

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 89.07.29

ASSESSMENT REPORT 17998

MINING DIVISION: Victoria

PROPERTY: Blue Jay  
LOCATION: LAT 48 32 30 LONG 123 50 00  
UTM 10 5376623 438488  
NTS 092B12W  
CLAIM(S): Blue Jay  
OPERATOR(S): Milwarde-Yates, D.  
AUTHOR(S): Milwarde-Yates, D.  
REPORT YEAR: 1988, 47 Pages

GEOLOGICAL

SUMMARY: The property is underlain by the Leech River Complex which consists of metamorphosed pelites, schists, sandstones and volcanic rocks of Late Jurassic to Cretaceous age. Lithologic types present in the general area include amphibolites, metasandstones, metapelites and phyllites.

WORK

DONE: Geophysical  
EMGR 19.4 km;VLF



Province of  
British Columbia

Ministry of  
Energy, Mines and  
Petroleum Resources

ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) <b>GEOPHYSICAL ~ VLF-EM SURVEY</b>	TOTAL COST
--	------------

AUTHOR(S) **DEV. MILWARDE-YATES** SIGNATURE(S) *Dev. Milwarde-Yates*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED **JULY 29<sup>th</sup>, 1988** YEAR OF WORK **1988**

PROPERTY NAME(S) **BLUE JAY 1549 (7)**

COMMODITIES PRESENT

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION **VICTORIA** NTS **92B/12**

LATITUDE **48°-32'-30"** LONGITUDE **123°-50'-00"**

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units), PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

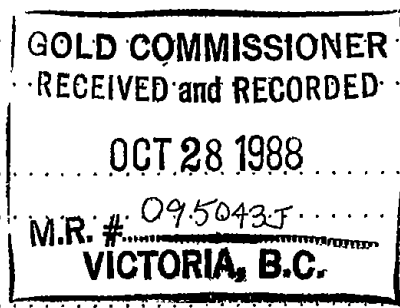
**BLUE JAY (9 UNITS)**

OWNER(S)  
(1) **D. MILWARDE-YATES** (2)

MAILING ADDRESS  
**6059 MEDIA DRIVE  
R.R.3, SOOKE B.C. V0S 1N0**

OPERATOR(S) (that is, Company paying for the work)  
(1) **as above** (2)

MAILING ADDRESS  
**as above**



SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):  
The Leech River complex consists of metamorphosed pelites, schists, sandstones & volcanic rocks of late Jurassic to Cretaceous age. Lithologic types present in the general area include amphibolites, metasandstones, metapelites & phyllites.

REFERENCES TO PREVIOUS WORK

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale area)	Ground		
CROPHYSICAL (line-kilometres)	Photo		
GEOLOGICAL (scale area)	Ground	BLUE JAY	\$ 3,600.00
Magnetic	VLF-EM Survey, 9 units		
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)	Soil		
	Silt		
	Rock		
	Other		
DRILLING (total metres, number of holes, size)	Core		
	Non-core		
RELATED TECHNICAL	Sampling/assaying		
	Petrographic		
	Mineralogic		
	Metallurgic		
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL	Legal surveys (scale, area)		
	Topographic (scale, area)		
	Photogrammetric (scale, area)		
	Line/grid (kilometres)		
	Road, local access (kilometres)		
	Trench (metres)		
	Underground (metres)		
TOTAL COST			\$ 3,600.00

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted	Date	Rept. No	Information Class	

LOG NO: 1122	RD.
ACTION:	
FILE NO:	

GEOPHYSICAL REPORT

VLF-EM SURVEY  
ON  
THE BLUE JAY MINERAL CLAIM  
VICTORIA MINING DIVISION  
SAN JUAN RIVER, BRITISH COLUMBIA

LOCATION:

NTS	92B/12
LATITUDE	48°-32'-30"
LONGITUDE	123°-50'-00"

OWNER/OPERATOR:

DEV MILWARDE-YATES  
6059 MEOTA DRIVE  
Sooke B.C.  
VOS 1NO

FILMED

AUTHOR:

DEV MILWARDE-YATES

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,998

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### SUMMARY

A VLF-EM survey was conducted over approximately 19.4 kilometers of grid lines on the Blue Jay claim. It was successful in outlining a series of parallel anomalies in the Northeast portion of the claim which are coincident with some small parallel ridges. These ridges have a strike of approximately S55°E astronomic and dip almost vertically. They consist of chlorite schists interlaced with small quartz veinlets and some contain visible magnetite crystals. The Fraser filtered data suggests that a series of parallel faults are located in the immediate area.

The Northeast portion of the claim presents an interesting target for further exploration. A magnetometer survey should be conducted over the same grid. Rock sampling and geochemical soil sampling should be conducted over the area. Care should be taken when soil sampling is in progress because much of the surface area has been disturbed by logging.

### INTRODUCTION

A VLF-EM survey was conducted by the writer over most of the Blue Jay claim which consists of 9 units. The work was carried out between May 21st 1988 and July 23rd 1988. The following report is based on the results of the VLF-EM survey.

### OBJECTIVE

A VLF-EM survey was conducted to locate faulting, shear zones, structural changes and areas of mineralization.

### LOCATION & ACCESS

The Blue Jay claim is situated in the Victoria Mining Division approximately 26 km north of the Village of Sooke, B.C. It is situated west of the North fork of the Leech river opposite Survey Mountain. The claim is reached by Otter Point Road, a paved public road which starts in the Village of Sooke and thence by private logging roads known as the Butler Main then north on a branch road known as the Northeast Jordan Main which runs through the claim.

These logging roads are the property of C.I.P., and have restricted travel on weekdays due to logging operations.

### TOPOGRAPHY & VEGETATION

The Blue Jay claim, consisting of 9 units, lies between the north and west forks of the Leech river and is west of Survey Mountain. It is located on a large high plateau which reaches the Eastern slopes of Valentine Mountain. The general topography of the area consists of small rolling ridges. The area has been logged in stages from approximately 1960 to 1986.

Most of the claim is covered with small to medium-sized "Christmas trees" and scattered underbrush.

Elevation on the claim runs from approximately 700 metres at the North end of the claim to 640 metres along the South boundary.

Several streams flow south through the claim to the Leech river, and a small shallow lake is situated on the East side of the claim. There is sufficient water available on the claim for mining purposes. However, the Greater Victoria Water District is constructing a diversion dam on the Leech River approximately 8 km downstream from the Blue Jay claim. Conceivably, land use restrictions might well be imposed on the area, at least on a seasonal basis.

#### CLIMATE

The climate of the area is moderate. Annual rainfall in the area is approximately 1000 mm. Winter snows could curtail access to the claims from November to March.

#### HISTORY

The Blue Jay Claim, consisting of 9 units, was staked and recorded in July 1985. A large Keuffel and Esser surveyor's compass and tripod were used to establish grid lines. All distances were measured using a hip chain, and chainages were slope corrected.

There are no known records or physical evidence of any previous work being done on the Blue Jay Claim. The area had been previously staked in the staking rush of 1982-83.

<u>CLAIM NAME</u>	<u>NO OF UNITS</u>	<u>RECORD NO</u>	<u>DATE RECORDED</u>	<u>OWNER</u>
Blue Jay	9	1549	July 29, 1985	D. Milwarde-Yates

#### REGIONAL GEOLOGY

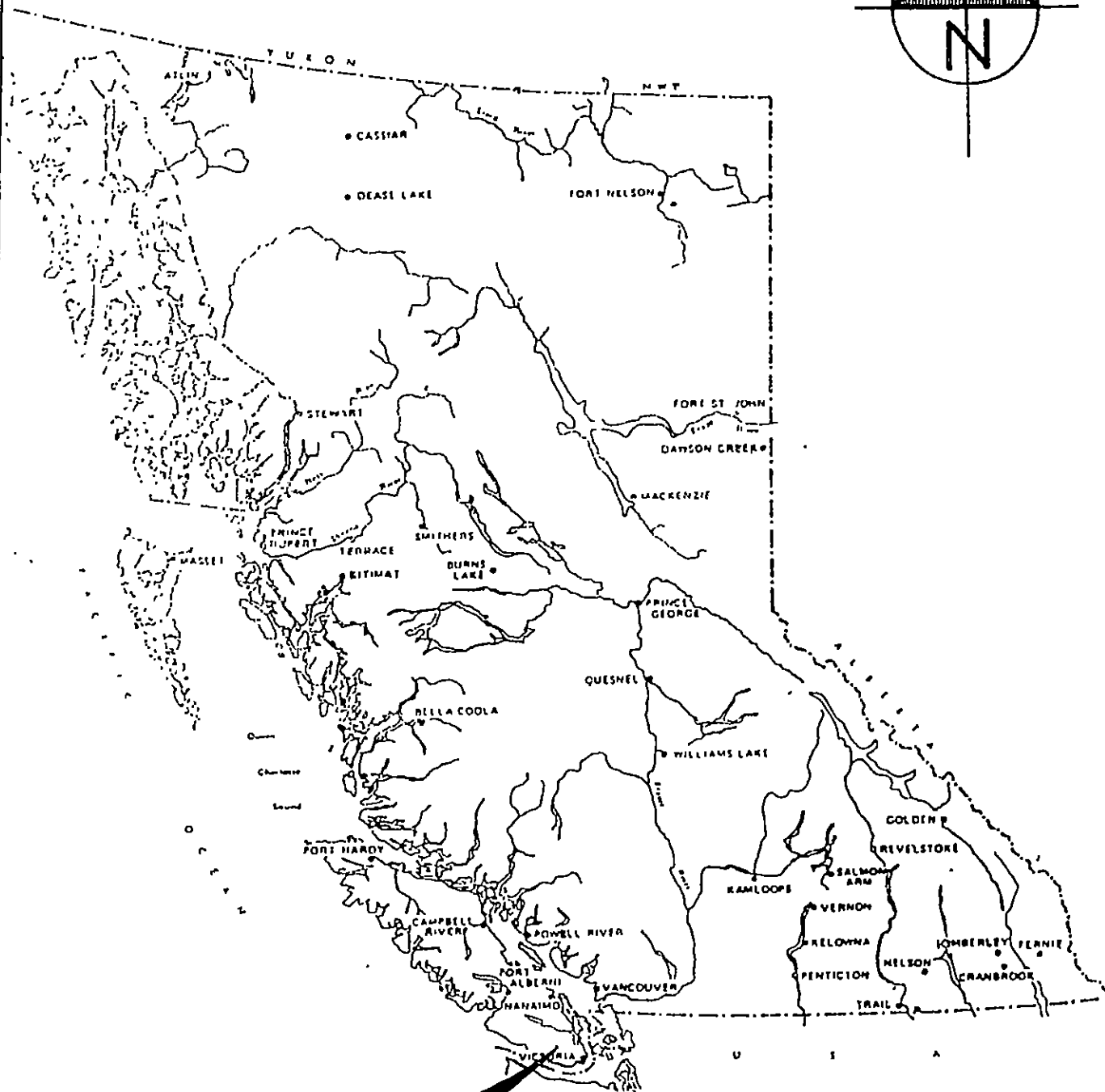
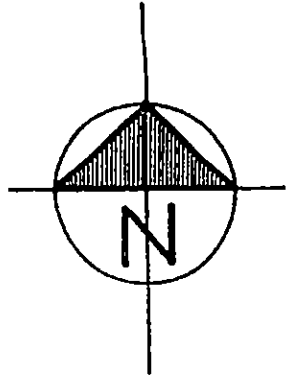
The Blue Jay claim is situated in the vicinity of the Leech River fault which separates the early Eocene Metchosin Formation of volcanics and related intrusions as well as the Sooke Gabbros. The Leech River fault is considered by Fairchild and Cowan to be comprised of two to four subparallel, linear and steeply dipping faults that are interpreted to be left-lateral strike-slip faults which were active after metamorphism and deformation of the Leech River complex, and were involved in the placement of the complex as an allochthonous block with respect to the surrounding terranes.

The Leech River complex comprises metamorphosed pelites, sandstones and volcanics that have been metamorphosed to low-pressure greenschist to amphibolite facies (andalusite-staurolite-biotite) during two deformational

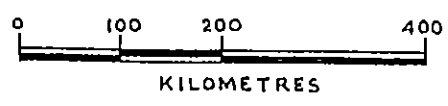
stages. Deformation and metamorphism were accompanied by composite foliated to non-foliated sills and dykes of granitic to dioritic composition and related later pegmatites and quartz-tourmaline veins; the conclusion of these events has been dated at 39-41 Ma. The two deformational events resulted in "macroscopic east-plunging folds and related coaxial, mesoscopic linear structures, parasitic folds, and axial plane cleavages". (Fairchild and Cowan, 1982).

Retrograde metamorphism has been documented by Grove (1984), Wingert (1984) and Read (1986) and is postulated to overprint earlier metamorphic events. Grove (1984) suggests a relationship between this retrograde event and the Leech River shear-fault event. Gold mineralization, with accessory pyrite or arsenopyrite and associated quartz and quartz-calcite veining, appears to belong to the superimposed, later and lower grade, metamorphic event (Read, 1986). Peatfield (1986) suggests a possible "pre-folding decollement, as suggested by the apparent repetition of the amphibolite units on the nose of the anticline" (east of Valentine Mountain).





















PROPERTY  
LOCATION

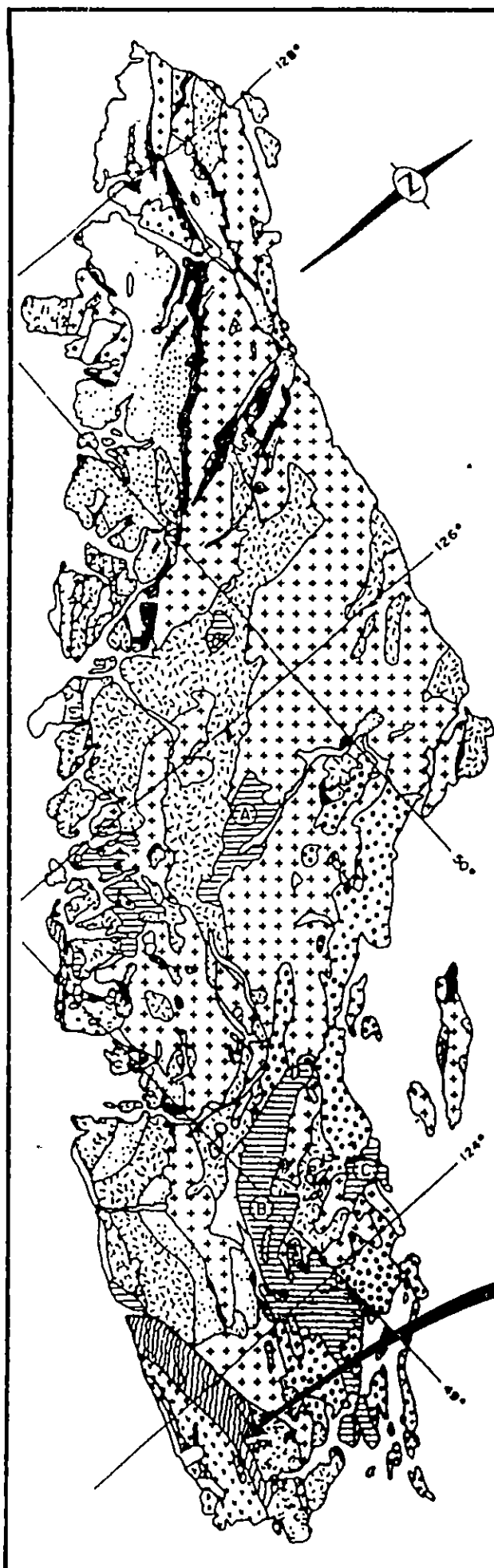
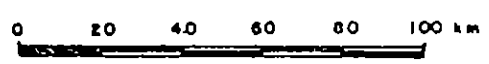


SUBJECT KEY PLAN	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92 B/12W
DWN BY D.M-Y.	DATE 88-10-10
SCALE AS SHOWN	FIG. 1

LEGEND

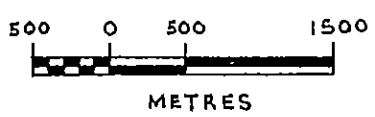
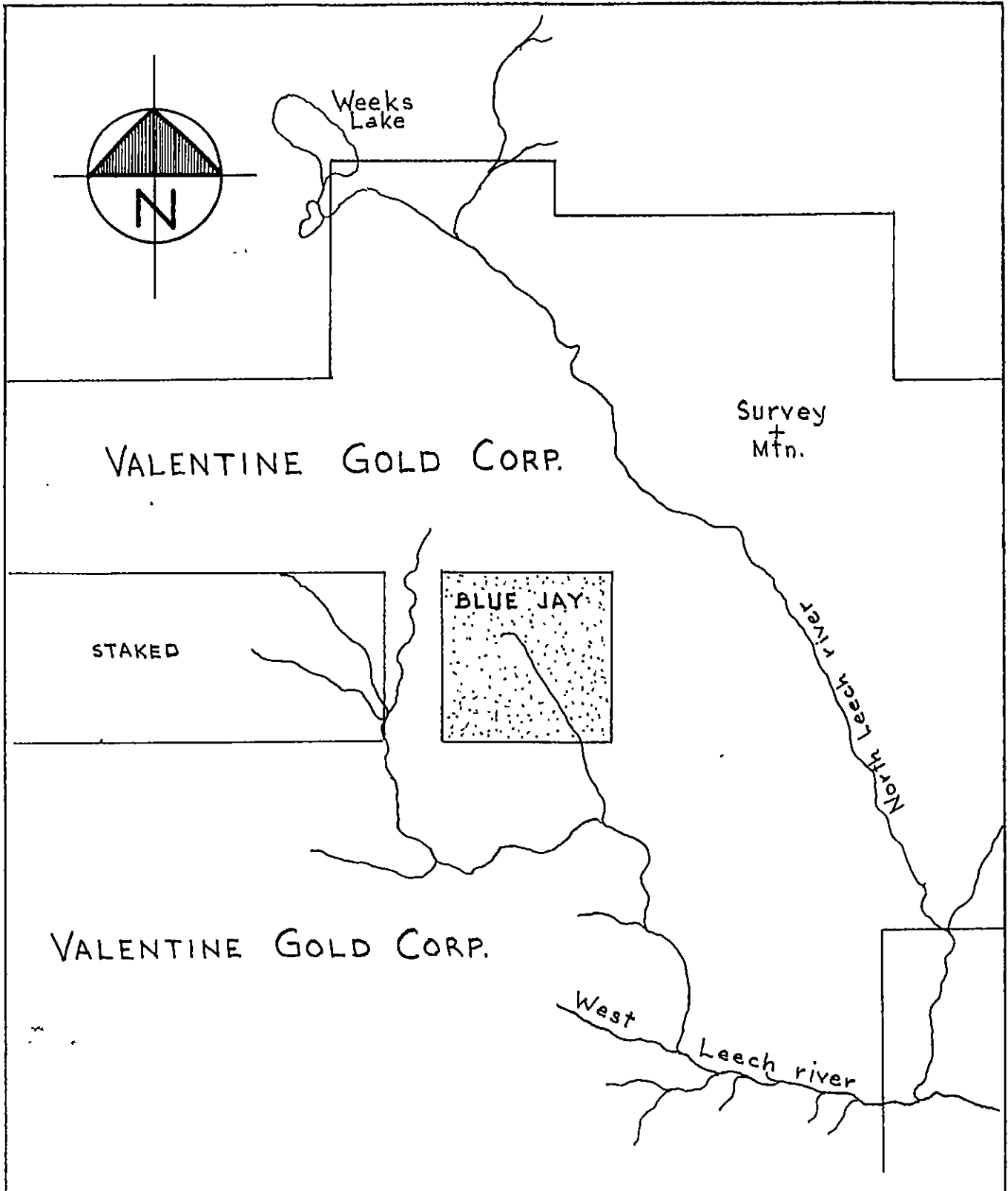
-  Carmonat. Group Middle Tertiary
  -  Catface Intrusions Early to Middle Tertiary
  -  Melchosis Volcanics Early Tertiary
  -  Nanaimo Group Late Cretaceous
  -  Queen Charlotte Group } Late Jurassic
  -  Kyuquot Group } 10  
Early Cretaceous
  -  Leech River Formation } Early Cretaceous
  -  Pacific Rim Complex } Early and (?) Middle Jurassic
  -  Island Intrusions } Early and (?) Middle Jurassic
  -  Bonanza Group Early Jurassic
  -  Vancouver Group } Early and (?) Middle Triassic
  -  Parson Bay Formation } Early and (?) Middle Triassic
  -  Quatfino Formation } Early and (?) Middle Triassic
  -  Karmutsen Formation } Early and (?) Middle Triassic
  -  Sicker Group Paleozoic
  -  Metamorphic Complexes Jurassic and Older
- (A) Buttle Lake Uplift
  - (B) Cowichan-Horne Lake Uplift
  - (C) Nanoose Uplift

*After Muller, GSC, 1980*

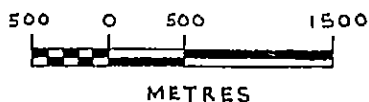
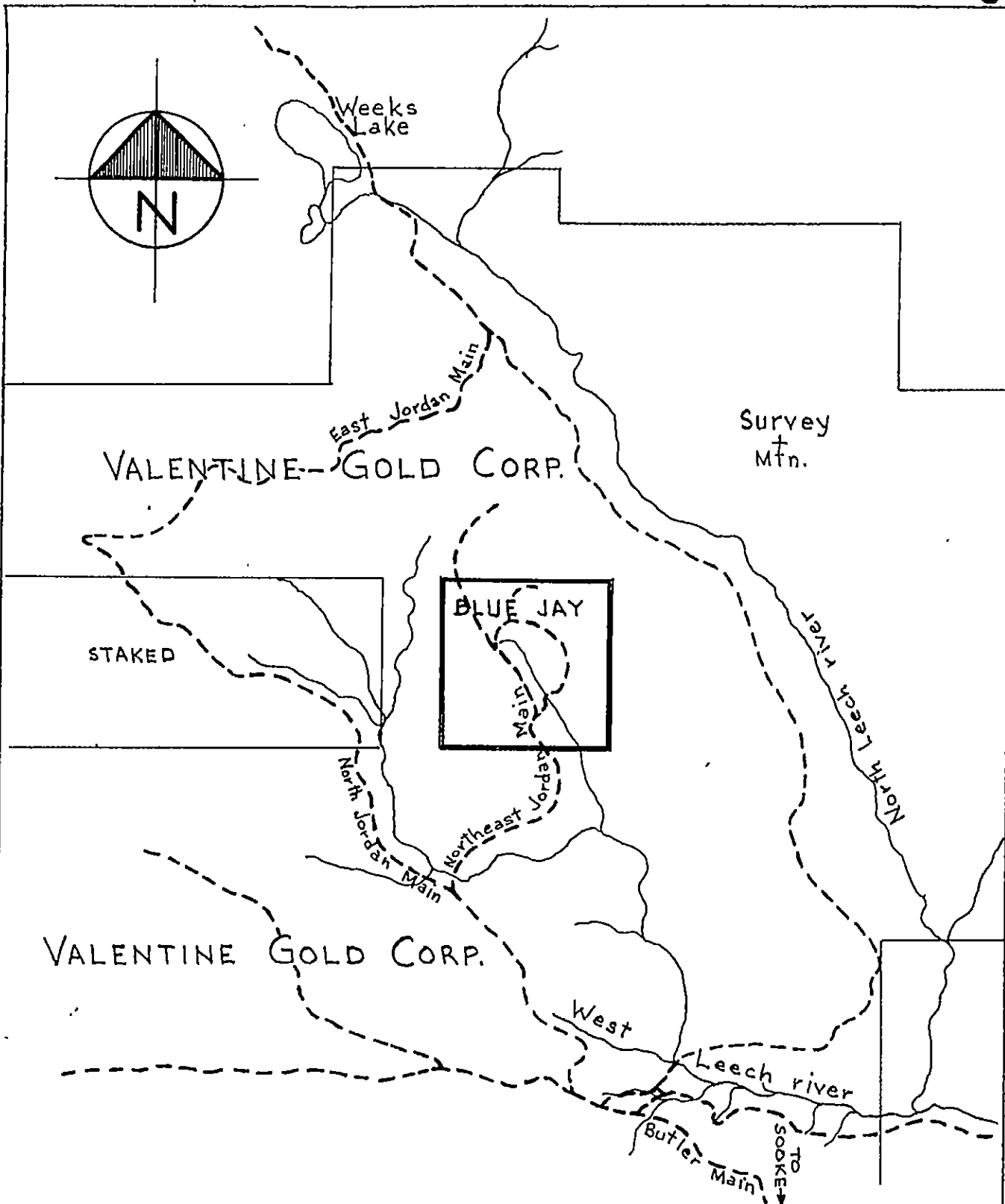


LOCATION

SUBJECT REGIONAL GEOLOGY	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S.
DWN. BY D.M-Y	DATE 88-10-02
SCALE AS SHOWN	FIG. 2



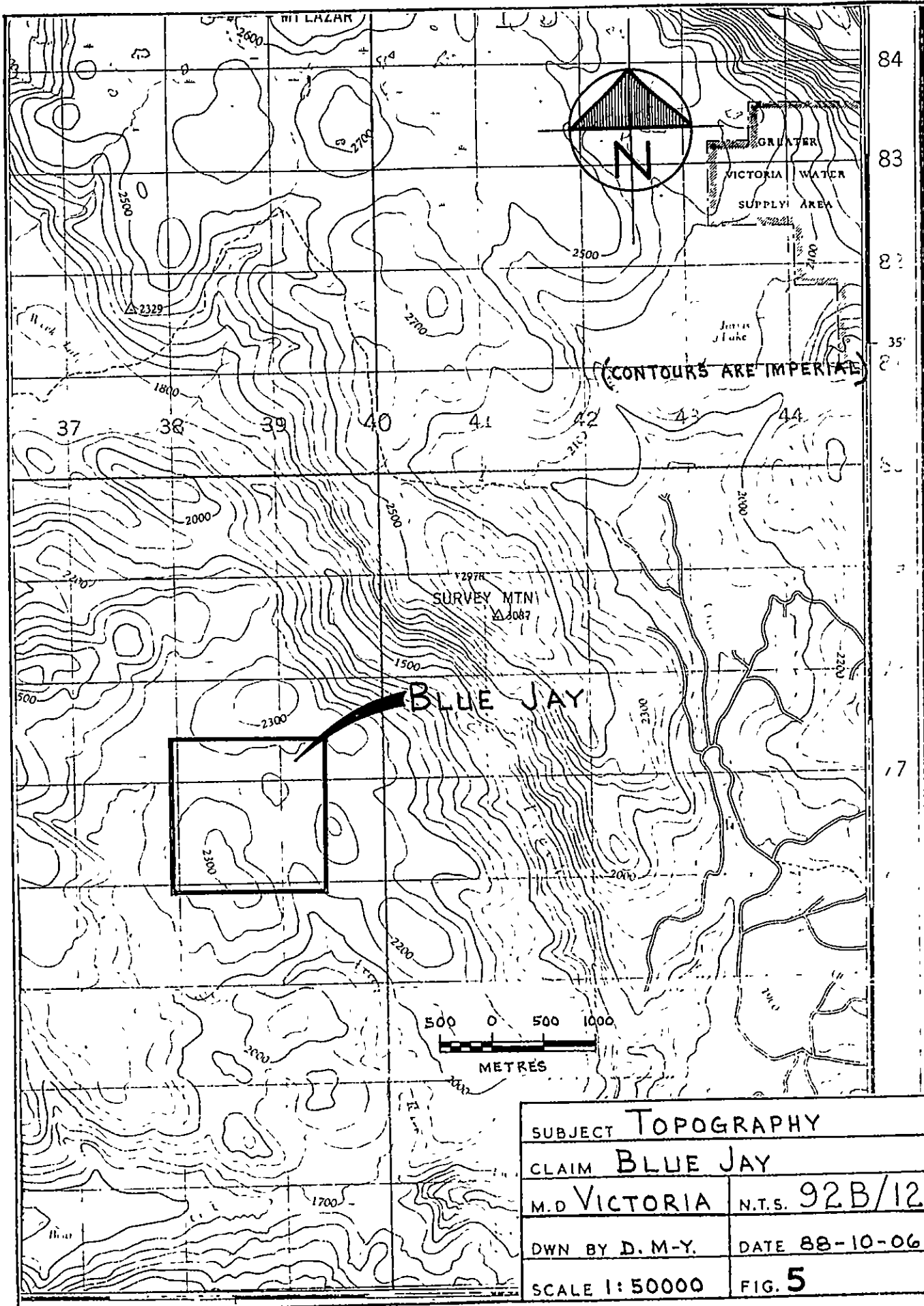
SUBJECT LOCATION PLAN	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D. M-Y.	DATE 88-10-12
SCALE AS SHOWN	FIG. 3



**LEGEND**

- PRIVATE LOGGING ROAD
- STREAM OR RIVER

SUBJECT ACCESS PLAN	
CLAIM BLUE JAY	
M. D. VICTORIA	N.T.S. 92B/12
DWN. BY D. M-Y	DATE 88-10-13
SCALE AS SHOWN	FIG. 4



## GEOPHYSICS

A VLF-EM survey was conducted over approximately 75% of the Blue Jay Claim. Grid and base lines were laid out at 100 x 50 metre intervals. 7.5 km of grid lines were cut. The remainder were done by previous assessment work. A total of approximately 19 kilometres of line were covered by the VLF-EM survey.

### a. Equipment

- VLF-EM instrument      - Sabre Electronics  
Model 27, Serial No 327
- VLF Transmitting      - Seattle, Frequency 24.8  
Station                      KHz

### b. Field Method

A VLF-EM survey, utilizing a Sabre Model 27 receiver was conducted on grid lines running North/South astronomic. Lines were spaced one hundred metres apart and readings were taken at fifty metre intervals along the grid lines. The U.S. Navy submarine transmitter station located near Seattle Washington was used. Its transmitting frequency is 24.8 KHz.

The detailed field procedure as laid out in the manufacturer's operating manual was used. Two base station were established for the survey. The field strength was set at approximately 100. The field strength button which reduces the reading by half was depressed and the 1/2 value of field strength was adjusted to give a value of 50 by adjusting the gain control. Half values of field strength were recorded at all stations. The value of 50 was used as the datum line of field on the profiles. Thus values greater than 50 are shown as positive readings and values less than 50 are shown as negative values relative to the base station. The gain control reading was not adjusted during the survey.

Dip angle readings were taken with the receiver held in the vertical position in a plane perpendicular to the transmitter station. The receiver unit was then tilted in this vertical plane until a null or minimum reading was observed on the inclinometer. This dip angle of null was recorded with the appropriate + or - sign.

### c. Compilation of Data

The dip angle readings were reduced by applying the Fraser Filter. The filtered readings were plotted in a South to North direction of travel. Filtered values of 10 or greater were contoured and plotted on Figure 23. Individual grid line profiles showing filtered data and field strength readings were also plotted. Fraser filtered lows and field strength lows are also plotted on the countoured data sheet and are shown as dotted lines.

d. Theory

In electromagnetic exploration, a transmitter produces an alternating primary magnetic field with a strong alternating current usually through a wire coil. If a conductive mass such as a sulphide body or a significant fault is within this magnetic field, a secondary alternating current is induced which in turn induces a secondary magnetic field that distorts the primary magnetic field. The VLF-EM receiver measures this distortion. The VLF-EM uses a radio frequency range from 12 to 24 KHz. Due to the frequency range, the VLF-EM can pick up bodies of low conductivity. Consequently, it is more susceptible to react to clay beds, electrolyte-filling fault/shear zones and porous horizons, graphite, carbonaceous, sediments, lithological contacts and sulphide bodies of such low conductivity that other EM methods fail to respond to. As the VLF-EM signal derives from an infinite source, faults of great horizontal and vertical extent give particularly strong responses. The Leech River fault is such a fault.

The VLF-EM is a useful instrument for mapping structures and for detecting sulphide bodies of too low a conductivity for conventional EM methods and too small for induced polarization. However, its response to lower conductive bodies often results in a number of anomalies, many of which are difficult to explain. Therefore, VLF-EM surveys should not be interpreted without good geological knowledge and/or, other geophysical and geochemical knowledge of the property.

In recent years, the field strength value has taken on a greater importance in interpretation of data.

The Fraser Filter is essentially a 4-point difference operation which transforms zero crossings into peaks by means of simple numerical filtering technique. Thus, it shows conductors which don't show up as cross-overs on unfiltered data. It also reduces high frequency noise in the data.

DISCUSSION OF FIELD WORK

Slope readings were not taken during the VLF-EM survey because the claim is essentially a large plateau with small, gentle rolling ridges and valleys. Some of the grid lines were established by previous assessment work.

The Sabre VLF-EM equipment worked extremely well during the survey. All high readings were double checked to eliminate error in data interpolation.

## RECOMMENDATIONS

### Phase 1

Conduct a magnetometer survey over the same grid. Take geochemical soil and rock samples in the north half of the claim.

### Phase 2

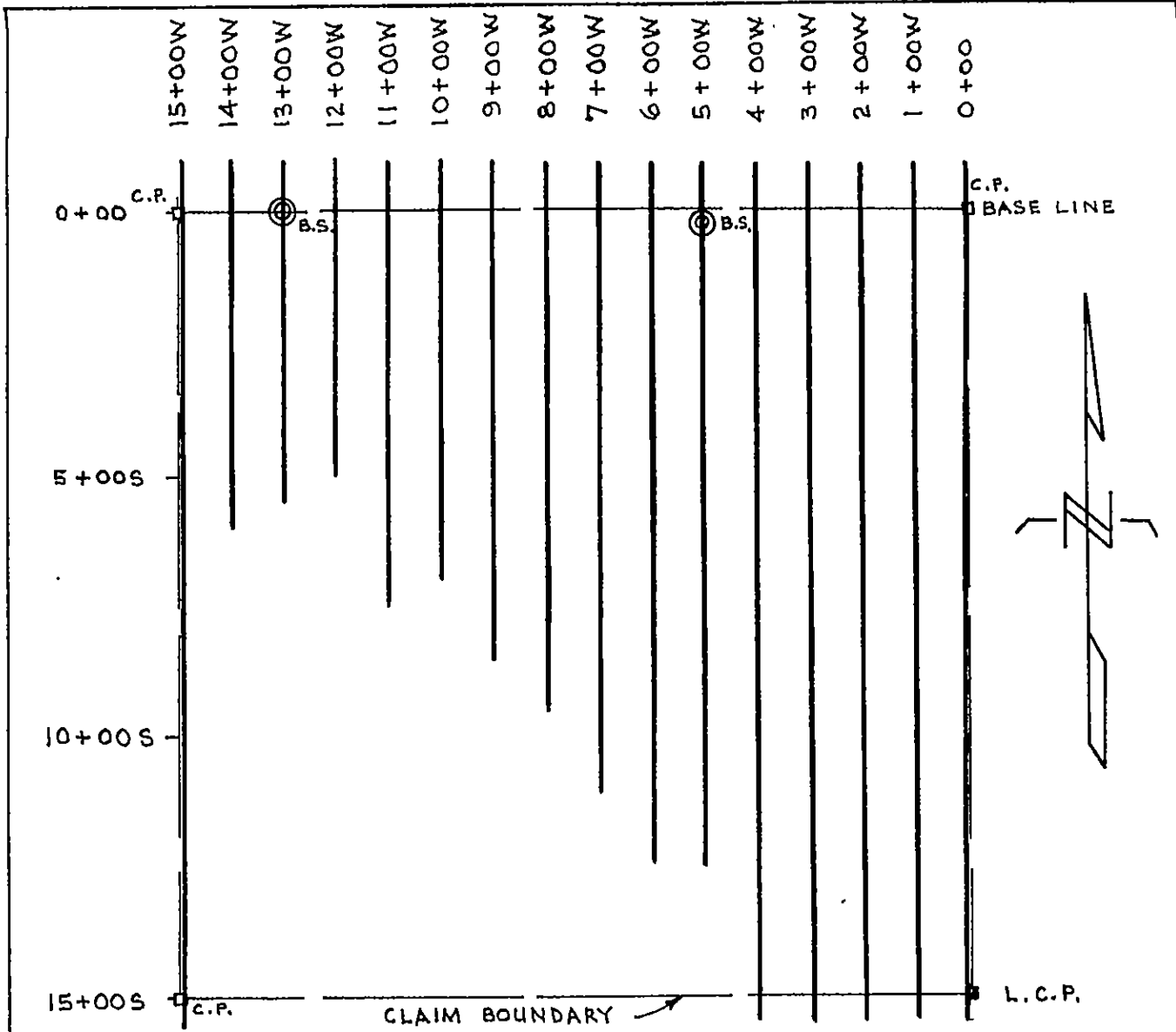
Conduct a small diamond drilling program in the Northeast corner of the claim should the results of Phase 1 be encouraging.

## RESULTS AND CONCLUSIONS

The VLF-EM survey outlined a series of parallel anomalies in the Northeast corner of the claim which are coincident with a series of small parallel ridges. The ridges consist of chlorite schists interlaced with small quartz veinlets and some ridges contain visible magnetite crystals.

The Fraser Filtered low shown on the contoured data (Fig 23) and the related profiles suggest that a strong fault runs through the claim from approximately 8+00W x 2+50S to 0+00W x 8+00S. This fault and related parallel anomalies are probably directly associated with the Leech River fault system.





### LEGEND

- GRID LINE
- B.S. ⊙ BASE STATION
- C.P. □ CORNER POST



SUBJECT GRID PLAN FOR VLF-EM	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN BY D.M-Y	DATE 88-10-14
SCALE 1:12500	FIG. 6

VLF-EM SURVEY

CLAIM... BLUE JAY ..... VICTORIA. M.D. LINE 15+00W DATE June 25/88

STATION	SLOPE	IN-PHASE	FIELD STR	FILTER	REMARKS
15+00W x 15+50S		-3	57		
15+00S		-1	47	+5	
4+50S		-5	48	-3	
4+00S		-4	43	-6	
3+50S		+1	47	+1	
3+00S		-4	45	-4	
2+50S		0	43	-7	
2+00S		+1	45	+2	
11+50S		+2	47	+6	
11+00S		-3	45	0	
10+50S		0	33	+2	
10+00S		-1	46	+6	
9+50S		-4	44	+1	
9+00S		-3	43	-12	
8+50S		-3	41	-19	
8+00S		+8	36	+1	
7+50S		+5	55	+14	
7+00S		-1	44	-1	
6+50S		0	38	-8	
6+00S		+5	40	+3	
5+50S		+2	39	+9	
5+00S		0	45	+12	
4+50S		-2	43	+2	
4+00S		-8	39	-20	
3+50S		+4	35	-16	
3+00S		+6	38	+4	
2+50S		+6	46	+6	
2+00S		0	46	0	
1+50S		+6	40	0	
1+00S		0	54	+5	
0+50S		+6	52	+10	
0+00		-5	48	-4	
0+50N		+1	47		
1+00N		+4	49		

VLF-EM SURVEY

CLAIM.... BLUE JAY .....		VICTORIA, M.D.		LINE VARIOUS	DATE May 21/88
STATION	SLOPE	IN-PHASE	FIELD STR	FILTER	REMARKS
14+00W x 6+00S		0	52		
5+50S		-4	57	+5	
5+00S		-5	50	-11	
4+50S		-4	46	-22	
4+00S		+6	50	-14	
3+50S		+7	51	+2	
3+00S		+9	66	+6	
2+50S		+2	63	-1	
2+00S		+8	65	+10	
1+50S		+4	76	+17	
1+00S		-4	70	+1	
0+50S		-1	63	-3	
0+00		0	62	+9	
0+50N		-2	47		
1+00N		-8	47		
13+00W x 5+50S		+2	49		
5+00S		+8	48	-2	
4+50S		+7	56	+4	
4+00S		+5	50	+3	
3+50S		+6	66	+3	
3+00S		+3	50	-1	
2+50S		+5	50	+9	
2+00S		+5	60	+15	
1+50S		-6	53	-9	
1+00S		+1	52	-12	
0+50S		+7	53	+16	
0+00		0	50	+10	
0+50N		-8	43		
1+00N		+5	47		

VLF-EM SURVEY

CLAIM....BLUE JAY..... VICTORIA M.D. LINE VARIOUS DATE July 1/88

STATION	SLOPE	IN-PHASE	FIELD STR	FILTER	REMARKS
12+00W x 5+00S		+7	54		
4+50S		+6	56	+6	
4+00S		+5	65	+4	
3+50S		+2	56	-4	
3+00S		+5	59	-4	
2+50S		+6	65	+7	
2+00S		+5	68	+11	
1+50S		-1	63	+6	
1+00S		+1	67	+3	
0+50S		-3	66	-9	
0+00		0	55	0	
0+50N		+7	52		
1+00N		-10	44		
11+00W x 7+50S		-1	51		
7+00S		-2	50	-8	
6+50S		-1	45	-15	
6+00S		+6	37	-1	
5+50S		+6	45	+16	
5+00S		0	44	+10	
4+50S		-4	43	-9	
4+00S		0	37	-13	
3+50S		+5	42	-3	
3+00S		+4	43	+4	
2+50S		+4	48	+7	
2+00S		+1	43	+6	
1+50S		0	47	-3	
1+00S		-1	44	-3	
0+50S		+5	40	+11	
0+00		-3	58	+7	
0+50N		-4	44		
1+00N		-1	39		

VLF-EM SURVEY

CLAIM...BLUE JAY.....		VICTORIA.. M.D.		LINE VARIOUS	DATE July 1/88
STATION	SLOPE	IN-PHASE	FIELD STR	FILTER	REMARKS
10+00W x 7+00S		-2	37		
6+50S		+11	35	-9	
6+00S		+13	44	+16	
5+50S		+5	47	+7	
5+00S		+3	44	-6	
4+50S		+8	47	+2	
4+00S		+6	52	+12	
3+50S		+3	47	+12	
3+00S		-1	50	+9	
2+50S		-2	52	0	
2+00S		-5	48	-17	
1+50S		+2	41	-11	
1+00S		+8	51	+13	
0+50S		0	57	+10	
0+00		-3	47	-5	
0+50N		+1	47		
1+00N		+1	56		
9+00W x 8+50S		-2	39		
8+00S		-1	30	-32	
7+50S		+14	43	-3	
7+00S		+15	41	+19	
6+50S		+1	42	-6	
6+00S		+9	45	-12	
5+50S		+13	45	+16	
5+00S		+9	58	+25	
4+50S		-3	44	+5	
4+00S		0	51	+1	
3+50S		+1	50	+8	
3+00S		-5	49	-10	
2+50S		-2	40	-13	
2+00S		+8	43	+6	
1+50S		-2	55	+1	
1+00S		+2	47	-8	
0+50S		+3	45	+1	
0+00		+5	47	+11	
0+50N		-1	55		
1+00N		-2	50		





VLF-EM SURVEY

CLAIM...BLUE..JAY.....		.VICTORIA.. M.D.		LINE.6+00W	DATE JULY 3/88
STATION	SLOPE	IN-PHASE	FIELD STR	FILTER	REMARKS
6+00W x 12+50S		-6	52		
12+00S		-7	47	-5	
11+50S		-6	46	-8	
11+00S		-2	48	-7	
10+50S		-3	42	-8	
10+00S		+2	43	-14	
9+50S		+1	39	-2.3	
9+00S		+12	42	-1	
8+50S		+14	54	+2.2	
8+00S		0	55	+1	
7+50S		+4	50	-2	
7+00S		+9	55	+2.2	
6+50S		-3	63	+19	
6+00S		-6	54	+3	
5+50S		-7	50	+9	
5+00S		-5	48	+4	
4+50S		-17	38	-46	
4+00S		+1	32	-47	
3+50S		+2.3	34	+7	
3+00S		+8	62	+4	
2+50S		+9	48	-8	
2+00S		+18	62	+11	
1+50S		+7	62	+17	
1+00S		+9	60	+2.7	
0+50S		-1	77	+18	
0+00		-10	45	-9	
0+50N		0	53		
1+00N		-2	52		





VLF-EM SURVEY

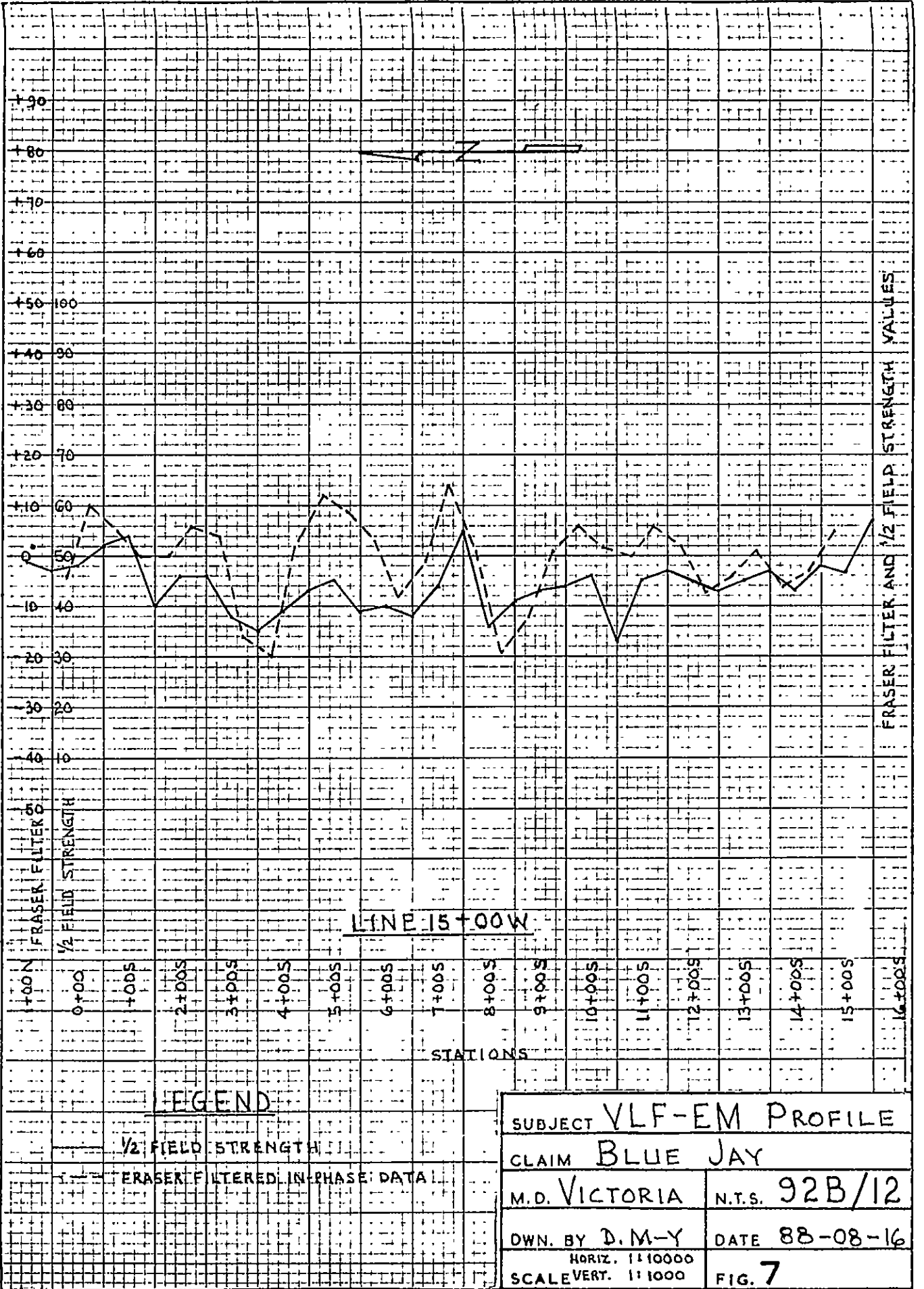
CLAIM. BLUE JAY.....		VICTORIA. M.D.		LINE 4+00W	DATE JULY 9/88
STATION	SLOPE	IN-PHASE	FIELD STR	FILTER	REMARKS
4+00W x 15+50S		-2	40		
15+00S		+2	44		
14+50S		0	46	-1	
14+00S		+1	50	+6	
13+50S		-5	38	+2	
13+00S		+4	43	-13	
12+50S		+5	45	-12	
12+00S		+6	40	-5	
11+50S		+8	45	-1	
11+00S		+4	49	+3	
10+50S		+7	48	-6	
10+00S		+11	47	-6	
9+50S		+6	53	+10	
9+00S		+2	47	0	
8+50S		+15	53	-4	
8+00S		-3	60	+22	
7+50S		-2	51	+20	
7+00S		-6	48	+4	
6+50S		-3	49	+7	
6+00S		-12	42	0	
5+50S		+3	34	-34	
5+00S		+16	47	-19	
4+50S		-6	47	+18	
4+00S		+7	47	0	
3+50S		+3	42	-2	
3+00S		0	65	+5	
2+50S		+5	55	-11	
2+00S		+9	72	0	
1+50S		-4	72	+18	
1+00S		0	44	+1	
0+50S		+4	62	-1	
0+00		-7	59	+9	
0+50N		+2	55	-4	
1+00N		-1	49		



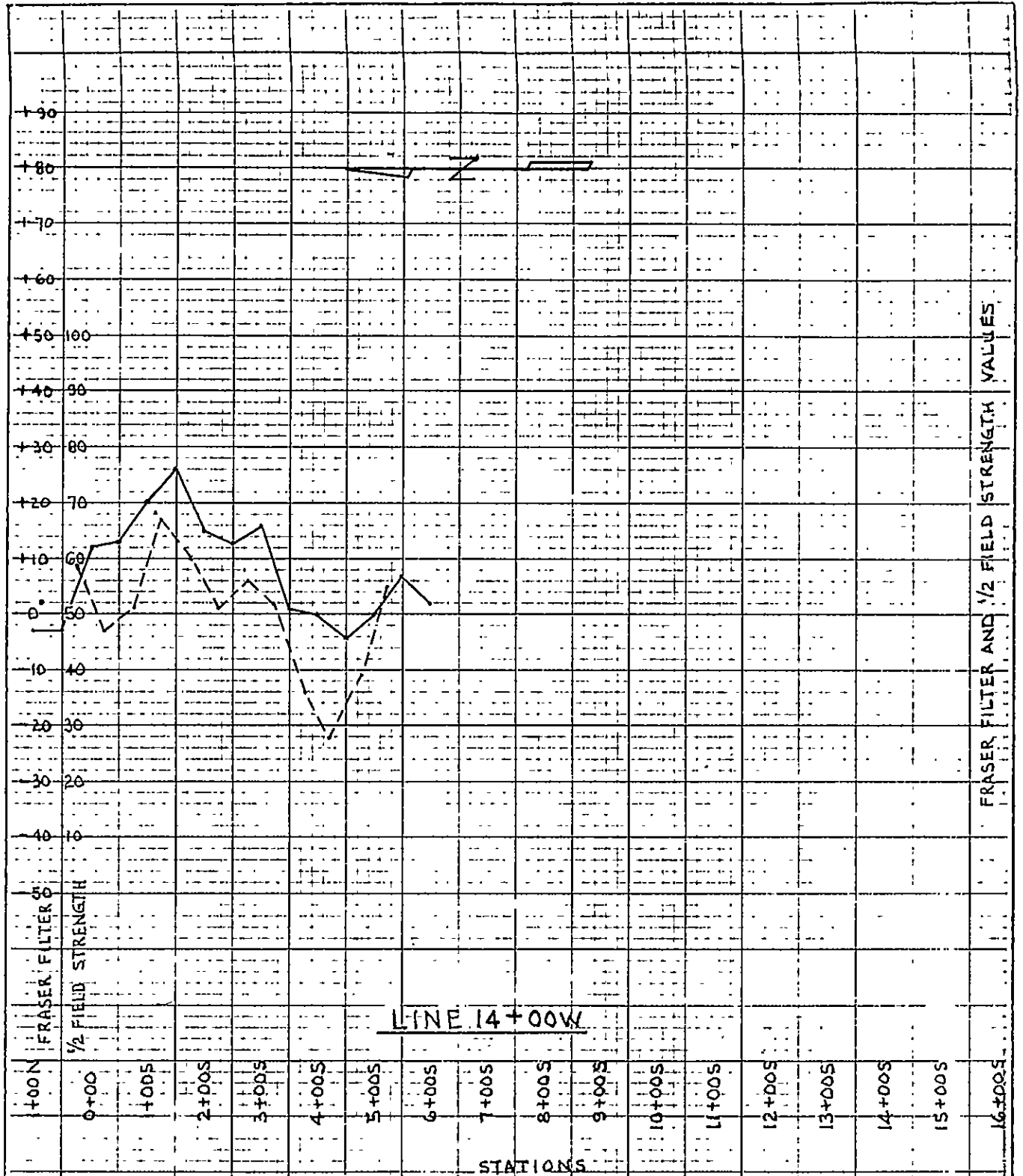








SUBJECT VLF-EM PROFILE  
 CLAIM BLUE JAY  
 M.D. VICTORIA N.T.S. 92B/12  
 DWN. BY D.M-Y DATE 88-08-16  
 HORIZ. 1:10000  
 SCALE VERT. 1:1000  
 FIG. 7



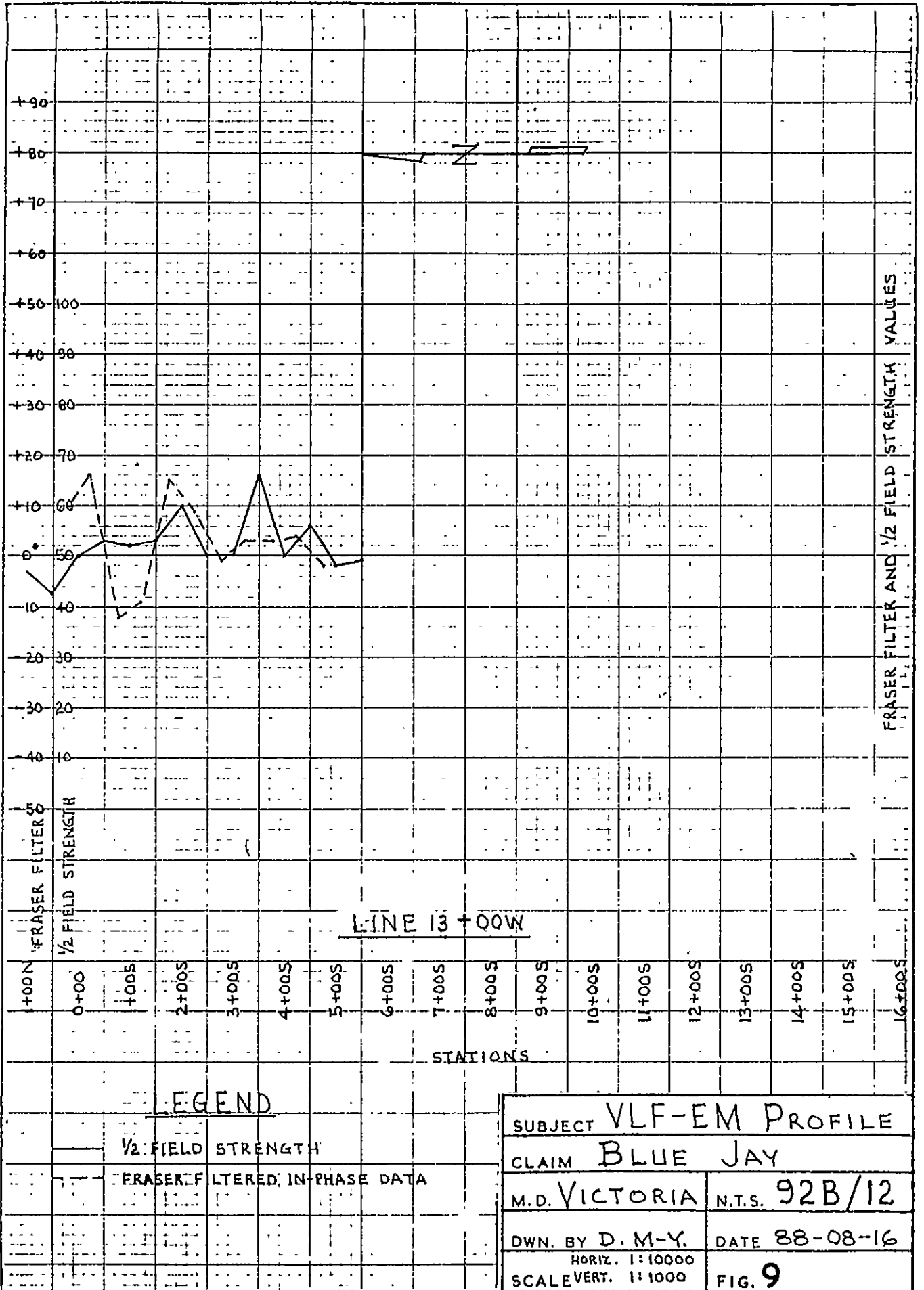
LINE 14+00W

LEGEND

- 1/2 FIELD STRENGTH
- - - FRASER FILTERED IN-PHASE DATA

SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D.M-Y.	DATE 88-08-16
HORIZ. 1:10000	FIG. 8
SCALE VERT. 1:1000	



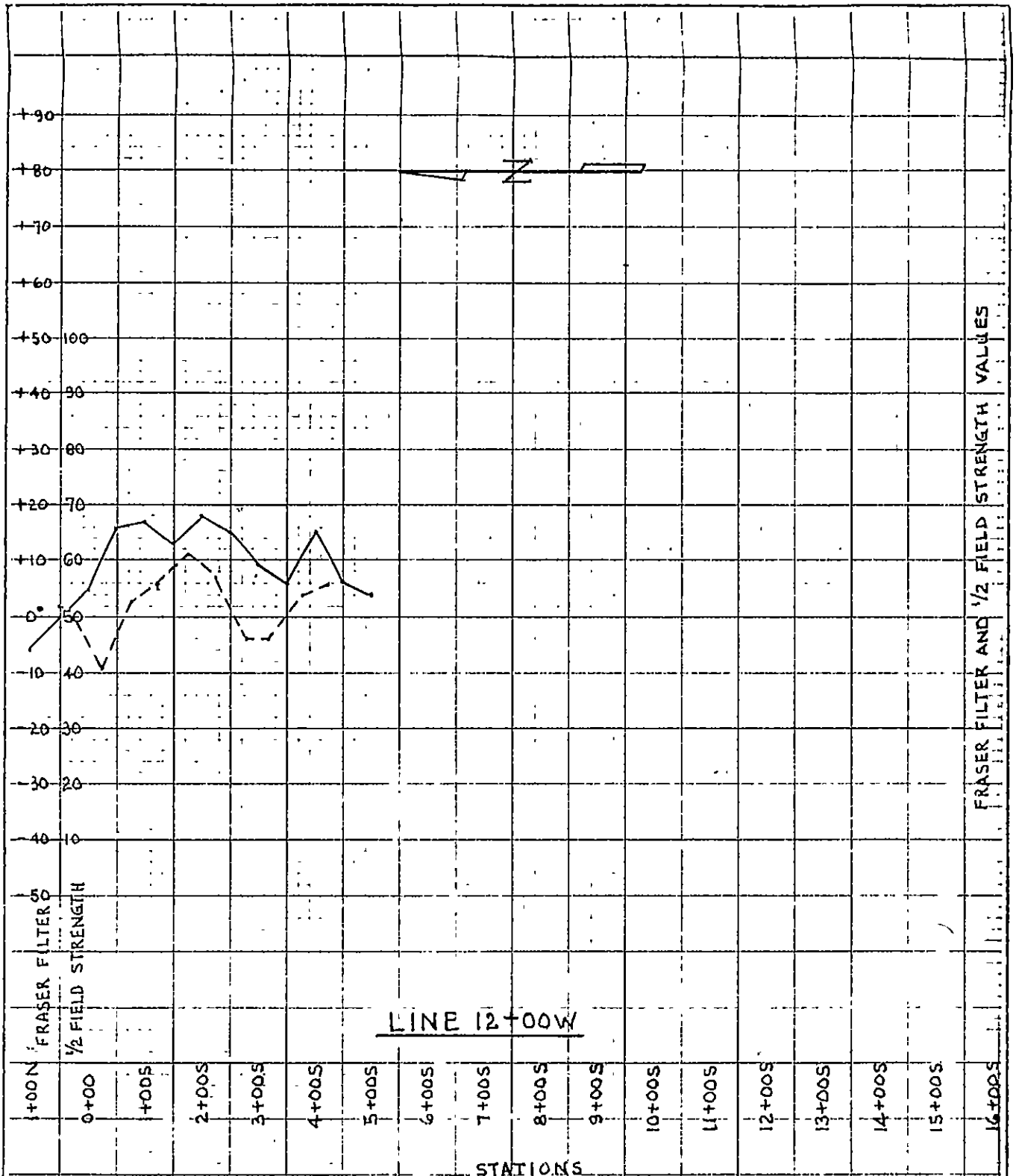


LINE 13+00W

LEGEND

— 1/2 FIELD STRENGTH  
 - - - FRASER FILTERED, IN-PHASE DATA

SUBJECT VLF-EM PROFILE  
 CLAIM BLUE JAY  
 M.D. VICTORIA N.T.S. 92B/12  
 DWN. BY D. M-Y. DATE 88-08-16  
 HORIZ. 1:10000  
 SCALE VERT. 1:1000 FIG. 9



LINE 12+00W

FRASER FILTERED  
1/2 FIELD STRENGTH

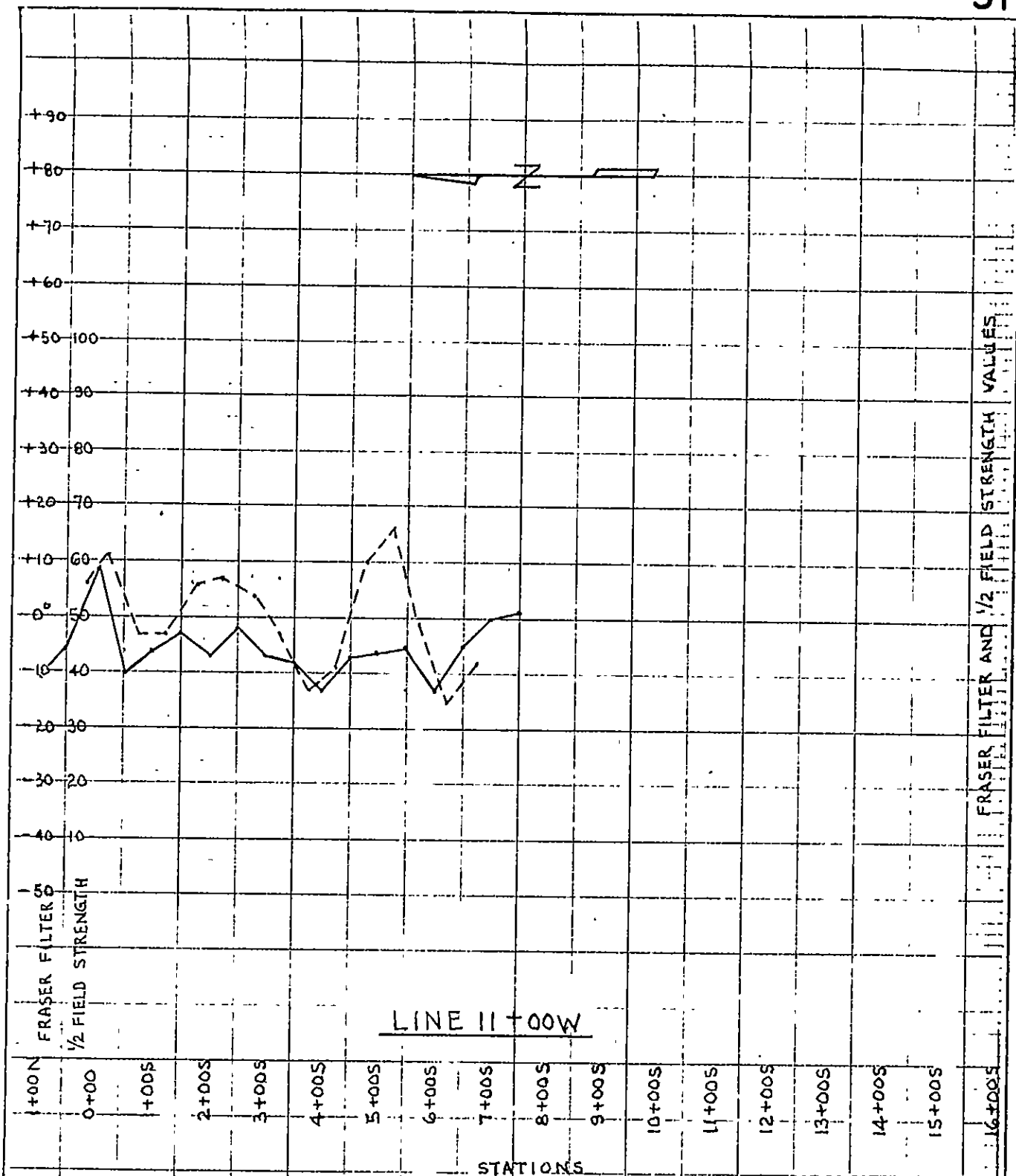
FRASER FILTER AND 1/2 FIELD STRENGTH VALUES

STATIONS  
1+00N 0+00 1+00S 2+00S 3+00S 4+00S 5+00S 6+00S 7+00S 8+00S 9+00S 10+00S 11+00S 12+00S 13+00S 14+00S 15+00S 16+00S

LEGEND

1/2 FIELD STRENGTH  
FRASER FILTERED IN-PHASE DATA

SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.O. VICTORIA	N.T.S. 92B/12
DWN. BY D. M-Y.	DATE 88-08-16
HORIZ. 1:10000 SCALE VERT. 1:1000	FIG. 10



LINE 11+00W

FRASER FILTERED  
1/2 FIELD STRENGTH

FRASER FILTER AND 1/2 FIELD STRENGTH VALUES

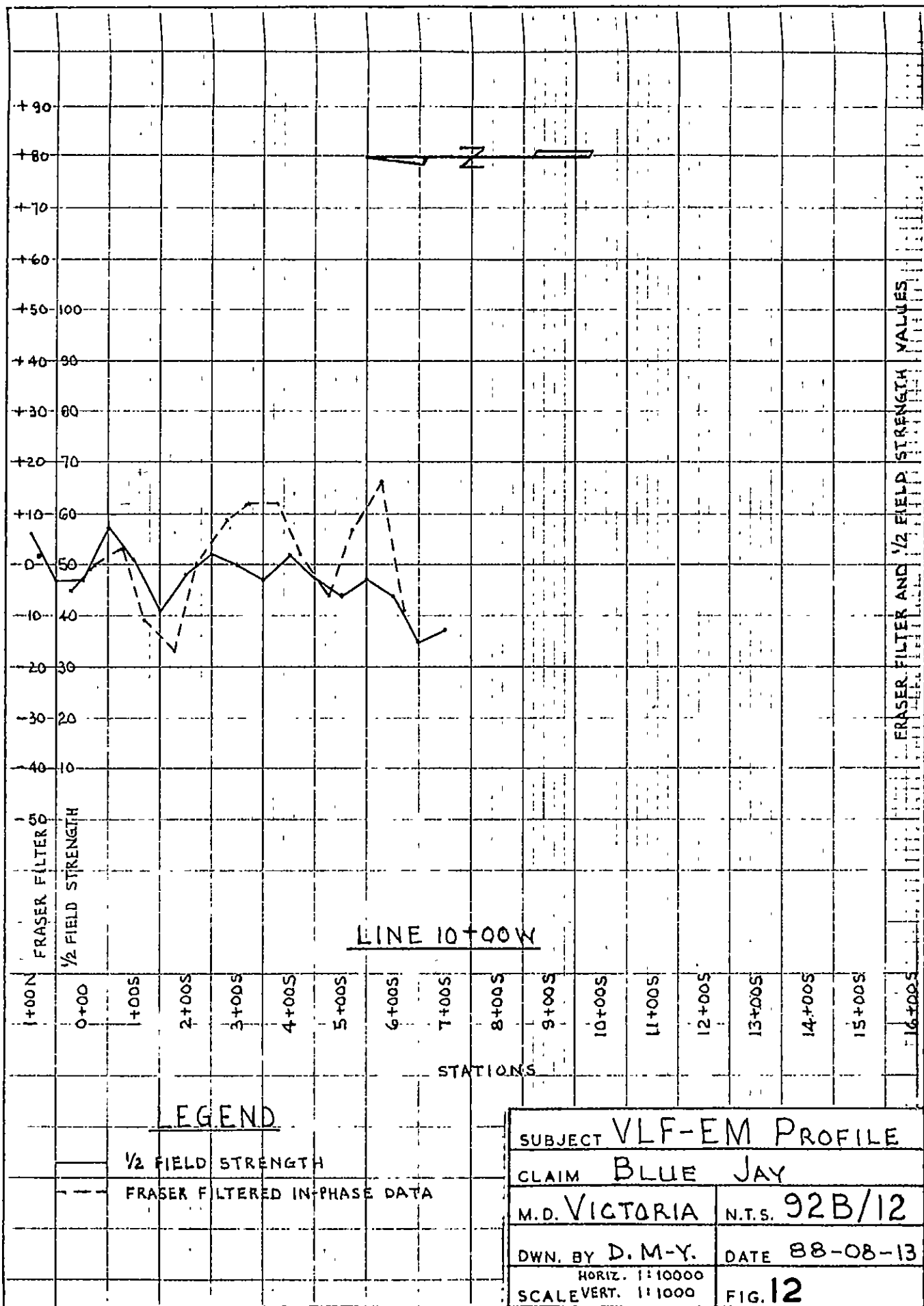
STATIONS

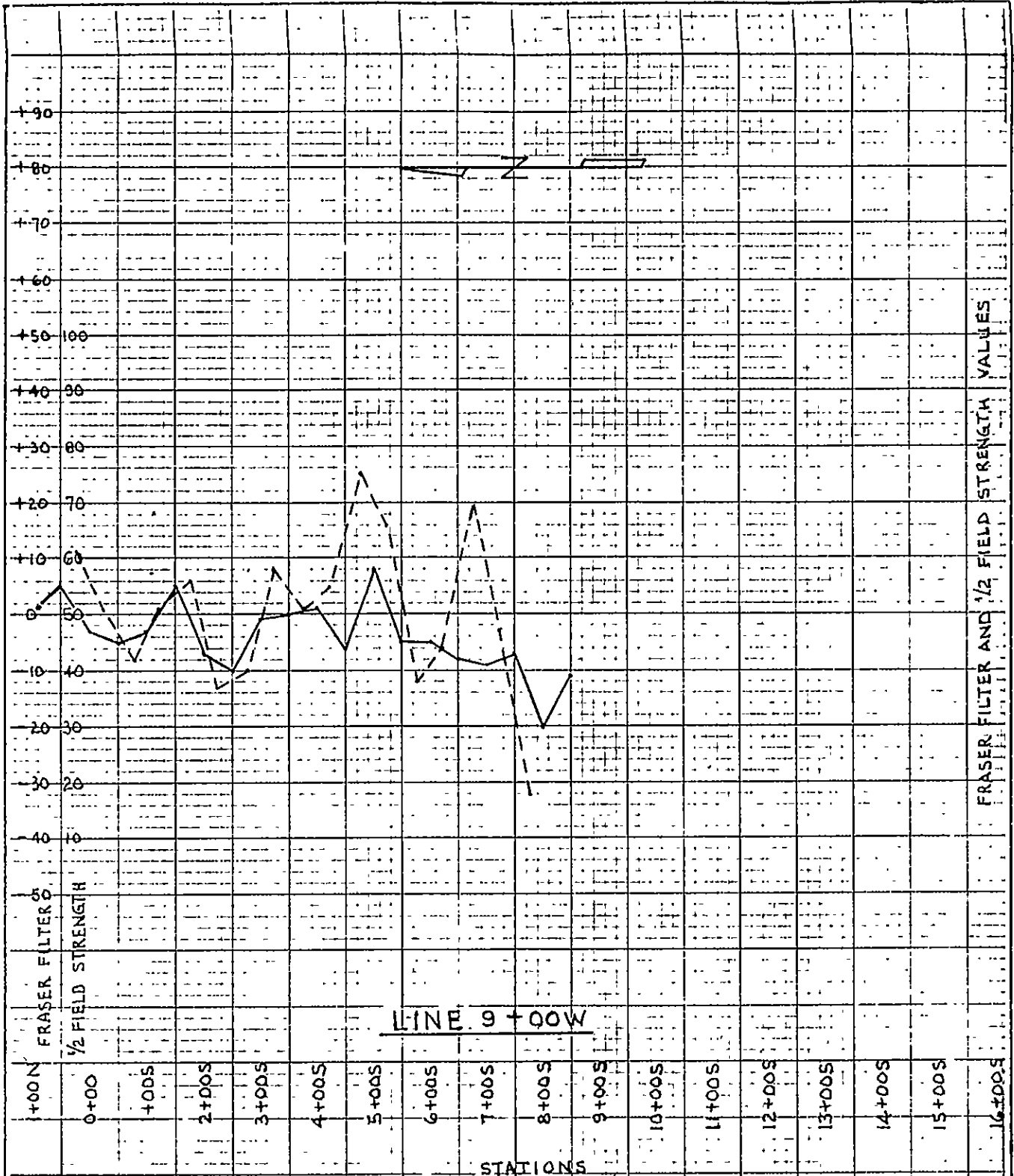
1+00N  
0+00  
1+00S  
2+00S  
3+00S  
4+00S  
5+00S  
6+00S  
7+00S  
8+00S  
9+00S  
10+00S  
11+00S  
12+00S  
13+00S  
14+00S  
15+00S  
16+00S

LEGEND

- 1/2 FIELD STRENGTH
- FRASER FILTERED IN-PHASE DATA

SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D.M-Y.	DATE 88-08-16
HORIZ. 1:10000	FIG. 11
SCALE VERT. 1:1000	





LINE 9+00W

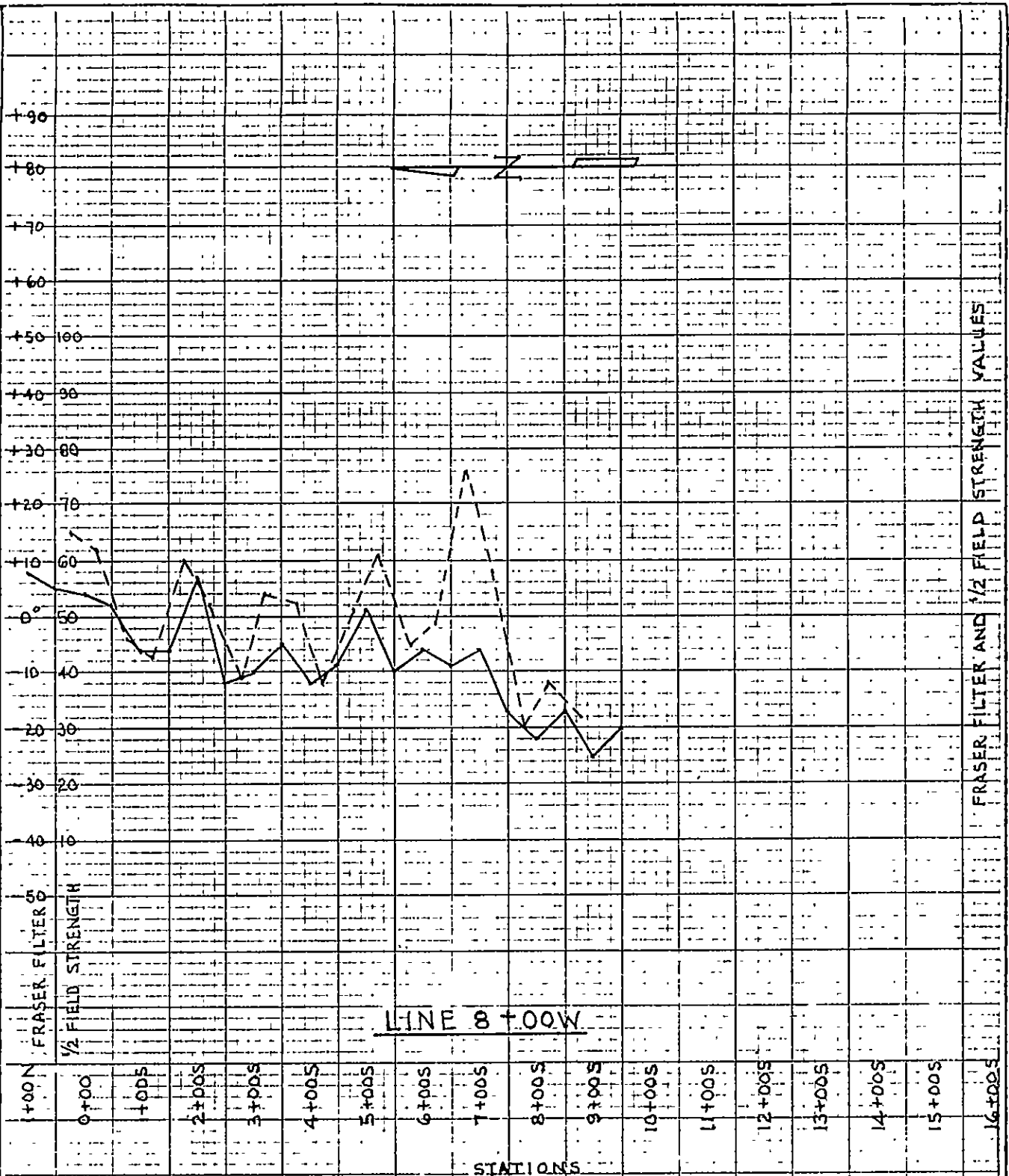
1+00N  
0+00  
1+00S  
2+00S  
3+00S  
4+00S  
5+00S  
6+00S  
7+00S  
8+00S  
9+00S  
10+00S  
11+00S  
12+00S  
13+00S  
14+00S  
15+00S  
16+00S

STATIONS

LEGEND

- 1/2 FIELD STRENGTH
- - - FRASER FILTERED IN-PHASE DATA

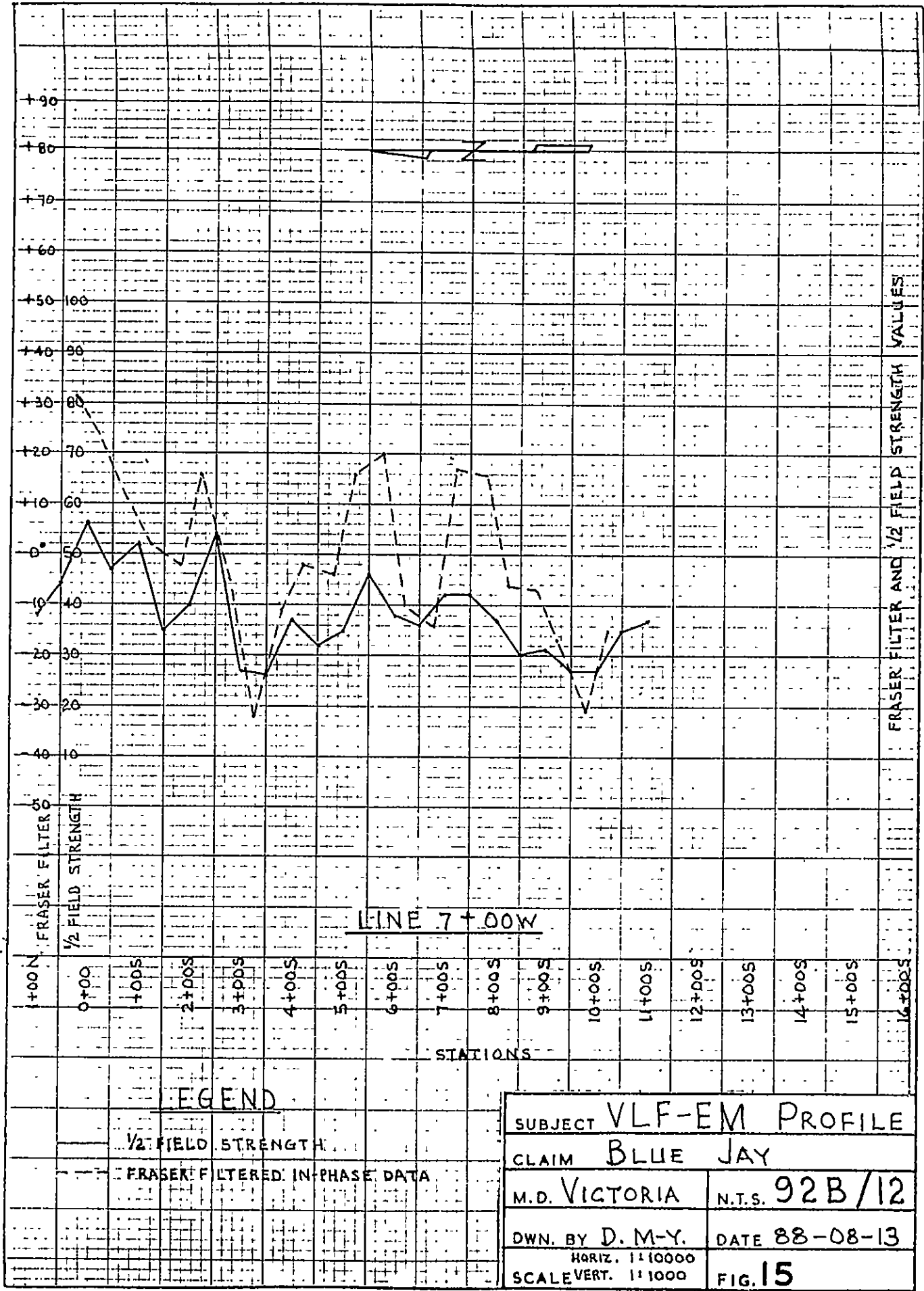
SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D.M-Y.	DATE 88-08-13
HORIZ. 1:10000	FIG. 13
SCALE VERT. 1:1000	



LINE 8+00W

LEGEND	
	1/2 FIELD STRENGTH
	FRASER FILTERED, IN-PHASE, DATA

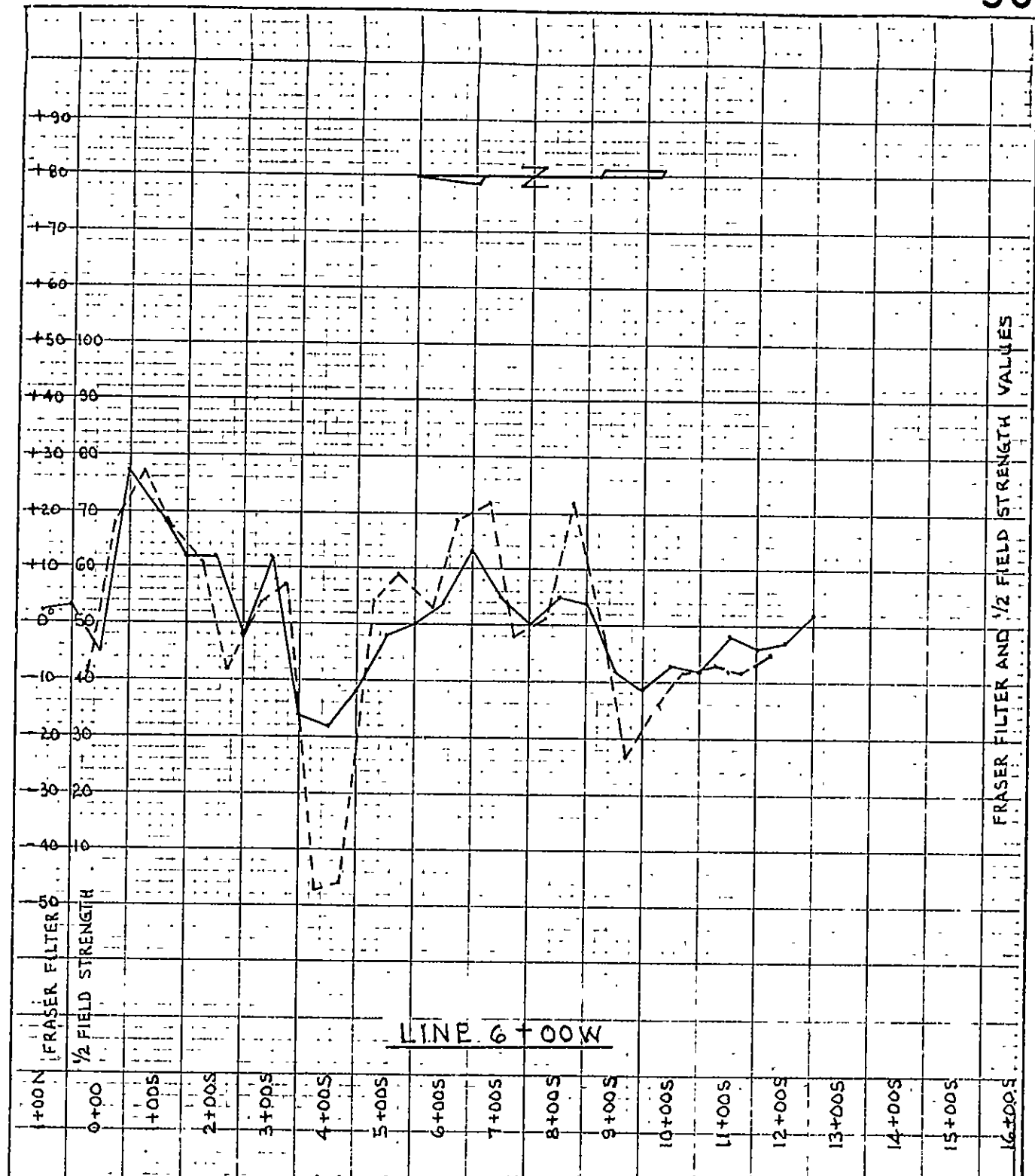
SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D.M-Y.	DATE 88-08-13
HORIZ. 1:10000	FIG. 14
SCALE VERT. 1:1000	



LEGEND

- 1/2 FIELD STRENGTH
- FRASER FILTERED IN-PHASE DATA

SUBJECT VLF-EM PROFILE  
 CLAIM BLUE JAY  
 M.D. VICTORIA N.T.S. 92B/12  
 DWN. BY D. M-Y. DATE 88-08-13  
 HORIZ. 1:10000  
 SCALE VERT. 1:1000  
 FIG. 15



LINE 6+00W

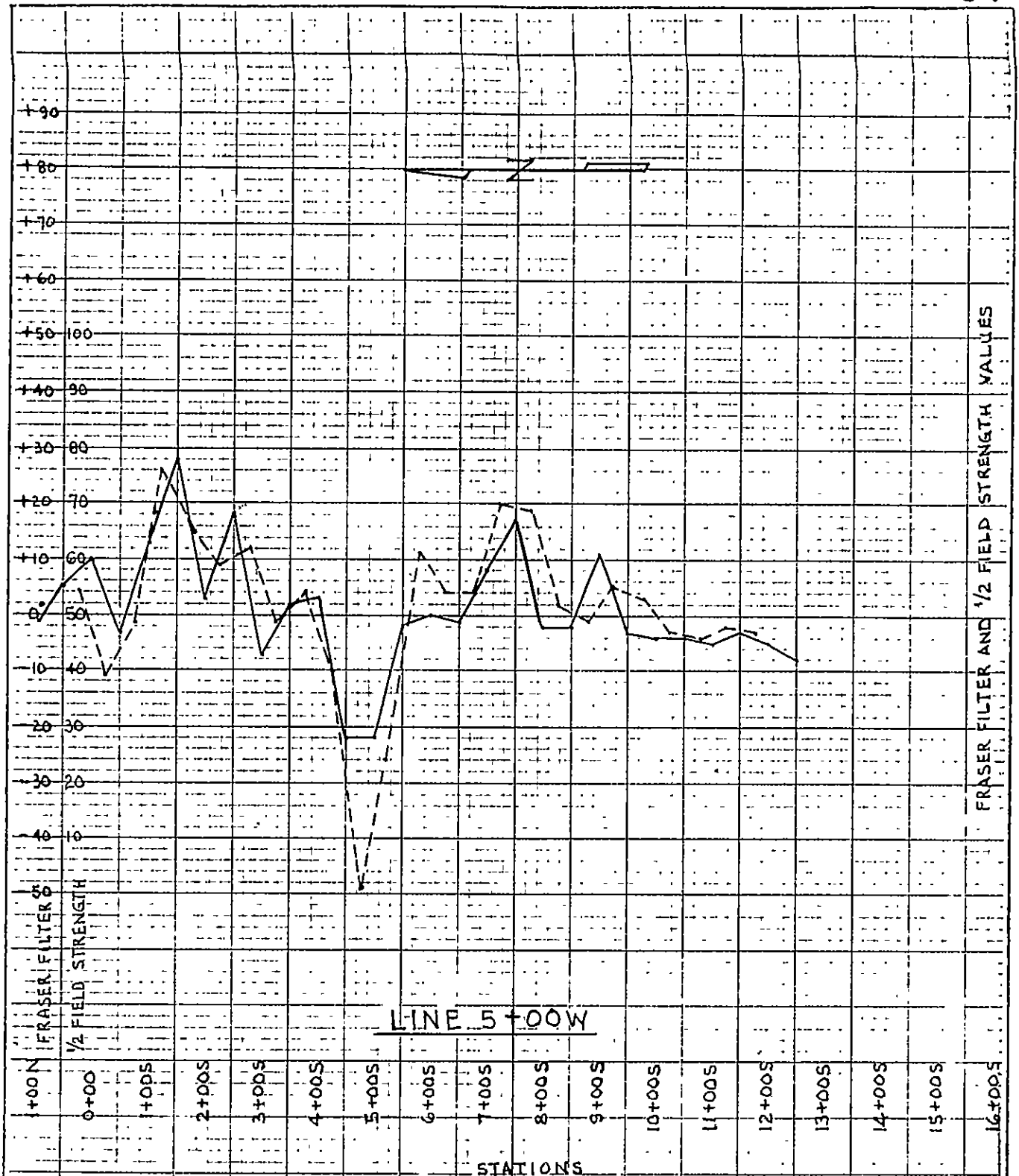
STATIONS

LEGEND

- 1/2 FIELD STRENGTH
- - - FRASER FILTERED, IN-PHASE DATA

SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D.M-Y.	DATE 88-08-13
HORIZ. 1:10000	FIG. 16
SCALE VERT. 1:1000	



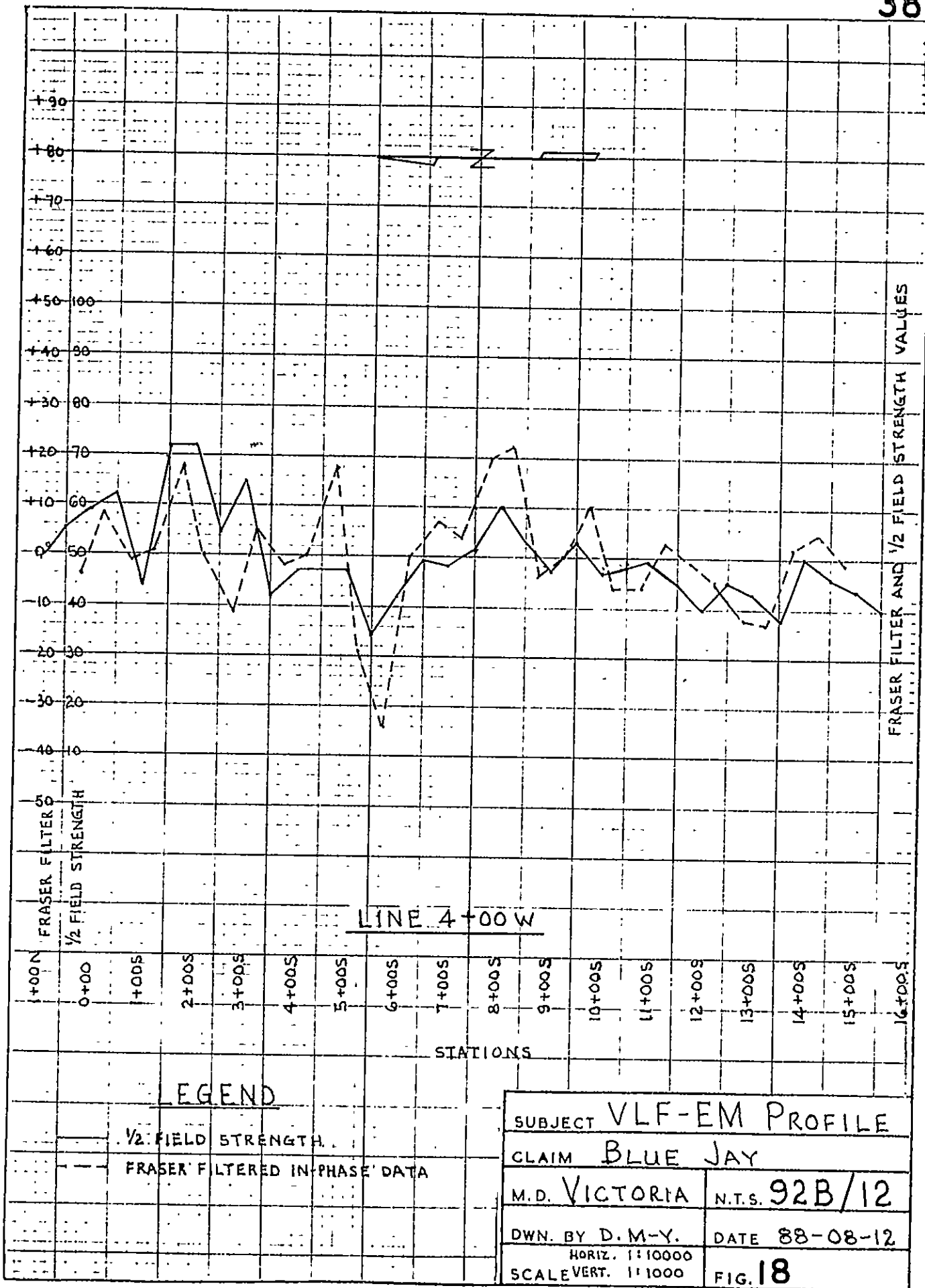


LINE 5+00W

LEGEND

— 1/2 FIELD STRENGTH  
 - - - FRASER FILTERED IN-PHASE DATA

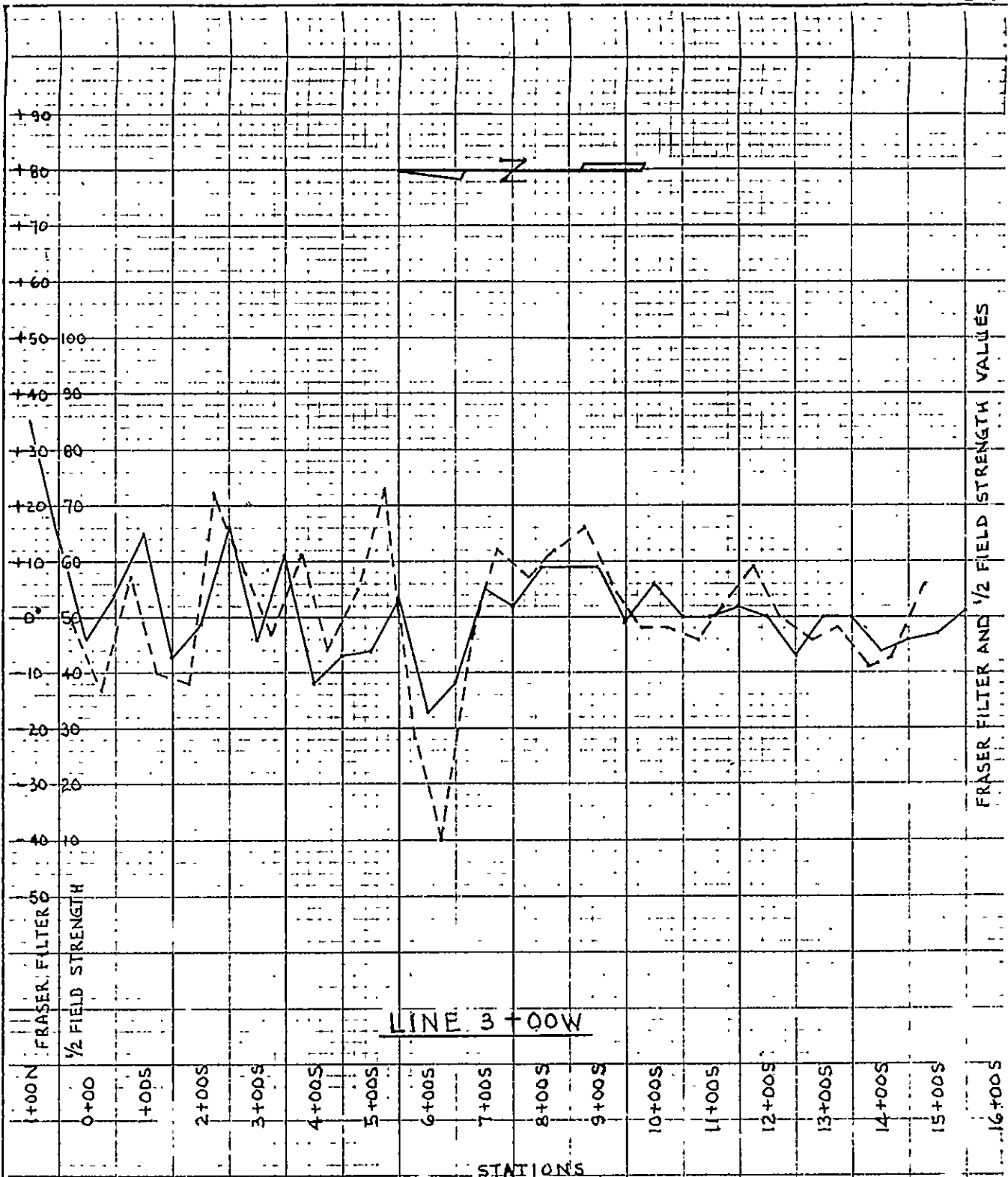
SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D. M-Y.	DATE 88-08-12
HORIZ. 1:10000	FIG. 17
SCALE VERT. 1:1000	



LEGEND

— 1/2 FIELD STRENGTH  
 - - - FRASER FILTERED IN-PHASE DATA

SUBJECT VLF-EM PROFILE  
 CLAIM BLUE JAY  
 M.D. VICTORIA N.T.S. 92B/12  
 DWN. BY D.M-Y. DATE 88-08-12  
 HORIZ. 1:10000  
 SCALE VERT. 1:1000  
 FIG. 18

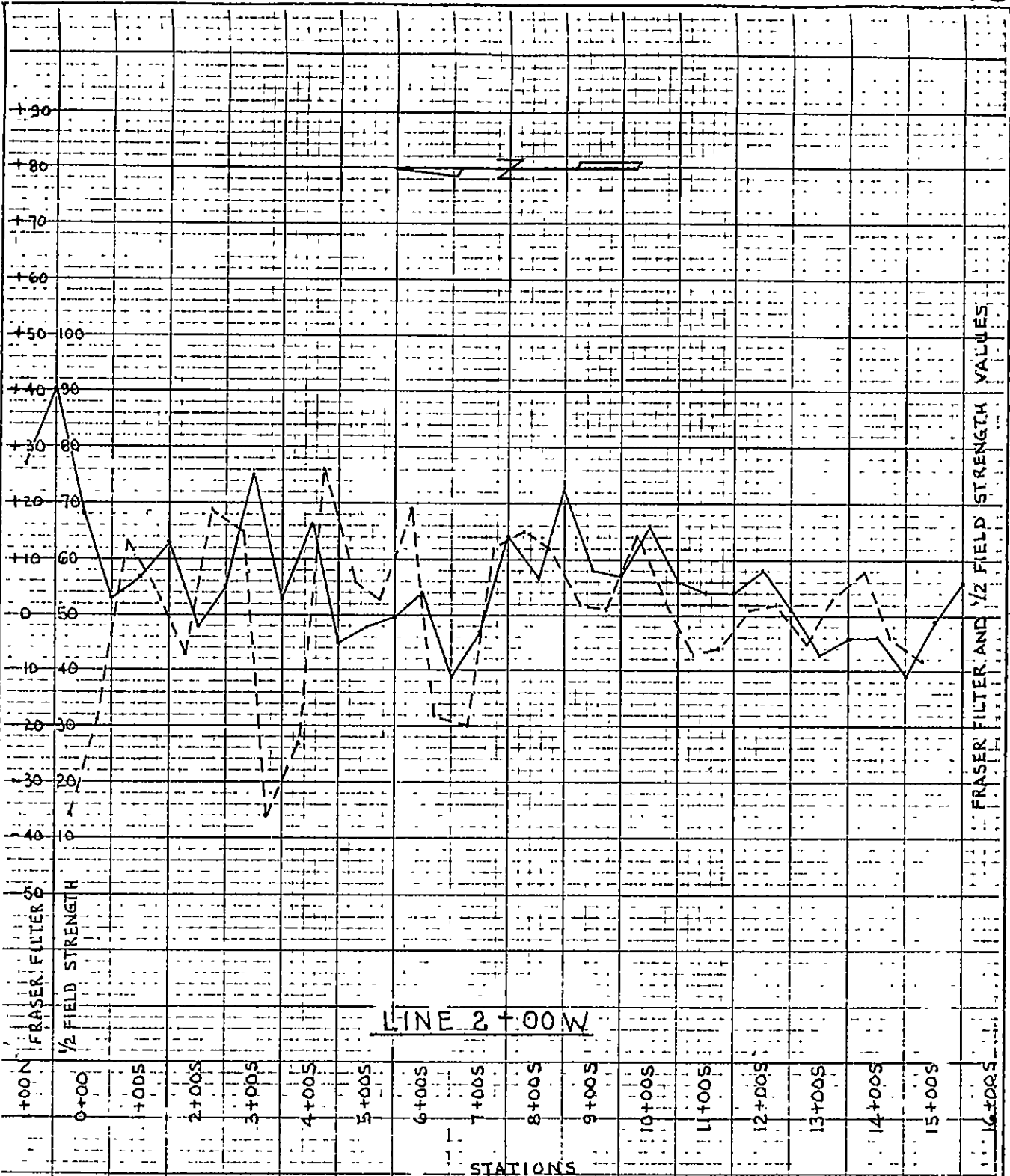


LINE 3+00W

LEGEND

- 1/2 FIELD STRENGTH
- - - FRASER FILTERED, IN-PHASE DATA

SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D. M-Y.	DATE 88-08-12
HORIZ. 1:10000	FIG. 19
SCALE VERT. 1:1000	



LINE 2+00W

FRASER FILTERED  
1/2 FIELD STRENGTH

FRASER FILTERED AND 1/2 FIELD STRENGTH VALUES

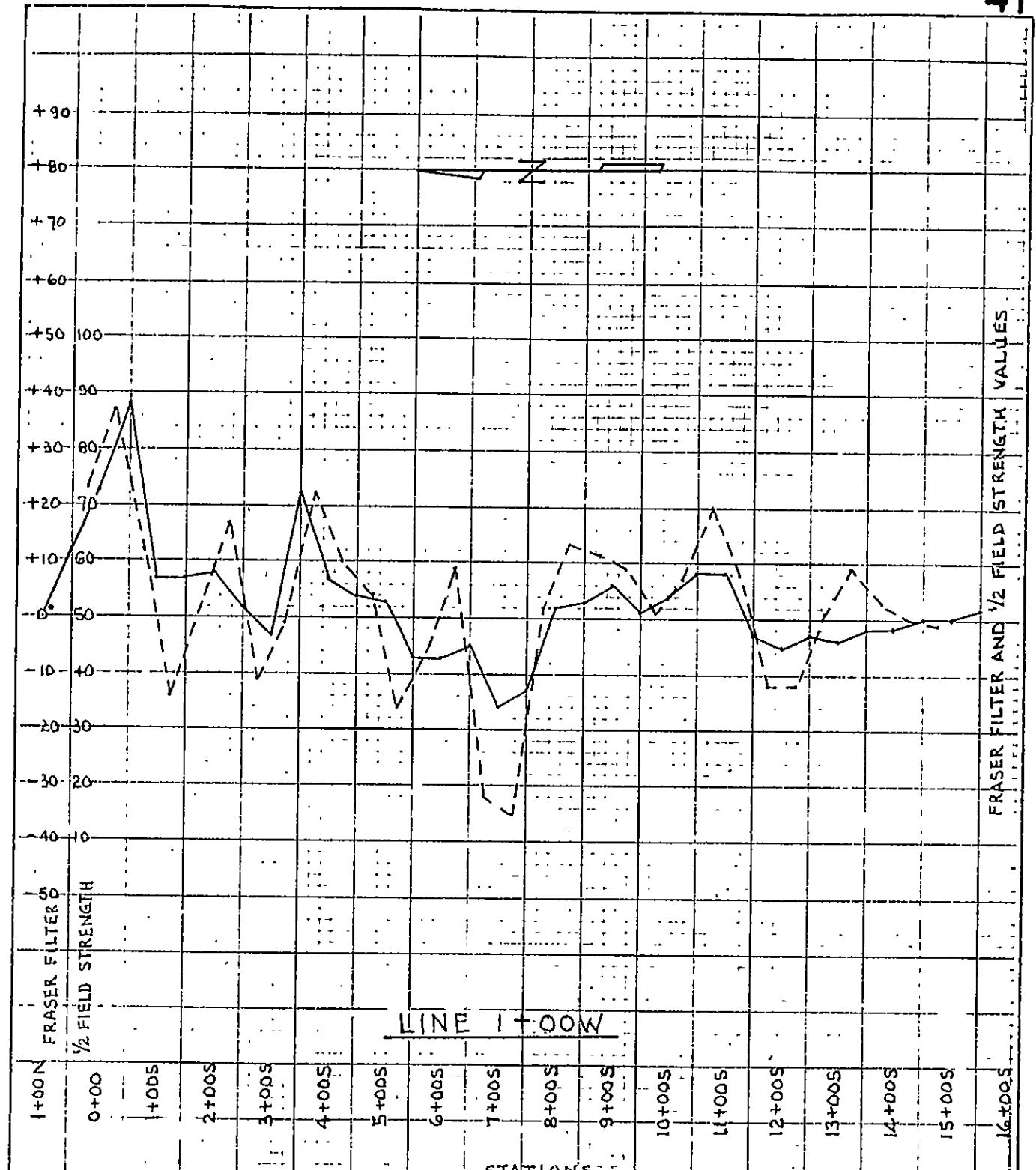
STATIONS

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00

LEGEND

— 1/2 FIELD STRENGTH  
- - - FRASER FILTERED, IN-PHASE DATA

SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D. M-Y.	DATE 88-08-12
HORIZ. 1:10000	FIG. 20
SCALE VERT. 1:1000	



LINE 1+00W

FRASER FILTERED  
1/2 FIELD STRENGTH

FRASER FILTER AND 1/2 FIELD STRENGTH VALUES

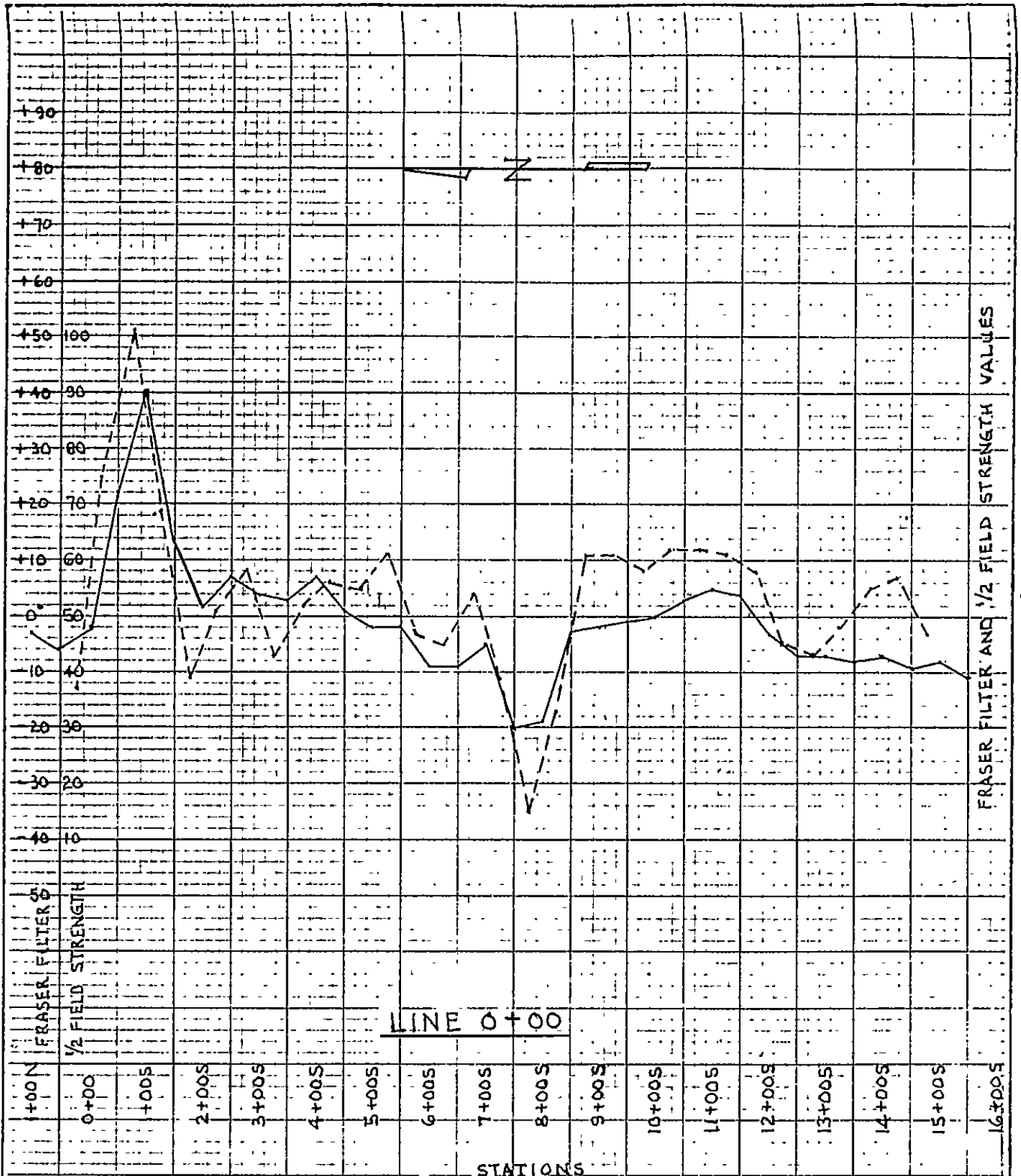
1+00N 0+00 +00S 2+00S 3+00S 4+00S 5+00S 6+00S 7+00S 8+00S 9+00S 10+00S 11+00S 12+00S 13+00S 14+00S 15+00S 16+00S

STATIONS

LEGEND

— 1/2 FIELD STRENGTH  
 - - - FRASER FILTERED IN-PHASE DATA

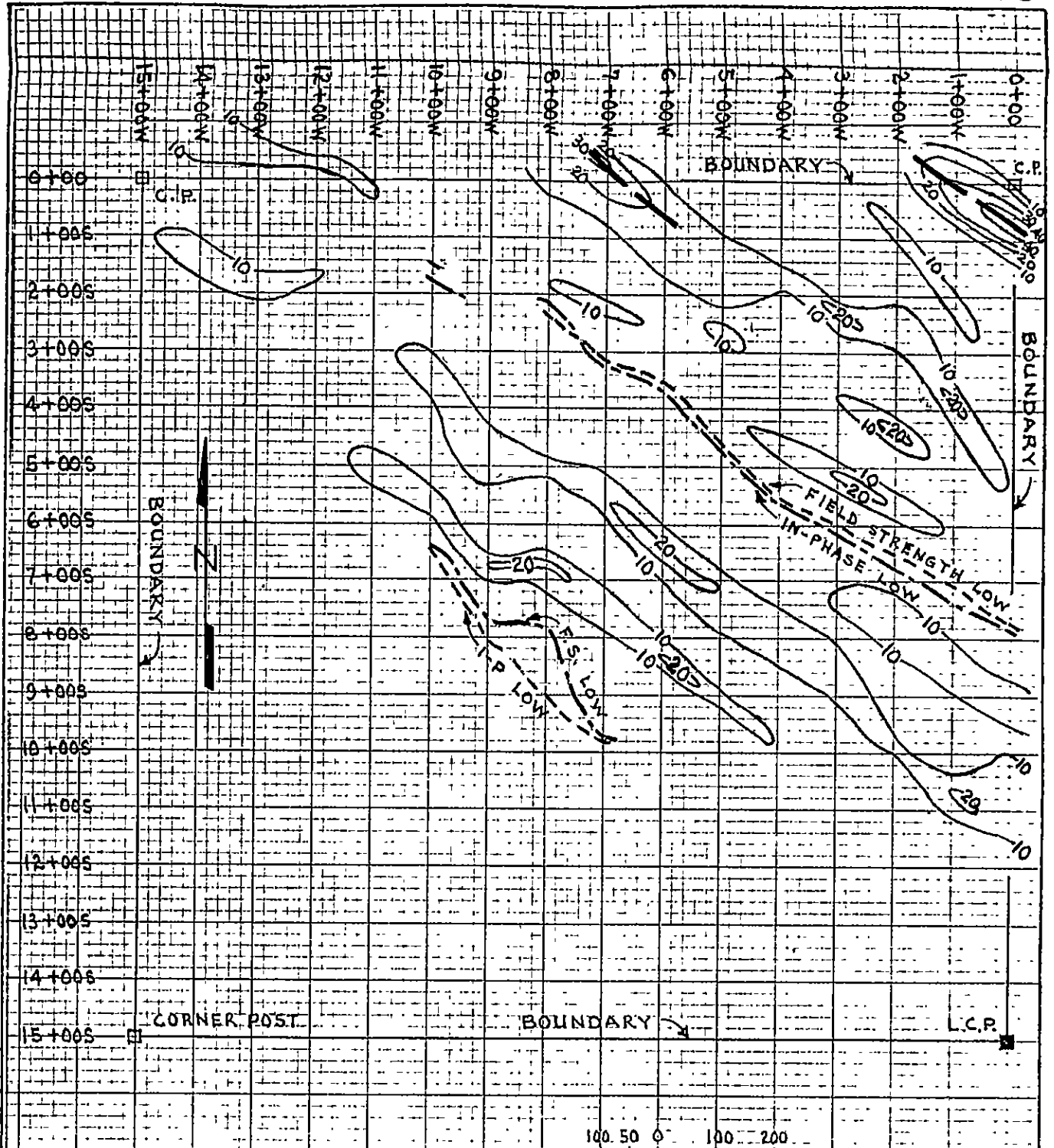
SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D. M-Y.	DATE 88-08-12
HORIZ. 1" 10000	FIG. 21
SCALE VERT. 1" 1000	



LEGEND

1/2 FIELD STRENGTH  
 FRASER FILTERED IN-PHASE DATA

SUBJECT VLF-EM PROFILE	
CLAIM BLUE JAY	
M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D.M-Y.	DATE 88-08-12
HORIZ. 1:10000	
SCALE VERT. 1:1000	FIG. 22



**LEGEND**

- FRASER FILTERED IN-PHASE DATA CONTOURED AT 10° INTERVALS
- EM CONDUCTOR
- FRASER FILTERED IN-PHASE LOW
- FIELD STRENGTH LOW
- L.C.P. LEGAL CORNER POST
- CORNER POST

SUBJECT CONTOURED FRASER FILTERED DATA  
CLAIM BLUE JAY

M.D. VICTORIA	N.T.S. 92B/12
DWN. BY D.M-Y.	DATE 88-10-12
SCALE AS SHOWN	FIG. 23

ITEMIZED COST STATEMENT

1. Cutting 7.5 km of grid lines and conducting VLF-EM survey on existing grid. Mr. D. Milwarde-Yates. Days and part days: May 21st to July 23rd, 1988. 150 hrs at \$11.50/hr	\$1725.00
2. Cost of interpolation of data, plotting, drafting, report writing and printing. D. Milwarde-yates. Intermittent days between Aug 1 and Oct 15, 1988	1500.00
3. Travel: D. Milwarde-Yates - 18 trips from Sooke to claim @ 70km/round trip, 1260 km @ 15¢/km	189.00
4. Meals at claim site: D. Milwarde-Yates - 38 @ \$5.00	190.00
<u>TOTAL</u>	\$3604.00

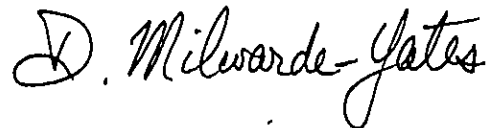


STATEMENT OF QUALIFICATIONS

I, Dev Milwarde-Yates of 6059 Meota Dr., Sooke B.C. hereby certify the following:

1. That I am a graduate of the Annual Mineral Exploration Course (1984) at Cowichan Lake B.C.
2. That I am a graduate of the Basic Prospecting Course (1984) at Camosun College, Victoria, B.C.
3. That I have been actively prospecting in British Columbia in excess of ten years.
4. That I have been actively employed as a civil engineering technologist in British Columbia in excess of fifteen years.
5. That this report and the information contained herein was compiled from the field surveys and examination of a portion of the Blue Jay claim which I conducted between May 21 and July 23 1988.

Dated at Victoria, this 24th day of October, 1988.



D. Milwarde-Yates

REFERENCES

Garratt, G.L. 1986 Report which formed part of the Valentine Gold prospectus, including references to work done by Cowan, Fairchild, Grove, Peatfield, Read & Wingert.

Pacific Forest Products - Fire Access Map, 1982.

Parasnis - Mining Geophysics