4 + 75 "	-25		
5 + 00 "	-21		
5 + 25 "	-30		
5 + 50 "	-28		
5 + 75 "	-28		
6 + 00 "	-18		
6 + 25 "	-20		
6 + 50 "	-7		
6 + 75 "	-3		
7 + 00 "	-2		
7 + 25 "	-5		
7 + 50 "	-2		
7 + 75 "	+5		
8 + 00 "	+6		
8 + 25 "	+4		
8 + 50 "	+30		
8 + 75 "	+28		



VLF EM-16 Survey

<u>Line 17+00 S'</u>	<u>degrees</u>	<u>Line</u>	<u>degrees</u>
3 + 00 W		9 + 00 E	-35
2 + 75 "		9 + 25 "	-25
2 + 50 "		9 + 50 "	-30
2 + 25 "		9 + 75 "	-30
2 + 00 "	-35	10 + 00 "	-30
1 + 75 "	-15	10 + 25 "	-35
1 + 50 "	-10	10 + 50 "	-30
1 + 25 "	-15	10 + 75 "	-20
1 + 00 "	-10	11 + 00 "	-32
0 + 75 "	-15	11 + 25 "	-35
0 + 50 "	-20	11 + 50 "	-38
0 + 25 "	-20	11 + 75 "	-30
0 + 00 "	-28	12 + 00 "	+5
0 + 25 E	-32	12 + 25 "	+15
0 + 50 "	-30	12 + 50 "	+30
0 + 75 "	-35	12 + 75 "	+20
1 + 00 "	-32	13 + 00 "	+20
1 + 25 "	-25	13 + 25 "	+22
1 + 50 "	-35	13 + 50 "	+20
1 + 75 "	-35	13 + 75 "	+15
2 + 00 "	-35	14 + 00 "	+20
2 + 25 "	-35		
2 + 50 "	-40		
2 + 75 "	-45		
3 + 00 "	-30		
3 + 25 "	-45		
3 + 50 "	-40		
3 + 75 "	-45		
4 + 00 "	-42		
4 + 25 "	-40		
4 + 50 "	-38		
4 + 75 "	-32		
5 + 00 "	-40		
5 + 25 "	-40		
5 + 50 "	-40		
5 + 75 "	-40		
6 + 00 "	-45		
6 + 25 "	-40		
6 + 50 "	-45		
6 + 75 "	-30		
7 + 00 "	-35		
7 + 25 "	-35		
7 + 50 "	-35		
7 + 75 "	-30		
8 + 00 "	-30		
8 + 25 "	-35		
8 + 50 "	-30		
8 + 75 "	-35		

VLF EM-16 Survey

<u>Line 18+00 S'</u>	<u>degrees</u>	<u>Line</u>	<u>degrees</u>
3 + 00 W	-10	9 + 00 E	-24
2 + 75 "	-5	9 + 25 "	-35
2 + 50 "	-20	9 + 50 "	-40
2 + 25 "	-38	9 + 75 "	-15
2 + 00 "	-30	10 + 00 "	-18
1 + 75 "	-35	10 + 25 "	-20
1 + 50 "	-45	10 + 50 "	-23
1 + 25 "	-35	10 + 75 "	-28
1 + 00 "	-40	11 + 00 "	-45
0 + 75 "	+30	11 + 25 "	-30
0 + 50 "	+15	11 + 50 "	-20
0 + 25 "		11 + 75 "	-12
0 + 00 "	+30	12 + 00 "	+10
		12 + 25 "	+15
0 + 25 E	+40	12 + 50 "	+14
0 + 50 "	+35	12 + 75 "	+20
0 + 75 "	+35	13 + 00 "	+35
1 + 00 "	+30	13 + 25 "	+30
1 + 25 "	-32	13 + 50 "	+32
1 + 50 "	-30	13 + 75 "	+20
1 + 75 "	-38	14 + 00 "	+25
2 + 00 "	-35		
2 + 25 "	+30		
2 + 50 "	+35		
2 + 75 "	+20		
3 + 00 "	+37		
3 + 25 "	+35		
3 + 50 "	+40		
3 + 75 "	+45		
4 + 00 "	+30		
4 + 25 "	+40		
4 + 50 "	+40		
4 + 75 "	-38		
5 + 00 "	-30		
5 + 25 "	-30		
5 + 50 "	-35		
5 + 75 "	-35		
6 + 00 "	-40		
6 + 25 "	+30		
6 + 50 "	+30		
6 + 75 "	-40		
7 + 00 "	-35		
7 + 25 "	-30		
7 + 50 "	-30		
7 + 75 "	-35		
8 + 00 "	-30		
8 + 25 "	-35		
8 + 50 "	-25		
8 + 75 "	-30		

VLF EM-16 Survey

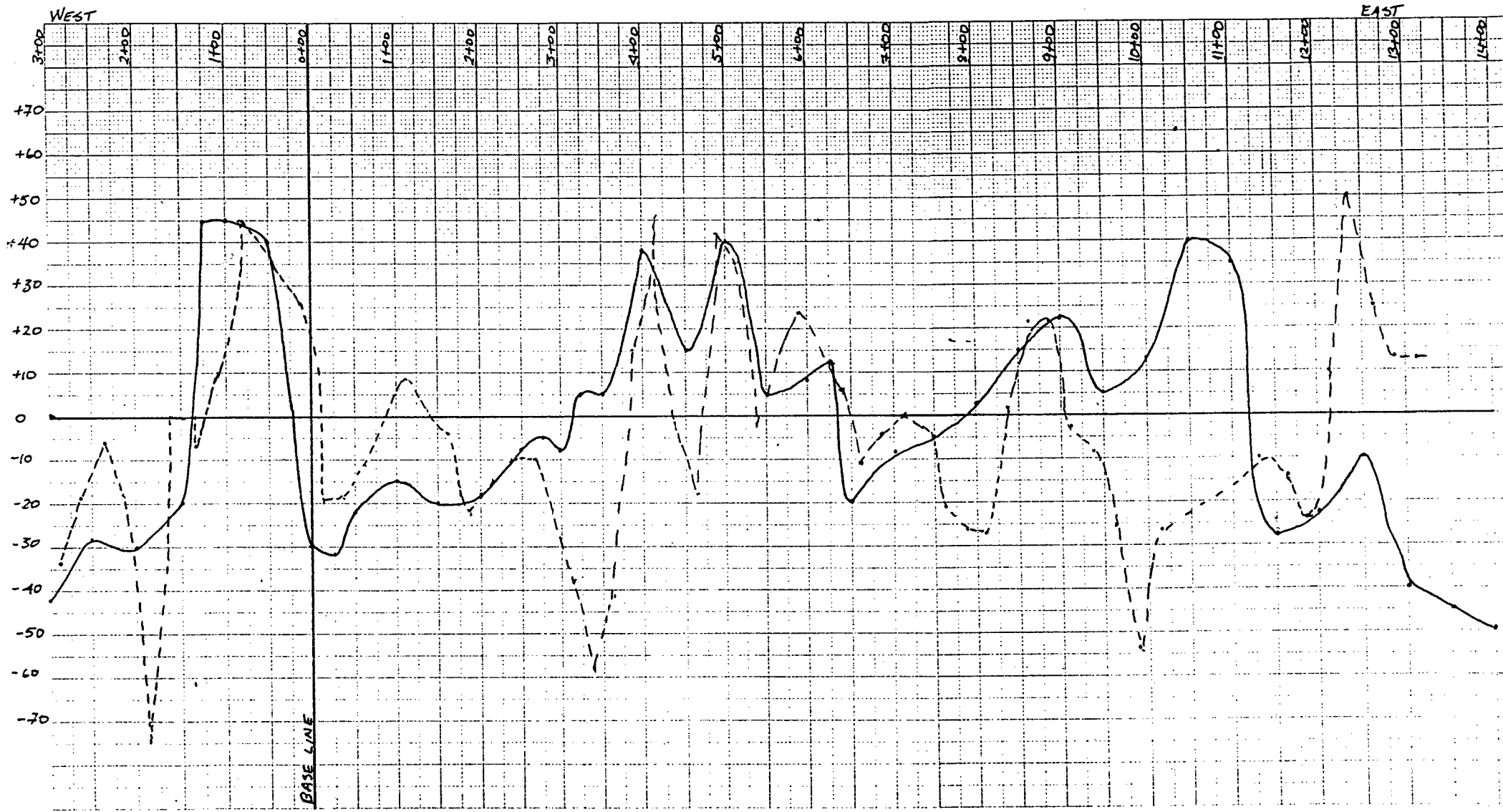
<u>Line 19+00 S'</u>	<u>degrees</u>	<u>Line</u>	<u>degrees</u>
3 + 00 W	-30	9 + 00 E	-45
2 + 75 "	-35	9 + 25 "	-40
2 + 50 "	-40	9 + 50 "	-40
2 + 25 "	-30	9 + 75 "	-40
2 + 00 "	-30	10 + 00 "	-40
1 + 75 "	+32	10 + 25 "	-40
1 + 50 "	+45	10 + 50 "	-45
1 + 25 "	+35	10 + 75 "	-30
1 + 00 "	+45	11 + 00 "	-40
0 + 75 "	+35	11 + 25 "	-30
0 + 50 "	-32	11 + 50 "	-32
0 + 25 "	-40	11 + 75 "	+45
0 + 00 "	-18	12 + 00 "	+45
		12 + 25 "	+35
0 + 25 E	-15	12 + 50 "	+38
0 + 50 "	-30	12 + 75 "	+40
0 + 75 "	-20	13 + 00 "	-40
1 + 00 "	-24	13 + 25 "	-38
1 + 25 "	-37	13 + 50 "	-38
1 + 50 "	-34	13 + 75 "	-40
1 + 75 "	-24	14 + 00 "	-45
2 + 00 "	-38		
2 + 25 "	-38		
2 + 50 "	-15		
2 + 75 "	-5		
3 + 00 "	-20		
3 + 25 "	-5		
3 + 50 "	+40		
3 + 75 "	+45		
4 + 00 "	+30		
4 + 25 "	-30		
4 + 50 "	-37		
4 + 75 "	-34		
5 + 00 "	-34		
5 + 25 "	-30		
5 + 50 "	-40		
5 + 75 "	-35		
6 + 00 "	-30		
6 + 25 "	-34		
6 + 50 "	+37		
6 + 75 "	+35		
7 + 00 "	+40		
7 + 25 "	+50		
7 + 50 "	+55		
7 + 75 "	+55		
8 + 00 "	+55		
8 + 25 "	+45		
8 + 50 "	+40		
8 + 75 "	+30		



13+00 s'

JASON - 1  
EM PROFILES  
Aug 22, 1984

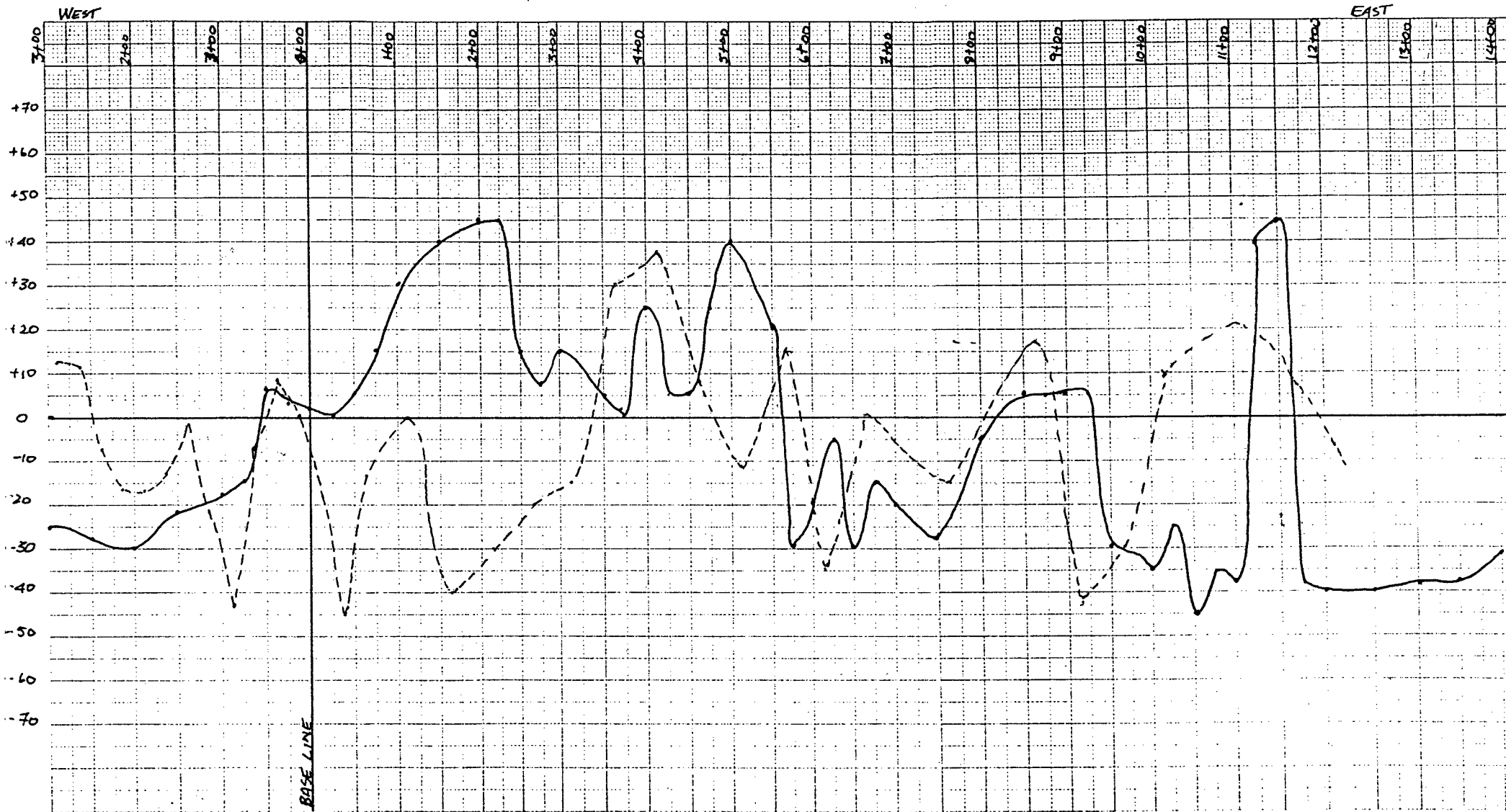
----- QUADRATURE ----- IN PHASE



14+00 S'

JASON - 1  
EM PROFILES  
Aug 22, 1984

--- IN PHASE



15 +00 S'

JASON - 1  
EM PROFILES  
Aug 22, 1984

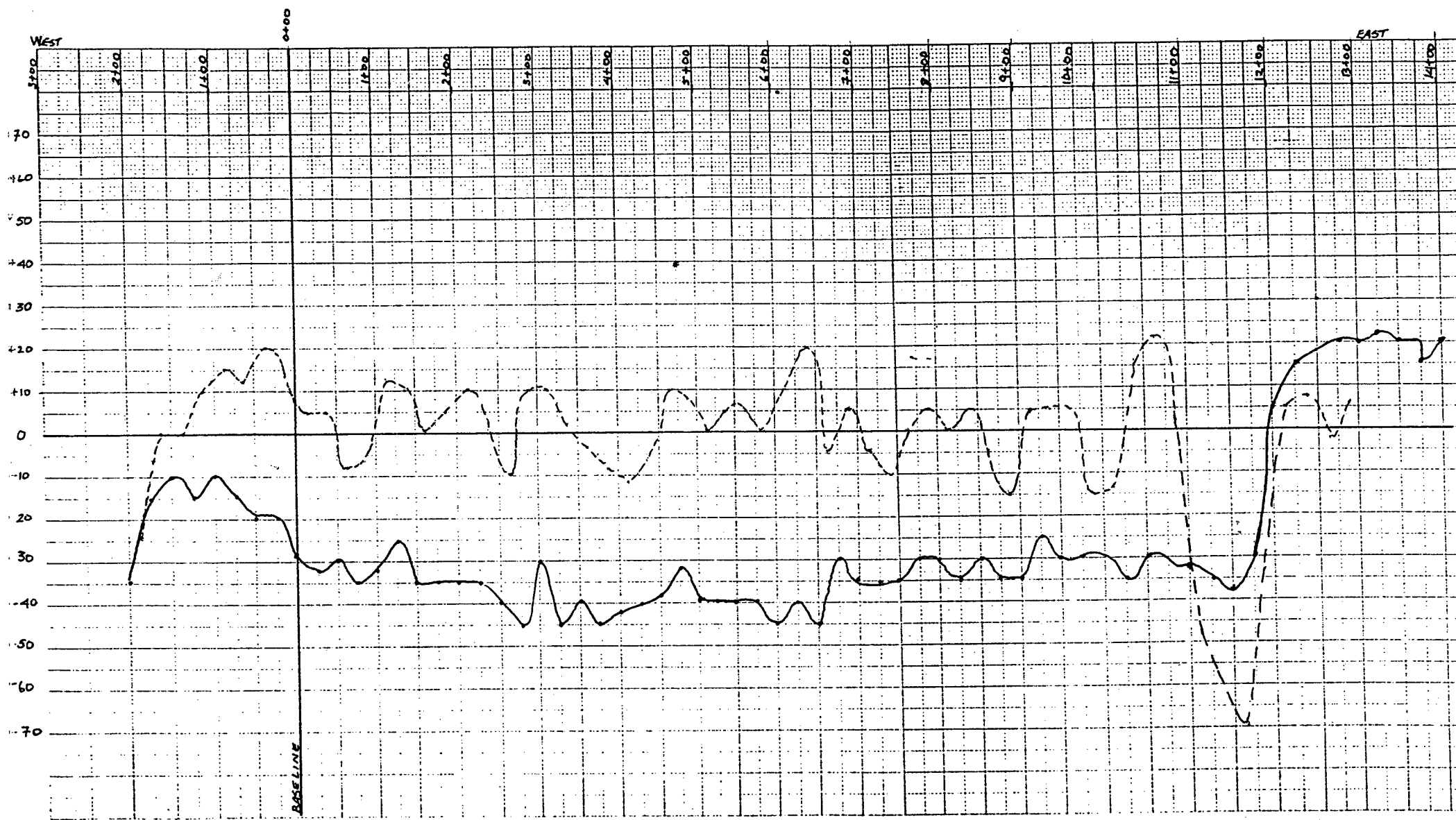
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— IN PHASE



16+00 S'

JASON-1  
EM PROFILES  
Aug 22, 1984

--- QUADRATURE --- IN PHASE

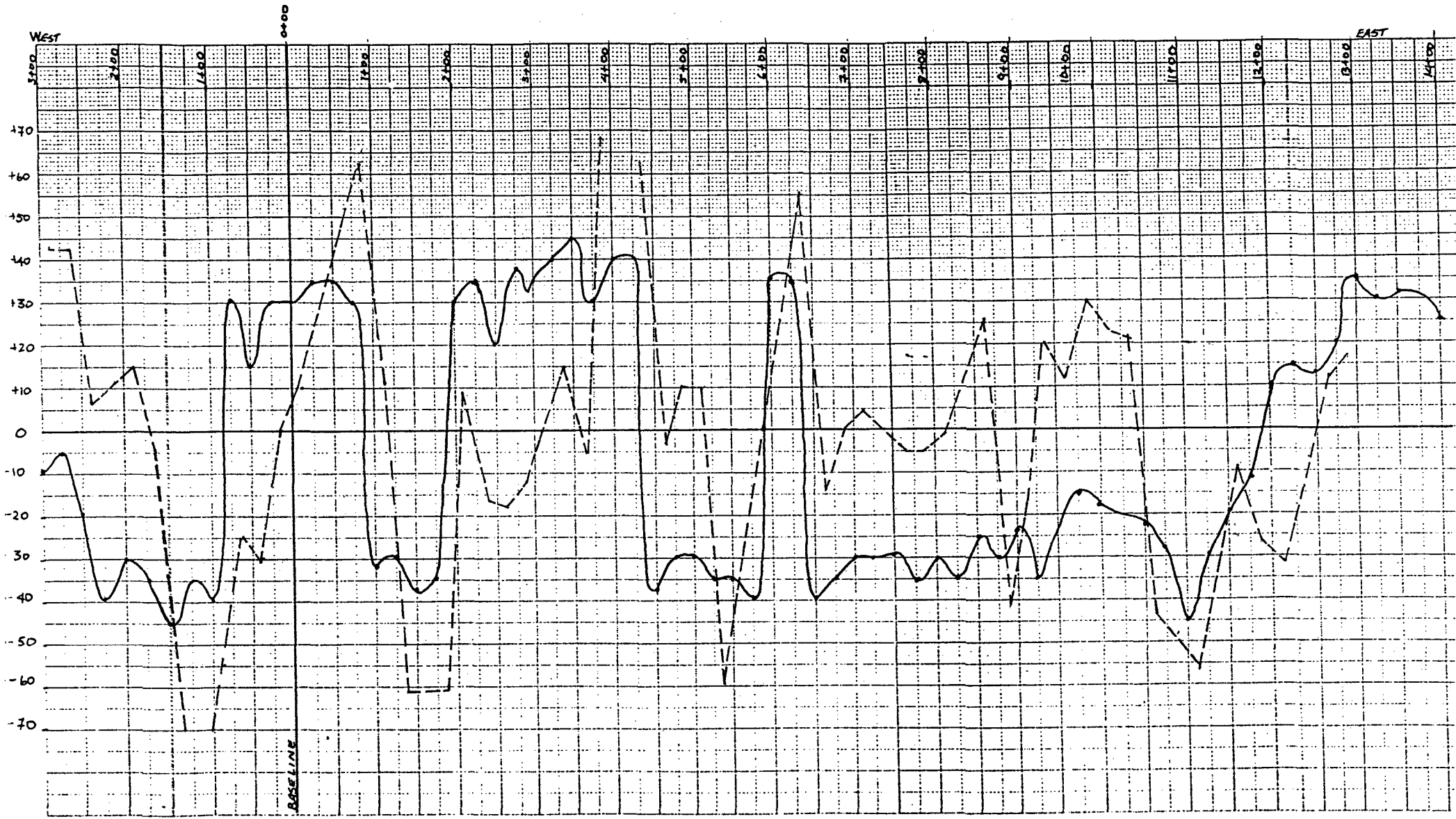


17 + 00 S'

JASON - 1  
EM PROFILES  
Aug 22, 1984

--- QUADRATURE --- in PHASE



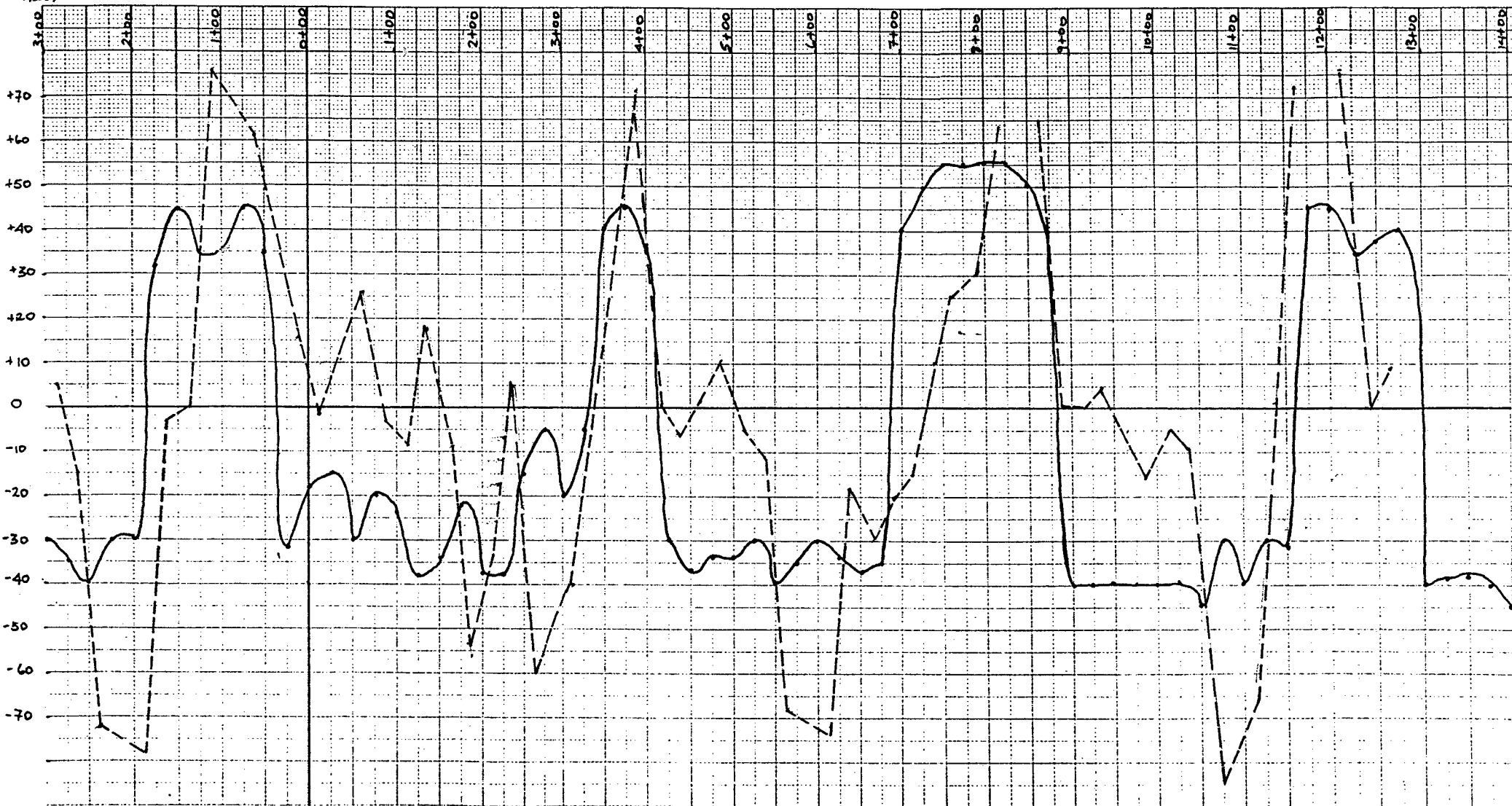


18 + 00 S'

JASON - 1  
EM PROFILES  
Aug 22, 1984

--- QUADRATURE --- IN PHASE

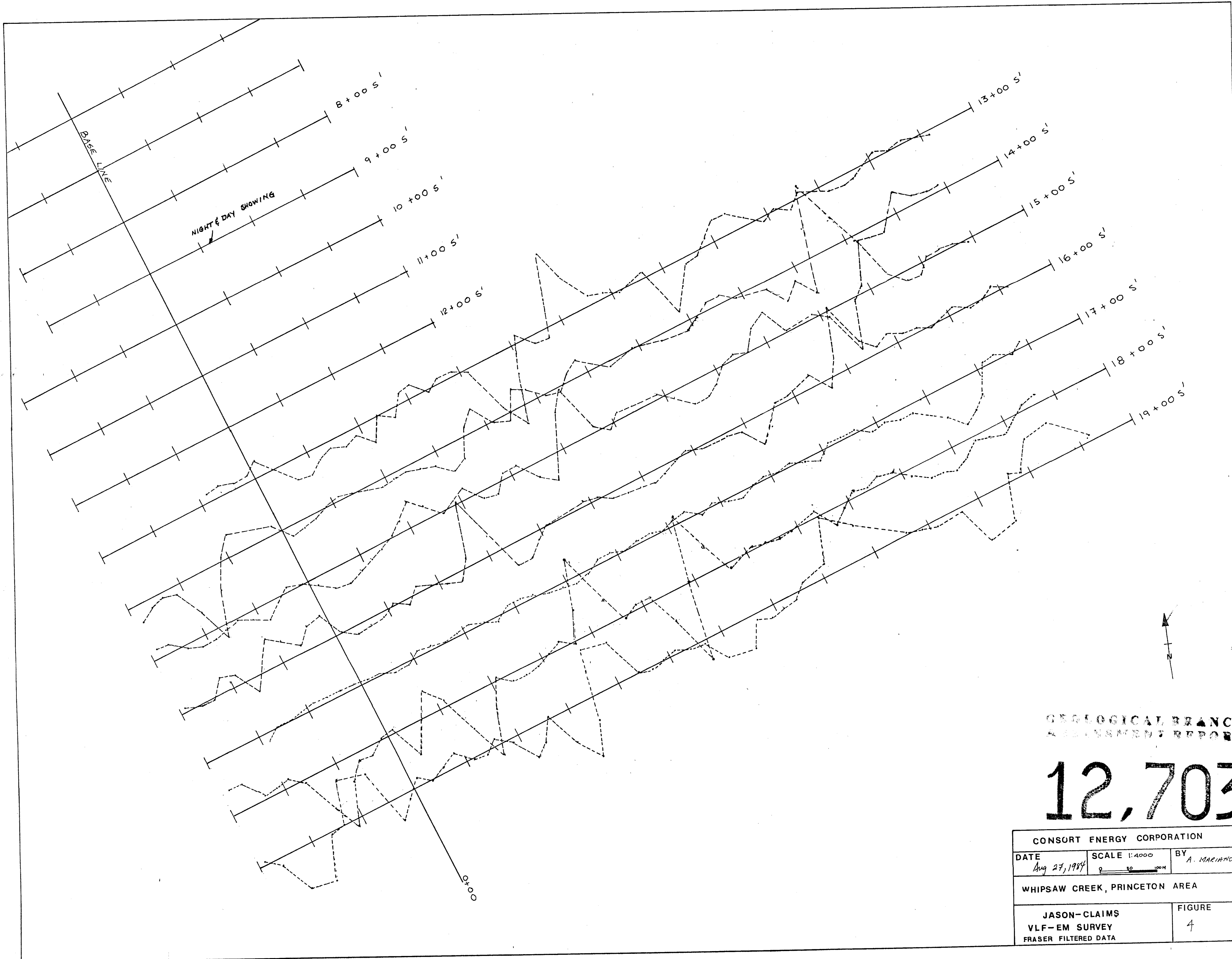
WEST



19+00.5'

JASON-1  
EM PROFILES  
Aug 22, 1984

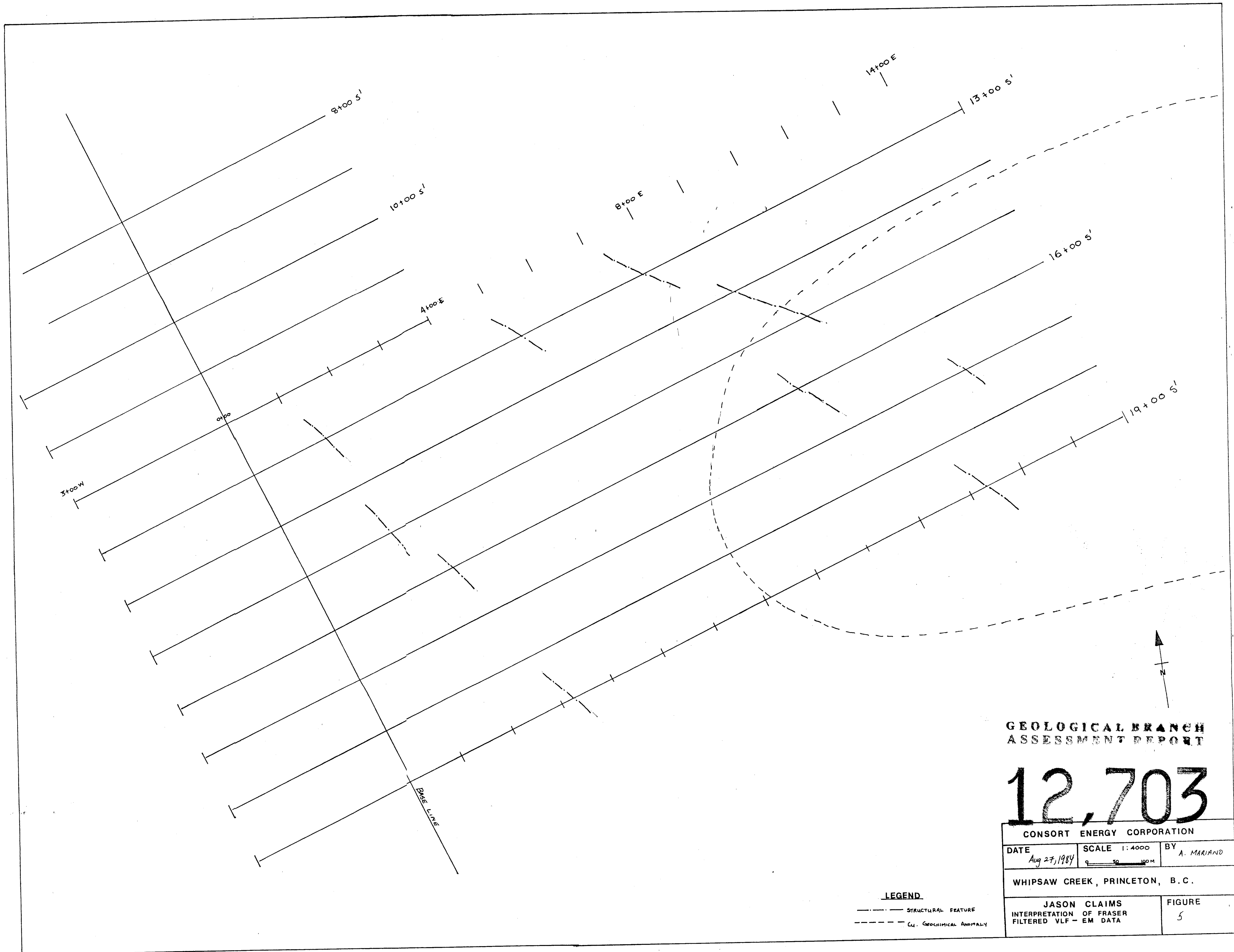
--- QUADRATURE — IN PHASE



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**12,703**

CONSURT ENERGY CORPORATION		
DATE Aug 27, 1988	SCALE 1:4000 0 50 100 M	BY A. MARIANO
WHIPSAW CREEK, PRINCETON AREA		
JASON-CLAIMS VLF-EM SURVEY FRASER FILTERED DATA	FIGURE 4	



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**12,703**

CONSORT ENERGY CORPORATION		
DATE Aug 27, 1984	SCALE 1:4000 0 50 100M	BY A. MARIANO
WHIPSAW CREEK, PRINCETON, B. C.		
JASON CLAIMS INTERPRETATION OF FRASER FILTERED VLF - EM DATA		FIGURE 5

**LEGEND**  
 - - - - - STRUCTURAL FEATURE  
 - - - - - GEOCHEMICAL ANOMALY