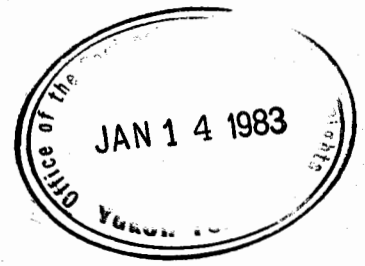


COMINCO LTD.



WESTERN DISTRICT

EXPLORATION
N.T.S. 105H/12



ASSESSMENT REPORT

GEOLOGY, GEOCHEMISTRY, GEOPHYSICS

FIN PROPERTY

WATSON LAKE M.D.

YUKON TERRITORY

LATITUDE: 61°40'N

LONGITUDE: 129°50'W

WORK PERIOD: JUNE 1 to AUGUST 23, 1982

091407

JANUARY, 1983

T.W. HODSON

This report has been examined by
the Geological Survey of Canada
under Section 23 of the Quartz
Mining Act and is hereby
reproduced as a public document
of \$ 120,000.

P. Watson

for Regional Director, Exploration and
Geological Services for Commissioner
of Yukon Territory.

091407

Worksheet - Fin Property



Total value of work = \$ 127,605.29

Work done = June 1 - August 23, 1982

Work Cost Breakdown:

Fin 1-56 : Geology, Geochem, Geophysics

: total value = \$ 85,668.24

: \$ 1529.79 per claim

Fin 69, 71, 73-113, 115-118, 127-129, 213-282,
389-392, 399-406, 411-420, 428-434,
446-448, 455 (15 claims total)

: Geology, Geochem.

: total value = \$ 41,937.04

: \$ 274.09 per claim for 152 claims

: \$ 275.36 per Fin 455

91407
geophysical
report

Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

RECEIVED
MAY 11 1983
M.T.B.

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~an~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

<u>Grant No.</u>	<u>Claim</u>
------------------	--------------

YA 45939-954

Fin 253-268

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12

in the Watson Lake ^{Frances Lake} Mining District, to the value of at least 4385.44

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3380

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-3 requested).

<u>Grant No.</u>	<u>Claim</u>	(Cominco Ltd)
------------------	--------------	---------------

YA 45939-954

Fin 253-268

Dec 84

Please apply 2yrs. to each (\$3200)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology + Geochem, June 1 - Aug. 23/82, on Fin 253-268 4385.44

Amount available	4385.44
Work applied	3200.00
Remainder	<u>1185.44</u>

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

Cg Jbe
Notary Public

S. Weller
Applicant.

091407

(Work done by: T. Hodson, P Saribara, R Edmunds, B Mauer, D Corlidge - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.

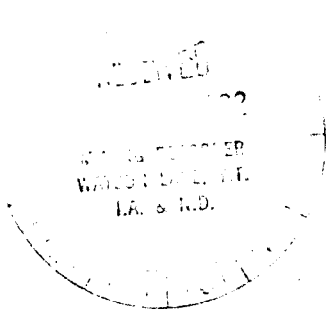


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

<u>Grant No.</u>	<u>Claim</u>
------------------	--------------

YA45773 - 788

Fin 87-102

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12

in the Watson Lake Mining District, to the value of at least 4385.44

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3384

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-30 requested).

<u>Grant No.</u>	<u>Claim</u>	<u>Cominco Ltd.</u>
------------------	--------------	---------------------

YA45773 - 788

Fin 87-102 ^{1 Dec 81}

Please apply 2 yrs. to each (\$3200)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology + Geochem, June 1 - Aug. 23/82, on Fin 87-102 4385.44

Amount available	4385.44
Work applied	3200.00
Remainder	1185.44

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

Ce Hse
Notary Public

S. Weller
Applicant.

(Work done by: T. Hodson, P. Sorbara, R. Edmunds, B. Mawer, D. Coolidge - Cominco Staff)

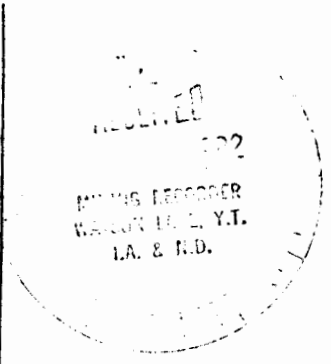
Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~the~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No. Claim

YA 45761 - 764 Fin 75-78
YA 45792, YA 45794, YA 45796 Fin 106, 108, 110
YA 45798, YA 45803 - 804 Fin 112, 117 - 118
YA 45813, YA 45815 Fin 127, 129

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12

in the Watson Lake Frances Lake Mining District, to the value of at least 3289.08

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3353

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-29

Grant No. Claim

YA 45761 - 764 Fin 75-78 ^{1 Dec 81} Please apply 2 yrs.
YA 45792, YA 45794 Fin 106, 108 to each. (# 3000)
YA 45796, YA 45798 Fin 110, 112 "
YA 45800 Fin 114 "
YA 45803 - 804 Fin 117-118 "
YA 45811 - 813 Fin 125-127 v
YA 45815 Fin 129 "

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology + Geochem, June 1 - Aug. 23/82, on Fin 75-78, 106, 108, 110, 112, 117-8, 127, 129 3289.08

Amount available	3289.08
Work applied	3000.00
Remainder	289.08

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. Hise
Notary Public

S. Weller
Applicant.

Work done by: T. Hodson, P. Saribara, R. Edmunds, B. Maurer, D. Conlidge - Cominco Staff

Technical Report will be sent to Watson Lake by
January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

RECEIVED
NOV 13 1982
VANCOUVER I.T.
I.A. & N.D.

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~an~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35013	Fin 12
YA 45759-760	Fin 73-74
YA 45814	Fin 128

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Watson Lake ^{Frances Lake} Mining District, to the value of at least _____

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3352

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-28

Grant No.	Claim	Cominco Ltd.
YA 45759-760	Fin 73-74	Dec 81 Please apply 2 yrs.
YA 45806-810	Fin 119-124	" to each (\$2600)
YA 45814	Fin 128	"
YA 45816-819	Fin 130-133	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 12	Remainder on Fin 13	856.71
Geology, Geochem., June 1 - Aug 23/82, on Fin 73, 74, 128		1529.79
		822.27
		<u>3208.77</u>

Amount available	3208.77
Work applied	<u>2600.00</u>
Remainder	608.77

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

G. Hae

Notary Public

S. Weller

Applicant.

(Work done by T. Hodson, P. Barbara, R. Edmunds, B. Mawer, D. Coolidge - Cominco Staff)

with the permission of the Minister of Indian Affairs and Northern Development
 Technical Report will be sent to Watson Lake by
 January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~the~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA45919	Fin 233
YA45921-922	Fin 235-236
YA56125, YA56140	Fin 433, 448

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least 2173.80
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3389

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-
 requested).

Grant No.	Claim	Cominco Ltd.
YA45919	Fin 233	^{1 Dec 81} Please apply 2 yrs. to
YA45921-922	Fin 235-236	each (\$600)
YA56125	Fin 433	^{11 Nov 82} Please apply 4 yrs. to
YA56140	Fin 448	each (\$800)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating
dates work commenced and ended in the twelve months in which such work is required to be done as shown by
 Section 53.)

Remainder on Fin 5	803.3
Geology + Geochem, June 1 - Aug. 23/82, on Fin 233, 235-36,	1370.4
433, 448	2173.8
Amount available	2173.80
Work applied	1400.00
Remainder	773.80

Sworn before me at Vancouver, B.C.
 this 8 day of November 1982

Cs. H. Lee
 Notary Public

S. Weller
 Applicant.

(Work done by: T. Hodson, P. Sorbara, R. Edmunds,
 B. Mowbray, D. Goodridge - Cominco Staff)

Technical Report will be sent to Watson Lake by
January 11, 1983.

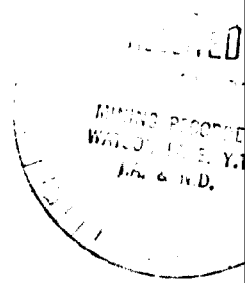


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA45903	Fin 217
YA45905-918	Fin 219-232
YA45924	Fin 238

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 4385.44
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 33355

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-3 requested).

Grant No.	Claim	Cominco Ltd.
YA45903	Fin 217 ^{1 Dec 84}	Please apply 2 yrs. to each (\$3200)
YA45905-918	Fin 219-232	
YA45924	Fin 238	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology + Geochem, June 1 - Aug. 23/82, on Fin 217, 219-232, 238

4385.44

Amount available	4385.44
Work applied	3200.00
Remainder	1185.44

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

C. Lee

Notary Public

Notary Public in and for the Province of British Columbia

S.A. Weller
Applicant.

{ Work done by: T. Hodson, P. Barbara, R. Edmunds, B. Mawer, D. Coolidge - Cominco Staff }

Technical Report will be sent to Watson Lake by January 11, 1983.

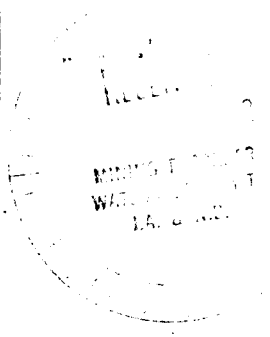


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~an~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

<u>Grant No.</u>	<u>Claim</u>
YA45765	Fin 79
YA45923	Fin 237
YA45925-938	Fin 239-252

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least 4385.44
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3351

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82- requested).

<u>Grant No.</u>	<u>Claim</u>	<u>Cominco Ltd.</u>
YA45765	Fin 79	Please apply 2 yrs. to each (\$3200)
YA45923	Fin 237	
YA45925-938	Fin 239-252	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology + Geochem, June 1 - Aug. 23/82, on Fin 79, 237, 239-252
4385.44

Amount available	4385.44
Work applied	3200.00
Remainder	1185.44

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. A. B. e
Notary Public

S. Weller
Applicant.

(Work done by: T. Hodson, P. Sorbara, R. Edmunds, B. Mauer, D. Coulter - Cominco Staff)

Technical Report will be sent to Watson Lake by
January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

RECEIVED
WATSON LAKE, Y.T.
I.A. & N.D.

OFFICE DATE STAMP

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

MAKE OATH AND SAY, THAT:-

1. I am ~~an~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I am~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA45766-772	Fin 80-86
YA45789-791	Fin 103-105
YA45793, YA45795, YA45797	Fin 107, 109, 111
YA45799, YA45801-802	Fin 113, 115-116

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12

in the Watson Lake Mining District, to the value of at least 4385.44

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3386

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82 - requested).

Grant No.	Claim
YA45766-772	Fin 80-86
YA45789-791	Fin 103-105
YA45793, YA45795	Fin 107, 109
YA45797, YA45799	Fin 111, 113
YA45801-802	Fin 115-116

Cominco Ltd.
Please apply 2 yrs. to each (\$3200)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology + Geochem, June 1 - Aug. 23/82, on Fin 80-86, 103-105, 107, 109, 111, 113, 115-116, 4385

Amount available	4385.44
Work applied	3200.00
Remainder	1185.44

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. J. H. R.
Notary Public

S. Weller
Applicant.

(work done by: T. Hodson, P. Sorbara, R. Edmunds, B. Mawer, D. Coolidge - Cominco Staff)

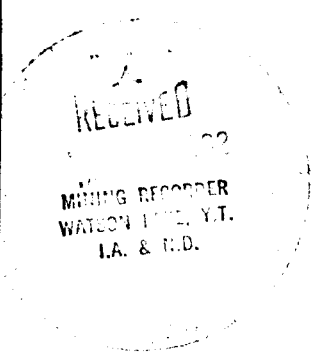
Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.
Cominco Ltd.

2. ~~I am~~ caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35035	Fin 34
YA 45960 - 961	Fin 274 - 275
YA 56081 - 082	Fin 389 - 390
YA 56084	Fin 392

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
in the Watson Lake Mining District, to the value of at least 5026.47
dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3361

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.) Fin 82-7

Grant No.	Claim	Renewal Period
YA 45960 - 961	Fin 274 - 751 Dec 81	Please apply 2 yrs. to each (\$400)
YA 56072, YA 56074	Fin 380, 382	Nov 82
YA 56076	Fin 384	Please apply 4 yrs.
YA 56078 - 082	Fin 386 - 390	to each (\$3600)
YA 56084	Fin 392	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 3, 33	2126.23
Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 34	1529.79
Geology + Geochem., June 1 - Aug 23/82, on Fin 274-5, 389-90, 392	1370.45
	5026.47

Amount available 5026.47
Work applied 4000.00
Remainder 1026.47 onto Fin 34
Remainder to be used on Group Fin 82-8

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. J. Fox
Notary Public

S. Weller
Applicant.

(work done by T. Hodgson, P. Scibarra, R. Edmunds, B. Mawer, D. Coolidge - Cominco Staff)

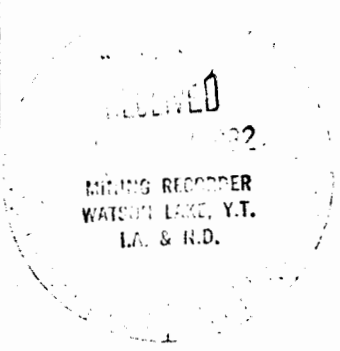
Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~the~~ agent of the owner, of the mineral claim(s) to which reference is made herein.
Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35034, YA 35036	Fin 33, 35
YA 45962 - 963	Fin 276 - 277
YA 56083, YA 56092	Fin 391, 400
YA 56094, YA 56096	Fin 402, 404

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
in the Watson Lake Mining District, to the value of at least 5482.81
dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3-320

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-6

Grant No.	Claim	Cominco Ltd.
YA 45962-963	Fin 276-277	^{Dec 84} Please apply 2 yrs. to each (\$400)
YA 56071, YA 56073	Fin 379, 381	^{Nov 82}
YA 56075, YA 56077	Fin 383, 385	"
YA 56083, YA 56086	Fin 391, 394	Please apply 4 yrs. to each (\$4400)
YA 56088, YA 56090	Fin 396, 398	"
YA 56092, YA 56094	Fin 400, 402	"
YA 56096	Fin 404	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 32	778.69
Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 33, 35	3059.58
Geology + Geochem, June 1 - Aug. 23/82, on Fin 276-7, 391, 400, 402, 404	1644.54
	<u>5482.81</u>

Amount available 5482.81
Work applied 4800.00
Remainder 682.81 onto Fin 33
Remainder to be used on Group Fin 82-7

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. G. He
Notary Public

A. Weller
Applicant.

(Work done by T. Hodgson, P. Barbara, R. Edmunds, B. Mauer, D. Coolidge - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.

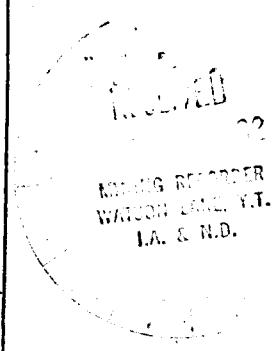


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35033, YA 45964-66	Fin 32, 278-279
YA 56091, YA 56093, YA 56095	Fin 399, 401, 403
YA 56098, YA 56104	Fin 406, 412
YA 56106, YA 56108	Fin 414, 416

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12

in the Watson Lake Mining District, to the value of at least 5978.69

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3359

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested) Fin 82-5

Grant No.	Claim	Cominco Ltd.
YA 45964-965	Fin 278-279	Dec 84 Please apply 2 yrs. to each (\$400).
YA 56085, YA 56087	Fin 393, 395	Nov 82
YA 56089, YA 56091	Fin 397, 399	"
YA 56093, YA 56095	Fin 401, 403	" Please apply 4 yrs. to each (\$4800)
YA 56098, YA 56100	Fin 406, 408	"
YA 56102, YA 56104	Fin 410, 412	"
YA 56106, YA 56108	Fin 414, 416	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 31	1982.09
Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 32	1529.79
Geology + Geochem., June 1 - Aug 23/82, on Fin 278-9, 399, 401, 403, 406, 412, 414, 416	2466.81
	5978.69

Amount available 5978.69
 Work applied 5200.00
 Remainder 778.69 onto Fin 32
 Remainder to be used on Group Fin 82-6

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

Co. Hol
Notary Public

S. Weller
Applicant.

A Notary Public in and for the Province of British Columbia

(Work done by: T. Hodgson, P. Barbara, R. Edmunds, B. Mawer, D. Coaldrake - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.

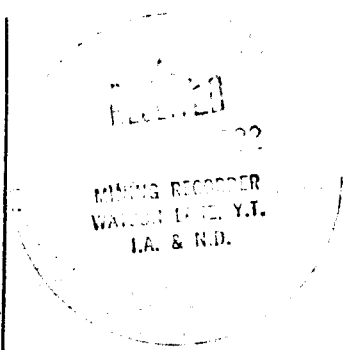


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~the~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
-----------	-------

YA35029, YA35031-32	Fin 28, 30-31
YA45966-67, YA56097	Fin 280-81, 405
YA56103, YA56105, YA56107	Fin 411, 413, 415
YA56110, YA56120	Fin 418, 428

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12

in the Watson Lake Mining District, to the value of at least 6782.09

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3538

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested) Fin 82-4

Grant No.	Claim	Cominco Ltd.
-----------	-------	--------------

YA45966-967	Fin 280-281	Please apply 2 yrs. to each (\$400)
YA56097, YA56099	Fin 405, 407	Dec 81 Nov 82
YA56101, YA56103	Fin 409, 411	Please apply 4 yrs. to each. (\$4400)
YA56105, YA56107	Fin 413, 415	"
YA56110, YA56114	Fin 418, 422	"
YA56116, YA56118	Fin 424, 426	"
YA56120	Fin 428	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 28, 30, 31	4589.37
Geology + Geochem, June 1 - Aug. 23/82, on Fin 280-1, 405, 411, 413, 415, 418, 428	2192.72
	6782.09

Amount available 6782.09

Work applied 4800.00

Remainder 1982.09 onto Fin 31

Remainder to be used on Group Fin 82-5

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

C. A. Ise

Notary Public

A Notary Public in and for the Province of British Columbia

S. Weller

Applicant.

(Work done by: T. Hodgson, P. Sarbarua, R. Edmunds, B. Mawer, D. Coaldrie - Cominco Staff)

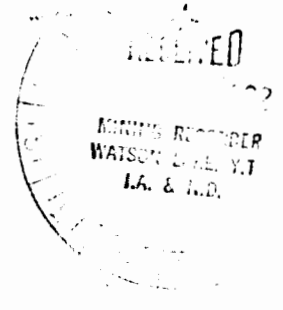
Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA35004, YA35007	Fin 3, 6
YA45901, YA45904	Fin 215, 218
YA45920, YA56123, YA56126	Fin 234, 431, 434
YA56138-139, YA56147	Fin 446-47, 455

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Watson Lake Frances Lake Mining District, to the value of at least 6043.42
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3357

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-3 requested).

Grant No.	Claim	Cominco Ltd
YA45901, YA45904	Fin 215, 218 ^{1 Dec 84}	Please apply 2 yrs. to each (\$600)
YA45920	Fin 234 ["]	
YA56123, YA56126	Fin 431, 434 ^{11 Nov 82}	Please apply 4 yrs. to each (\$4000)
YA56135-139	Fin 443-447 ["]	
YA56145-147	Fin 453-455 ["]	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 2	789.85
Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 3, 6	3059.58
Geology + Geochem., June 1 - Aug. 23/82, on Fin 215, 218, 234, 431, 434, 446, 447	1918.63
455	275.36
Amount available	6043.42
Work applied	4600.00
Remainder	1443.42 onto Fin 3
Remainder to be used on Group	Fin 82-7

Sworn before me at Vancouver, B.C.
 this 8 day of November 1982

C. J. Ibe
 Notary Public

S. Weller
 Applicant.

Notary Public in and for the Province of British Columbia

(Work done by T. Hadzian, P. Sarbarca, R. Edmunds, B. Maurer, D. Colledge - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35003, YA 35030	Fin 2, 29
YA 45900, YA 45968	Fin 214, 282
YA 56109, YA 56112	Fin 417, 420
YA 56122	Fin 430

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
in the Watson Lake Mining District, to the value of at least 5589.85

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3356

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-2 requested).

Grant No.	Claim	Cominco Ltd.
YA 45900, YA 45968	Fin 214, 282 ^{1248H}	Please apply 2 yrs. to each (#400)
YA 56109	Fin 417 ^{11NOV82}	
YA 56112-3, YA 56115	Fin 420-421, 423 ⁿ	Please apply 4 yrs. to each. (#4400)
YA 56117, YA 56119	Fin 425, 427 ["]	
YA 56122, YA 56130	Fin 430, 438 ["]	
YA 56132-133	Fin 440-441 ["]	
YA 56144	Fin 452 ["]	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 1	1159.82
Remainder on Fin 2, 29	3059.58
Geology + Geochem., June 1 - Aug 23/82, on Fin 214, 282, 417, 420, 430	1370.45
	5589.85

Amount available 5589.85
Work applied 4800.00
Remainder 789.85 onto Fin 2
Remainder to be used on Group Fin 82-3

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

Es Jiac
Notary Public

A. Weller
Applicant.

Acting District Registrar
The Province of British Columbia

(Work done by T. Hodgson, P. Barbara, R. Edmunds, B. Mauver, D. Gledhill - Cominco Staff)

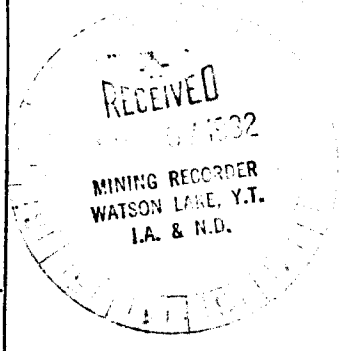
Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~owner~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35002, YA35005	Fin 1, 4
YA 35028	Fin 27
YA 45899, YA45902	Fin 213, 216
YA 56111, YA56121, YA56124	Fin 419, 429, 432

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12

in the Watson Lake Mining District, to the value of at least 5959.82

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3555

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested) Fin 82-1

Grant No.	Claim	Cominco Ltd
YA 45899, YA45902	Fin 213, 216	Dec 84 Please apply 2 yrs. to each. (\$400)
YA 56111	Fin 419	Nov 82
YA 56121, YA56124	Fin 429, 432	Nov 82 Please apply 4 yrs. to each. (\$4400)
YA 56127 - 129	Fin 435 - 437	"
YA 56131, YA56134	Fin 439, 442	"
YA 56141 - 143	Fin 449 - 451	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 1, 4, 27	4589.37
Geology + Geochem, June 1 - Aug 23/82, on Fin 213, 216, 419, 429, 432	1370.45
	<u>5959.82</u>

Amount available 5959.82
 Work applied 4800.00
 Remainder 1159.82 onto Fin 1
 Remainder to be used on Group Fin 82-2

Sworn before me at Vancouver, B.C.
 this 8 day of November 1982

Cs Hpc
 Notary Public

A. Weller
 Applicant.

(Work done by T. Hodgson, P. Barbara, R. Edmunds, B. Mawer, D. Cochrane - Cominco Staff)

Technical Report will be sent to Watson Lake by
January 11, 1983.

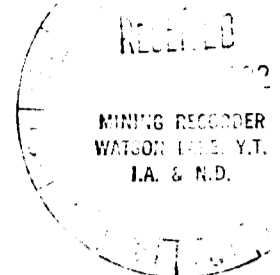


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35023, YA 35026	Fin 22, 25
YA 45955	Fin 269

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 4224.61
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 8366

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-12 requested).

Grant No.	Claim	Cominco Ltd.
YA 45955	Fin 269	Dec 84 Please apply 2 yrs. to claim (\$ 200)
YA 56017, YA 56019	Fin 325, 327	Nov 82
YA 56036-037	Fin 344-345	^ Please apply 4 yrs.
YA 56040-041	Fin 348-349	^ to each (\$ 3200)
YA 56054-055	Fin 362-363	^

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 22, 25	Remainder on Fin 24	890.94
Geology + Geochem, June 1 - Aug 23/82, on Fin 269		3059.58
		274.09
		<u>4224.61</u>

Amount available 4224.61
 Work applied 3400.00
 Remainder 824.61 onto Fin 25
 Remainder to be used on Group Fin 82-13

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. J. Roe

Notary Public for
Province of British Columbia

S. Weller
Applicant.

(Work done by: T. Hodgson, P. Sarbarca, R. Edmunds,
I. B. Mawer, D. Coakley - Cominco Staff)

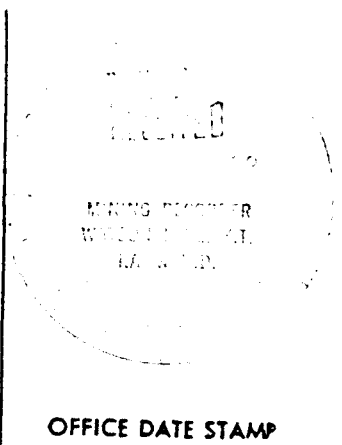
Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name) S.A. Weller Occupation Records Technician
(Postal Address) 700-409 Granville St., Vancouver

MAKE OATH AND SAY, THAT:-

1. I am ~~an~~ agent of the owner, of the mineral claim(s) to which reference is made herein.
Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

<u>Grant No.</u>	<u>Claim</u>
<u>YA 35022, YA 35025</u>	<u>Fin 21, 24</u>
<u>YA 45957</u>	<u>Fin 271</u>

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
in the Watson Lake Mining District, to the value of at least 4290.94
dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3365
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-11 requested).

<u>Grant No.</u>	<u>Claim</u>	<u>Cominco Ltd.</u>
<u>YA 45957</u>	<u>Fin 271</u>	<u>Dec 82 Please apply 2 yrs. to claim. (\$200)</u>
<u>YA 56018</u>	<u>Fin 326</u>	<u>11 Nov 82</u>
<u>YA 56020-023</u>	<u>Fin 328-331</u>	<u>" Please apply 4 yrs. to each (\$3200)</u>
<u>YA 56038-039</u>	<u>Fin 346-347</u>	<u>"</u>
<u>YA 56056</u>	<u>Fin 364</u>	<u>"</u>

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

<u>Remainder on Fin 39</u>	<u>957.27</u>
<u>Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 21, 24</u>	<u>3059.58</u>
<u>Geology + Geochem., June 1 - Aug 23/82, on Fin 271</u>	<u>274.09</u>
	<u>4290.94</u>

Amount available 4290.94
Work applied 3400.00
Remainder 890.94 onto Fin 24
Remainder to be used on Group Fin 82-12

Sworn before me at Vancouver, B.C.
this 8 day of November 1982
C. A. H. C.
Notary Public

S. Weller
Applicant.

(Work done by T. Hodson, P. Sorbara, R. Edmunds, B. Mauer, D. Coolidge - Cominco Staff)

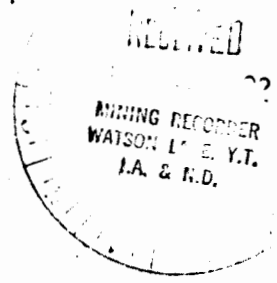
Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35040	Fin 39
YA 35042	Fin 41
YA 45956	Fin 270

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 4557.27
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3364

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-10

Grant No.	Claim	Cominco Ltd.
YA 45879, YA 45956	Fin 193, 270	Please apply 2 yrs. to each (\$400)
YA 56001, YA 56003	Fin 309, 311	Please apply 4 yrs. to each (\$3200)
YA 56005, YA 56007	Fin 313, 315	
YA 56016	Fin 324	
YA 56024-025	Fin 332-33	
YA 56042	Fin 350	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on	Fin 56	1223.60
Geology, Geochem., Geophy., June 1 - Aug 23/82, on	Fin 39, 41	3059.58
Geology + Geochem., June 1 - Aug 23/82, on	Fin 270	274.09
		<u>4557.27</u>

Amount available 4557.27
 Work applied 3600.00
 Remainder 957.27 onto Fin 39
 Remainder to be used on Group Fin 82-11

Sworn before me at Vancouver, B.C.
this 8 day of November 19 82

Cs Hox
Notary Public

A Weller
Applicant.

(Work done by T. Hodson, P. Sarbera, R. Edmunds, B. Mawer, D. Coolidge - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.

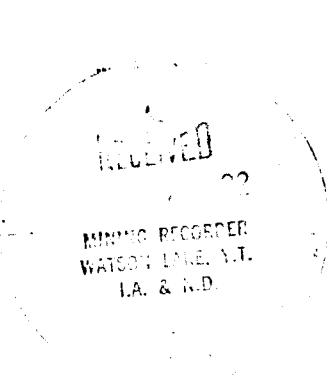


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35024	Fin 23
YA 35027	Fin 26
YA 35057	Fin 56

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 4823.60
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3365

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-9 requested).

Grant No.	Claim	Cominco Ltd.
YA 45880-881	Fin 194-195	Dec 82 Please apply 2 yrs. to each (\$ 400)
YA 56002, YA 56004	Fin 310, 312	Nov 82
YA 56006	Fin 314	" Please apply 4 yrs. to each (\$ 3200)
YA 56008-010	Fin 316-318	"
YA 56026-027	Fin 334-335	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 36 234.23
 Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 23, 26, 56 4589.37
4823.60

Amount available 4823.60
 Work applied 3600.00
 Remainder 1223.60 onto Fin 56
 Remainder to be used on Group Fin 82-10

Sworn before me at Vancouver, B.C.
this 8 day of November 19 82

C. G. F. H. B.
Notary Public

S. Weller
Applicant.

Notary Public in and for the Province of British Columbia

(Work done by: T. Hodson, P. Sarbara, R. Edmunds, B. Mawer, D. Conlidge - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.

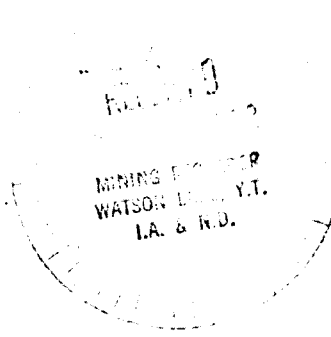


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~the~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35037-038	Fin 36-37
YA 45958-959	Fin 272-273

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 4634.23
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 336-2

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-8

Grant No.	Claim	Cominco Ltd.
YA 45958-959	Fin 272-273	Dec 84
YA 56057-063	Fin 365-371	Nov 82
YA 56065	Fin 373	"
YA 56067, YA 56069	Fin 375, 377	"

Please apply 2 yrs. to each (\$400)
 Please apply 4 yrs. to each (\$4000)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 34	1026.47
Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 36, 37	3059.58
Geology + Geochem., June 1 - Aug 23/82, on Fin 272, 273	548.18
	<u>4634.23</u>

Amount available 4634.23
 Work applied 4400.00
 Remainder 234.23 onto Fin 36
 Remainder to be used on Group Fin 82-9

Sworn before me at Vancouver, B.C.
 this 8 day of November 1982

C. J. Roe
 Notary Public

S. A. Weller
 Applicant.

(Work done by T. Hodgson, P. Sorbara, R. Edmunds, B. Mawer, D. Coolidge - Cominco Staff)

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35014, YA35016	Fin 13, 15
YA 45757	Fin 71

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Watson Lake ^{Frances Lake} Mining District, to the value of at least _____
dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3-1
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-2
requested).

Grant No.	Claim	Cominco Ltd
YA 45757 - 758	Fin 71-72 ^{Dec 84}	Please apply 2 yrs. to each (\$ 2600)
YA 45820 - 830	Fin 134-144	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 13, 15	Remainder on Fin 16	123.04
Geology + Geochem, June 1 - Aug. 23/82, on Fin 71		3059.58
		274.09
		<u>3456.71</u>

Amount available 3456.71
Work applied 2600.00
Remainder 856.71 onto Fin 13
Remainder to be used on Group Fin 82-28

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. H. e
Notary Public

D. Weller
Applicant.

(Work done by: T. Hodson, P Sorbara, R Edmunds,
B. Mauer, D. Conlidge - Cominco Staff
7145073 FIN 131)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 16	Remainder on Fin 17	719.16
Geology + Geochem, June 1 - Aug. 23/82, on Fin 69		1529.79
		274.09
		<u>2523.04</u>

Amount available 2523.04
Work applied 2400.00
Remainder 123.04 onto Fin 16
Remainder will be used on Group Fin 82-27

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. H. e
Notary Public

D. Weller
Applicant.

(Work done by: T. Hodson, P Sorbara, R Edmunds,
B. Mauer, D. Conlidge - Cominco Staff)

With the permission of the Mining Recorder, the Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA35015	Fin 14
YA35018	Fin 17

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Watson Lake ^{Frances Lake} Mining District, to the value of at least 3319.16
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3579
 (Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82 requested).

Grant No.	Claim	Cominco Ltd.
YA45753-754	Fin 67-68	Please apply 2yrs. to each (\$2600)
YA45838, YA45840	Fin 152, 154	
YA45842	Fin 156	
YA45844-848	Fin 158-162	
YA45857	Fin 171	
YA45859-860	Fin 173-174	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 14, 17
 Remainder on Fin 18
 259.9
 3059.9
 3319.9

Amount available 3319.16
 Work applied 2600.00
 Remainder 719.16 onto Fin 17
 Remainder will be used on Group Fin 82-26

Sworn before me at Vancouver, B.C.
 this 8 day of November 19 82

C. F. Lee
 Notary Public

S. Weller
 Applicant.

(Work done by T. Hadwin, P. Sarbara, R. Edmunds,)

with the permission of the Mining Recorder, the
Technical Report will be sent to Watson Lake by
January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

<u>Grant No.</u>	<u>Claim</u>
------------------	--------------

YA 35019-20

Fin 18-19

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least 3059.58
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3075

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-2 requested).

<u>Grant No.</u>	<u>Claim</u>	<u>Cominco Ltd.</u>
------------------	--------------	---------------------

YA 45750-752

Fin 64-66 Dec 81

Please apply 2 yrs.

YA 45849-856

Fin 163-170 "

to each (\$2800)

YA 45858

Fin 172 "

YA 45871-872

Fin 185-186 "

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 18, 19 3059.58

Amount available 3059.58

Work applied 2800.00

Remainder 259.58 onto Fin 18

Remainder to be used on Group Fin 82-25

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

Ce Hic

Notary Public

S Weller

Applicant.

(Work done by T. Hodgson, P. Sarbara, R. Edmunds, P. Maurice, D. Conlon - Cominco Staff)

with the permission of the Mining Recorder, the Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~an~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

<u>Grant No.</u>	<u>Claim</u>
YA35021	Fin 20

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 2606.43
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3371
 (Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82 -
 requested).

<u>Grant No.</u>	<u>Claim</u>	<u>Cominco Ltd</u>
YA45746	Fin 60	Dec 84
YA45748	Fin 62	"
YA45861-870	Fin 175-184	"
YA45878	Fin 192	"

Please apply 2 yrs. to each. (\$2600)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 52.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 20
 Remainder on Fin 47
 1076.64
 1529.79
 2606.43

Amount available	2606.43
Work applied	2600.00
Remainder	6.43

Sworn before me at Vancouver, B.C.
 this 8 day of November 1982

G. Roe

Notary Public

S. Weller

Applicant.

(Work done by: T. Hodson, P. Barbara, R. Edmunds,)

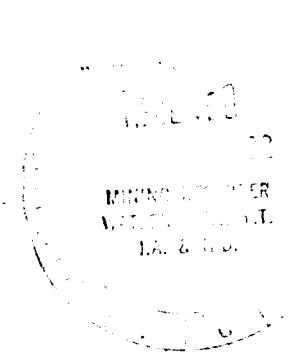
Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.
Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA35046	Fin 45
YA35048	Fin 47

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
in the Watson Lake Mining District, to the value of at least 3676.64
dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3316

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-23 requested).

Grant No.	Claim	Cominco Ltd.
YA45743-745	Fin 57-59 Dec 84	Please apply 2 yrs. to each. (#2600)
YA45747, YA45749	Fin 61, 63 "	
YA45873-877	Fin 187-191 "	
YA45896-898	Fin 210-212 "	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 45, 47	Remainder on Fin 49	617.06
		3059.58
		<u>3676.64</u>

Amount available	3676.64
Work applied	2600.00
Remainder	<u>1076.64</u> onto Fin 47

Remainder to be used on Group Fin 82-23

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. J. McK
Notary Public

S. Weller
Applicant.

Department of Indian Affairs and Northern Development
Ottawa, Ontario

(Work done by T. Hodgson, P. Barbara, R. Edmunds, B. Mauer, D. Conlidge - Cominco Staff)

With the permission of the Mining Recorder, the Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name) <u>S.A. Weller</u>	Occupation <u>Records Technician</u>	OFFICE DATE STAMP
(Postal Address) <u>700-409 Granville St., Vancouver</u>		

MAKE OATH AND SAY, THAT:-

1. I am ~~an~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

<u>Grant No.</u>	<u>Claim</u>
------------------	--------------

YA35049-051

Fin 48-50

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least 4817.06
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3375

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82- requested).

<u>Grant No.</u>	<u>Claim</u>	<u>Cominco Ltd.</u>
------------------	--------------	---------------------

YA45893-895

Fin 207-209 ^{Dec 84}

Please apply 2 yrs to each (\$600)

YA55975-980

Fin 283-288 ^{Nov 82}

Please apply 4 yrs to each (\$3600)

YA55998-56000

Fin 306-308 ["]

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

<u>Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 48, 49, 50</u>	<u>Remainder on Fin 51</u>	<u>227.</u>
		<u>4589</u>
		<u>4817.</u>

Amount available	<u>4817.06</u>
Work applied	<u>4200.00</u>
Remainder	<u>617.06</u> onto <u>Fin 49</u>
Remainder to be used on	<u>Group Fin 82-22</u>

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

C. J. Mac
Notary Public

A. Weller
Applicant.

(Work done by: T. Hodgson, P. Barbara, R. Edmunds,)

Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA35047	Fin 46
YA35052	Fin 51

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least 4227.69
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3521

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-21 requested).

Grant No.	Claim	Cominco Ltd.
YA45891-892	Fin 205-206 ^{12/84}	Please apply 2 yrs. to each (\$400)
YA55971	Fin 279 ^{11 Nov 82}	Please apply 4 yrs. to each (\$3600)
YA55973-974	Fin 281-282 ⁿ	
YA55992-997	Fin 300-305 ⁿ	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 52	1168.11
Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 46, 51	3059.59
	<u>4227.69</u>

Amount available 4227.69
 Work applied 4000.00
 Remainder 227.69 onto Fin 51
 Remainder to be used on Group Fin 82-21

Sworn before me at Vancouver, B.C.
 this 8 day of November 1982

C. J. Rice
 Notary Public

S. A. Weller
 Applicant.

I hereby certify and for
 the Province of British Columbia

(Work done by: T. Hodson, P. Scibarra, R. Edmunds,
 L. B. Mowbray, D. Campbell - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

MINING DEPARTMENT
WATSON LAKE, Y.T.
I.A. & N.D.

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35044-045	Fin 43-44
YA 35053	Fin 52

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least 5168.11
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3073

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested) Fin 82-19

Grant No.	Claim	Cominco Ltd.
YA 45887-890	Fin 201-204	^{Dec 81} Please apply 2 yrs. to each (\$800)
YA 55967-970	Fin 275-278	^{Nov 81} Please apply 4 yrs.
YA 55972	Fin 280	" to each (\$3200)
YA 55989-991	Fin 297-299	"

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 43, 44, 52
 Remainder on Fin 53
 578.74
 4589.37
 5168.11

Amount available 5168.11
 Work applied 4000.00
 Remainder 1168.11 onto Fin 52
 Remainder to be used on Group Fin 82-20

Sworn before me at Vancouver, B.C.
 this 8 day of November 1982

C. J. [Signature]
 Notary Public

S. Weller
 Applicant.

(Work done by: T. Hodgson, P. Sorbara, R. Edmunds,
 B. Mawer, D. Cooldice - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

MINING ACT
YUKON TERRITORY
I.A. & N.D.

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA35041, YA35043	Fin 40, 42
YA35054	Fin 53

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 4778.74
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3572

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested) Fin 82-18

Grant No.	Claim	Cominco Ltd
YA45884 - 886	Fin 198-200	Dec 84 Please apply 2 yrs. to each (\$600)
YA55963 - 966	Fin 271-274	Nov 82 Please apply 4 yrs. to each (\$3600)
YA55984 - 988	Fin 292-296	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 40, 42, 53

Remainder on Fin 54	189.37
	4589.37
	<u>4778.74</u>

Amount available	4778.74
Work applied	<u>4200.00</u>
Remainder	578.74 onto Fin 53

Remainder to be used on Group Fin 82-19

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

Ca Jbc
Notary Public

A. Weller
Applicant.

(Work done by: T. Hodson, P. Sarbara, R. Edmunds, B. Mawer, D. Cooldice - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.

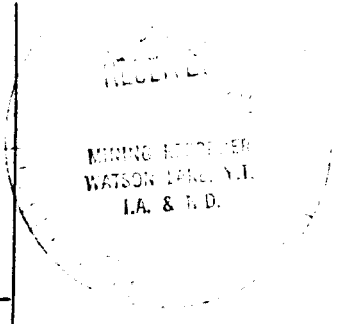


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35039	Fin 38
YA 35055-056	Fin 54-55

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least 4589.37
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3311

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-17 requested).

Grant No.	Claim	Cominco Ltd.
YA 45882-883	Fin 196-197	Please apply 2 yrs. to each (\$400)
YA 55961-962	Fin 269-270	NOV 82
YA 55981-983	Fin 289-291	Please apply 4 yrs. to each (\$4000)
YA 56011-014	Fin 319-322	
YA 56028	Fin 336	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 38, 54, 55 4589.37

Amount available	4589.37
Work applied	4400.00
Remainder	189.37 onto Fin 54

Remainder to be used on Group Fin 82-18

Sworn before me at Vancouver, B.C.
this 8 day of November 19 82

Ca Jbe

Notary Public

S. Weller

Applicant.

A Notary Public in and for the Province of British Columbia

(Work done by: T. Hudson, P. Sorbara, R. Edmunds, B. Mowbray, D. Campbell - Cominco Staff)

With the permission of the Minister, the Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

RECEIVED
MINING RECORDS
WATSON LAKE, Y.T.
I.A. & N.D.
OFFICE DATE STAMP

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~caused~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35006	Fin 5

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 1203.35
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3570

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-10

Grant No.	Claim	Cominco Ltd
YA 56045	Fin 353	11 NOV 82 Please apply 4 yrs. to claim (\$400)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 5 1203.35
 Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin _____
 Geology + Geochem., June 1 - Aug 23/82, on Fin _____

Amount available	1203.35
Work applied	400.00
Remainder	803.35 onto Fin 5
Remainder to be used	on Group Fin 82-35

Sworn before me at Vancouver, B.C.
this 8 day of November 1982

C. J. H. R.
Notary Public

S. Weller
Applicant.

(Work done by T. Hodgson, P. Barbara, R. Edmunds, B. Mawer, D. Coulter - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

MINING DISTRICT
WATSON LAKE, Y.T.
I.A. & N.D.

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35006	Fin 5
YA 35008	Fin 7

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least 4003.35
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3-369
 (Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-15
 requested).

Grant No.	Claim	Cominco Ltd.
YA 56043	Fin 351	Please apply 4 yrs. to each. (\$2800)
YA 56046-049	Fin 354-357 ⁿ	
YA 56064	Fin 372	
YA 56066	Fin 374	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 8 943.77
Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 5, 7 3059.58
4003.35

Amount available 4003.35
 Work applied 2800.00
 Remainder 1203.35 onto Fin 5
 Remainder to be used on Group Fin 82-16

Sworn before me at Vancouver, B.C.
 this 8 day of November 1982
C. J. Lee
 Notary Public

A. Weller
 Applicant.

(Work done by: T. Hodson, P. Barbara, R. Edmunds, B. Mauer, A. Coulter - Cominco Staff)

with the permission of the Mining Recorder, the
 Technical Report will be sent to Watson Lake by
 January 11, 1983.



Department of Indian Affairs and Northern Development
 YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.
 Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):
 (Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA35009	Fin 8
YA35010	Fin 9

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
 in the Watson Lake Frances Lake Mining District, to the value of at least 3743.77
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 536-S

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-14

Grant No.	Claim	Cominco Ltd.
YA56029, YA56031	Fin 337, 339	11/10/82
YA56033	Fin 341	✓
YA56044	Fin 352	✓
YA56050-051	Fin 358-359	✓
YA56068	Fin 376	✓

Please apply 4 yrs to each (\$2800)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 8, 9
 Remainder on Fin 10 684.19
 3059.58
3743.77

Amount available 3743.77
 Work applied 2800.00
 Remainder 943.77 onto Fin 8
 Remainder to be used on Group Fin 82-15

Sworn before me at Vancouver, B.C.
 this 8 day of November 19 82
Co. 9/6e
 Notary Public

S. Weller
 Applicant.

(Work done by T. Hodson, P. Scibara, R. Edmunds, A. B. Mowbray, D. Conliffe - Cominco Staff)

Technical Report will be sent to Watson Lake by January 11, 1983.

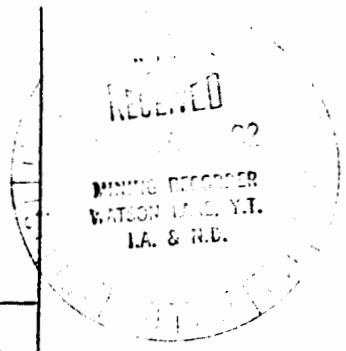


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~owner~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.

Claim

YA 35011-012

Fin 10-11

situated at 5 mi NNW of north end of Frances Lake Claim Sheet No. 105 H/12
 in the Watson Lake Mining District, to the value of at least 3884.19
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3-367

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-13

Grant No.

Claim

Cominco Ltd.

YA 56015

Fin 323

11 NOV 82

YA 56030, YA 56032

Fin 338, 340

Please apply 4 yrs. to each (\$ 3200)

YA 56034-35

Fin 342-343

YA 56052-53

Fin 360-361

YA 56070

Fin 378

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Remainder on Fin 25
 Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 10, 11

824.61

3059.58

3884.19

Amount available

3884.19

Work applied

3200.00

Remainder

684.19 onto Fin 10

Remainder to be used on Group Fin 82-14

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

C. F. Hse

Notary Public

Public in and for
 the Province of British Columbia

S. Weller

Applicant.

(Work done by: T. Hodgson, P. Sorbara, R. Edmunds, P. Mawer, A. Conliffe - Cominco Ltd.)

Technical Report will be sent to Watson Lake by
January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~Work~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
-----------	-------

YA 35017	Fin 16
YA 45755	Fin 69

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12
Frances Lake
 in the Watson Lake Mining District, to the value of at least _____
 dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 338

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period Fin 82-27 requested).

Grant No.	Claim
-----------	-------

Cominco Ltd.

YA 45755-756	Fin 69-70
YA 45831-837	Fin 145-151
YA 45839	Fin 153
YA 45841	Fin 155
YA 45843	Fin 157

Dec 81	~
"	~
"	~
"	~

Please apply 2 yrs. to each. (\$2400)

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Description	Amount
Remainder on Fin 17	719.16
Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 16	1529.79
Geology + Geochem., June 1 - Aug 23/82, on Fin 69	274.09
Total	2523.04

Amount available 2523.04

Work applied 2400.00

Remainder 123.04 onto Fin 16

Remainder will be used on Group Fin 82-27

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

Ce 7/02

Notary Public

S. Weller

Applicant.

Notary Public in and for
the Province of Columbia

(Work done by: T. Hodson, P. Corbara, R. Edmunds,
B. Mauer, D. Corbridge - Cominco Staff)

Technical Report will be sent to Watson Lake by
January 11, 1983.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

RECEIVED

MINING RECORDER
WATSON LAKE, B.C.
I.A. & N.D.

I (Name)	S.A. Weller	Occupation	Records Technician
(Postal Address)	700-409 Granville St., Vancouver		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:-

1. I am ~~agent~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

Cominco Ltd.

2. ~~I~~ caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Grant No.	Claim
YA 35014, YA 35016	Fin 13, 15
YA 45757	Fin 71

situated at 5 mi NNW of north end of Claim Sheet No. 105 H/12

in the Watson Lake Frances Lake Mining District, to the value of at least _____

dollars, since the 1 day of June 19 82.

to represent the following mineral claims under the authority of Grouping Certificate No. 3271

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested). Fin 82-2

Grant No.	Claim	Cominco Ltd
YA 45757-758	Fin 71-72 ¹²⁻⁸⁴	Please apply 2 yrs. to each (\$2600)
YA 45820-830	Fin 134-144	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geology, Geochem., Geophy., June 1 - Aug 23/82, on Fin 13, 15	123.04
Geology + Geochem, June 1 - Aug 23/82, on Fin 71	3059.58
	274.09
	<u>3456.71</u>

Amount available 3456.71

Work applied 2600.00

Remainder 856.71 onto Fin 13

Remainder to be used on Group Fin 82-28

Sworn before me at Vancouver, B.C.

this 8 day of November 1982

Cs Hee

Notary Public

S. Weller

Applicant.

Attest: I, _____ and for _____ of _____

(Work done by: T. Hodson, P Sorbara, R Edmunds, B Mawer, D Gaudin - Cominco Staff)

TABLE OF CONTENTS

	<u>Page</u>
I. SUMMARY.	1
II. INTRODUCTION	
A. Location.	1
B. History and Previous Exploration.	2
C. Ownership	2
III. EXPLORATION.	2
IV. GEOLOGY.	2
A. Property Geology.	2
B. Age	5
C. Mineralization.	5
V. GEOCHEMISTRY	
A. Analytical Procedure.	6
B. Results	6
VI. GEOPHYSICS	7
VII. CONCLUSIONS.	7

- APPENDIX A - Statement of Expenditures
- APPENDIX B - Affidavit
- APPENDIX C - Statement of Qualifications

Plate 1	Location Map	Scale - 1:3,000,000
Plate 2	Claim Map	1:31,686
Plate 3	Geology	1:5,000
Plate 4	Geology	1:20,000
Plate 5	Lead Geochemistry	1:10,000
Plate 6	Zinc Geochemistry	1:10,000
Plate 7	Barium Geochemistry	1:10,000

COMINCO LTD.

EXPLORATION
N.T.S. 105H/12

WESTERN DISTRICT

ASSESSMENT REPORT

GEOLOGY, GEOCHEMISTRY, GEOPHYSICS

FIN PROPERTY

WATSON LAKE M.D., YUKON TERRITORY

I. SUMMARY

The Fin property is located within the Watson Lake Mining District, 180 kilometers northwest of Watson Lake, Yukon Territory. This property totals 469 claims and is 100% Cominco Ltd. owned.

Property exploration in 1982 consisted of geological mapping, soil geochemistry and a UTEM geophysical survey. Mapping showed the property to be underlain by Proterozoic to Devonian-Mississippian marine sediments. Rock units of the Devonian to Mississippian Besa River Formation (Lower Earn Group) occur over most of the property with lesser Road River Formation rocks present. Significant mineralization found to date has been confined to the Besa River Formation Mudstone Member.

A coincident Pb-Zn anomaly was revealed by the soil survey in the vicinity of a pyrite-barite showing located at grid location 45+00N, 1+00E. Also of interest is a large open-ended Zn anomaly located southwest of the mineralized exposures. This soil anomaly is within an extensive open-ended UTEM anomaly while a second UTEM anomaly covers the main showing area.

II. INTRODUCTION

A. Location

The Fin property is situated within the Watson Lake Mining District 180 kilometers northwest of Watson Lake, Yukon Territory (Plate 1). Access to the claims is by helicopter either from Watson Lake or Ross River. The Robert Campbell Highway is located within 15 kilometers of the claims' southern boundary, but there are no roads into any portion of the property at the present time.

Latitude: 61°40'N
Longitude: 129°50'W
N.T.S.: 105H/12

Generally the topography is flat to gently rolling covered by forests of spruce and poplar or extensive swamps. Outcrop exposures are mainly limited to creek and river cuts and total <1% of the claim area.

2.

B. History and Previous Exploration

Cominco Ltd. first acquired the property by staking 56 claims to cover black shales which yielded high grade Pb-Zn-Ag-Cd mineralized float. An additional 222 claims were staked in 1979 in response to favourable results from the 1979 program of mapping, trenching and soil geochemistry. After the 1980 drill program (697 m) a further 187 claims were added to bring the total to its present 469 claims. The 1981 program consisted of mapping and soil geochemistry.

C. Ownership

The Fin property consists of 469 claims 100% owned by Cominco Ltd. (Plate 2).

<u>Claim</u>	<u>Grant Numbers</u>	<u>Date Recorded</u>	<u>Due Date</u>
Fin 1-56		Sept. 1, 1978	Dec. 1, 1987
Fin 56-268		Sept. 14, 1979	Dec. 1, 1984*
Fin 269-282	YA45955-YA45968	Sept. 14, 1979	Dec. 1, 1984*
Fin 269-282	YA55961-YA55974	Aug. 11, 1980	Nov. 11, 1982*
Fin 283-455		Aug. 11, 1980	Nov. 11, 1982*

*1982 assessment credits to be applied

III. EXPLORATION

The 1982 exploration program consisted of geological mapping at 1:10,000 and 1:20,000 scales, soil and rock geochemistry and a 26 kilometer UTEM geophysical survey. This program was carried out during the period June 1 to August 23, 1982.

IV. GEOLOGY

Situated in the southwest portion of the paleo-Selwyn Basin, the Fin property is underlain by shallow water clastics and carbonates or deeper water fine sediments of Proterozoic to Devonian-Mississippian age. With the exception of the carbonate reef features seen in the area and some chert exposures, these sediments vary from proximal to distal turbidites. The carbonates are found to the northwest, south and east of the property which locates the Fin within a paleo-basin between the carbonate complexes.

A. Property Geology

Mapping of the property was done on a scale of 1:5,000 (Plate 3) and 1:20,000 (Plate 4) using the geochemical grid lines and various creeks for control. Areas of outcrop exposure are limited to the creek valleys and surrounding hills. This limited exposure has made correlation between outcrops and the development of a good stratigraphic column difficult. The interpretation and correlation of the Fin geology has therefore been done on the information available at this time and is subject to review.

3.

The majority of the rock units mapped are thought to belong to the Devonian-Mississippian Besa River Formation. The Besa River Formation is equivalent to the Lower Earn Group but for this report this stratigraphy will be referred to as Besa River Formation. Lesser amounts of Ordovician to Silurian Road River Formation units are present and only one Proterozoic unit was found. The stratigraphy of the Besa River Formation listed below is not necessarily in the correct stratigraphic order, while that of the Road River Formation is believed to be correct.

DEVONIAN TO MISSISSIPPIAN

Besa River Formation Chert Pebble Conglomerate:

Light grey weathered, grey chert pebble conglomerate. Chert pebbles are subrounded to subangular, up to 3 cm in size, are matrix supported and are white, grey or black in colour. The matrix consists of a fine to medium-grained silica cemented sandstone. Minor grey sandstone beds are found associated with this unit. This member is found along Grit Creek, a tributary of Fin Creek, and in the area of the Tan claims located just southwest of the Fin claims.

Upper Siltstone-Mudstone Member:

Dark grey weathered, fissile to platy parting, laminated to thin bedded, grey to black siltstone to mudstone turbidites. Mainly siltstone with 10 to 30% mudstone content and up to 5% sandstone as beds and laminae. Pyrite nodules to 2 cm are locally found. Minor white gypsum coated outcrops are seen. This member is mainly found in the central area of the property along Grit Creek and Fin Creek.

Lower Siltstone-Mudstone Member:

Dark grey to black weathered, fissile to platy parting, laminated to thin bedded black siltstone to mudstone. Mudstone content is greater than or equal to siltstone content. Gypsum or hydrozincite coated outcrops are common. Only found in the Fin Creek canyon in the central portion of the property.

Mudstone Member:

Dark grey to black weathered, papery to fissile parting, locally siliceous, carbonaceous black mudstone. Contains abundant calcareous or mudstone concretions to 0.5 m. Locally carbonate channel scour deposits are found within this unit. Outcrops are coated by gypsum or hydrozincite. Contains laminated to bedded Pb-Zn-Fe sulphides. Only found in the central portion of the property along Fin Creek.

Siltstone-Sandstone Member:

Grey to rusty weathered, flaggy to blocky parting, laminated to bedded grey turbidites. Locally ripple marks and graded bedding are seen. Sandstone beds contain up to 1% disseminated pyrite. Mainly siltstone with up to 40% sandstone content and <5% mudstone.

4.

Siltstone-Mudstone-Sandstone Member

Similar to above only sandstone content is at most 10% while siltstone and mudstone contents are up. Laminated to thin bedded with minor gypsum or hydrozincite coated outcrops. This is a slightly more distal facies of the above Siltstone-Sandstone Member.

These coarser more proximal turbidites are the most abundant units on the property and can be found in most locations.

LOWER MIDDLE DEVONIAN

Dolomite Member:

White to yellow weathered, light grey fossiliferous dolomite. Bedding is only detected in larger outcrops with beds to 30 cm and generally flat lying. Locally black chert clasts to 10 cm by 30 cm are seen. Two-holed crinoids are abundant. This member is found in the southern portion of the claim block and also to the east and north of the claims.

ORDOVICIAN TO SILURIAN

Road River Formation Mudstone-Chert Member:

Black to silvery weathered, interbedded black chert and black mudstone to siltstone. Contains the occasional rounded limestone concretion to 0.5 m and locally near the upper contact dolomite lenses. Seen in the area of the Tan claims and also to the south near Frances Lake.

Siltstone Member:

Tan weathered, platy, laminated, grey siltstone. Locally minor mudstone is found associated with this unit. Hosts the barite veins seen on the Tan claims. May be equivalent to the Marker Member of the Road River Formation as seen in the MacMillan and Howard's Pass areas.

Chert-Siltstone Member:

Green, white, grey, black chert with minor interbedded siltstone. Siltstone content increases rapidly downsection. Wispy pyrite laminations, pyrite nodules, barite nodules or lenses and ferromagnesium dolomite nodules and lenses are associated with the chert beds. This unit is the probable type source of the above described chert pebble conglomerate. Outcrops of this unit are found along Chert Creek, a tributary of Fin Creek.

5.

PROTEROZOIC

Arkosic Sandstone

Light grey weathered, massive, moderately foliated grey sandstone. Contains approximately 55% feldspar grains and 40% chert and quartz grains to 2 mm with minor amounts of sericite and pyrite also present. This unit has a slight salt and pepper appearance to it. Occasional mudstone and siltstone clasts to 10 cm are rarely found. This unit is found near the junction of Fin and Chert Creeks.

B. Age

The age and stratigraphic order of lithologic members on the property is still not known with a high degree of confidence as fossil evidence is still lacking from most of the members. One fossil, a two-holed crinoid, was found and is dated as Lower Middle Devonian giving an age to the Dolomite Member separating the Road River Formation from the Besa River Formation. The presence of this unit along with data from the UTEM survey and a stratigraphic section near the Tan claims, indicates the relative position and age of most of the rock units up to the Chert Pebble Conglomerate Member is correct. The exception to this is the Lower Siltstone-Mudstone and Mudstone Members which may be lower in the section or as young as post chert pebble conglomerate.

Until further fossil evidence proves otherwise, all units above the Lower Middle Devonian Dolomite Member will be considered as part of the Besa River Formation, and all those lower in the section except for the Proterozoic arkosic sandstone will be included in the Road River Formation.

C. Mineralization

Lead-zinc mineralization is only found within the Mudstone Member on the Fin property. All showings and drill intersections of sulphides within this unit have been restricted to the central portion of the property along the Fin Creek canyon. Mineralization is located roughly at the top, middle and base of this 50 meter thick Mudstone Member and is traceable for one kilometer along strike. This unit is believed to extend to the east and south until it is cut off by a major east-west fault, is seen to dip northerly towards a fault, and either dips beneath overlying stratigraphy to the west or is faulted off. Tracing this unit and identifying it from the overlying unit is made possible by its being distinctly anomalous in Pb-Zn-Ag rock geochemistry.

A pyrite-barite showing was found at grid location 45+00N, 1+00E (HF-171,184) within a siltstone-sandstone outcrop. This represents the only other mineralization found outside the main showing area.

6.

V. GEOCHEMISTRY

A. Analytical Procedure

The 1982 Fin geochemical program consisted of soil sampling every 50 meters along soil lines 1.5 to 2.0 kilometers long, spaced 200 meters apart. Rock and silt samples were taken wherever information was needed. All samples were shipped to Cominco's Exploration Research Laboratory in Vancouver, B.C. for analysis. In total 1398 soil, 12 silt, and 74 rock samples were analysed. Lead, zinc and manganese were determined by aqua regia digestion followed by atomic absorption and barite by x-ray fluorescence.

B. Results

Sampling difficulties encountered during the 1982 soil survey included extensive swamps, permafrost and a volcanic ash layer. Results may or may not be affected by these difficulties. Lead, zinc and barium results are shown on Plates 5, 6 and 7 respectfully. Anomalous values for lead, zinc and barium soils are given in Table 1.

Table 1

Anomalous Soil Values

	Probably Anomalous(ppm)	Anomalous(ppm)
Lead	30	50
Zinc	200	500
Barium	2300	2700

Lead results revealed only one small attractive anomaly located near the laminated pyrite-barite showing found at grid location 45+00N, 1+00E. The center of this 200 m x 400 m plus 50 ppm lead anomaly is about one kilometer southwest of the pyrite-barite showing. This anomaly may be significant as the only other lead anomaly obtained from previous soil surveys is over the main showing area. None of the other one or two sample lead anomalies scattered about the property are considered important at this time.

Zinc results show numerous large plus 200 ppm anomalies the most significant of which are considered to be a 400 m x 700 m anomaly coincident with the above lead anomaly and a 600 m x 1300 m open-ended anomaly located 2 kilometers to the southwest of the main showing. This latter anomaly corresponds to an area where the 1982 UTEM survey also picked up an anomalous response.

Two interesting barium anomalies were detected, one located around grid location 10+00N, 53+50E and the other within the Zn anomaly southwest of the main showing. The former is slightly wishbone shaped, trails off and is not closed off to the southwest. The latter is coincident with part of the zinc anomaly and is also open-ended. Numerous other small anomalies were obtained but none seem significant at this time.

7.

VI. GEOPHYSICS

A detailed analysis of the 26 kilometer 1982 UTEM survey can be found in a separate report by J.J. Lajoie (December, 1982). In summary the UTEM performed very well in the clastic environment as it picked out the mineralized horizon and traced it to the east and somewhat to the west of the main showing. This geophysical anomaly is open to the east and west.

Another UTEM anomaly was detected about 600 meters south of the above anomaly. This widespread anomaly is extensive in an east-west direction and contains a second stronger UTEM response within it and also covers the area where a large open-ended Zn soil anomaly was found. This larger widespread anomaly is probably related to a specific stratigraphic unit. As there is no outcrop in this area, this cannot be determined for certain nor can the reason be determined for the enclosed stronger UTEM response. This anomaly is open to the east, west and south.

VII. CONCLUSIONS

1. The relative order of the stratigraphic units on the Fin property is still not known for certain, but it is reasonable to conclude that those units that lie stratigraphically below the Lower Middle Devonian Dolomite Member belong to the Road River Formation and those that lie above belong to the Besa River Formation.
2. Lead-zinc mineralization found to date on the Fin is restricted to the Mudstone Member, is high grade, laminated, and is discontinuous due to shearing.
3. Two anomalies were picked up by the UTEM survey, one over the main showing area and the other to the south of the main showing. This southern anomaly includes a second stronger UTEM response.
4. Soil geochemistry produced numerous anomalies, the best of which were a coincident Pb-Zn anomaly in the vicinity of the pyrite-barite showing found far to the west of the main showing and a large open-ended Zn anomaly southwest from the main showing. This latter soil anomaly corresponds with the western end of the southern UTEM anomaly.

Report by: T.W. Hodson
T.W. Hodson, Geologist

Endorsed by: A.B. Mawer
A.B. Mawer, Senior Geologist

Approved for
Release by: G. Harden
G. Harden, Manager
Exploration
Western District

8.

Distribution
Mining Recorder (2)
Western District (1)
TWH (1)

TWH/skm

APPENDIX A

STATEMENT OF EXPENDITURES

FIN PROPERTY

JUNE 1 TO AUGUST 23, 1982

Salaries	
- T.W. Hodson (76 days @ \$154.88/day)	\$ 11,770.88
- J.P. Sorbara (26 days @ \$159.50/day)	4,944.50
- D.C. Coolidge(18 days @ \$110.53/day)	1,989.54
- F.R. Edmunds (7 days @ \$234.96/day)	1,707.72
- A.B. Mawer (8 days @ \$265.76/day)	2,126.08
- M. Legault (32 days @ \$101.20/day)	3,238.40
Communications	1,848.20
Equipment	10,125.84
Linecutting - 46.6 km @ \$310/km	14,446.00
Geophysics (26.0 km)	15,134.55
Geochemistry - contract soil samplers	6,776.00
- 1410 soils and silts @ \$6.10/sample	8,601.00
- 74 rocks @ \$5.50/sample	407.00
Transportation - helicopter	23,944.51
- truck	1,028.49
- freight	1,650.79
- fuel	1,519.88
Domicile	8,280.75
Expediting	3,602.84
Report Preparation	4,929.23
	<u>\$128,072.20</u>

Signed: 
T.W. Hodson, Geologist


APPENDIX B

A F F I D A V I T

I, Terence W. Hodson, of the Municipality of Surrey, in the Province of British Columbia, make oath and say:

1. THAT I am employed as a geologist by Cominco Ltd., and as such have a personal knowledge of the facts to which I hereinafter depose;
2. THAT annexed hereto and marked as Appendix A to this my affidavit is a true copy of expenditures incurred in connection with a geological program carried out on the Fin mineral claims;
3. THAT said expenditures were incurred between the first day of June and the twenty-third day of August, 1982 for the purpose of mineral exploration on the above noted claims.

Signed: _____



T.W. Hodson, Geologist

APPENDIX C

STATEMENT OF QUALIFICATIONS

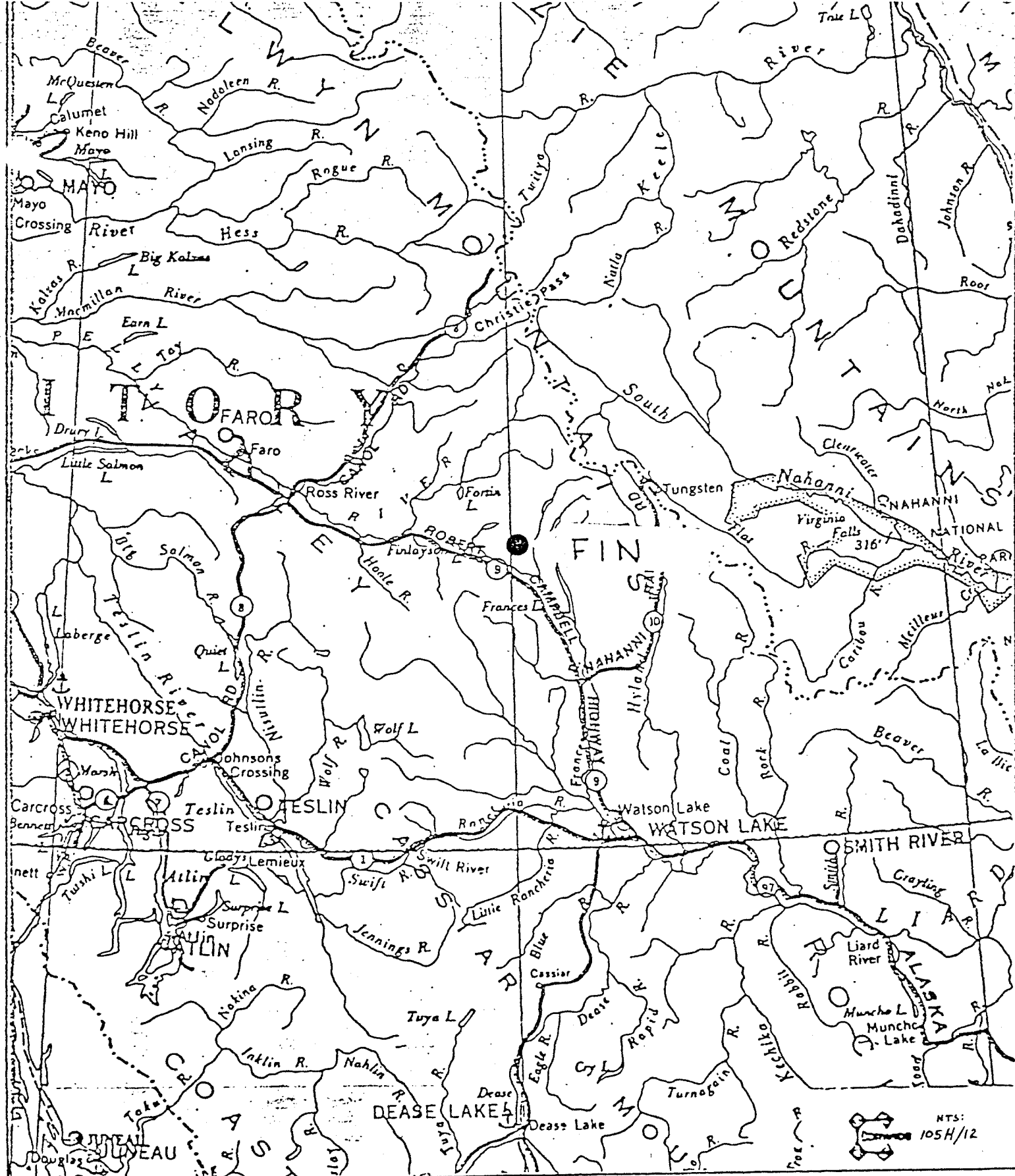
I, TERENCE W. HODSON, OF THE MUNICIPALITY OF SURREY, IN THE PROVINCE OF BRITISH COLUMBIA, HEREBY CERTIFY:

1. THAT I am a geologist residing at 1773 Southmere Crescent, Surrey, British Columbia, with a business address at 700-409 Granville Street, Vanouever, British Columbia.
2. THAT I graduated with a B.Sc. in geology from the University of British Columbia in 1980.
3. THAT I have practiced geology with Cominco Ltd. from May 1980 to the present.

Signed: _____



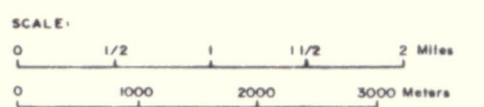
T.W. Hodson, Geologist



Drawn by: <i>ruad</i>		Traced by:	
Used by	Date	Revised by	Date

Location Map FIN Property

Scale: 1:3,000,000 Date: Sept, 1901 Plate: 82-1



091407

Note: repeat of claim names FIN 269 - FIN 282. These claims have been accepted in this form by the Watson Lake mining recorder, Patty McCloud, and are considered valid Oct 15, 1980.

FIN PROPERTY		05/4/12	
Drawn by	Traced by	Checked by	Checked by
FIN CLAIMS 1-455		Scale 1" = 1 mile Date 05/4/12 Page 2	



LEGEND

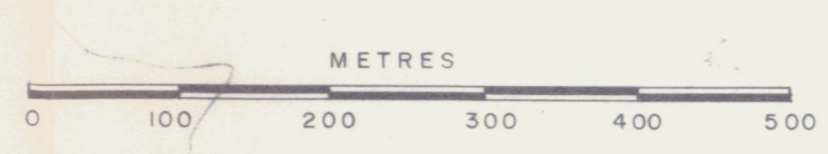
- DEVONIAN TO MISSISSIPPIAN
- 8 Basal River Formation
Chert Pebble Conglomerate Member
Light grey weathered, grey chert pebble conglomerate. White, grey and black subrounded to subangular chert pebbles supported by a silica cemented sandstone matrix. Minor grey sandstone.
 - 7 Lower Siltstone-Mudstone Member
Dark grey weathered, laminated to thin bedded, grey to black mudstone to siltstone. Contains pyrite nodules locally.
 - B Upper Siltstone-Mudstone Member
Dark grey to black weathered, laminated to thin bedded, black siltstone to mudstone.
 - A Mudstone Member
Dark grey to black weathered, locally siliceous, carbonaceous, black mudstone. Contains abundant calcareous or mudstone concretions and laminated Pb-Zn sulphides.
 - 6 Siltstone-Sandstone Member
Grey to rusty weathered, laminated to bedded, grey turbidites.
 - 6a Siltstone-Mudstone-Sandstone Member - Similar to above but sandstone content is down and siltstone-mudstone content is up.
- LOWER MIDDLE DEVONIAN
- 5 Dolomite Member
White to yellow weathered, light grey fossiliferous dolomite. Contains two-holed crinoids.
- ORDOVICIAN TO SILURIAN
- 4 Road River Formation
Mudstone-Chert Member
Black to silvery weathered, interbedded black chert and mudstone to siltstone. Contains occasional limestone concretions.
 - 3 Siltstone Member
Tan weathered, laminated, grey siltstone. Cut by Ba veins on Tan claims.
 - 2 Chert-Siltstone Member
Green, white, grey, black chert with associated siltstone. Locally contains wispy pyrite laminations, pyrite nodules, barite nodules or lenses and ferromagnesium dolomite nodules and lenses.
- PROTEROZOIC
- 1 Arkosic Sandstone
Light grey weathered, massive, grey sandstone.

Not necessarily in correct stratigraphic order

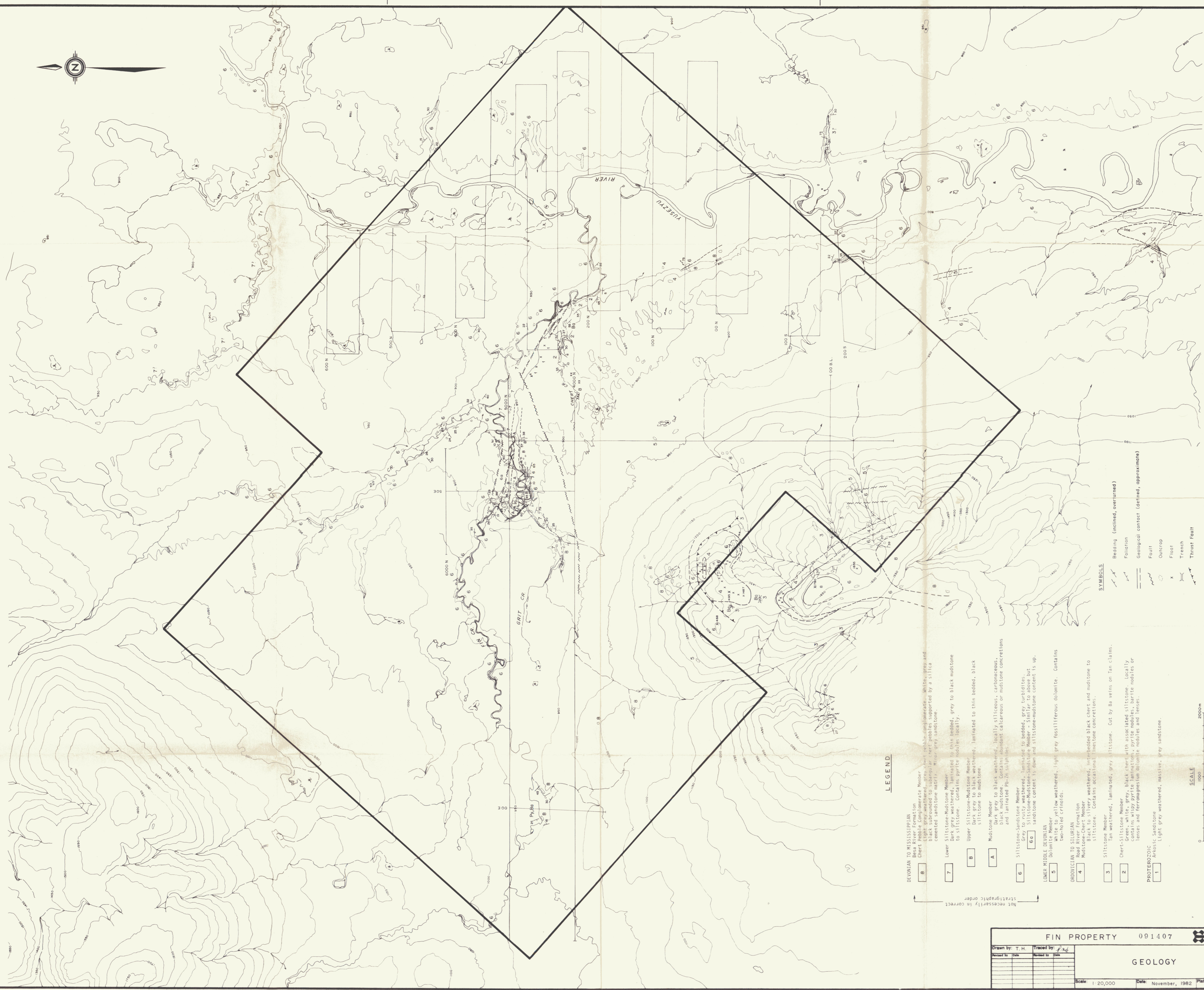
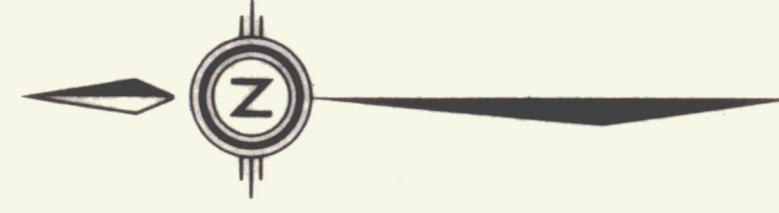
SYMBOLS

- Bedding
- Foliation
- Geological contact (defined, approximate)
- Fault
- Outcrop
- Float
- Diamond drill hole (Cominco - 1980)
- Pb-Zn showing

RECONNAISSANCE MAPPING
PENCIL MANUSCRIPT
DATUM G.S.C. - FLOWN IN 1948
CONTOUR INTERVAL 10 METRES



FIN GROUP		NTS 105 H-12
Drawn by: T.H.	Traced by: J.H.	GEOLOGY 091407
Checked by: []	Revised by: []	
WATSON LAKE M.D., YUKON		Scale: 1:5,000 Date: MAY 1982



LEGEND

- DEVONIAN TO MISSISSIPPIAN
 B Beas Formation
 7 Lower Siltstone-Mudstone Member
 6 Siltstone-Sandstone Member
 5 Dolomite Member
 ORDOVICIAN TO SILURIAN
 4 Mudstone-Chert Member
 3 Siltstone Member
 2 Chert-Siltstone Member
 PROTEROZOIC
 1 Archaic Sandstone
- Not necessarily in correct stratigraphic order
- Beas Formation
 Light grey, weathered, grey, fine pebbles-conglomerate, white, grey and black subrounded to subangular chert pebbles supported by a silica cemented sandstone matrix. Also grey sandstone.
 Lower Siltstone-Mudstone Member
 Dark grey weathered, laminated to thin bedded, grey to black mudstone to siltstone. Contains pyrite nodules locally.
 Upper Siltstone-Mudstone Member
 Dark grey weathered, laminated to thin bedded, black mudstone to siltstone. Contains abundant calcareous or mudstone concretions and laminated Pb-Zn sulphides.
 Siltstone-Sandstone Member
 Grey to rusty weathered, laminated to bedded, grey turbidites.
 Siltstone-Mudstone-Sandstone Member - Similar to above but sandstone content is down and siltstone-mudstone content is up.
 Dolomite Member
 Tan weathered, light grey fossiliferous dolomite. Contains tabular crystals.
 Mudstone-Chert Member
 Black to silvery weathered, interbedded black chert and mudstone to siltstone. Contains occasional limestone concretions.
 Siltstone Member
 Tan weathered, laminated, grey siltstone. Cut by Be veins on Tan claims.
 Chert-Siltstone Member
 Green, white, grey, black chert with associated siltstone. Locally contains wispy pyrite laminations, pyrite nodules, barite nodules or lenses and ferruginous dolomite nodules and lenses.
 Archaic Sandstone
 Light grey weathered, massive, grey sandstone.

- SYMBOLS**
- Beading (inclined, overturned)
 - Foliation
 - Geological contact (defined, approximate)
 - Fault
 - Outcrop
 - Float
 - Trench
 - Thrust Fault

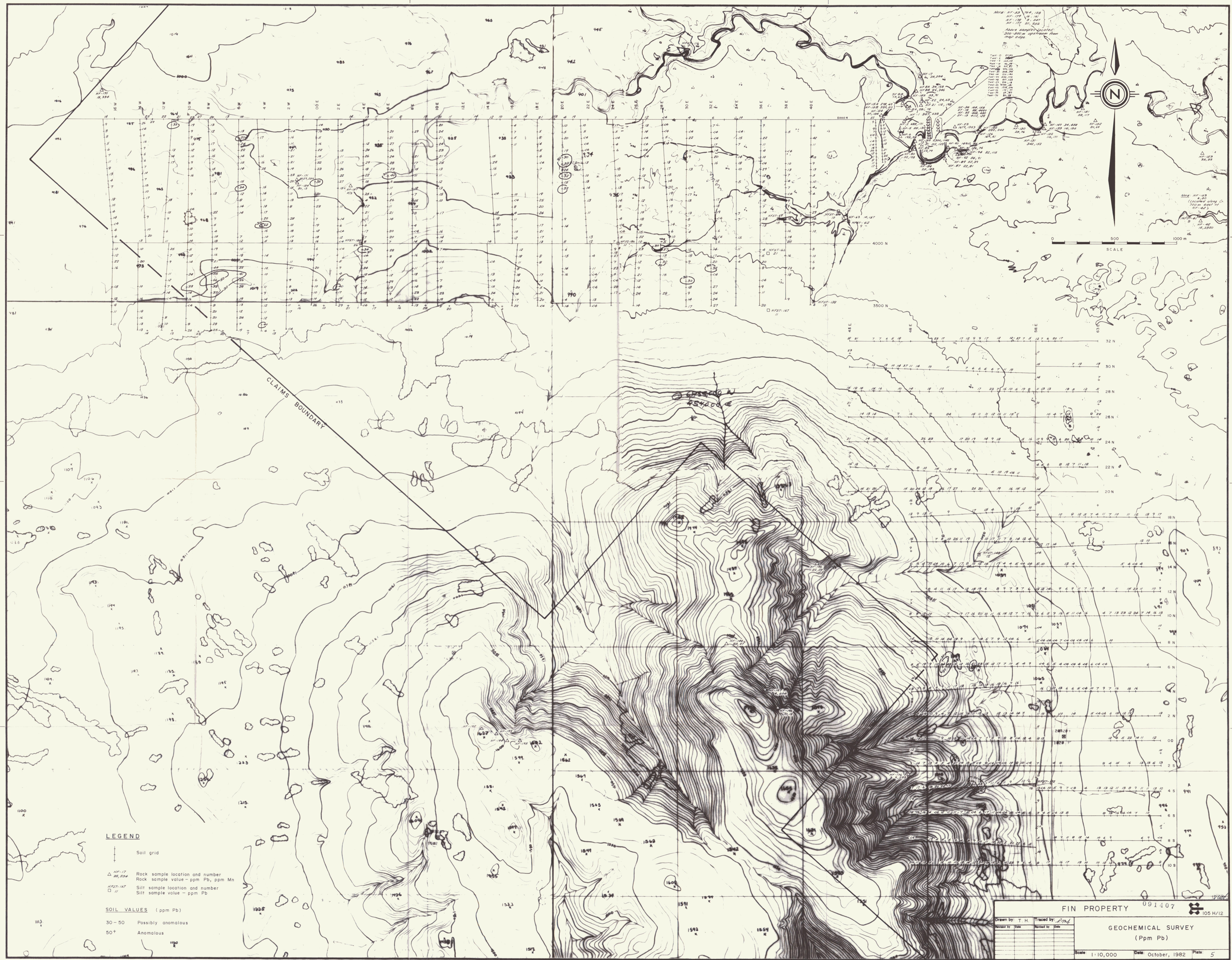
FIN PROPERTY 091407

Drawn by: T. H.	Traced by: J. H.
Revised by: _____	Revised by: _____
Date: _____	Date: _____

GEOLOGY

Scale: 1:20,000 Date: November, 1982 Plate: 4





NOTE: All elevations are based on the datum of the 1985 datum.

NOTE: All elevations are based on the datum of the 1985 datum.

NOTE: All elevations are based on the datum of the 1985 datum.

SCALE
0 500 1000 m

CLAIMS BOUNDARY

35500 N
25400 E

LEGEND

- Soil grid
- △ 117-17, 25, 254 Rock sample location and number
Rock sample value - ppm Pb, ppm Mn
- 117-17, 11 Silt sample location and number
Silt sample value - ppm Pb

SOIL VALUES (ppm Pb)

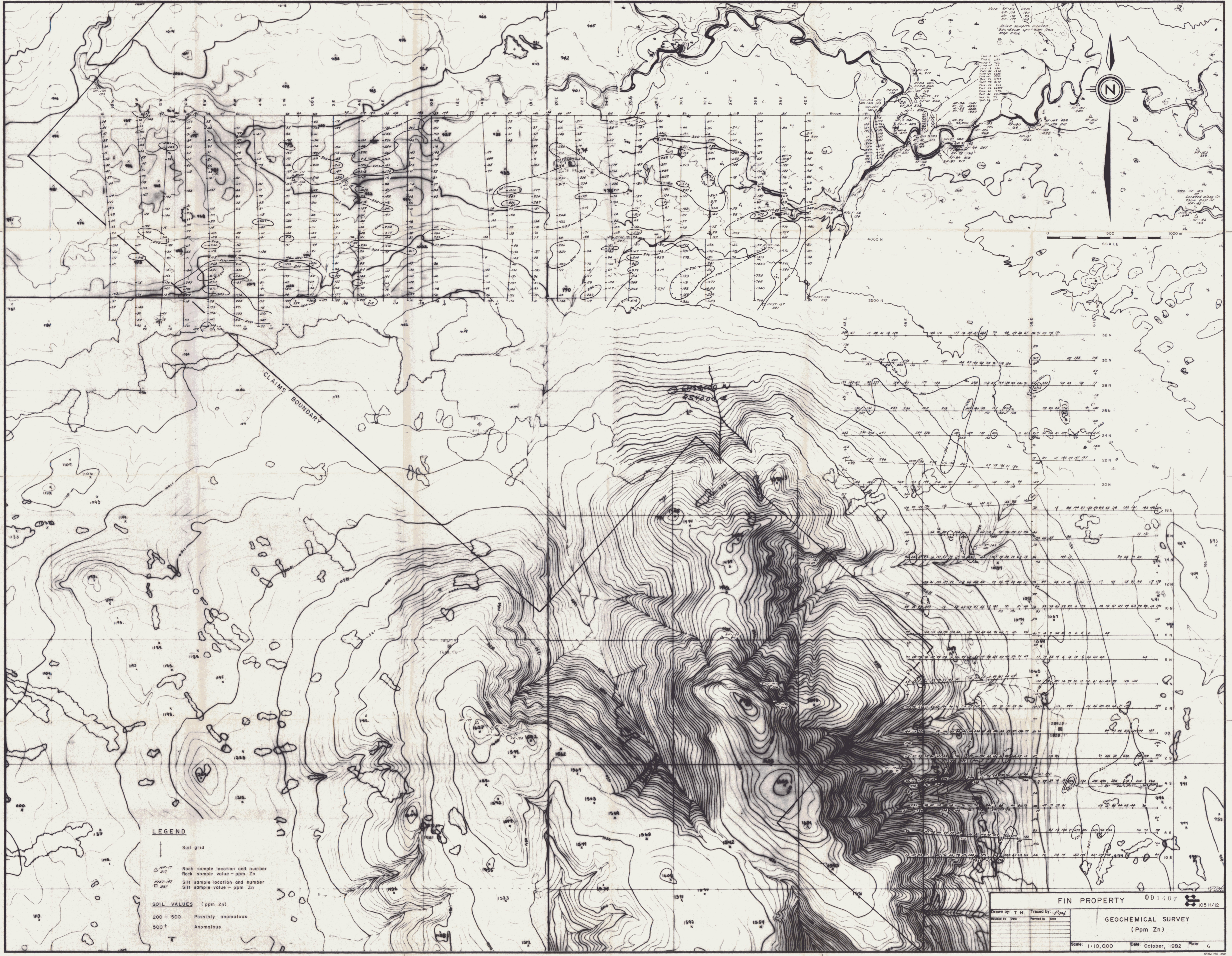
- 30-50 Possibly anomalous
- 50+ Anomalous

FIN PROPERTY 091407 105 H/12

GEOCHEMICAL SURVEY
(Ppm Pb)

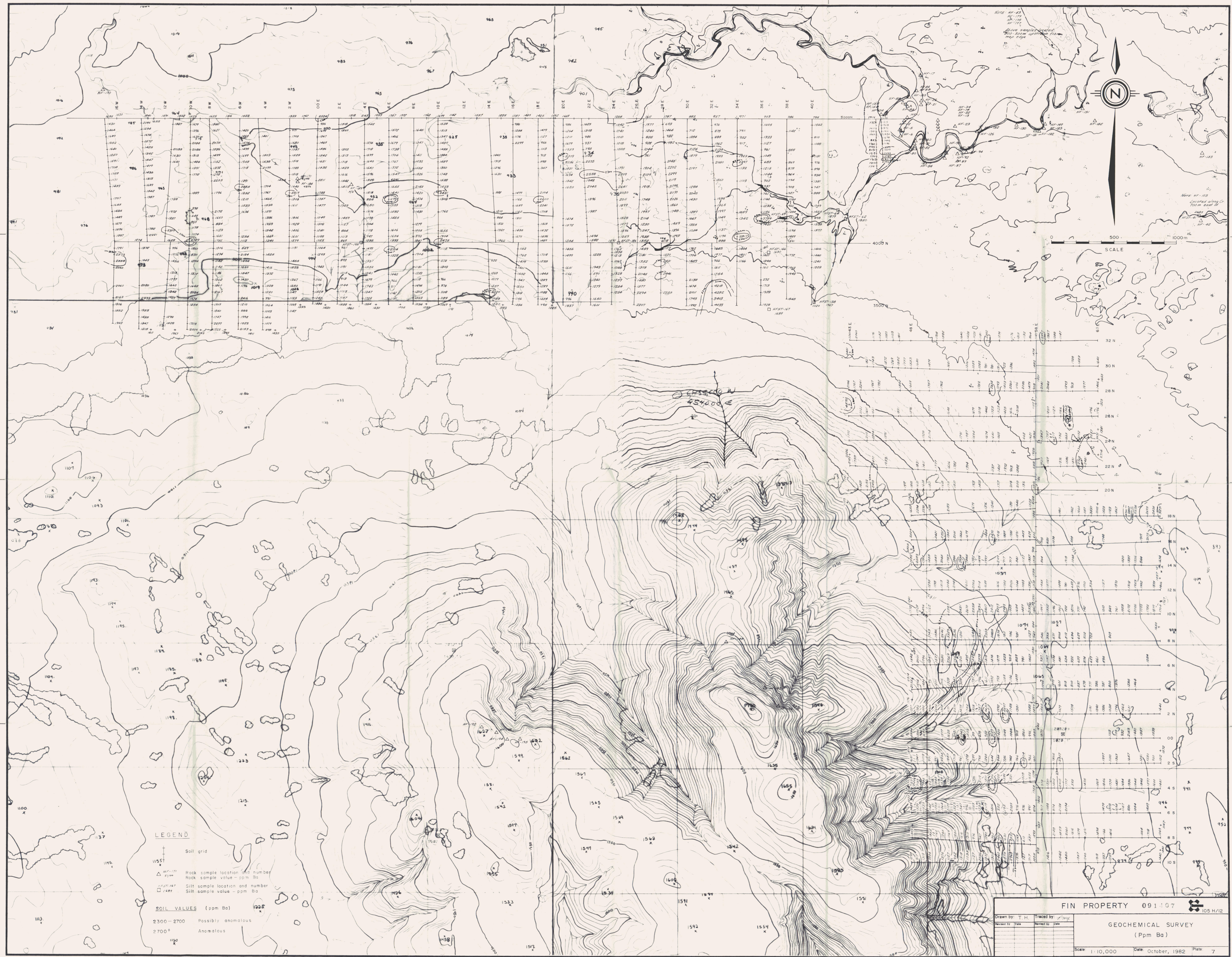
Drawn by: T.H.	Traced by: P.M.
Checked by: []	Checked by: []
Date: []	Date: []

Scale: 1:10,000 Date: October, 1982 Plate: 5



NOTE: Above samples located 300-500m up from from 600m

T-10 151
 T-11 152
 T-12 153
 T-13 154
 T-14 155
 T-15 156
 T-16 157
 T-17 158
 T-18 159
 T-19 160
 T-20 161
 T-21 162
 T-22 163
 T-23 164
 T-24 165
 T-25 166
 T-26 167
 T-27 168
 T-28 169
 T-29 170
 T-30 171
 T-31 172
 T-32 173
 T-33 174
 T-34 175
 T-35 176
 T-36 177
 T-37 178
 T-38 179
 T-39 180
 T-40 181
 T-41 182
 T-42 183
 T-43 184
 T-44 185
 T-45 186
 T-46 187
 T-47 188
 T-48 189
 T-49 190
 T-50 191
 T-51 192
 T-52 193
 T-53 194
 T-54 195
 T-55 196
 T-56 197
 T-57 198
 T-58 199
 T-59 200
 T-60 201
 T-61 202
 T-62 203
 T-63 204
 T-64 205
 T-65 206
 T-66 207
 T-67 208
 T-68 209
 T-69 210
 T-70 211
 T-71 212
 T-72 213
 T-73 214
 T-74 215
 T-75 216
 T-76 217
 T-77 218
 T-78 219
 T-79 220
 T-80 221
 T-81 222
 T-82 223
 T-83 224
 T-84 225
 T-85 226
 T-86 227
 T-87 228
 T-88 229
 T-89 230
 T-90 231
 T-91 232
 T-92 233
 T-93 234
 T-94 235
 T-95 236
 T-96 237
 T-97 238
 T-98 239
 T-99 240
 T-100 241
 T-101 242
 T-102 243
 T-103 244
 T-104 245
 T-105 246
 T-106 247
 T-107 248
 T-108 249
 T-109 250
 T-110 251
 T-111 252
 T-112 253
 T-113 254
 T-114 255
 T-115 256
 T-116 257
 T-117 258
 T-118 259
 T-119 260
 T-120 261
 T-121 262
 T-122 263
 T-123 264
 T-124 265
 T-125 266
 T-126 267
 T-127 268
 T-128 269
 T-129 270
 T-130 271
 T-131 272
 T-132 273
 T-133 274
 T-134 275
 T-135 276
 T-136 277
 T-137 278
 T-138 279
 T-139 280
 T-140 281
 T-141 282
 T-142 283
 T-143 284
 T-144 285
 T-145 286
 T-146 287
 T-147 288
 T-148 289
 T-149 290
 T-150 291
 T-151 292
 T-152 293
 T-153 294
 T-154 295
 T-155 296
 T-156 297
 T-157 298
 T-158 299
 T-159 300
 T-160 301
 T-161 302
 T-162 303
 T-163 304
 T-164 305
 T-165 306
 T-166 307
 T-167 308
 T-168 309
 T-169 310
 T-170 311
 T-171 312
 T-172 313
 T-173 314
 T-174 315
 T-175 316
 T-176 317
 T-177 318
 T-178 319
 T-179 320
 T-180 321
 T-181 322
 T-182 323
 T-183 324
 T-184 325
 T-185 326
 T-186 327
 T-187 328
 T-188 329
 T-189 330
 T-190 331
 T-191 332
 T-192 333
 T-193 334
 T-194 335
 T-195 336
 T-196 337
 T-197 338
 T-198 339
 T-199 340
 T-200 341
 T-201 342
 T-202 343
 T-203 344
 T-204 345
 T-205 346
 T-206 347
 T-207 348
 T-208 349
 T-209 350
 T-210 351
 T-211 352
 T-212 353
 T-213 354
 T-214 355
 T-215 356
 T-216 357
 T-217 358
 T-218 359
 T-219 360
 T-220 361
 T-221 362
 T-222 363
 T-223 364
 T-224 365
 T-225 366
 T-226 367
 T-227 368
 T-228 369
 T-229 370
 T-230 371
 T-231 372
 T-232 373
 T-233 374
 T-234 375
 T-235 376
 T-236 377
 T-237 378
 T-238 379
 T-239 380
 T-240 381
 T-241 382
 T-242 383
 T-243 384
 T-244 385
 T-245 386
 T-246 387
 T-247 388
 T-248 389
 T-249 390
 T-250 391
 T-251 392
 T-252 393
 T-253 394
 T-254 395
 T-255 396
 T-256 397
 T-257 398
 T-258 399
 T-259 400
 T-260 401
 T-261 402
 T-262 403
 T-263 404
 T-264 405
 T-265 406
 T-266 407
 T-267 408
 T-268 409
 T-269 410
 T-270 411
 T-271 412
 T-272 413
 T-273 414
 T-274 415
 T-275 416
 T-276 417
 T-277 418
 T-278 419
 T-279 420
 T-280 421
 T-281 422
 T-282 423
 T-283 424
 T-284 425
 T-285 426
 T-286 427
 T-287 428
 T-288 429
 T-289 430
 T-290 431
 T-291 432
 T-292 433
 T-293 434
 T-294 435
 T-295 436
 T-296 437
 T-297 438
 T-298 439
 T-299 440
 T-300 441
 T-301 442
 T-302 443
 T-303 444
 T-304 445
 T-305 446
 T-306 447
 T-307 448
 T-308 449
 T-309 450
 T-310 451
 T-311 452
 T-312 453
 T-313 454
 T-314 455
 T-315 456
 T-316 457
 T-317 458
 T-318 459
 T-319 460
 T-320 461
 T-321 462
 T-322 463
 T-323 464
 T-324 465
 T-325 466
 T-326 467
 T-327 468
 T-328 469
 T-329 470
 T-330 471
 T-331 472
 T-332 473
 T-333 474
 T-334 475
 T-335 476
 T-336 477
 T-337 478
 T-338 479
 T-339 480
 T-340 481
 T-341 482
 T-342 483
 T-343 484
 T-344 485
 T-345 486
 T-346 487
 T-347 488
 T-348 489
 T-349 490
 T-350 491
 T-351 492
 T-352 493
 T-353 494
 T-354 495
 T-355 496
 T-356 497
 T-357 498
 T-358 499
 T-359 500
 T-360 501
 T-361 502
 T-362 503
 T-363 504
 T-364 505
 T-365 506
 T-366 507
 T-367 508
 T-368 509
 T-369 510
 T-370 511
 T-371 512
 T-372 513
 T-373 514
 T-374 515
 T-375 516
 T-376 517
 T-377 518
 T-378 519
 T-379 520
 T-380 521
 T-381 522
 T-382 523
 T-383 524
 T-384 525
 T-385 526
 T-386 527
 T-387 528
 T-388 529
 T-389 530
 T-390 531
 T-391 532
 T-392 533
 T-393 534
 T-394 535
 T-395 536
 T-396 537
 T-397 538
 T-398 539
 T-399 540
 T-400 541
 T-401 542
 T-402 543
 T-403 544
 T-404 545
 T-405 546
 T-406 547
 T-407 548
 T-408 549
 T-409 550
 T-410 551
 T-411 552
 T-412 553
 T-413 554
 T-414 555
 T-415 556
 T-416 557
 T-417 558
 T-418 559
 T-419 560
 T-420 561
 T-421 562
 T-422 563
 T-423 564
 T-424 565
 T-425 566
 T-426 567
 T-427 568
 T-428 569
 T-429 570
 T-430 571
 T-431 572
 T-432 573
 T-433 574
 T-434 575
 T-435 576
 T-436 577
 T-437 578
 T-438 579
 T-439 580
 T-440 581
 T-441 582
 T-442 583
 T-443 584
 T-444 585
 T-445 586
 T-446 587
 T-447 588
 T-448 589
 T-449 590
 T-450 591
 T-451 592
 T-452 593
 T-453 594
 T-454 595
 T-455 596
 T-456 597
 T-457 598
 T-458 599
 T-459 600
 T-460 601
 T-461 602
 T-462 603
 T-463 604
 T-464 605
 T-465 606
 T-466 607
 T-467 608
 T-468 609
 T-469 610
 T-470 611
 T-471 612
 T-472 613
 T-473 614
 T-474 615
 T-475 616
 T-476 617
 T-477 618
 T-478 619
 T-479 620
 T-480 621
 T-481 622
 T-482 623
 T-483 624
 T-484 625
 T-485 626
 T-486 627
 T-487 628
 T-488 629
 T-489 630
 T-490 631
 T-491 632
 T-492 633
 T-493 634
 T-494 635
 T-495 636
 T-496 637
 T-497 638
 T-498 639
 T-499 640
 T-500 641
 T-501 642
 T-502 643
 T-503 644
 T-504 645
 T-505 646
 T-506 647
 T-507 648
 T-508 649
 T-509 650
 T-510 651
 T-511 652
 T-512 653
 T-513 654
 T-514 655
 T-515 656
 T-516 657
 T-517 658
 T-518 659
 T-519 660
 T-520 661
 T-521 662
 T-522 663
 T-523 664
 T-524 665
 T-525 666
 T-526 667
 T-527 668
 T-528 669
 T-529 670
 T-530 671
 T-531 672
 T-532 673
 T-533 674
 T-534 675
 T-535 676
 T-536 677
 T-537 678
 T-538 679
 T-539 680
 T-540 681
 T-541 682
 T-542 683
 T-543 684
 T-544 685
 T-545 686
 T-546 687
 T-547 688
 T-548 689
 T-549 690
 T-550 691
 T-551 692
 T-552 693
 T-553 694
 T-554 695
 T-555 696
 T-556 697
 T-557 698
 T-558 699
 T-559 700
 T-560 701
 T-561 702
 T-562 703
 T-563 704
 T-564 705
 T-565 706
 T-566 707
 T-567 708
 T-568 709
 T-569 710
 T-570 711
 T-571 712
 T-572 713
 T-573 714
 T-574 715
 T-575 716
 T-576 717
 T-577 718
 T-578 719
 T-579 720
 T-580 721
 T-581 722
 T-582 723
 T-583 724
 T-584 725
 T-585 726
 T-586 727
 T-587 728
 T-588 729
 T-589 730
 T-590 731
 T-591 732
 T-592 733
 T-593 734
 T-594 735
 T-595 736
 T-596 737
 T-597 738
 T-598 739
 T-599 740
 T-600 741
 T-601 742
 T-602 743
 T-603 744
 T-604 745
 T-605 746
 T-606 747
 T-607 748
 T-608 749
 T-609 750
 T-610 751
 T-611 752
 T-612 753
 T-613 754
 T-614 755
 T-615 756
 T-616 757
 T-617 758
 T-618 759
 T-619 760
 T-620 761
 T-621 762
 T-622 763
 T-623 764
 T-624 765
 T-625 766
 T-626 767
 T-627 768
 T-628 769
 T-629 770
 T-630 771
 T-631 772
 T-632 773
 T-633 774
 T-634 775
 T-635 776
 T-636 777
 T-637 778
 T-638 779
 T-639 780
 T-640 781
 T-641 782
 T-642 783
 T-643 784
 T-644 785
 T-645 786
 T-646 787
 T-647 788
 T-648 789
 T-649 790
 T-650 791
 T-651 792
 T-652 793
 T-653 794
 T-654 795
 T-655 796
 T-656 797
 T-657 798
 T-658 799
 T-659 800
 T-660 801
 T-661 802
 T-662 803
 T-663 804
 T-664 805
 T-665 806
 T-666 807
 T-667 808
 T-668 809
 T-669 810
 T-670 811
 T-671 812
 T-672 813
 T-673 814
 T-674 815
 T-675 816
 T-676 817
 T-677 818
 T-678 819
 T-679 820
 T-680 821
 T-681 822
 T-682 823
 T-683 824
 T-684 825
 T-685 826
 T-686 827
 T-687 828
 T-688 829
 T-689 830
 T-690 831
 T-691 832
 T-692 833
 T-693 834
 T-694 835
 T-695 836
 T-696 837
 T-697 838
 T-698 839
 T-699 840
 T-700 841
 T-701 842
 T-702 843
 T-703 844
 T-704 845
 T-705 846
 T-706 847
 T-707 848
 T-708 849
 T-709 850
 T-710 851
 T-711 852
 T-712 853
 T-713 854
 T-714 855
 T-715 856
 T-716 857
 T-717 858
 T-718 859
 T-719 860
 T-720 861
 T-721 862
 T-722 863
 T-723 864
 T-724 865
 T-725 866
 T-726 867
 T-727 868
 T-728 869
 T-729 870
 T-730 871
 T-731 872
 T-732 873
 T-733 874
 T-734 875
 T-735 876
 T-736 877
 T-737 878
 T-738 879
 T-739 880
 T-740 881
 T-741 882
 T-742 883
 T-743 884
 T-744 885
 T-745 886
 T-746 887
 T-747 888
 T-748 889
 T-749 890
 T-750 891
 T-751 892
 T-752 893
 T-753 894
 T-754 895
 T-755 896
 T-756 897
 T-757 898
 T-758 899
 T-759 900
 T-760 901
 T-761 902
 T-762 903
 T-763 904
 T-764 905
 T-765 906
 T-766 907
 T-767 908
 T-768 909
 T-769 910
 T-770 911
 T-771 912
 T-772 913
 T-773 914
 T-774 915
 T-775 916
 T-776 917
 T-777 918
 T-778 919
 T-779 920
 T-780 921
 T-781 922
 T-782 923
 T-783 924
 T-784 925
 T-785 926
 T-786 927
 T-787 928
 T-788 929
 T-789 930
 T-790 931
 T-791 932
 T-792 933
 T-793 934
 T-794 935
 T-795 936
 T-796 937
 T-797 938
 T-798 939
 T-799 940
 T-800 941
 T-801 942
 T-802 943
 T-803 944
 T-804 945
 T-805 946
 T-806 947
 T-807 948
 T-808 949
 T-809 950
 T-810 951
 T-811 952
 T-812 953
 T-813 954
 T-814 955
 T-815 956
 T-816 957
 T-817 958
 T-818 959
 T-819 960
 T-820 961
 T-821 962
 T-822 963
 T-823 964
 T-824 965
 T-825 966
 T-826 967
 T-827 968
 T-828 969
 T-829 970
 T-830 971
 T-831 972
 T-832 973
 T-833 974
 T-834 975
 T-835 976
 T-836 977
 T-837 978
 T-838 979
 T-839 980
 T-840 981
 T-841 982
 T-842 983
 T-843 984
 T-844 985
 T-845 986
 T-846 987
 T-847 988
 T-848 989
 T-849 990
 T-850 991
 T-851 992
 T-852 993
 T-853 994
 T-854 995
 T-855 996
 T-856 997
 T-857 998
 T-858 999
 T-859 1000
 T-860 1001
 T-861 1002
 T-862 1003
 T-863 1004
 T-864 1005
 T-865 1006
 T-866 1007
 T-867 1008
 T-868 1009
 T-869 1010
 T-870 1011
 T-871 1012
 T-872 1013
 T-873 1014
 T-874 1015
 T-875 1016
 T-876 1017
 T-877 1018
 T-878 1019
 T-879 1020
 T-880 1021
 T-881 1022
 T-882 1023
 T-883 1024
 T-884 1025
 T-885 1026
 T-886 1027
 T-887 1028
 T-888 1029
 T-889 1030
 T-890 1031
 T-891 1032
 T-892 1033
 T-893 1034
 T-894 1035
 T-895 1036
 T-896 1037
 T-897 1038
 T-898 1039
 T-899 1040
 T-900 1041
 T-901 1042
 T-902 1043
 T-903 1044
 T-904 1045
 T-905 1046
 T-906 1047
 T-907 1048
 T-908 1049
 T-909 1050
 T-910 1051
 T-911 1052
 T-912 1053
 T-913 1054
 T-914 1055
 T-915 1056
 T-916 1057
 T-917 1058
 T-918 1059
 T-919 1060
 T-920 1061
 T-921 1062
 T-922 1063
 T-923 1064
 T-924 1065
 T-925 1066
 T-926 1067
 T-927 1068
 T-928 1069
 T-929 1070
 T-930 1071
 T-931 1072
 T-932 1073
 T-933 1074
 T-934 1075
 T-935 1076
 T-936 1077
 T-937 1078
 T-938 1079
 T-939 1080
 T-940 1081
 T-941 1082
 T-942 1083
 T-943 1084
 T-944 1085
 T-945 1086
 T-946 1087
 T-947 1088
 T-948 1089



LEGEND

- ⊕ Soil grid
- △ 167-171 Rock sample location and number
Rock sample value - ppm Ba
- 167-187 Silt sample location and number
Silt sample value - ppm Ba

SOIL VALUES (ppm Ba)

2300 - 2700 Possibly anomalous
2700+ Anomalous

FIN PROPERTY 091107 105 H/12

Drawn by: T.H.	Traced by: [Signature]
Revised by: [Blank]	Revised by: [Blank]
Date: [Blank]	Date: [Blank]

GEOCHEMICAL SURVEY
(Ppm Ba)

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 105-H/12



GEOPHYSICAL REPORT



ON THE

UTEM ELECTROMAGNETIC SURVEY

ON THE

F I N CLAIMS

Latitude : 61°40'N

Longitude : 129°50'W

Claims Covered : FIN 2, 3, 4, 5, 6, 7, 8, 9, 10, 20,
21, 22, 23, 24, 25, 26, 27, 28, 29,
30, 31, 32, 33, 34, 35, 37, 39, 40,
41, 43, 224, 225, 226, 274, 280 and
282

Claim Owner and Operator : COMINCO LTD.

091407

DECEMBER 1982

Jules J. Lajoie
Ph.D., P.Eng.

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
DESCRIPTION OF THE UTEM SYSTEM	1
DATA PRESENTATION	2
INTERPRETATION	3
CONCLUSIONS	5
REFERENCES	7
PLATE 237-82-1 LOCATION MAP	8
LEGEND - UTEM COMPILATION MAP AND DATA SECTIONS	9
DATA SECTIONS	
STATEMENT	
EXHIBIT "A" - STATEMENT OF EXPENDITURES (1982)	
CERTIFICATION	
PLATE 237-82-2 UTEM SURVEY LINES ON THE FIN CLAIMS	(in envelope)
PLATE 237-82-3 UTEM COMPILATION MAP	(in envelope)

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 105-H/12

GEOPHYSICAL REPORT
ON THE
UTEM ELECTROMAGNETIC SURVEY
ON THE
F I N CLAIMS

INTRODUCTION

The FIN claims are located about 185 km north of Watson Lake, Yukon as shown in Plate 237-82-1. Access is by gravel road from Watson Lake, north to Frances Lake, then a 20 km helicopter jaunt to the property. The geology on the property is described in a separate report by T.W. Hodson, to which this geophysical report is an addendum.

This report describes a UTEM time domain electromagnetic survey performed on the property from July 23rd to August 9th, 1982. Twenty-six kilometers of surveying were completed. This work was performed on FIN claims 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 39, 40, 41, 43, 224, 225, 226, 274, 280 and 282 as shown in Plate 237-82-2. The field work was executed by J.J. Lajoie, A. O'Hara and G.E. Lillos, all of Cominco Ltd.

DESCRIPTION OF THE UTEM SYSTEM

UTEM is an acronym for "University of Toronto Electromagnetometer". The system was developed by Dr. Y. Lamontagne (1975) while he was a graduate student at that university.

The field procedure consists of first laying out a large loop of single strand insulated wire and energizing it with current from a transmitter which is powered by a 1.7 kw motor generator. Survey lines are generally oriented perpendicular to one side of the loop and surveying can be performed both inside and outside the loop. The field procedure is similar to Turam, a better known electromagnetic surveying method.

The transmitter loop is energized with a precise triangular current waveform at a carefully controlled frequency (30.9 Hz for most of this survey). The receiver system includes a sensor coil and backpack portable receiver module which has a digital recording facility on cassette magnetic tape. The time synchronization between transmitter and receiver is achieved through quartz crystal clocks in both units which must be accurate to about one second in 50 years.

The receiver sensor coil measures the vertical magnetic component of the electromagnetic field and response to its time derivative. Since the transmitter current waveform is triangular, the receiver coil will sense a perfect square wave in the absence of geologic conductors. Deviations from a perfect square wave are caused by electrical conductors which may be geologic or cultural in origin. The receiver stacks any preset number of cycles in order to increase the signal to noise ratio.

The UTEM receiver gathers and records 9 channels of data at each station. The later number channels (7-8-9) correspond to short time or high frequency while the lower number channels (1-2-3) correspond to long time or low frequency. Therefore, poor or weak conductors will respond on channels 9, 8, 7 and 6. Progressively better conductors will give responses on progressively lower number channels as well. For example, massive, highly conducting sulphides or graphite will produce a response on all nine channels.

It was mentioned above that the UTEM receiver records data digitally on a cassette. This tape is played back into a computer at the base camp. The computer processes the data and controls the plotting on an 11" x 15" graphics plotter. Data are portrayed on data sections (D.S.) as profiles of each of the nine channels, one section for each survey line.

DATA PRESENTATION

The results of the survey are presented in one compilation map (Plate 237-82-3) and 19 data sections. The loop number is indicated on each data section and loops are shown outlined in Plate 237-82-3.

Legends for both the UTEM compilation maps and the data sections are also attached.

The data sections are arranged in order of loop number, then in order of line number. The reconnaissance lines are last, in data sections 17 to 19.

The magnetic field amplitudes from both the transmitter loop (primary field) and from the electric currents induced in the ground (secondary field) vary by a few orders of magnitude from the beginning of a line near the transmitter loop to the end of the survey line far from the transmitter loop. To present such data, a normalized scheme must be used. In this survey, the primary field from the loop is used for normalizing and presenting the data according to the following scheme:-

a) for channel 1:

$$\% \text{ Ch. 1 anomaly} = \frac{\text{Ch.1} - P}{P} \times 100\%$$

where P is the primary field from the loop at the station and Ch.1 is the observed amplitude for channel 1

b) For the remaining channels (n = 2 to 9)

$$\% \text{ Ch.n anomaly} = \frac{(\text{Ch.n} - \text{Ch.1})}{\text{Ch.1}} \times 100\%$$

where Ch.n is the observed amplitude of Channel n (n = 2 to 9)

The above normalization procedures result in chaining errors displayed in Channel 1 only.

INTERPRETATION

The interpretation is compiled onto Plate 237-82-3 and the anomalous responses are discussed individually below. There are two types of anomalies in this survey. Firstly, there are large conductive areas extending across the whole survey area called Zones A and B. Anomalies from these result from current channelling effects, that is, regionally induced electric currents being channelled into the conductive zones. It is very difficult to arrive at meaningful absolute conductance estimates for such anomalies. Secondly, there are more isolated anomalies and these are called Conductors 1 to 4. Anomalies from these are due to standard electromagnetic induction effects restricted within the conductors and so conductance estimates are made where size dimensions may be estimated.

ZONE A

A crossover type of anomaly occurs at about 4700N on all lines, except Line 4200E, as can be seen for example at 4800N on Line 4800E in Data Section 4 (D.S. 4). In Plate 237-82-3, it is represented by the crosses defining the southern limit of Zone A.

To the west, the source is either getting deeper, as shown by the broad anomaly shape on Line 4400E (D.S. 2), or is faulted off between Lines 4400E and 4600E. In the latter case, the anomaly on Line 4400E would be responding to the conductive zone east of the line.

To the east, the anomaly amplitude is progressively greater and occurs at later time as seen by the Channel 2 anomaly at 4725N on Line 5800E (D.S. 9). This indicates increasing conductance of Zone A to the east.

The northern limit for Zone A is bounded by an early time (low conductivity), small amplitude anomaly. This postulated boundary for Zone A is uncertain. It is not clearly defined in the data east of Line 5200E.

Conductors 1a and 1b

Conductors 1a and 1b are two small, adjacent conductors occurring with Zone A, observed only on Line 5000E (D.S. 5) between 4650N and 4950N. The evidence for two separate conductors comes from two well-defined trough-shaped anomalies each with a different time constant. Conductor 1a, about 150 meters wide on Line 5000E, has a strong late time response up to channel 2; its conductance is estimated at about 170 mhos, putting it in the good to excellent range. Conductor 1b, about 110 meters wide, has a conductance estimated at about 50 mhos. Both conductors are nearly flat-lying at a depth of 30-50 meters.

In this data, Conductors 1a and 1b appear as isolated conductors within Zone A. Geologically, however, the increasing conductivity of Zone A to the east could indicate that the source material causing Conductors 1a and 1b extends to the east.

ZONE B

Zone B (Plate 237-82-3) is a very large conductive zone occupying the southern part of the survey area. It produces a prominent anomaly up to late time (Channel 2 or 1) on most lines. The northern boundary is very sharp, and may be a fault contact between resistive rocks to the north and conductive rocks to the south. Lines 4200E, 4600E, 5000E, 5400E and 5800E were extended south of 4000N to map the zone. The southern limit was not found. Three reconnaissance lines were also surveyed, R1 and R2 heading southeast and east respectively,

and line R3 heading southwest. The conductivity of Zone B is highest in the southeast part of the grid, in the vicinity of 4000N, Line 5800E.

It is uncertain what happens to Zone B to the west. A strong anomaly is not obtained on Line 4200E and so it is not certain if the conductor on line R3 is an isolated conductor or simply the extension of Zone B to the west.

Conductors 2 and 3

Conductors 2 and 3 are sub zones of higher conductivity within Zone B. Assuming an overall dimension of about 700 meters for Conductor 2, its conductance is estimated at about 75 mhos. It is open to the south and its depth is estimated at less than 75 meters. The shape of Conductor 3 is less well-defined and so no conductance estimate is made for it except to say that it appears to be of the same order as that of Conductor 2.

Conductor 4

Another conductor was located on reconnaissance line R3. It is not known if it represents the westerly extension of Zone B or an isolated conductor. More fill-in work would be required to determine this.

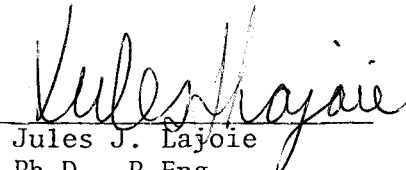
Conductor 5

Conductor 5 is on early time (low conductance) anomaly striking east-west in the northern part of the grid. It may be caused by a fault.


CONCLUSIONS

A 25 km UTEM electromagnetic survey was conducted on a portion of the FIN Claims in 1982. Large regional conductive zones and isolated conductors were located. Drilling is recommended to identify the source material for these anomalies.

Report by:


Jules J. Lajoie
Ph.D., P.Eng.

Approved for
Release by:

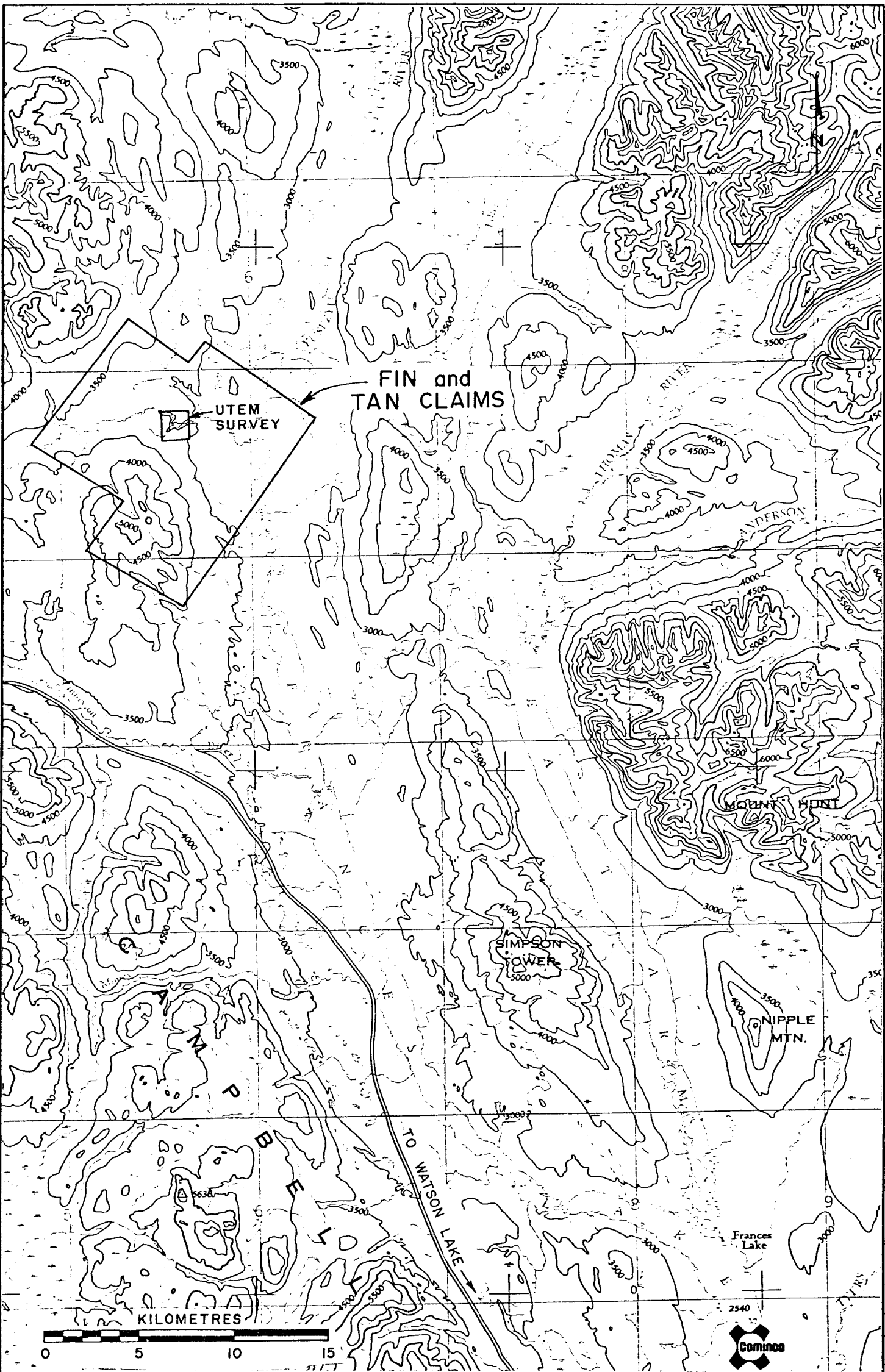

Jon A. Collins
Ph.D., P.Eng.

Distribution:

Mining Recorder, Whitehorse (2)
Cominco Exploration:
 Western District (1)
 Technical Support (1)

REFERENCES

- Lamontagne, Y., 1975 Applications of Wideband Time Domain
EM Measurements in Mineral Exploration:
Doctoral Thesis, University of Toronto



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

**FIN GROUP
LOCATION MAP
WATSON LAKE M.D. YUKON**

NTS
105-H-12

Scale: 1 : 250000 Date: DECEMBER 1982 Plate: 237 - 82 - 1

LEGEND

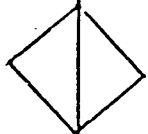
UTEM COMPILATION MAPS & DATA SECTIONS

SYMBOL	CHANNEL	MEAN DELAY TIME	
		15 Hz	30 Hz
1	1	25.6 ms	12.8 ms
/	2	12.8	6.4
\	3	6.4	3.2
□	4	3.2	1.6
∩	5	1.6	0.8
△	6	0.8	0.4
∇	7	0.4	0.2
⊗	8	0.2	0.1
△	9	0.1	0.05
◇	10	0.05	

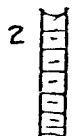


Axis of a cross-over anomaly. The number indicates the latest anomalous channel.

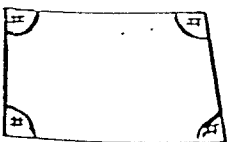
Depth indicated by: S - Shallow (< 30m)
M - Moderate (30-75m)
D - Deep (> 75m)



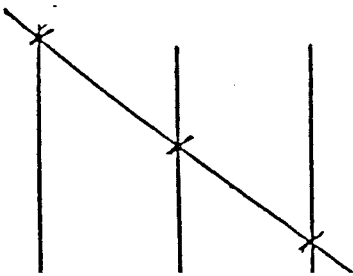
Axis of reversed cross-over anomaly produced when a small conductor dips at less than 70° towards the transmitter. In normal cross-over the positive response is towards the transmitter; reversed one, it is away from the transmitter.



Indicates a negative anomaly of width shown by the dash. The latest anomalous channel is shown. Can sometimes be confused with the negative part of a cross-over anomaly.



Outline of a transmitter loop.

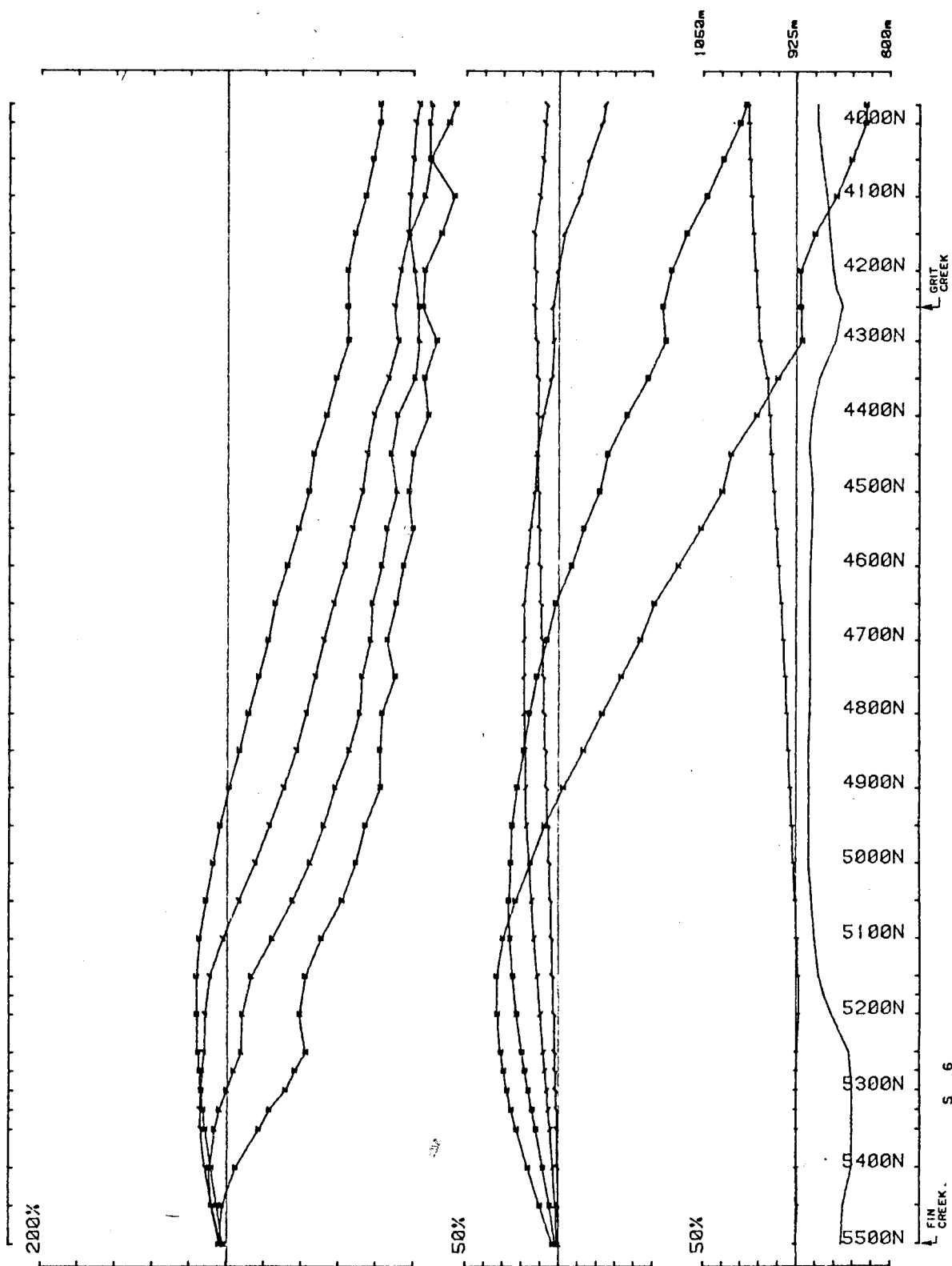


Conductor axis located by cross-over anomalies with a conductance determination. The conductance is the interpreted conductivity x thickness of the conductor in mhos (same as Siemens).

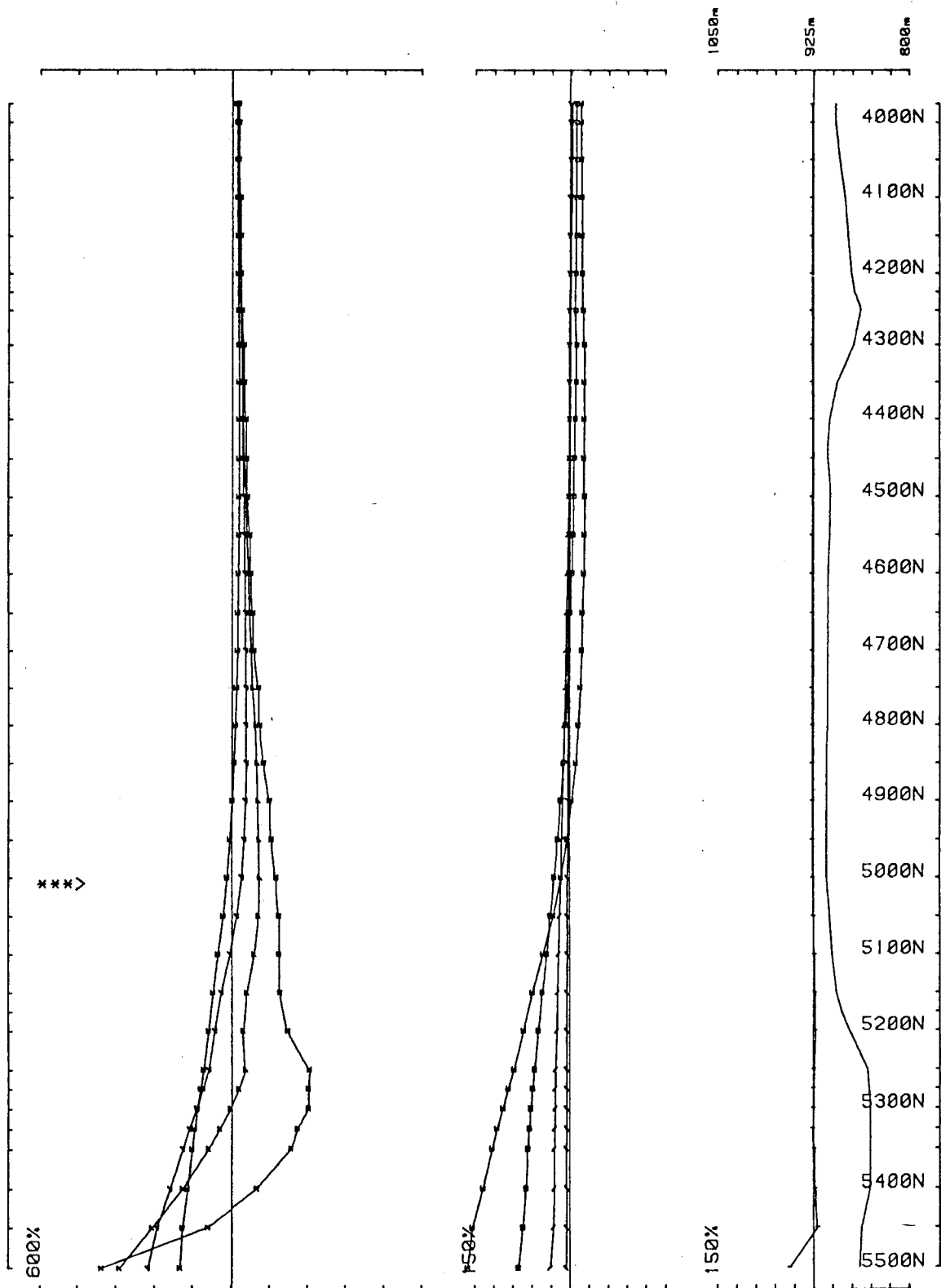
Only the principal cross-over anomalies are indicated.

D A T A S E C T I O N S

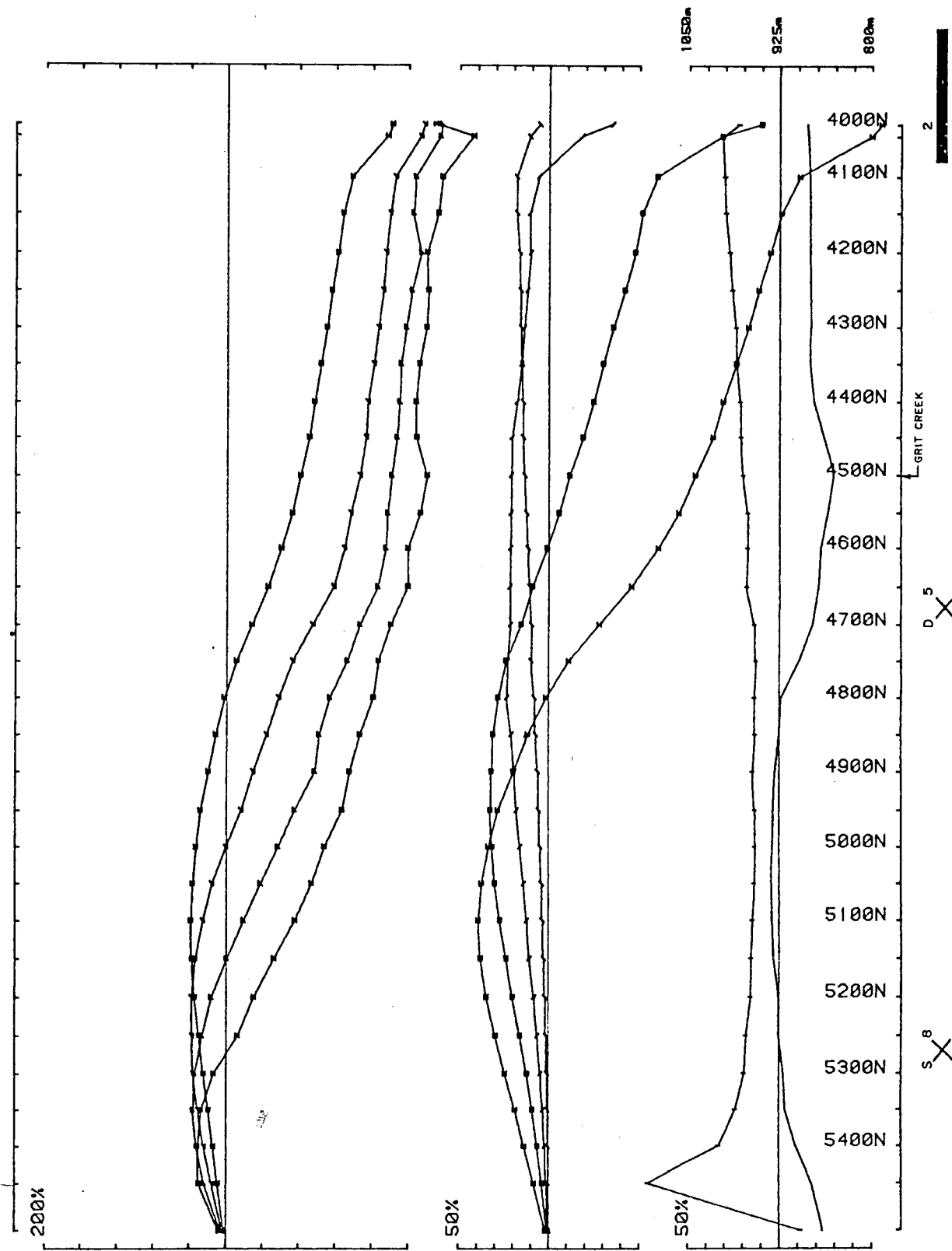
D.S. 1 to D.S. 19



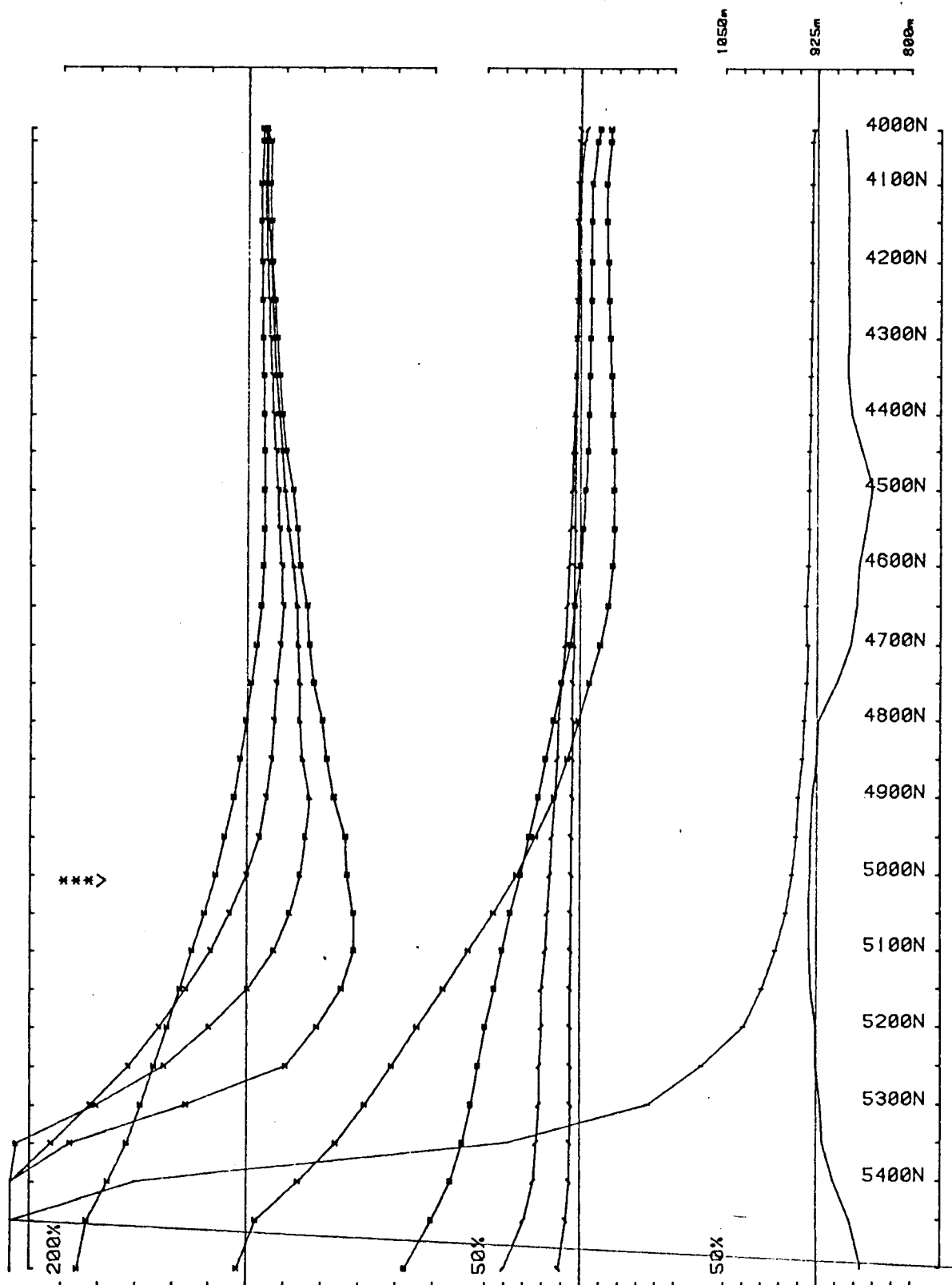
Area FIN 27-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0001 Line 4200E component Hz secondary Ch 1 normalized



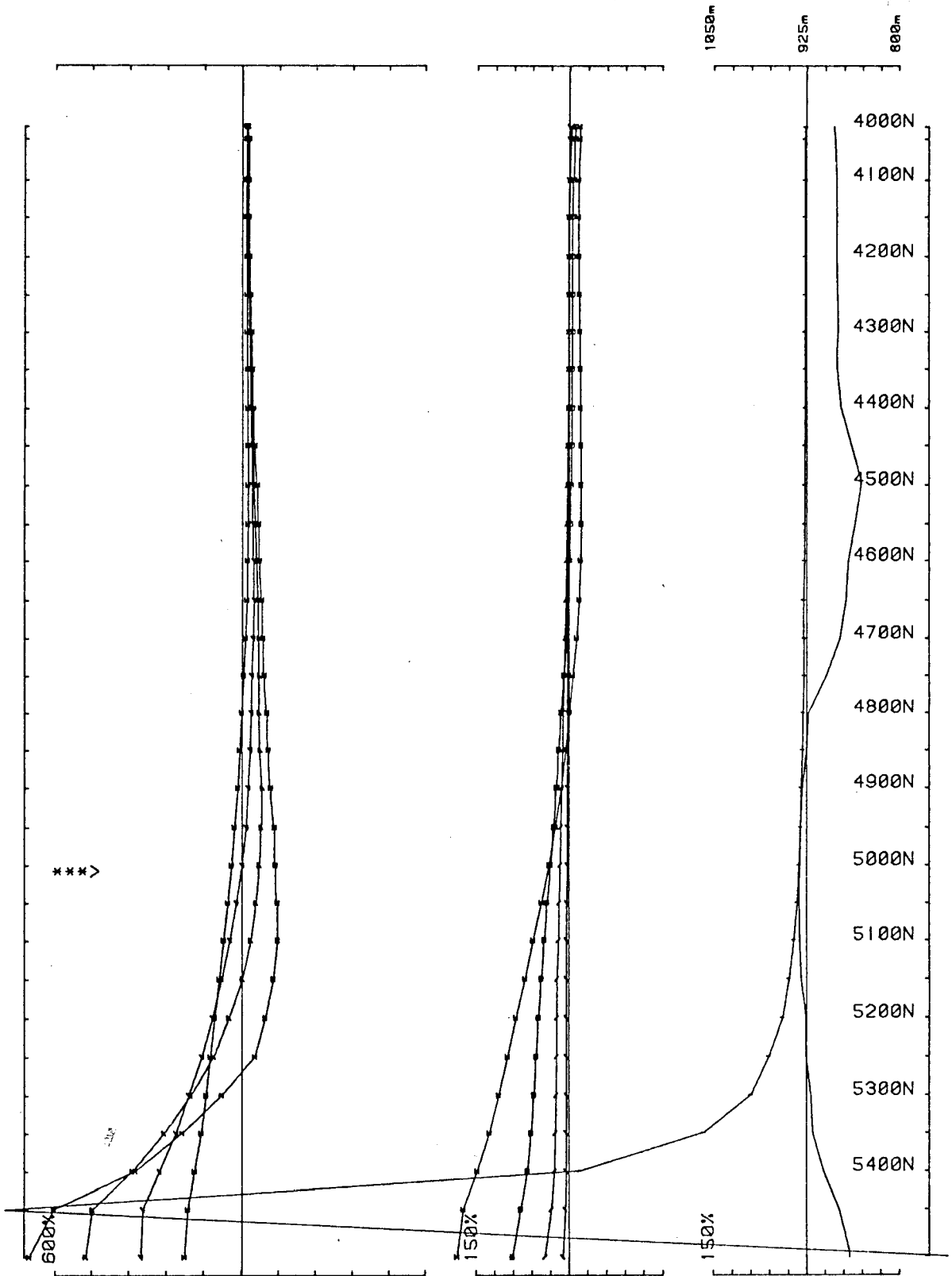
Area FIN 27-JULY-82 Cominco operator JYL&AOH freq(hz) 30.974
 Loopno 0001 Line 4200E component Hz secondary Ch 1 normalized



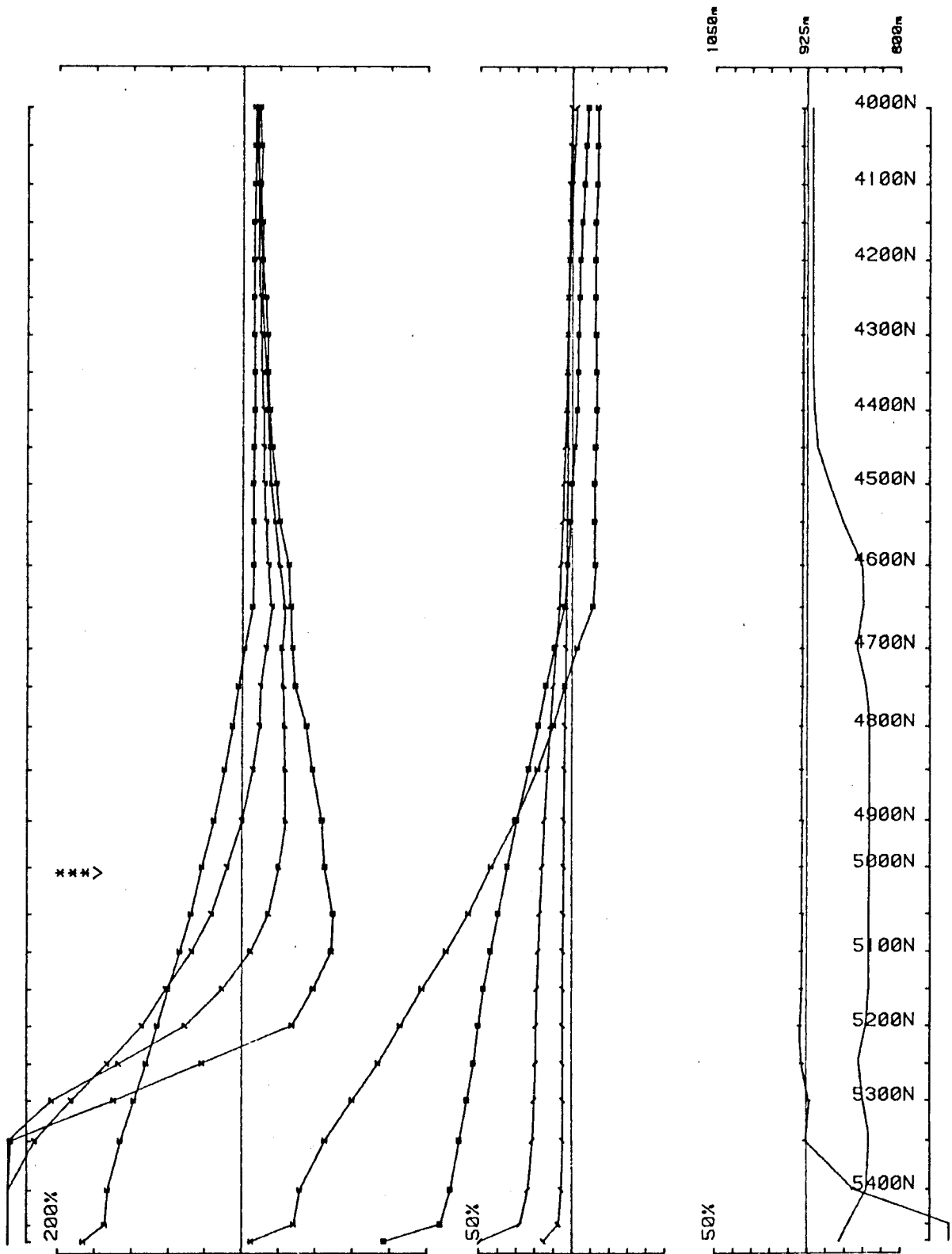
Area FIN 27-jul-82 COMINCO operator JJL&AOH freq(hz) 30.974
 Loopno 0001 Line 4400E component Hz secondary Ch 1 normalized



Area FIN 27-Jul-82 COMINCO operator JUL&AOH freq(hz) 30.974
 Loopno 0001 Line 4400E component Hz secondary Ch 1 normalized

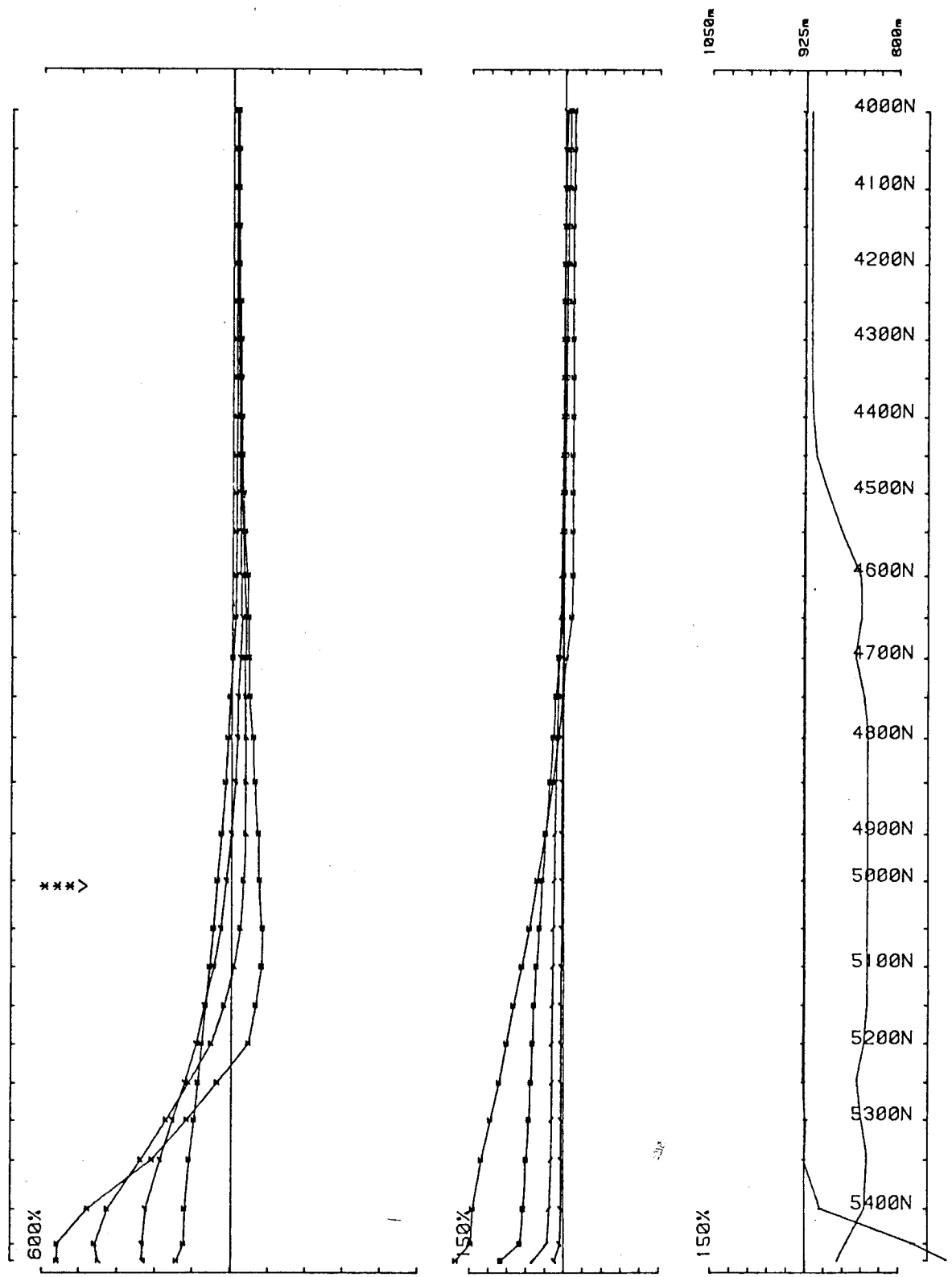


Area FIN 27-jul-82 COMINCO operator JUL&AOH freq(hz) 30.974
 Loopno 0001 Line 4400E component Hz secondary Ch 1 normalized

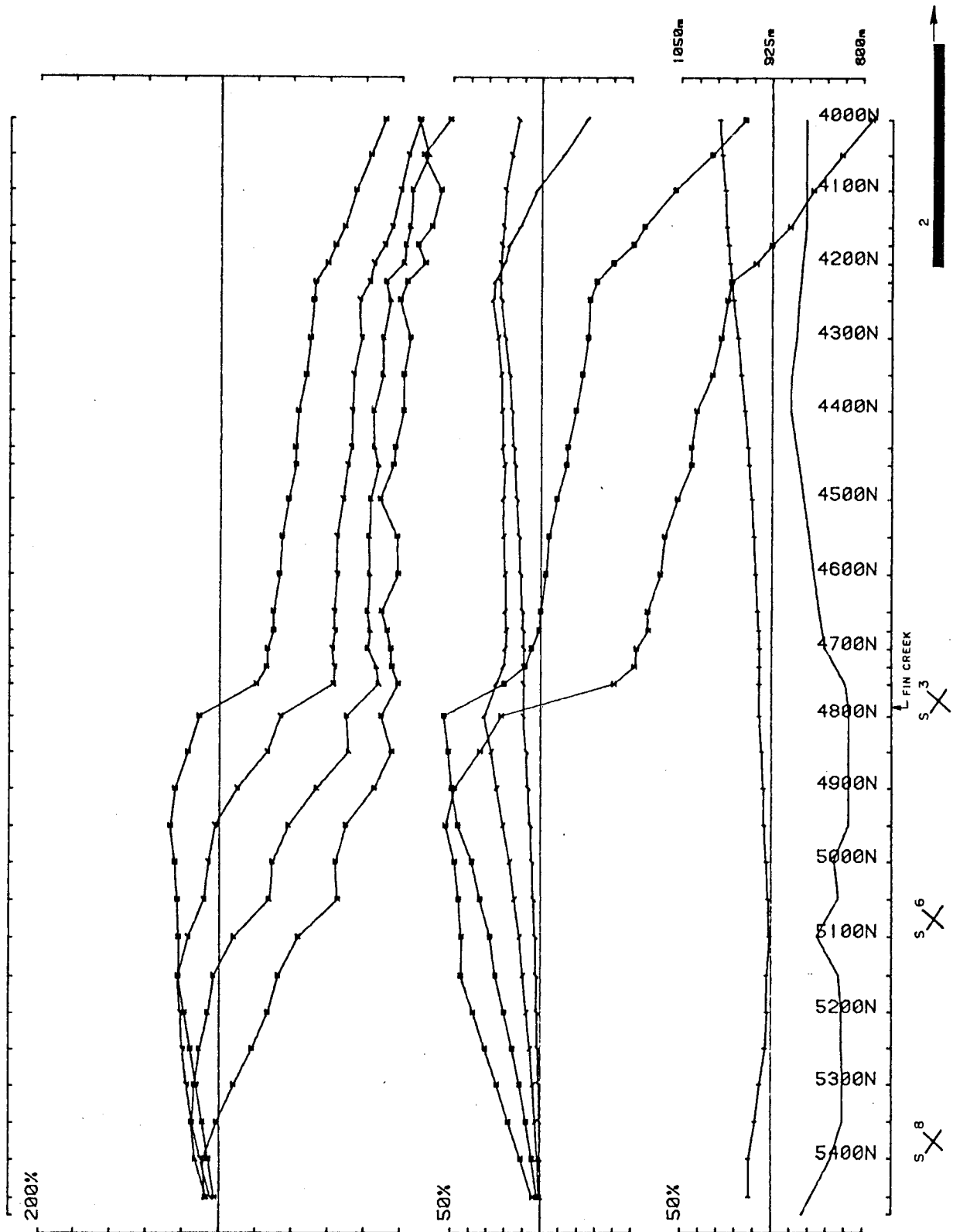


Area FIN 26-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0001 Line 4600E component Hz secondary Ch 1 normalized

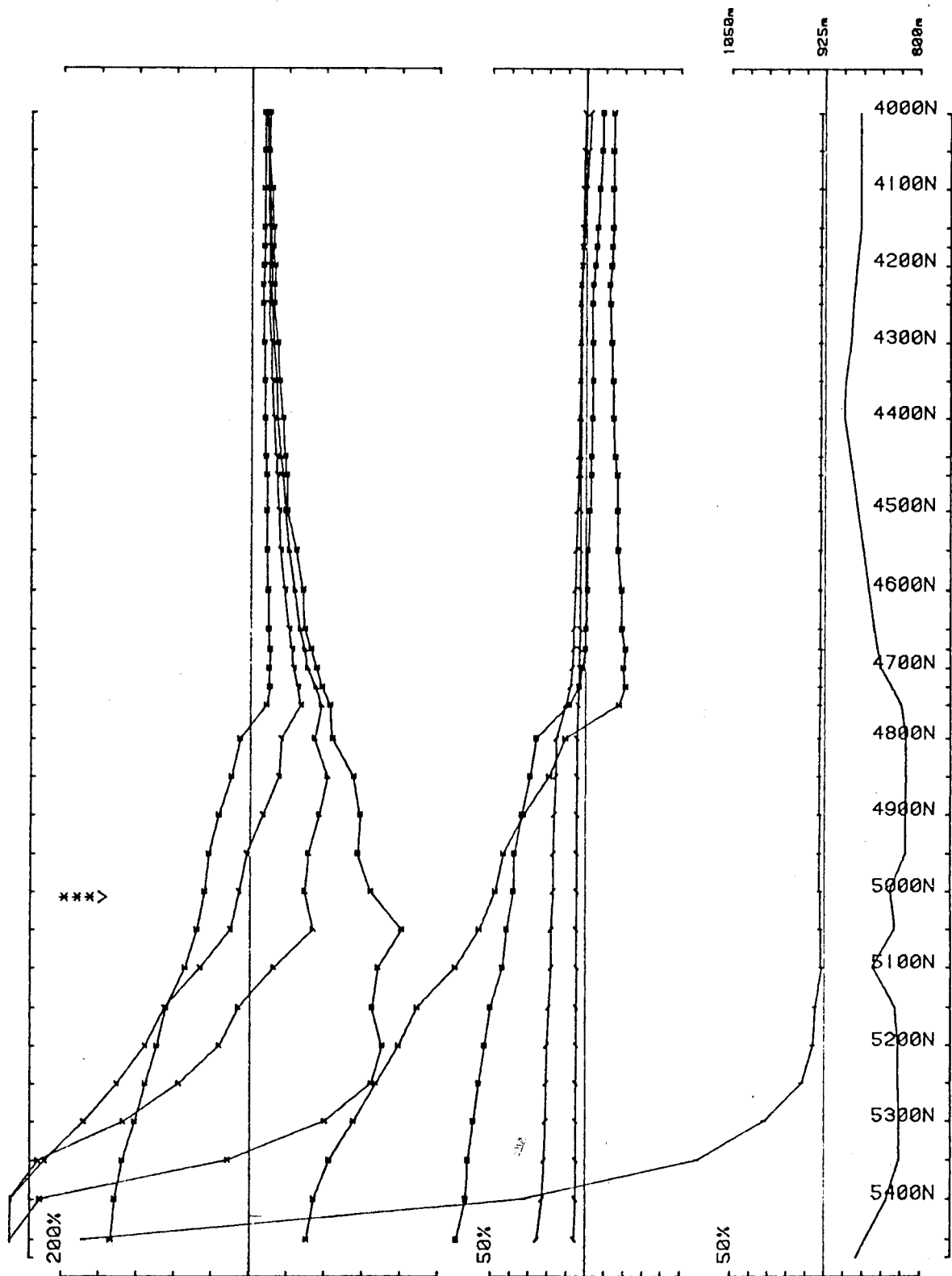
E



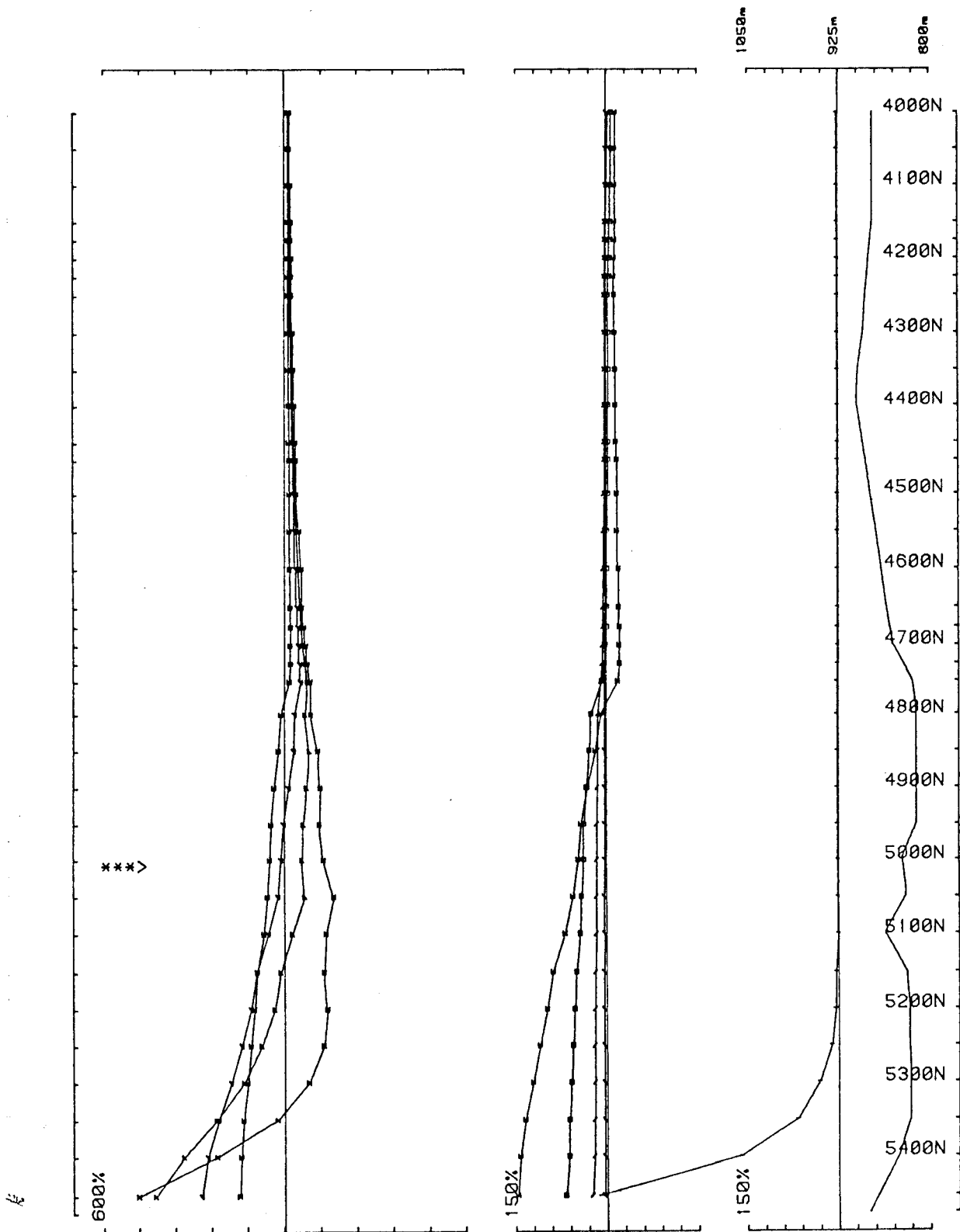
Area FIN 26-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
Loopno 0001 Line 4600E component Hz secondary Ch 1 normalized



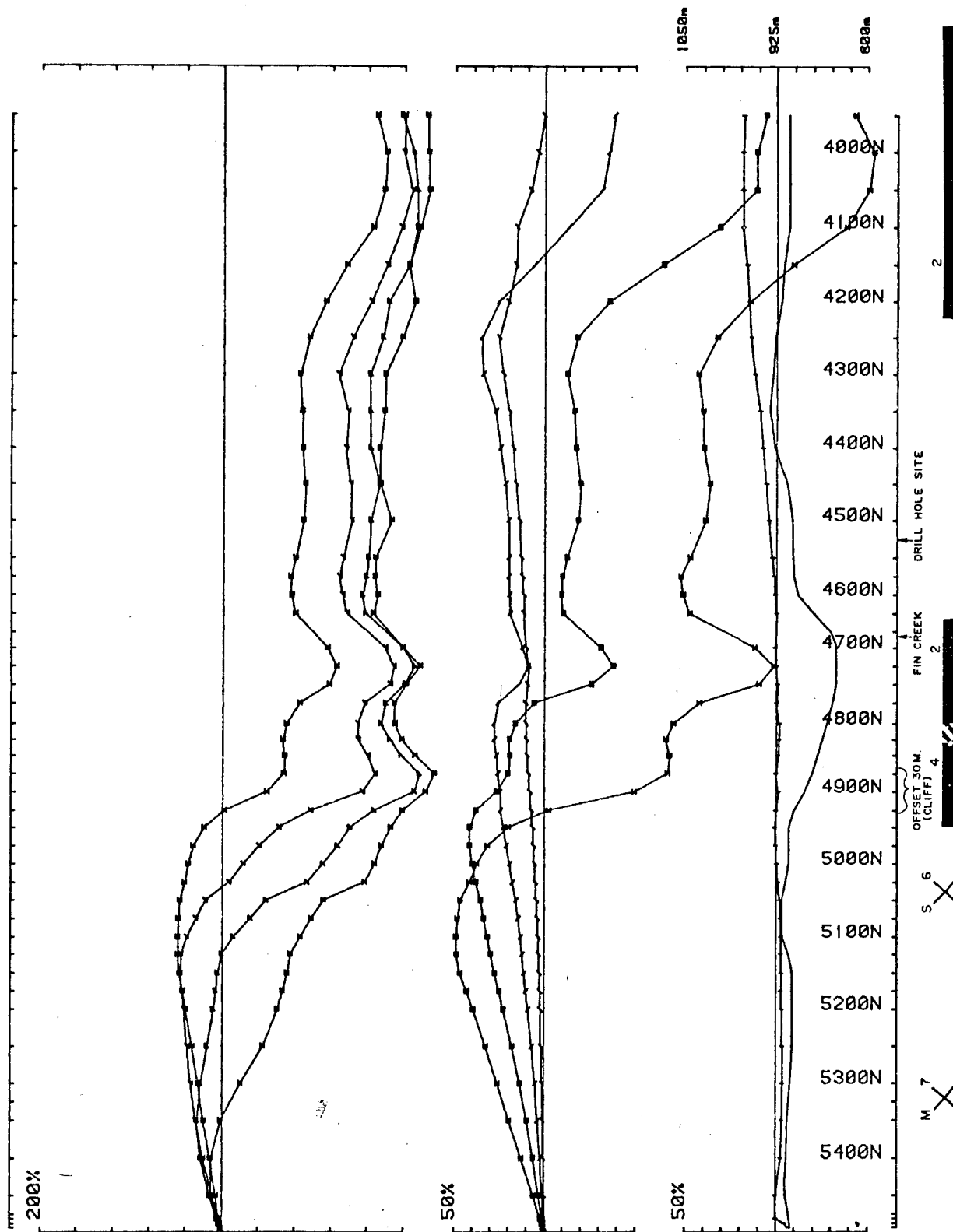
Area FIN 26-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0001 Line 4800E component Hz secondary Ch 1 normalized



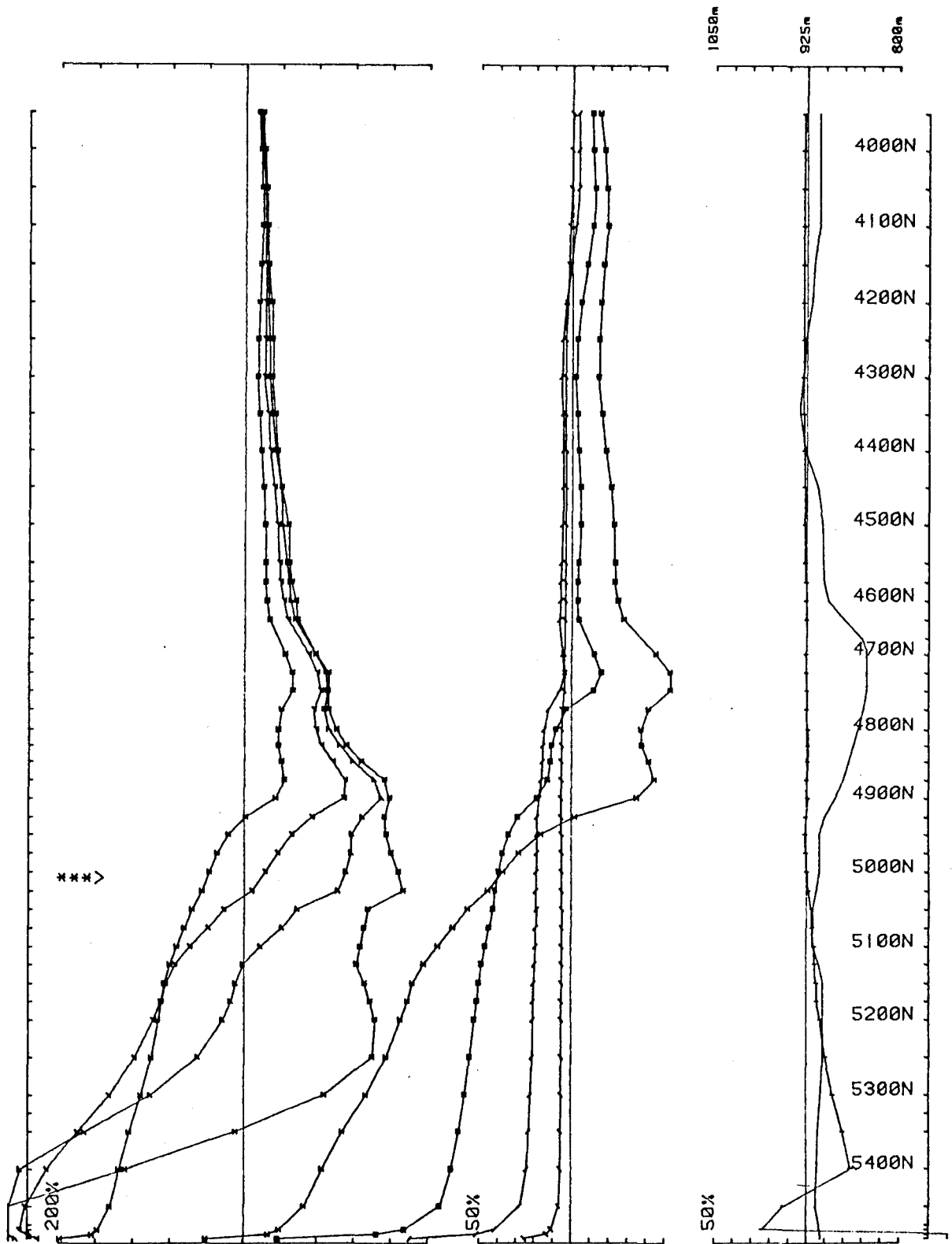
Area FIN 26-JULY-82 Cominco operator JJL&AOH freq(hz) 30.974
 Loopno 0001 Line 4800E component Hz secondary Ch 1 normalized



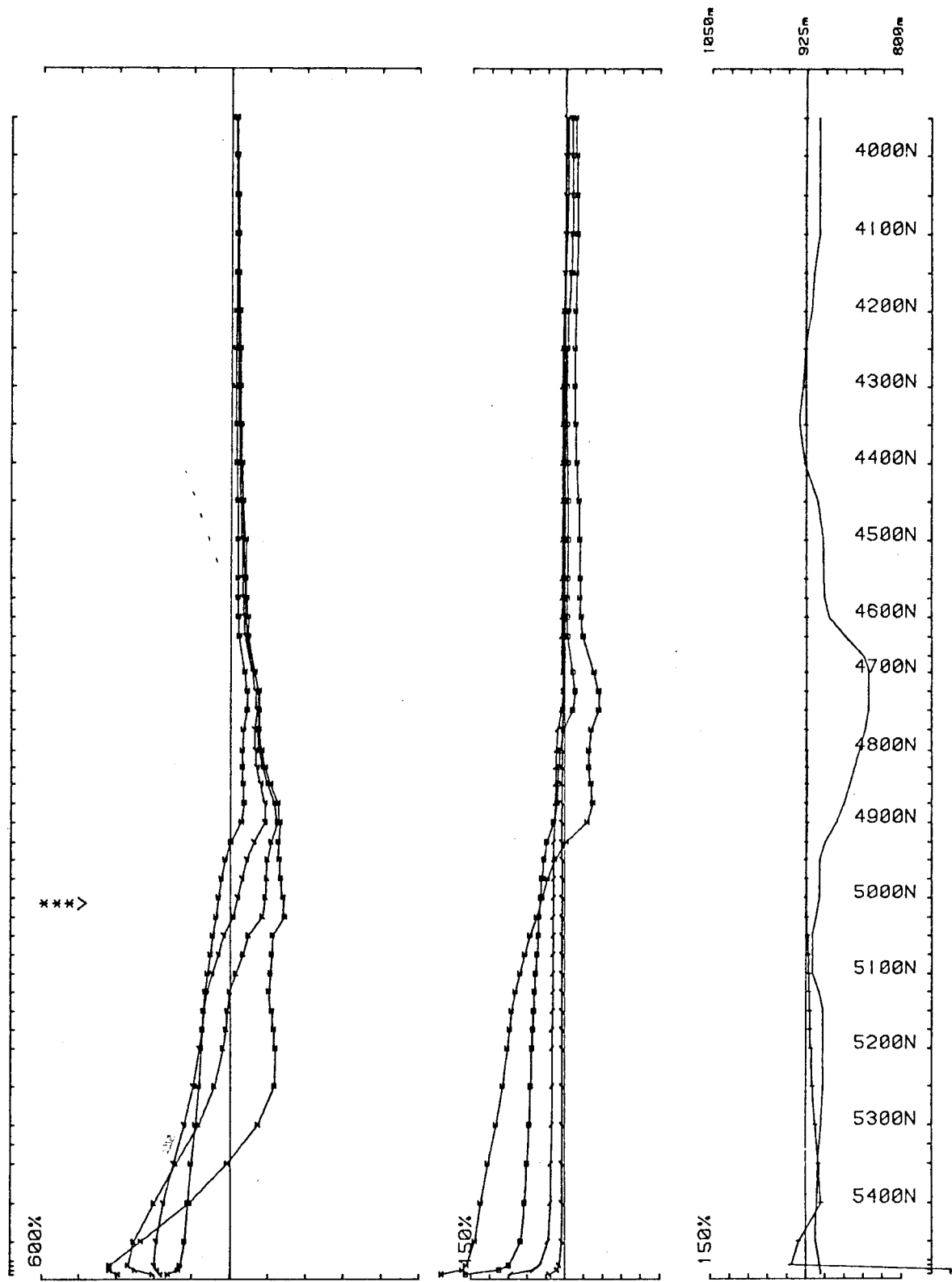
Area FIN 26-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0001 Line 4800E component Hz secondary Ch 1 normalized



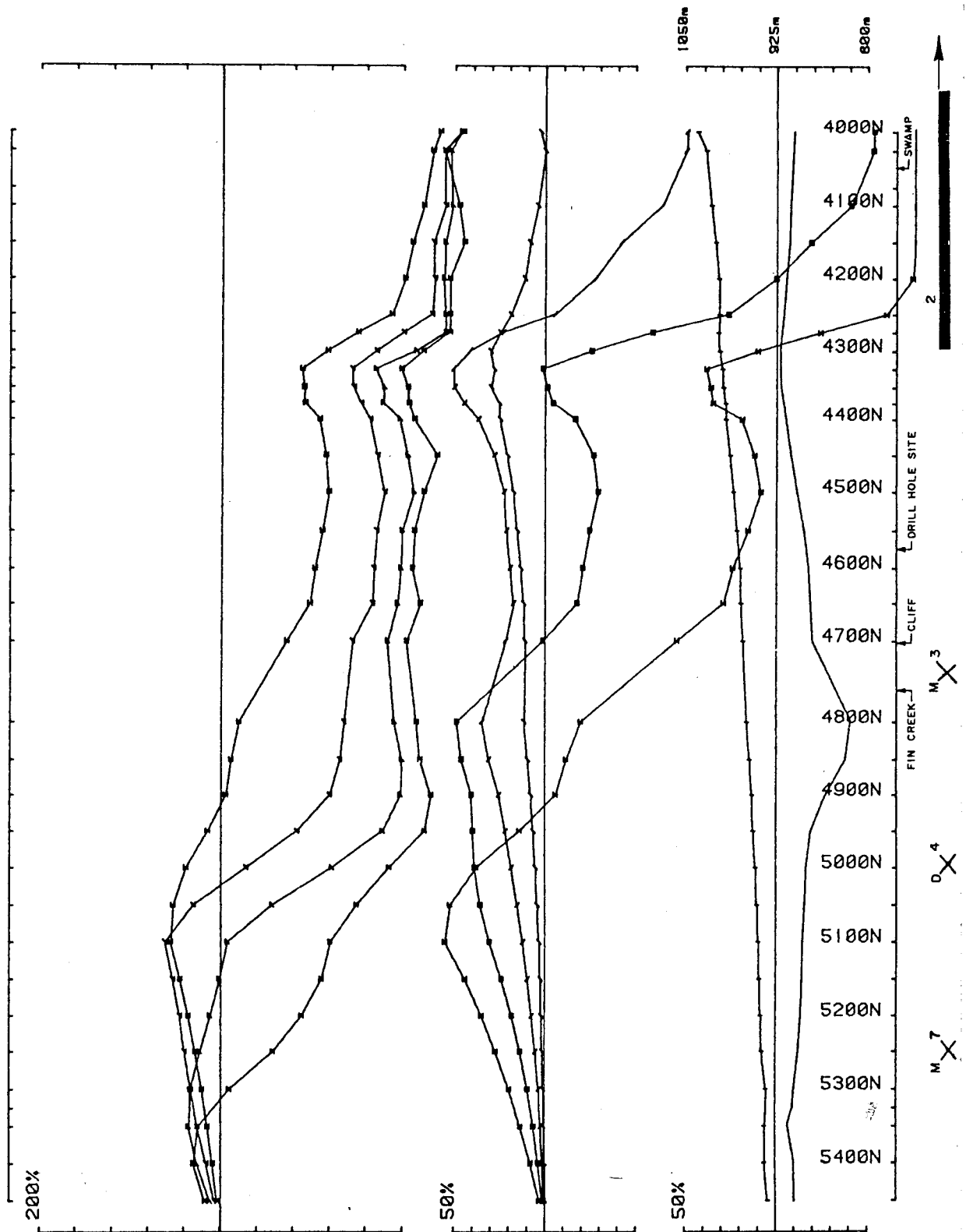
Area FIN 25-JULY-82 Cominco operator JLL&AOH freq(hz) 30.974
 Loopno 0001 Line 5000E component Hz secondary Ch 1 normalized



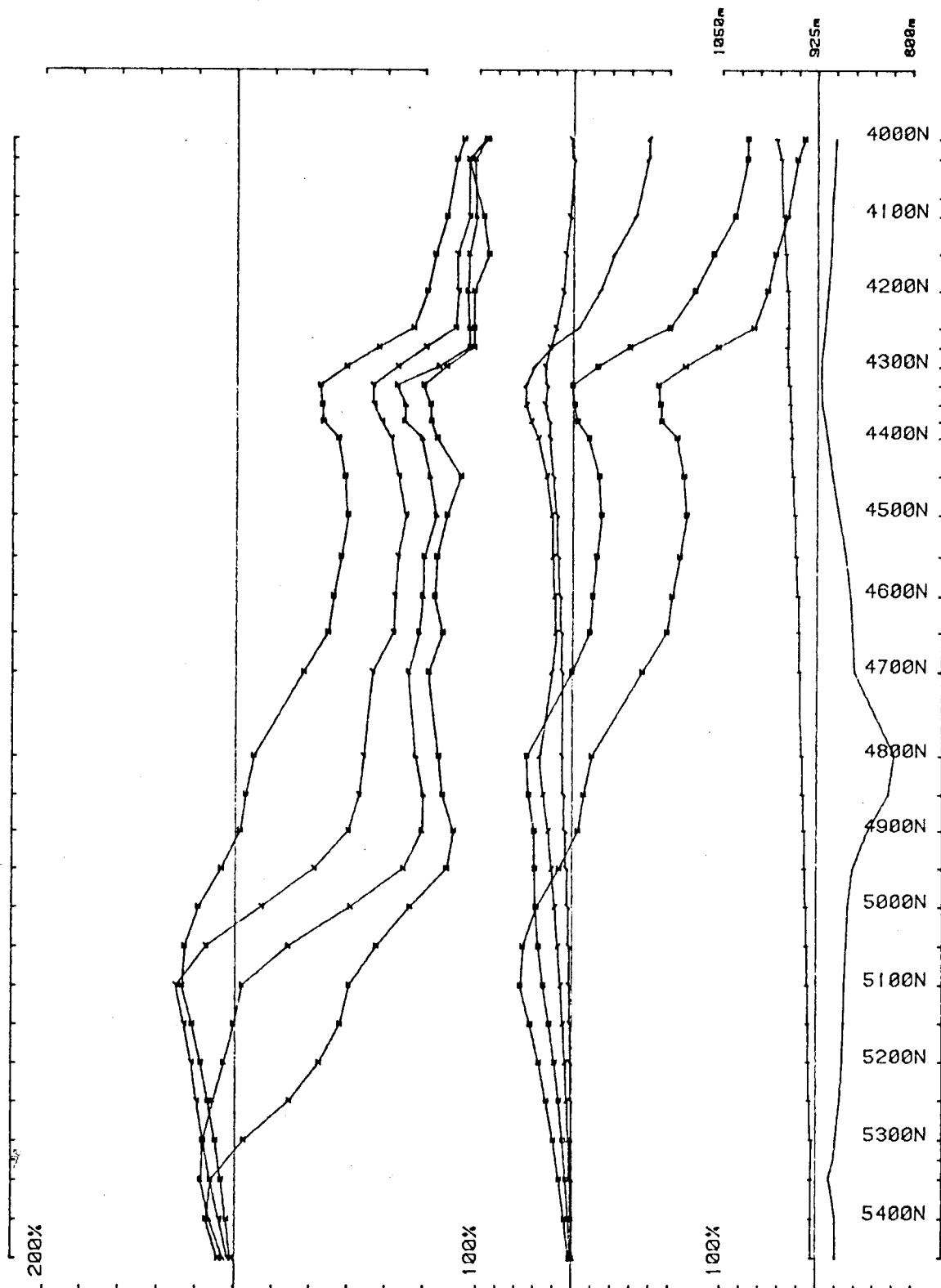
Area FIN 25-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0001 Line 5000E component Hz secondary Ch 1 normalized



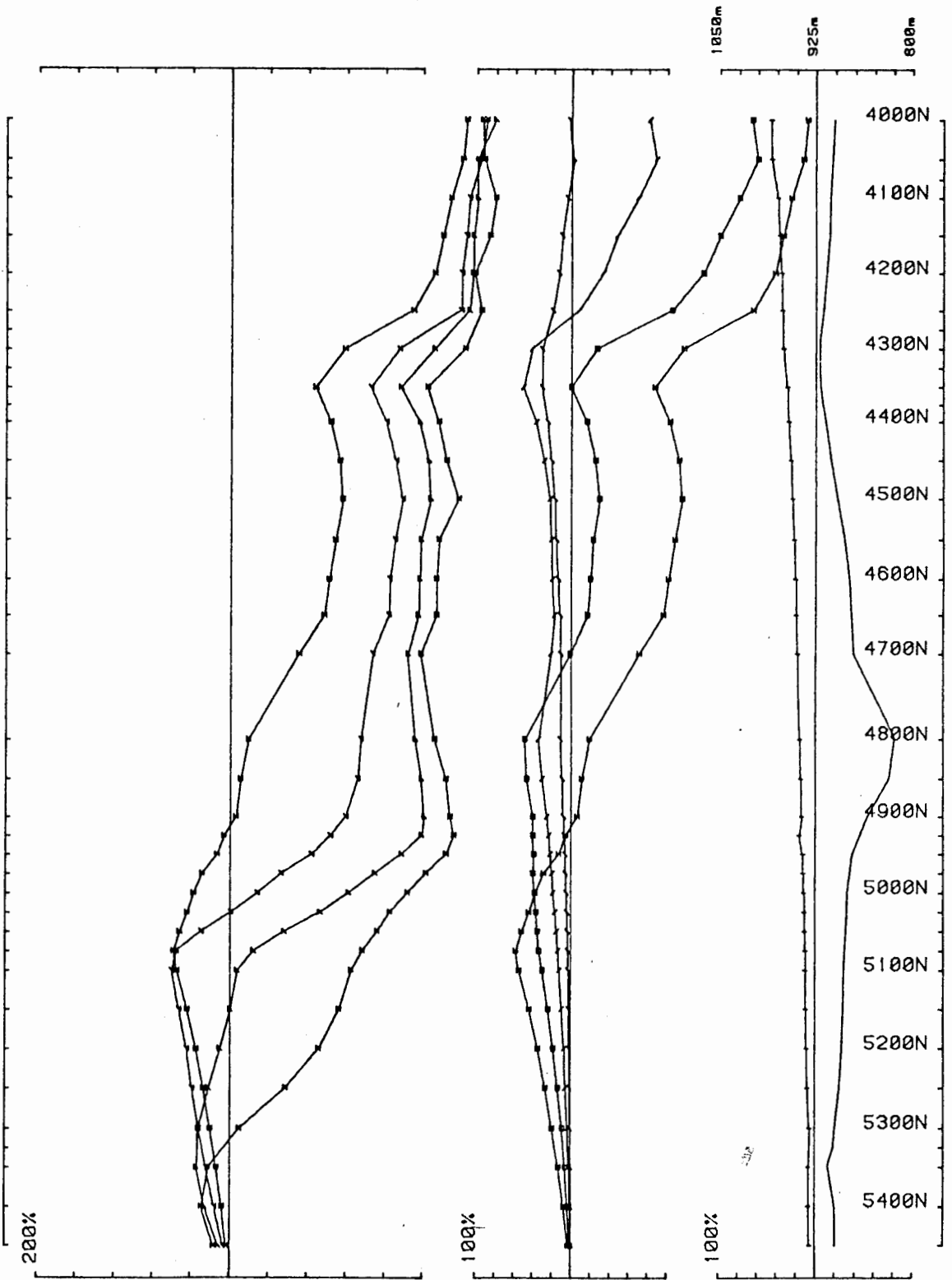
Area FIN 25-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0001 Line 5000E component Hz secondary Ch 1 normalized



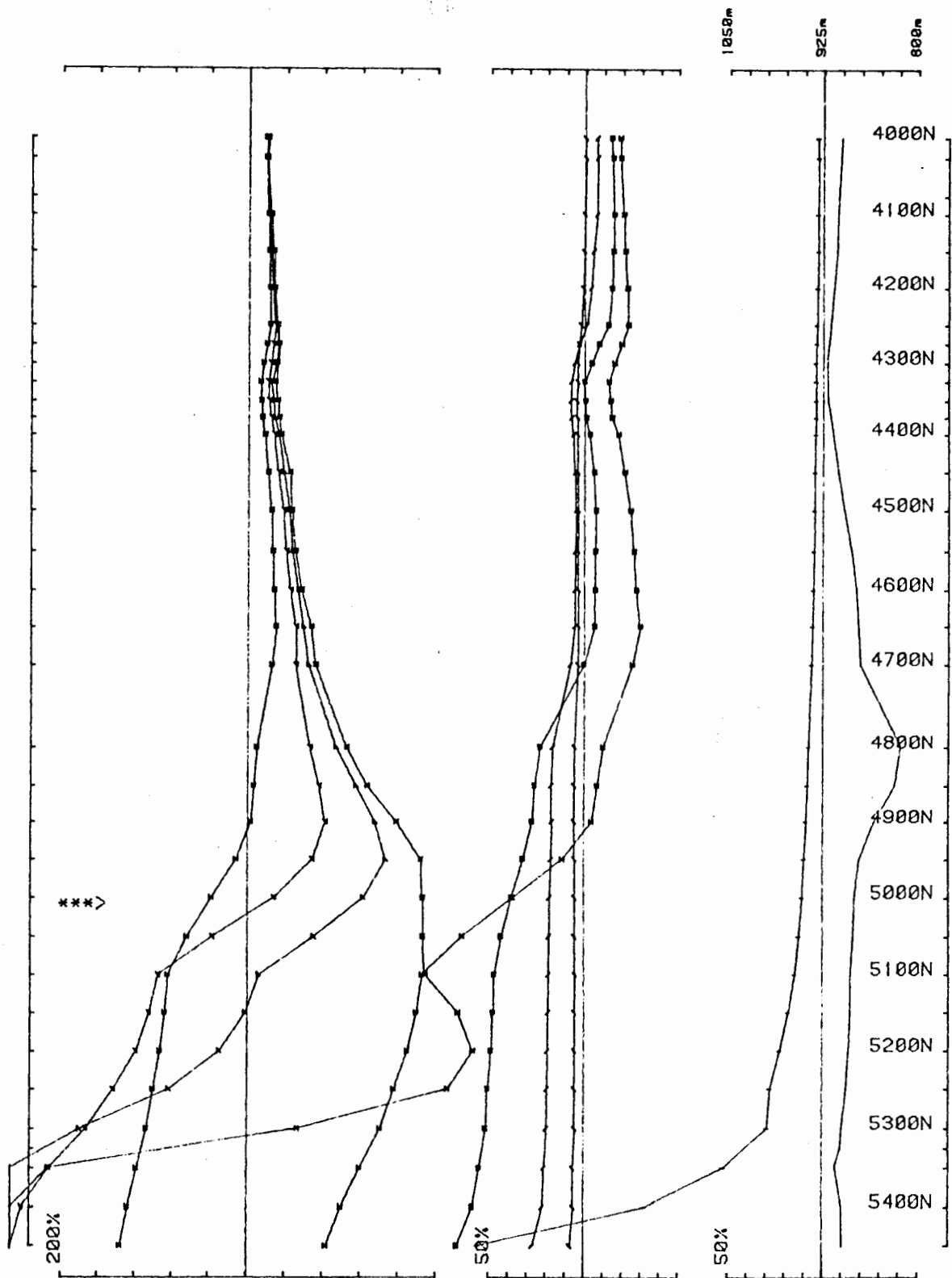
Area FIN 28-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5200E component Hz secondary Ch 1 normalized



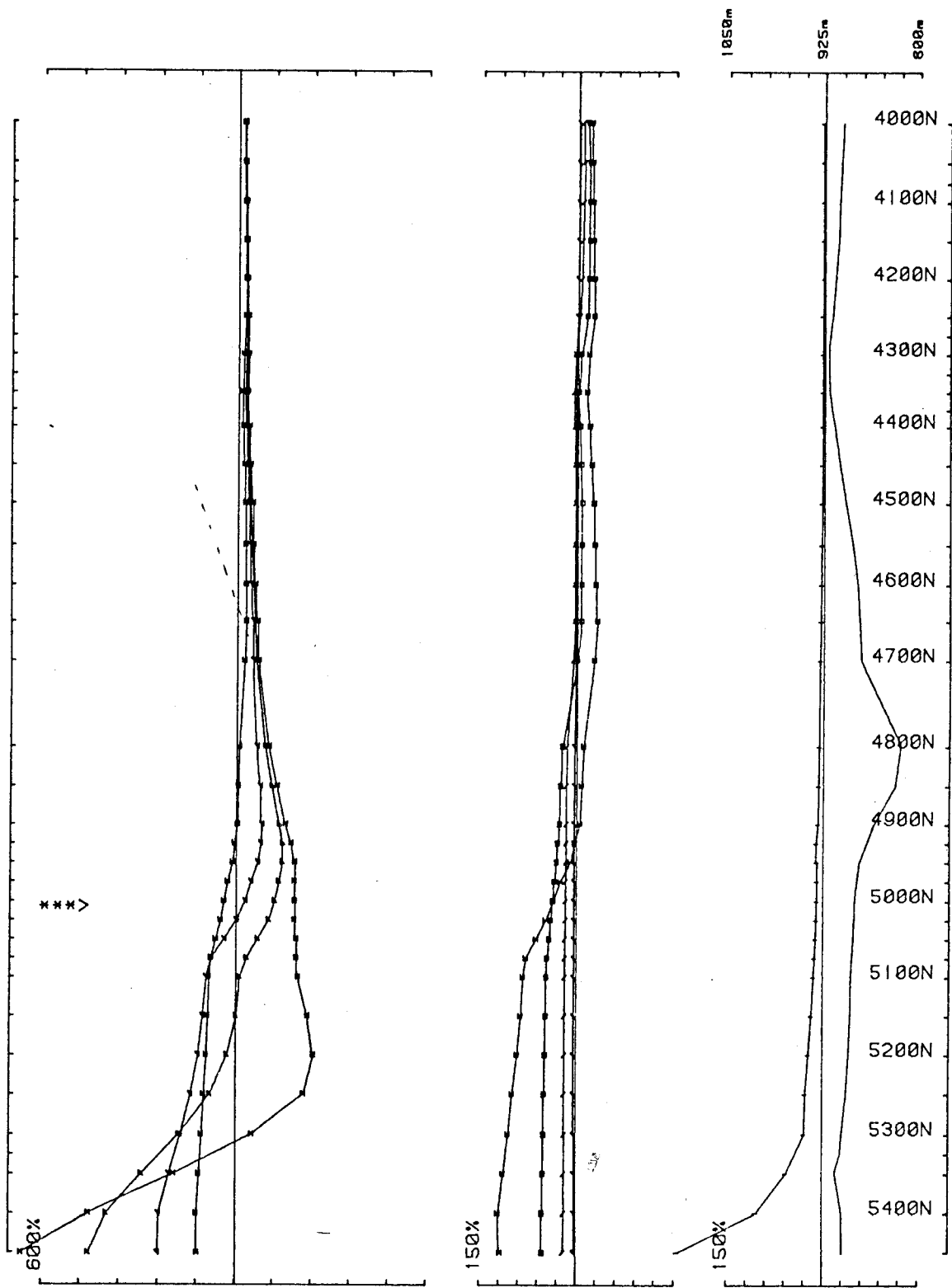
Area FIN 28-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5200E component Hz secondary Ch 1 normalized



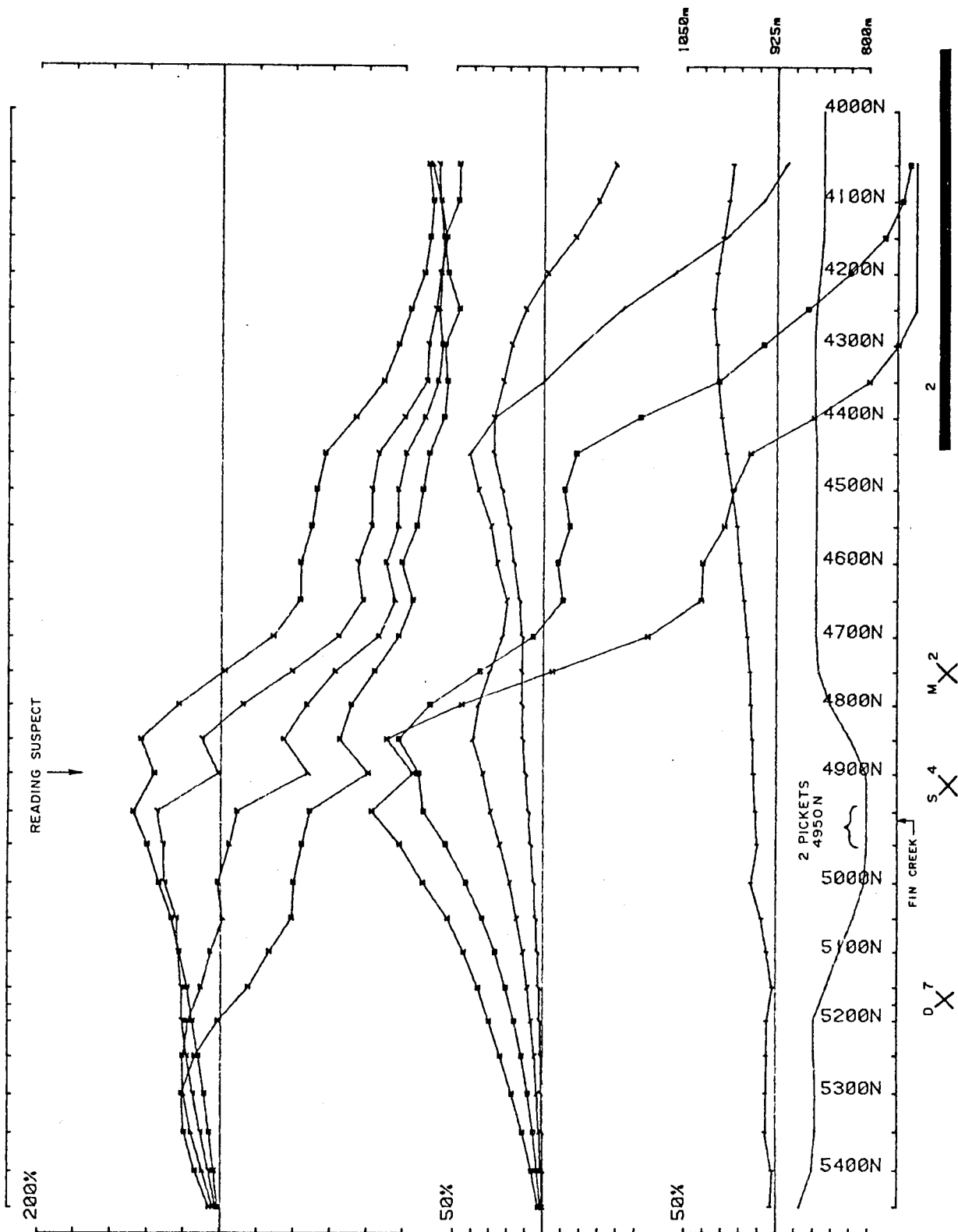
Area FIN 29-JULY-82 (RESURVEY) ComInco operator JUL&AOH freq(hz) 30.9
 Loopno 0002 Line 5200E component Hz secondary Ch 1 normalized



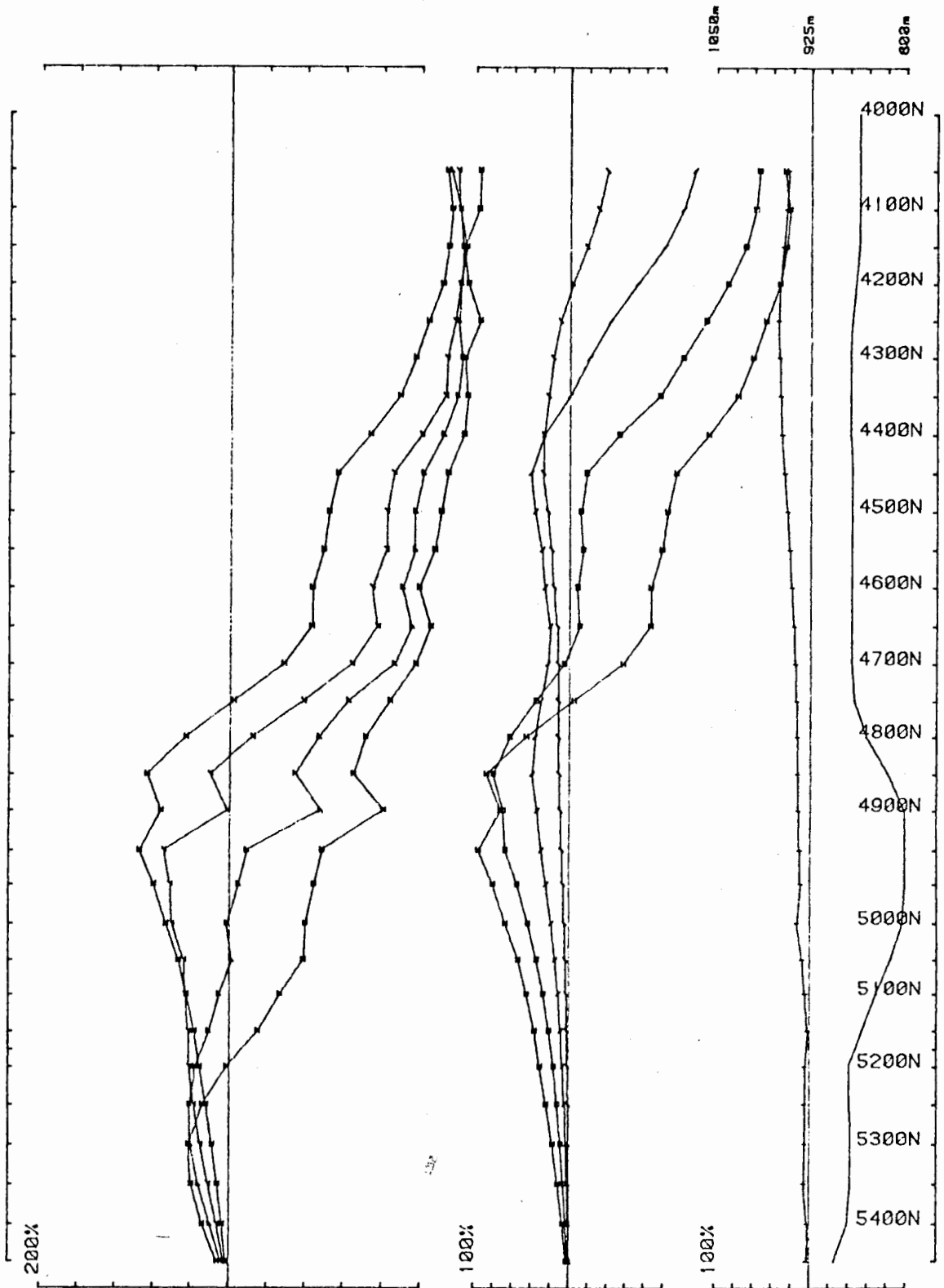
Area FIN 28-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5200E component Hz secondary Ch 1 normalized



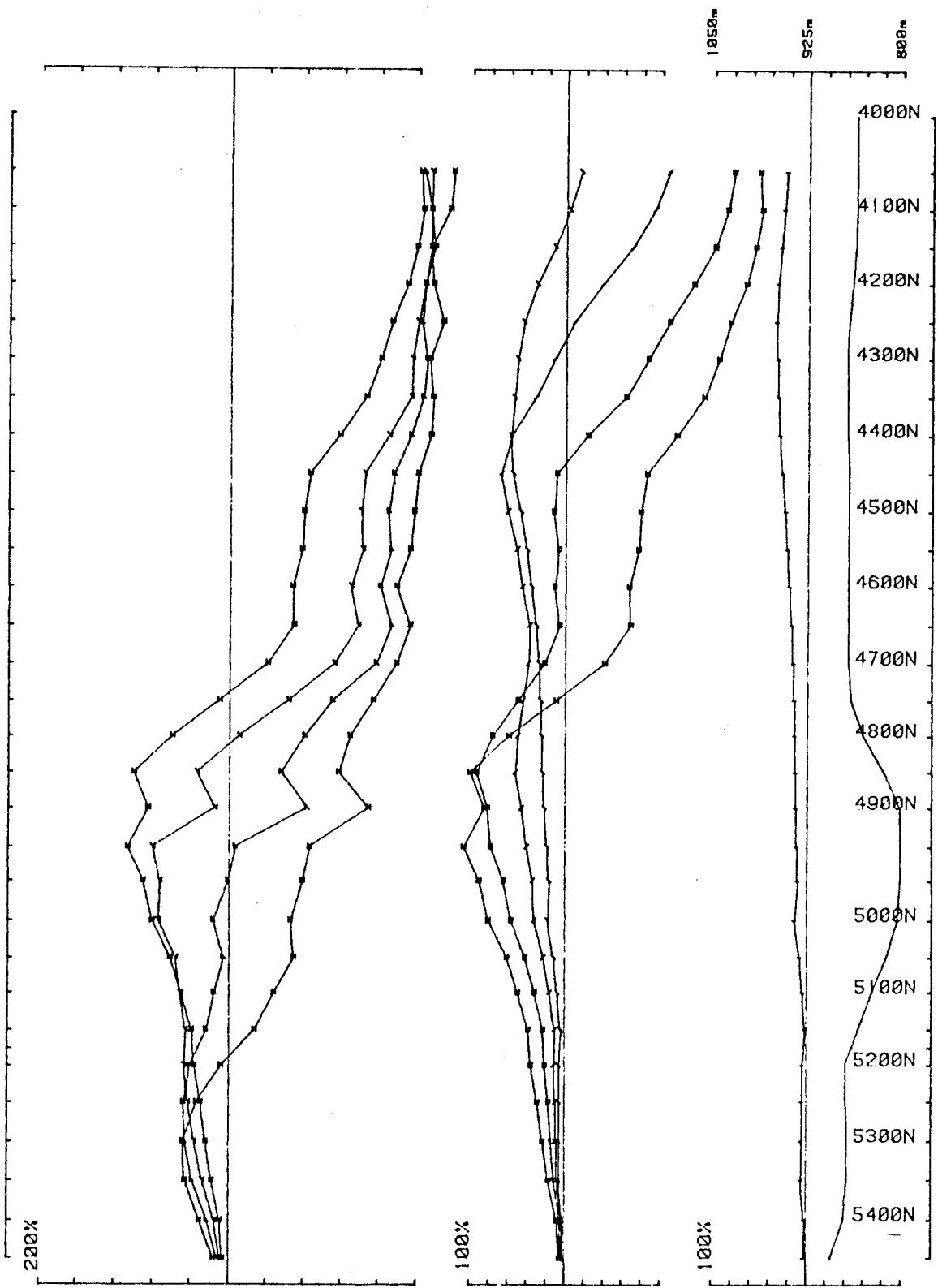
Area FIN 29-JULY-82 (RESURVEY) ComInco operator JJL&AOH freq(hz) 30.9
 Loopno 0002 Line 5200E component Hz secondary Ch 1 normalized



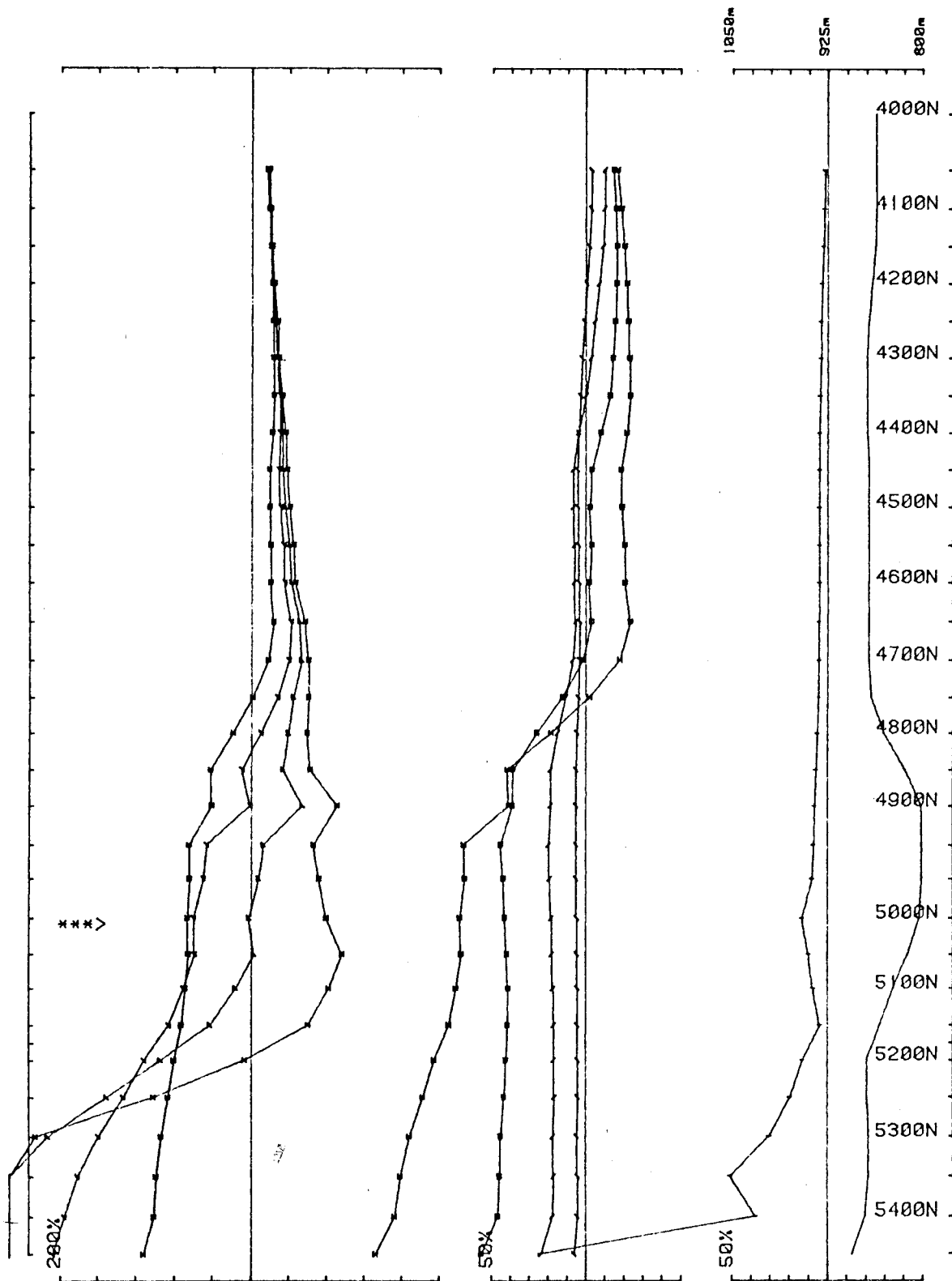
Area FIN 29-JULY-82 Cominco operator JUL&ADH freq(hz) 30.974
 Loopno 0002 Line 5400E component Hz secondary Ch 1 normalized



Area FIN 29-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5400E component Hz secondary Ch 1 normalized

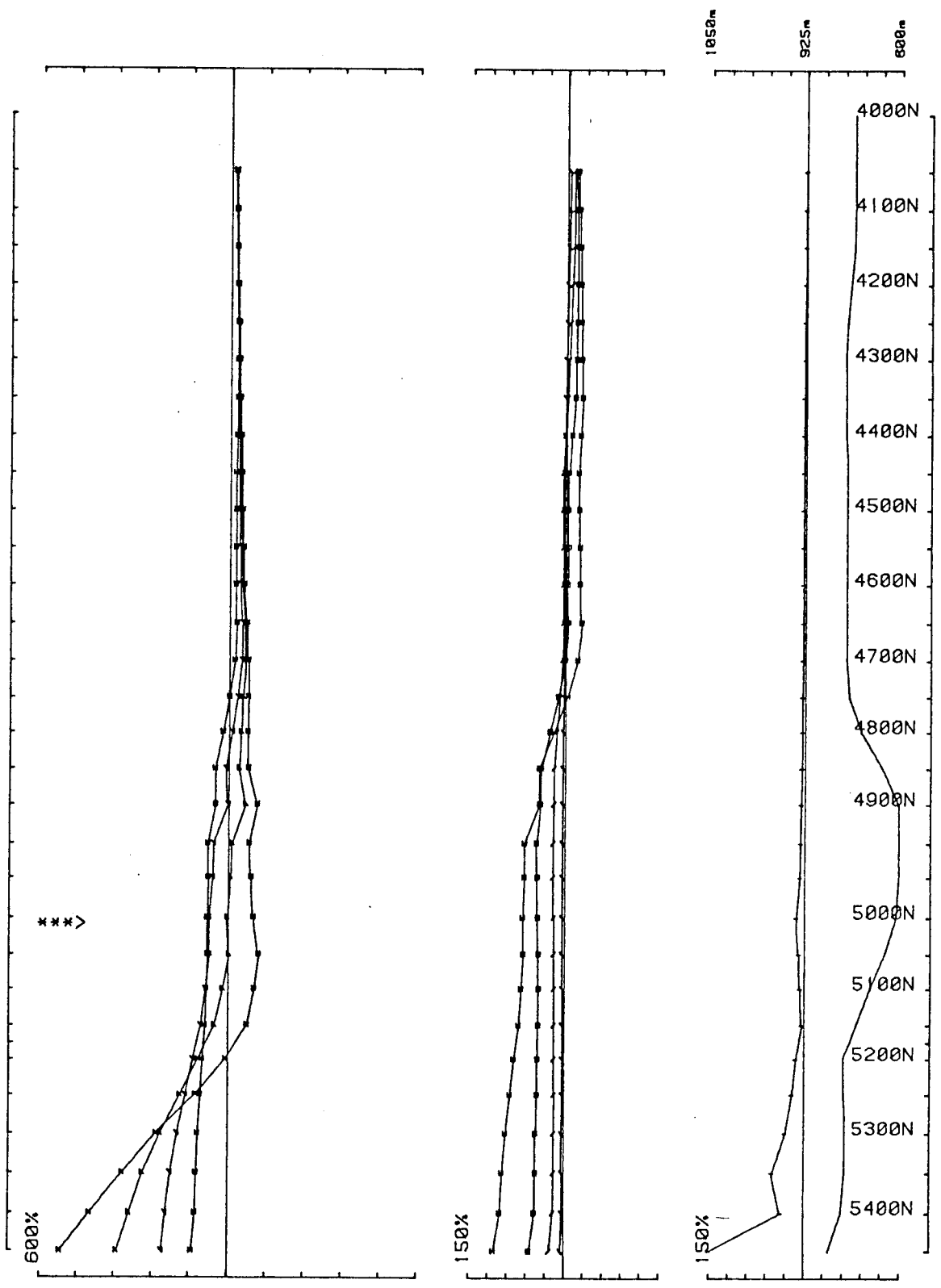


Area FIN 29-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5400E component Hz secondary primary field normalized

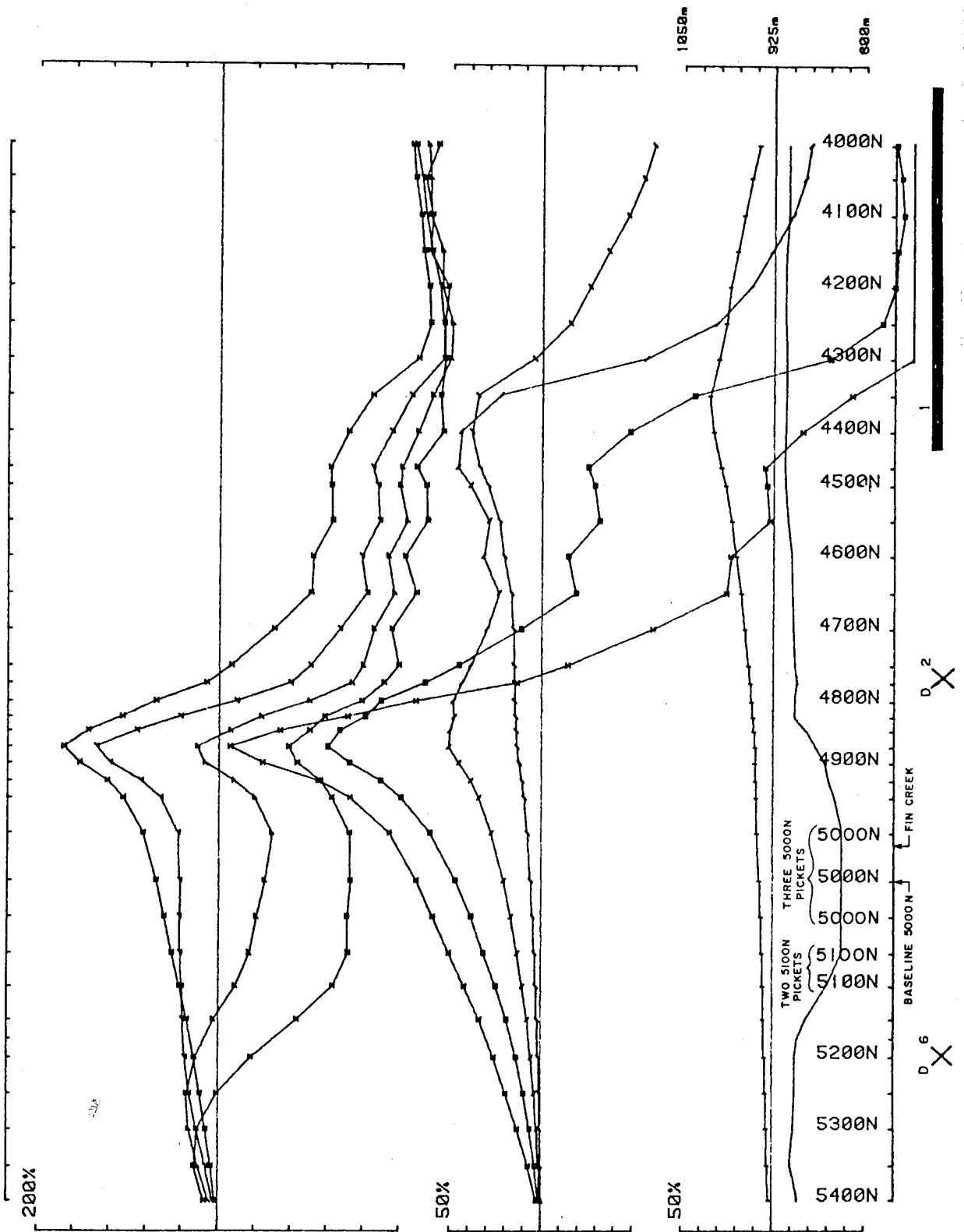


Area FIN 29-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5400E component Hz secondary Ch 1 normalized

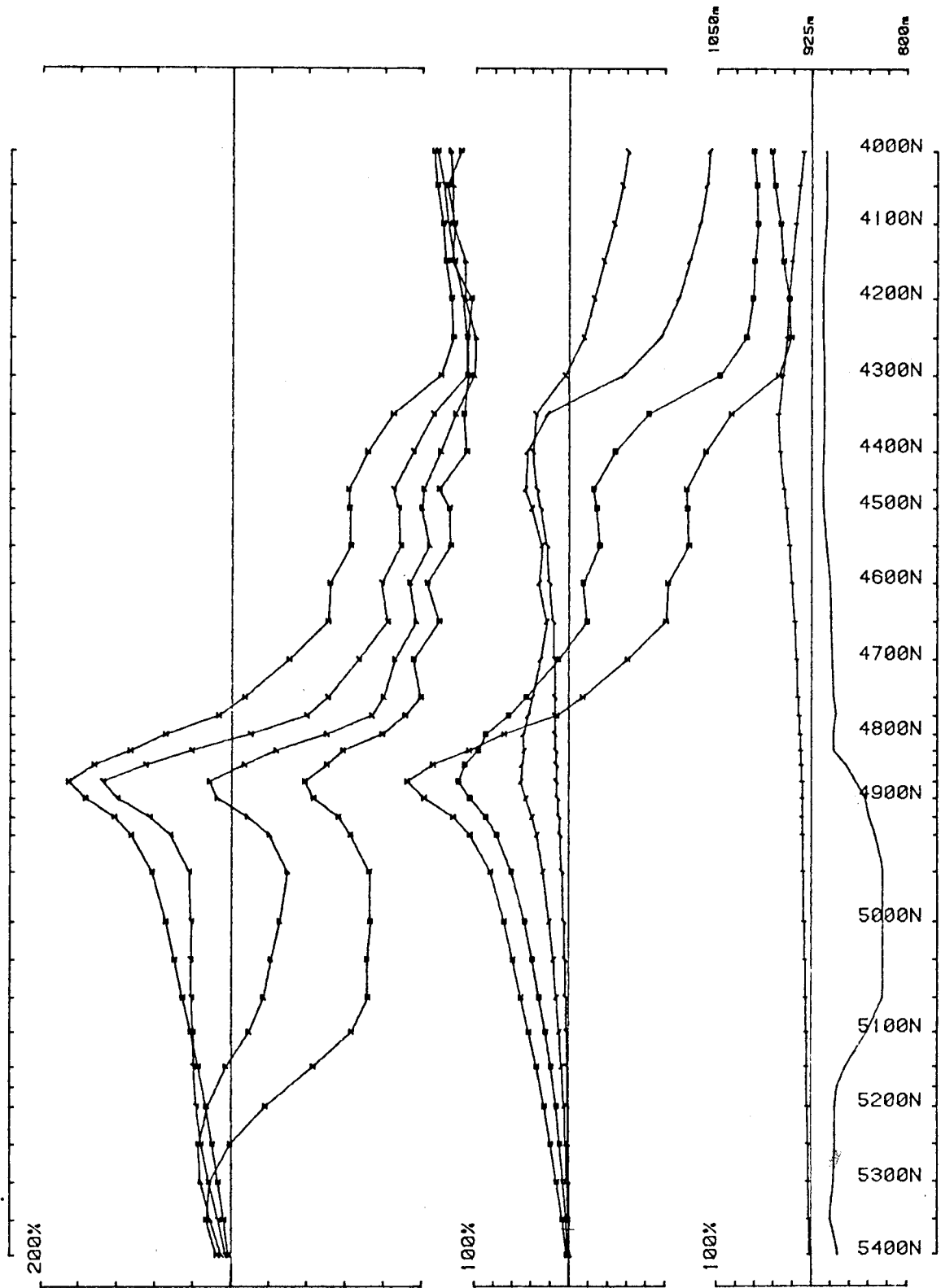
4



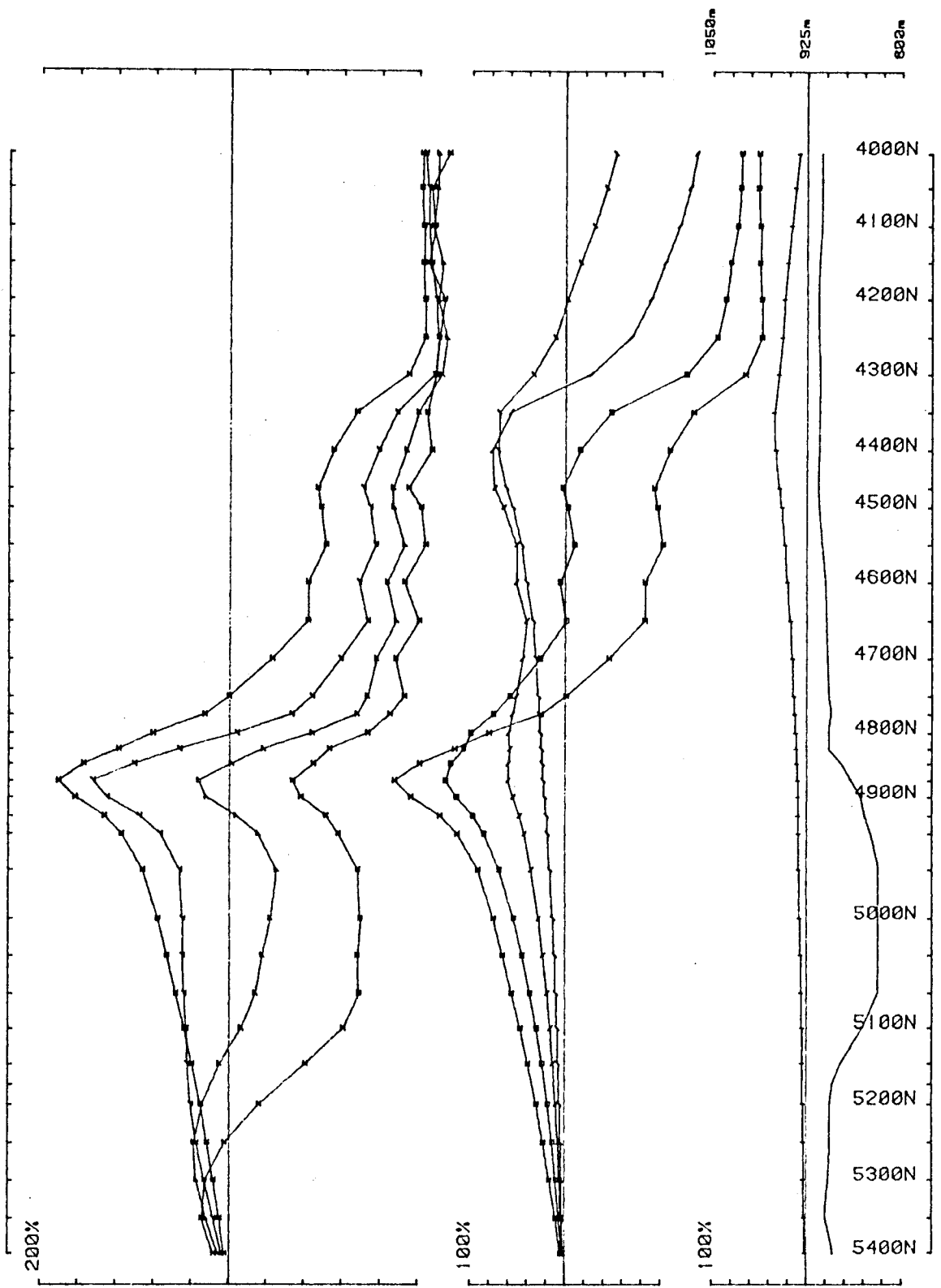
Area FIN 29-JULY-82 Cominco operator JYL&AOH freq(hz) 30.974
 Loopno 0002 Line 5400E component Hz secondary Ch 1 normalized



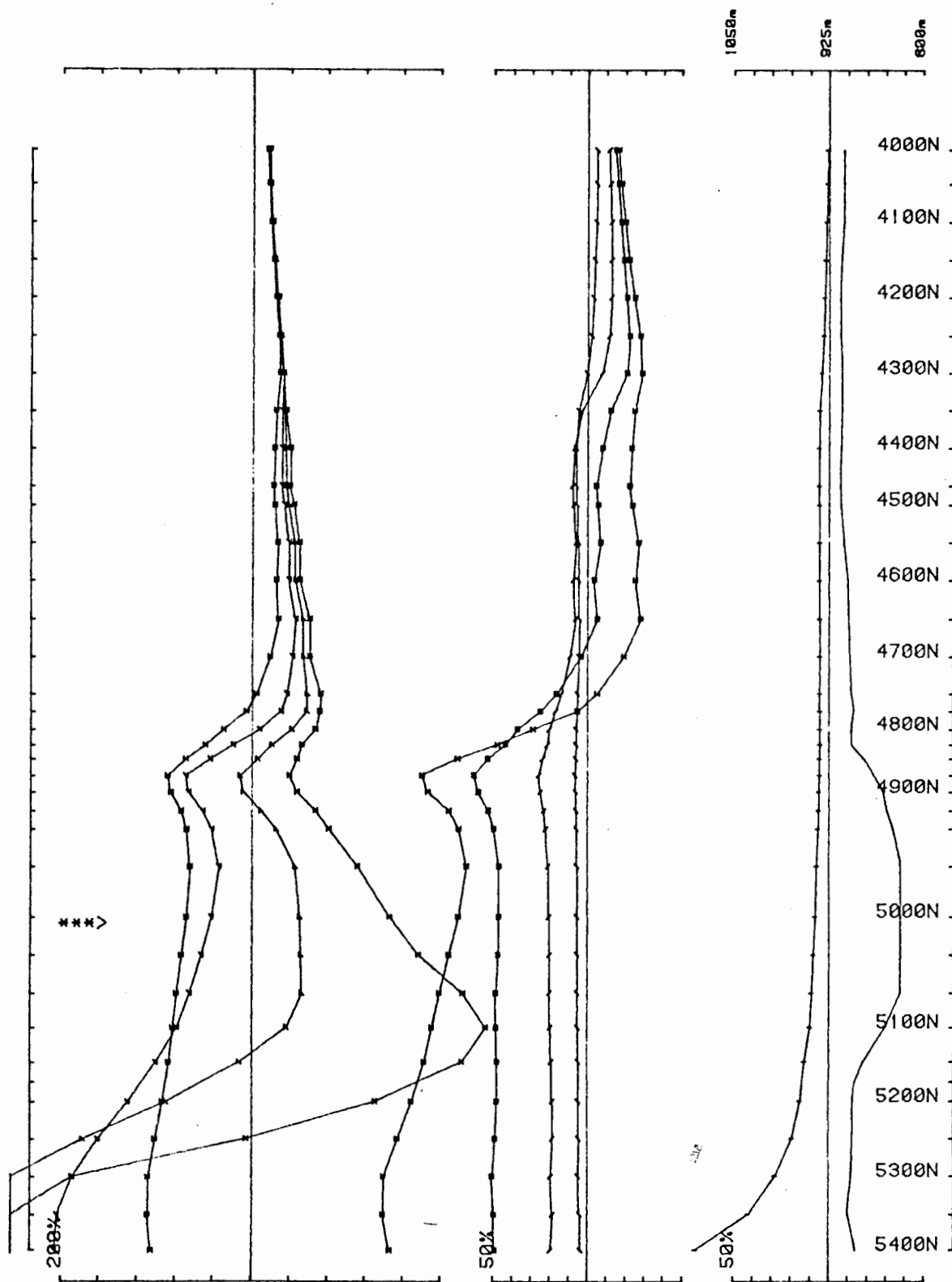
Area FIN 30-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5600E component Hz secondary Ch 1 normalized



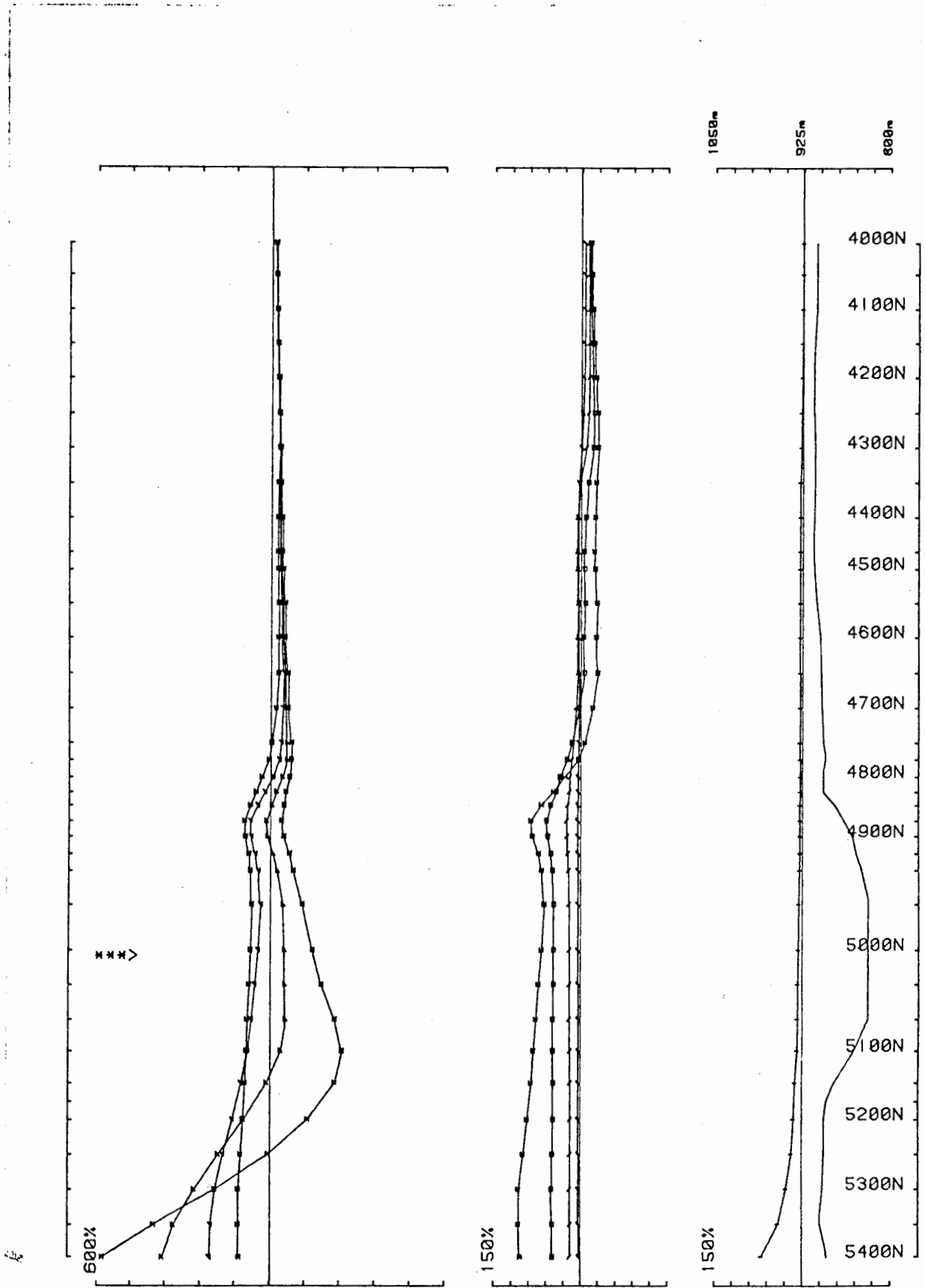
Area FIN 30-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5600E component Hz secondary Ch 1 normalized



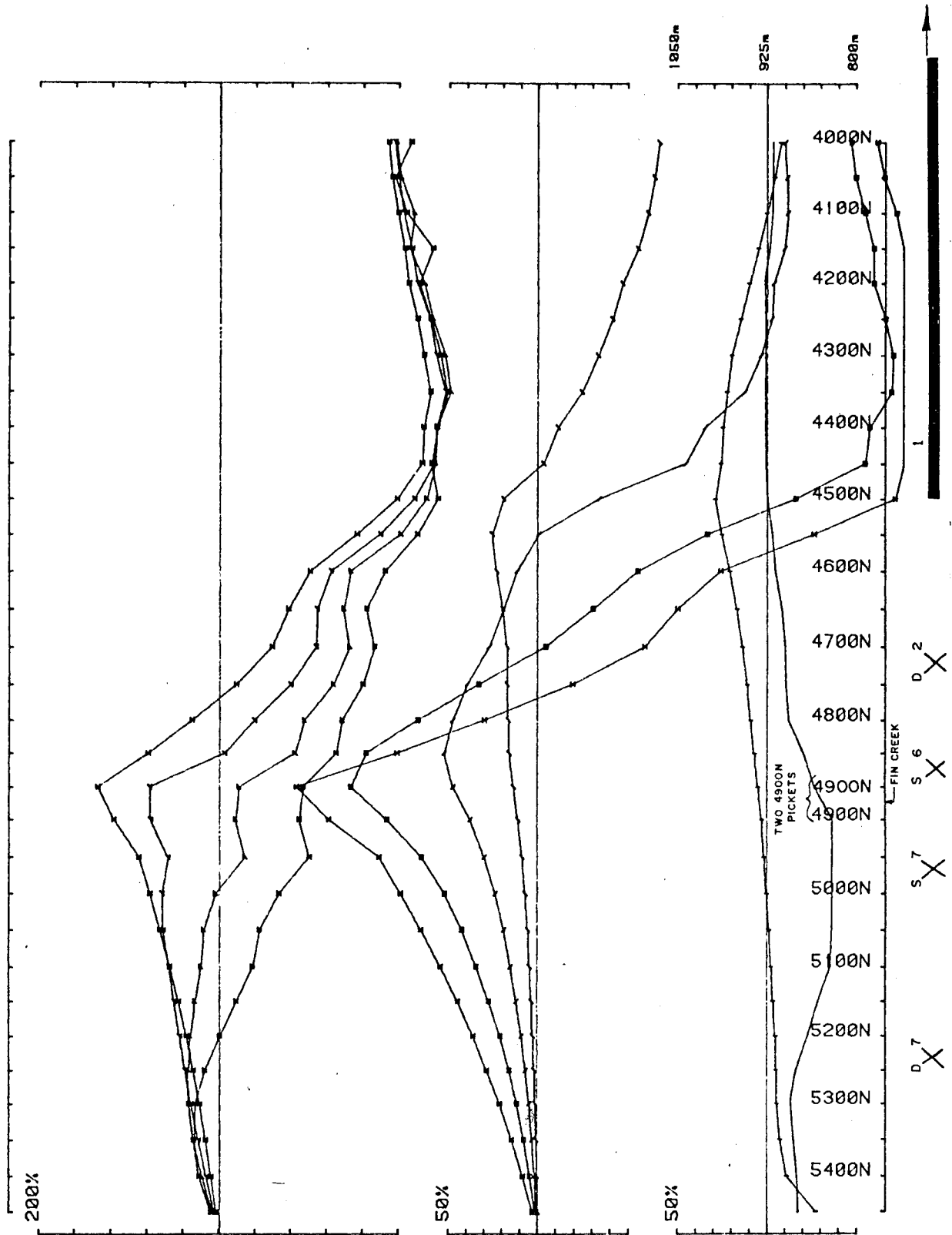
Area FIN 30-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5600E component Hz secondary primary field normalized



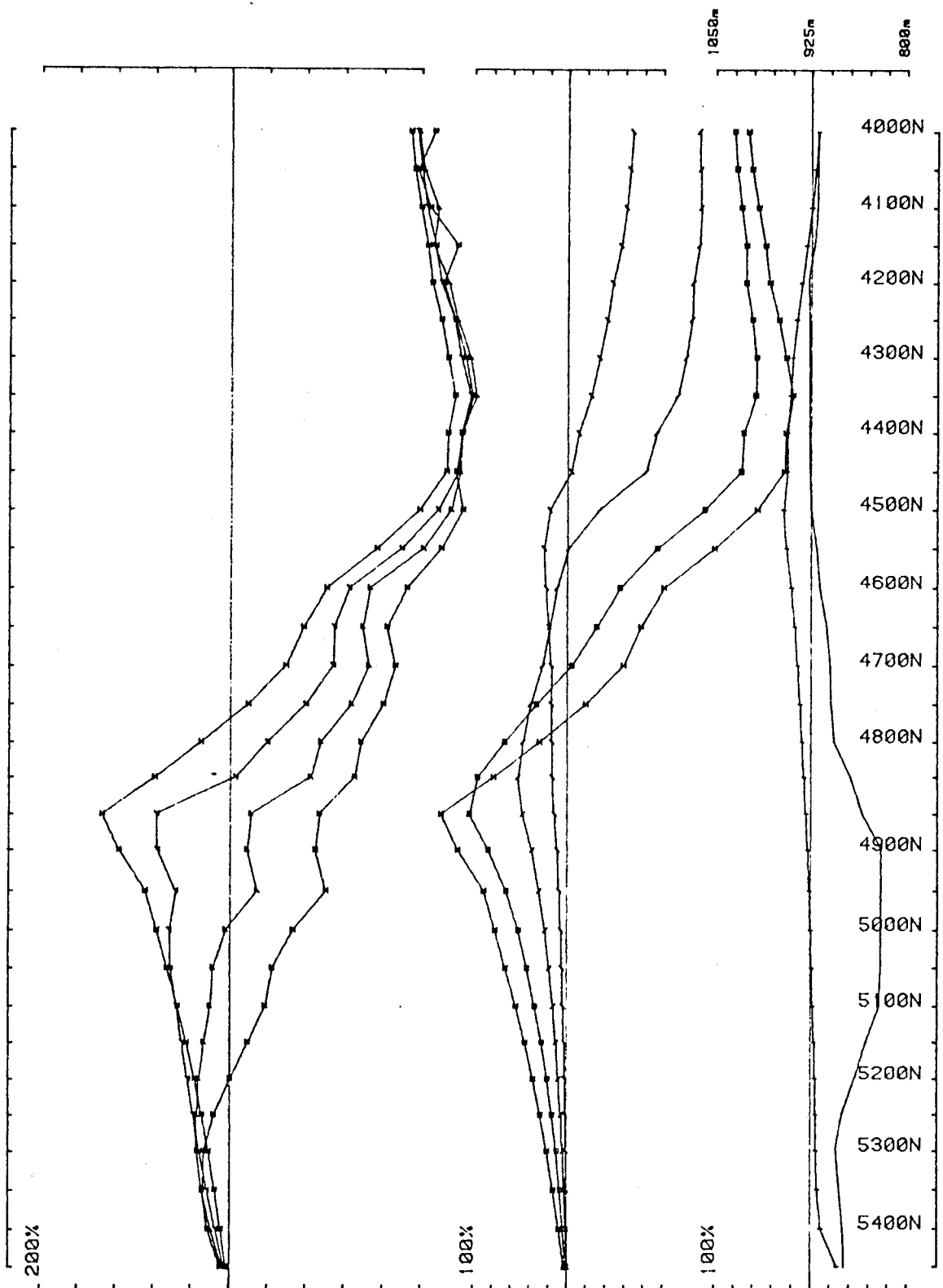
Area FIN 30-JULY-82 Cominco operator JYL&AOH freq(hz) 30.974
 Loopno 0002 Line 5600E component Hz secondary Ch 1 normalized



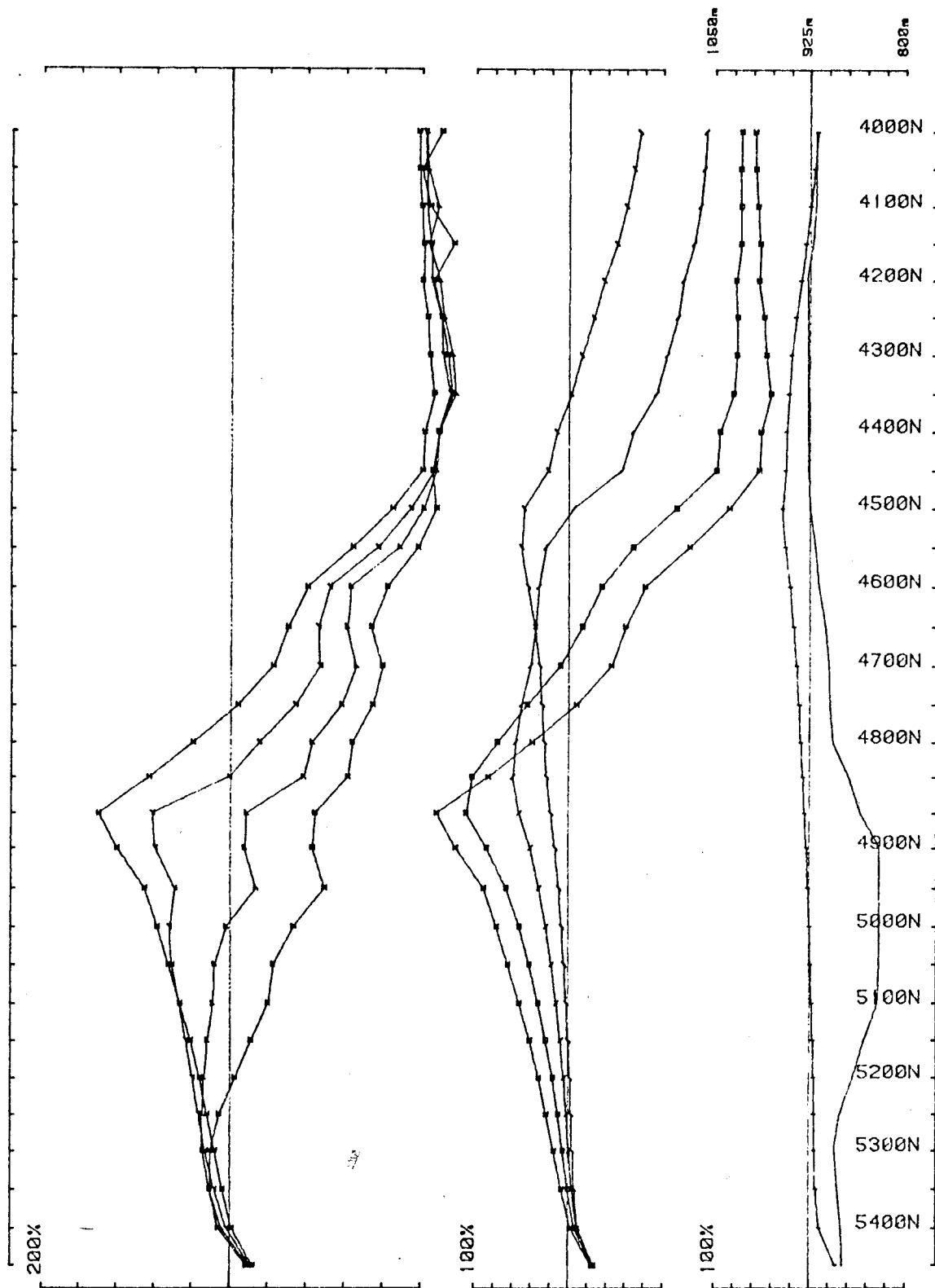
Area FIN 30-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5600E component Hz secondary Ch 1 normalized



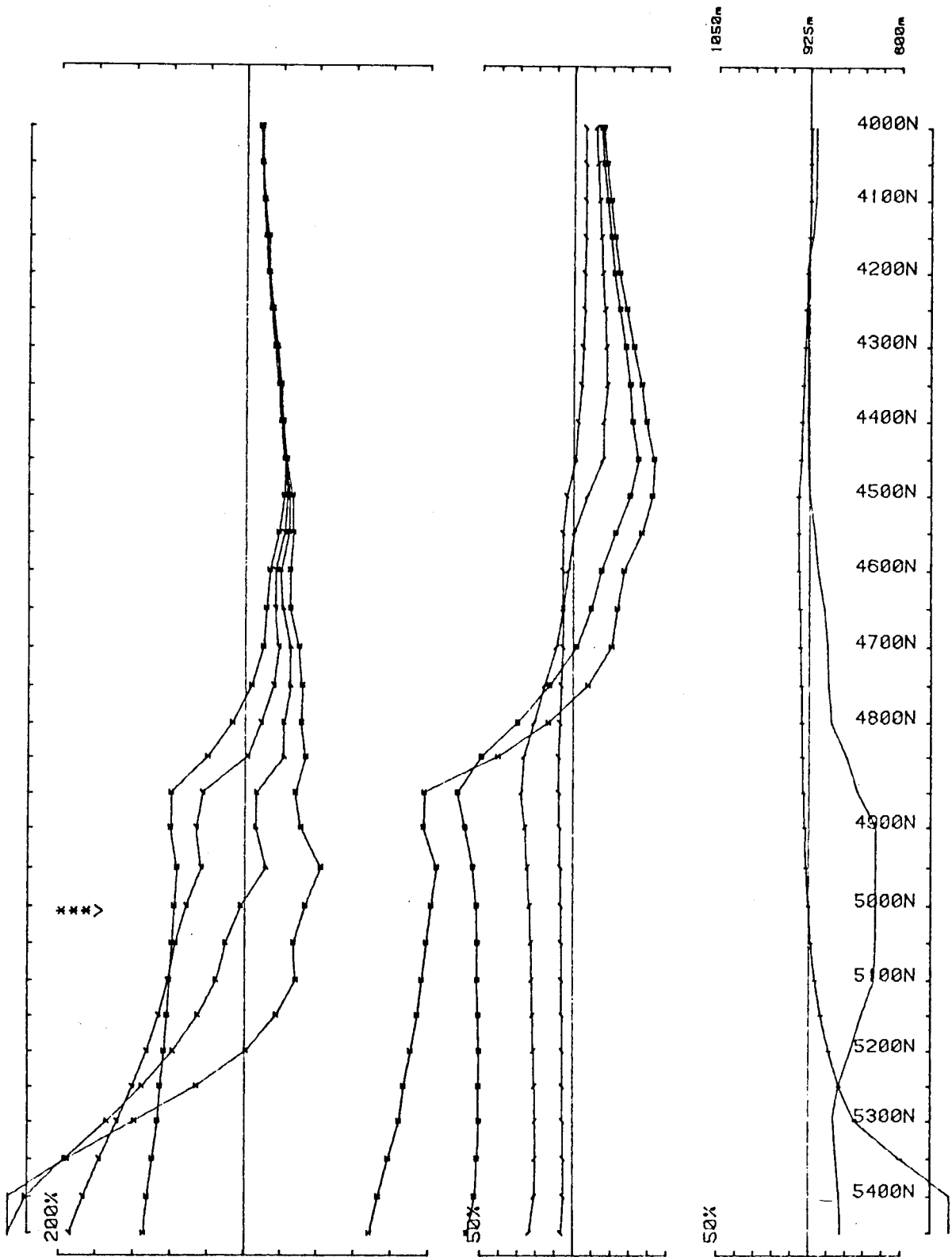
Area FIN 30-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5800E component Hz secondary Ch 1 normalized



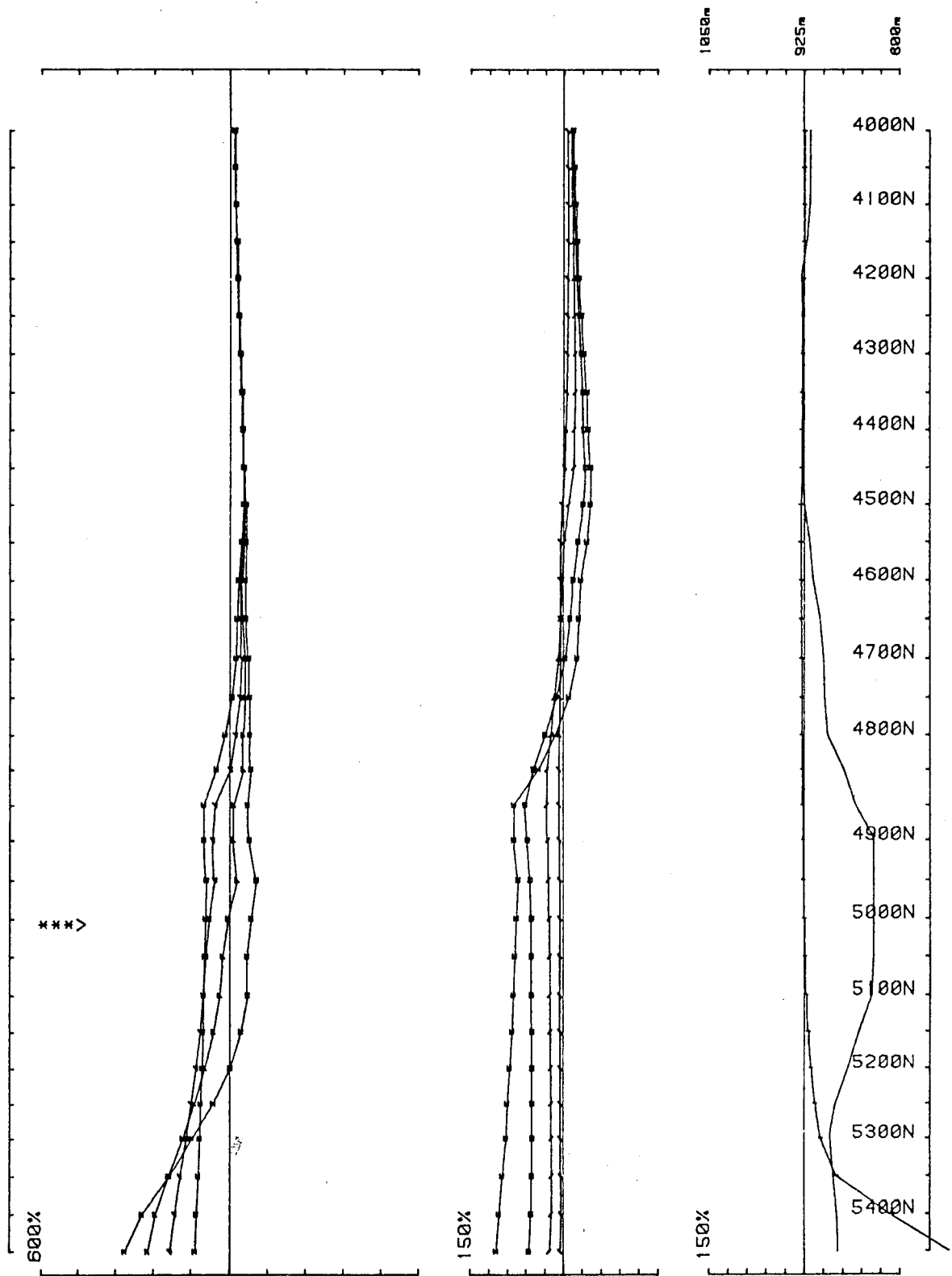
Area FIN 30-JULY-82 Cominco operator JYL&AOH freq(hz) 30.974
 Loopno 0002 Line 5800E component Hz secondary Ch 1 normalized



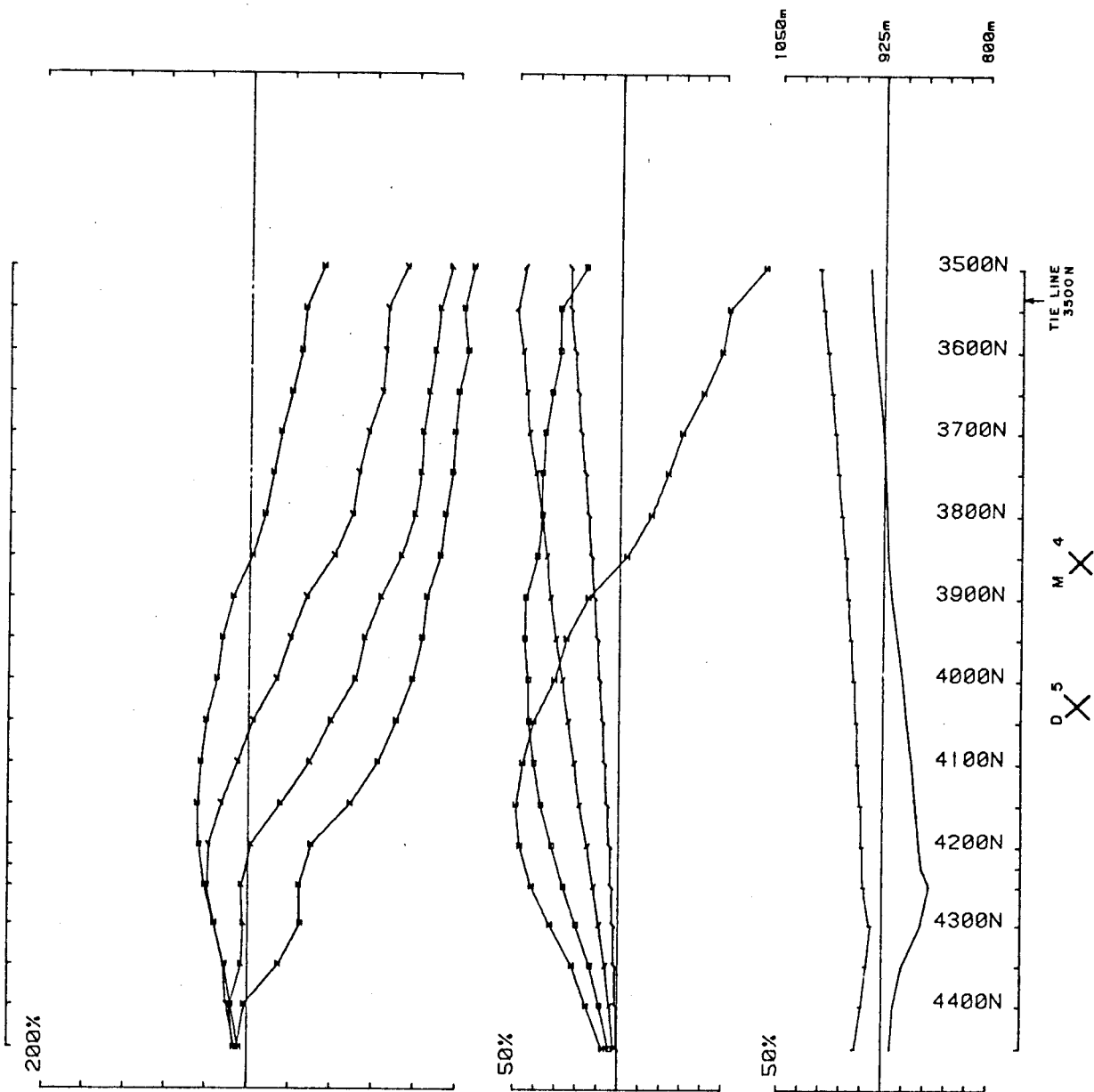
Area FIN 30-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5800E component Hz secondary primary field normalized



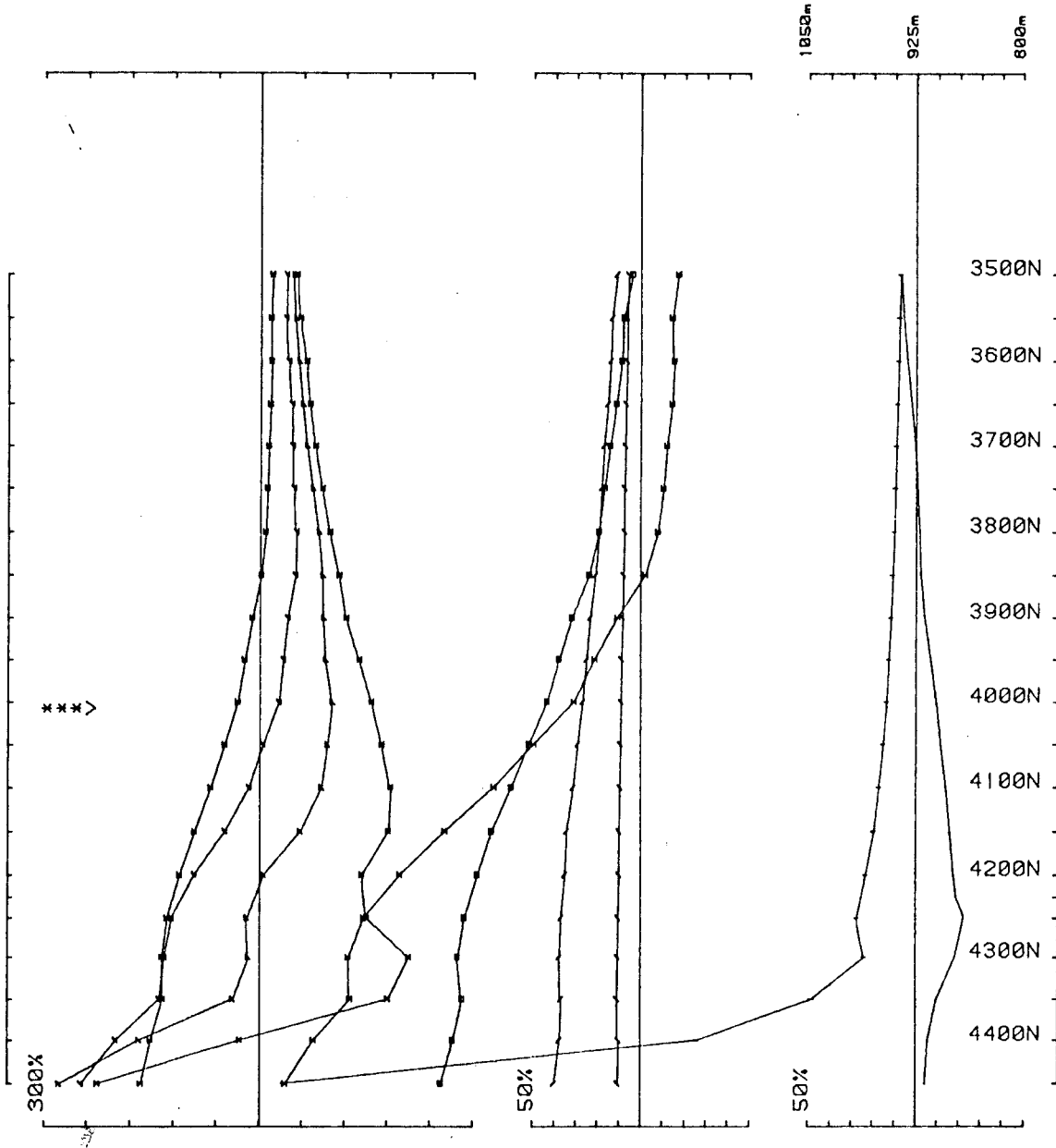
Area FIN 30-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5800E component Hz secondary Ch 1 normalized



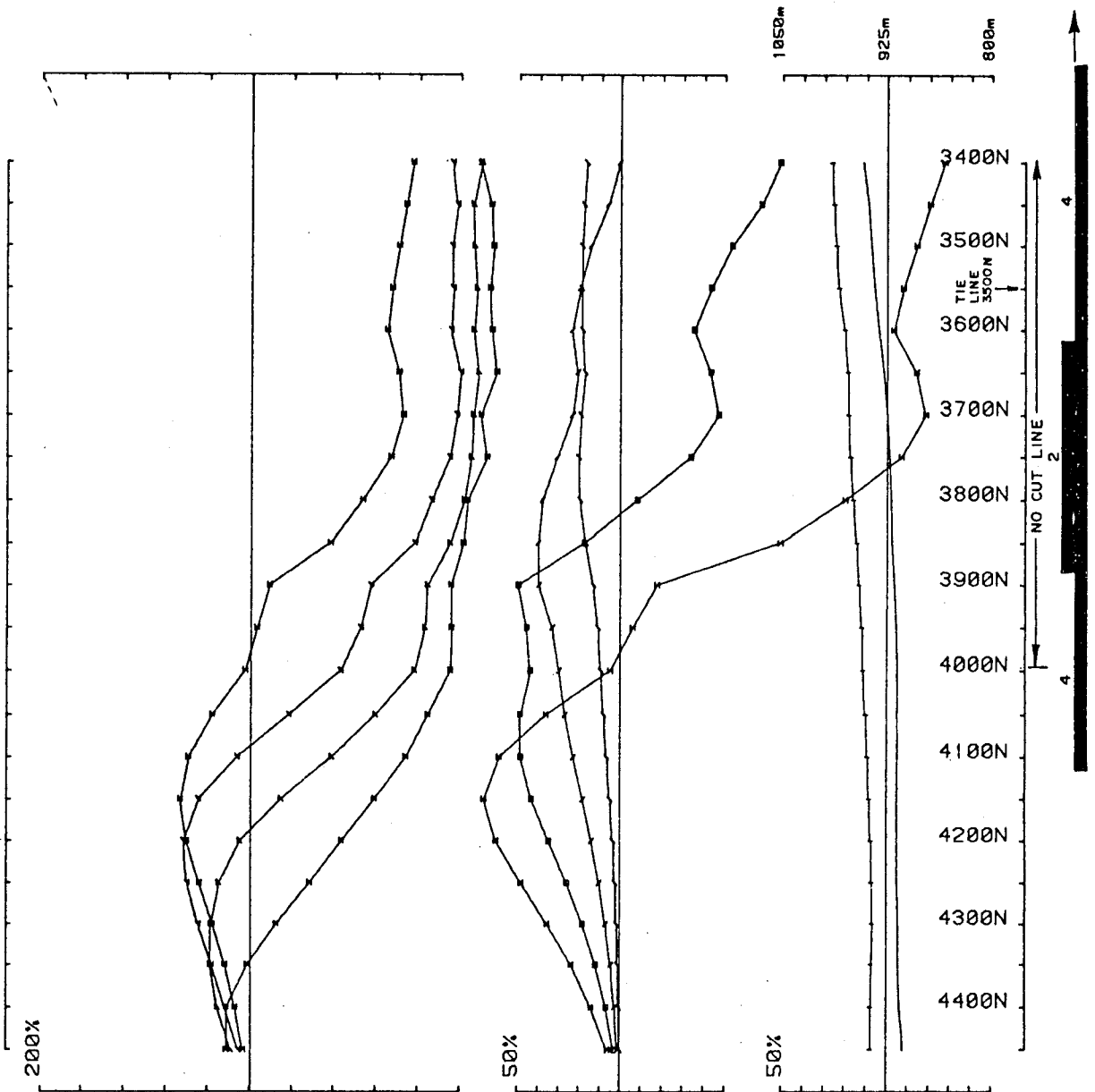
Area FIN 30-JULY-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0002 Line 5800E component Hz secondary Ch 1 normalized



Area FIN 2-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0003 Line 4200E component Hz secondary Ch 1 normalized

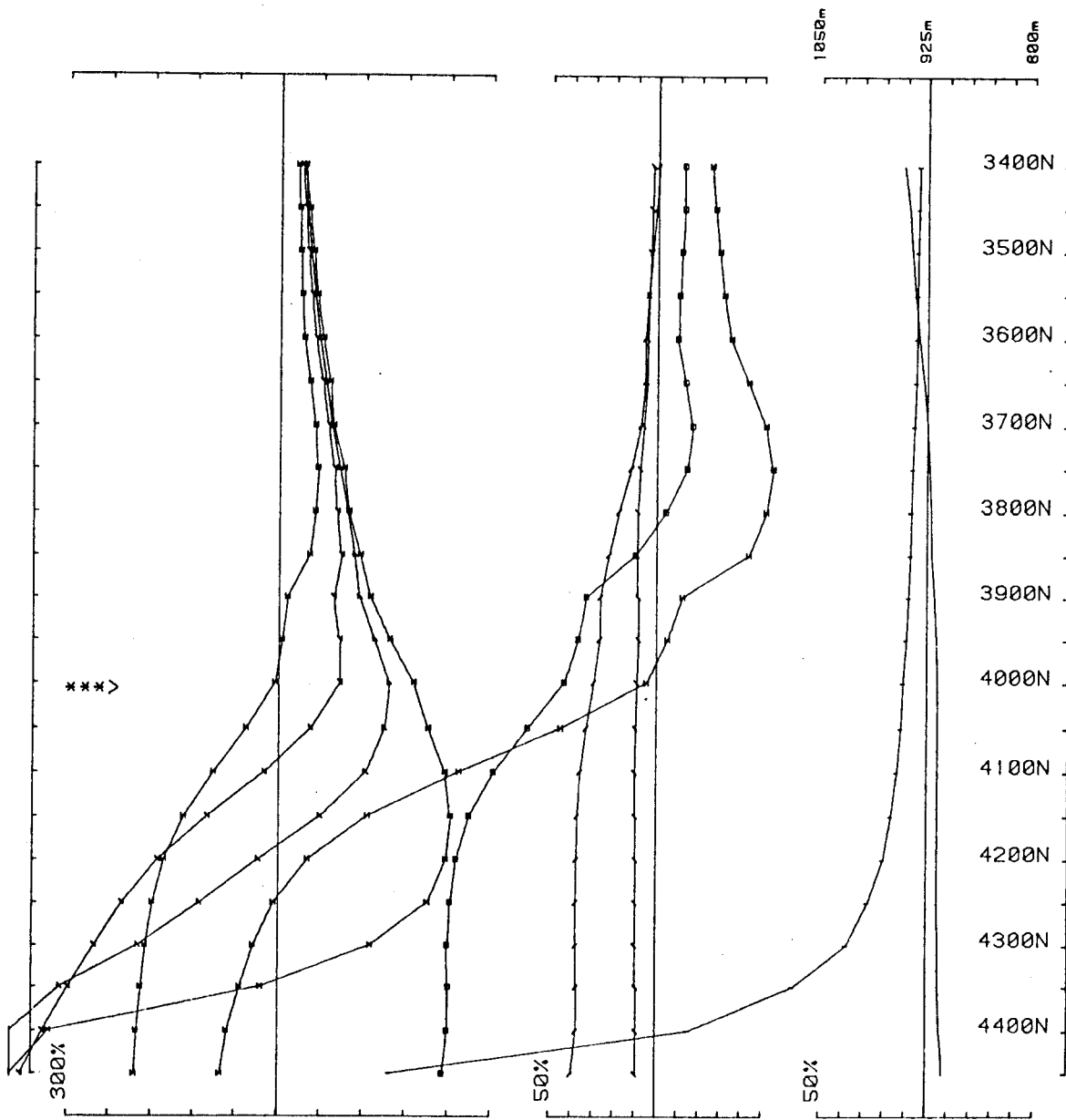


Area FIN 2-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0003 Line 4200E component Hz secondary Ch I normalized



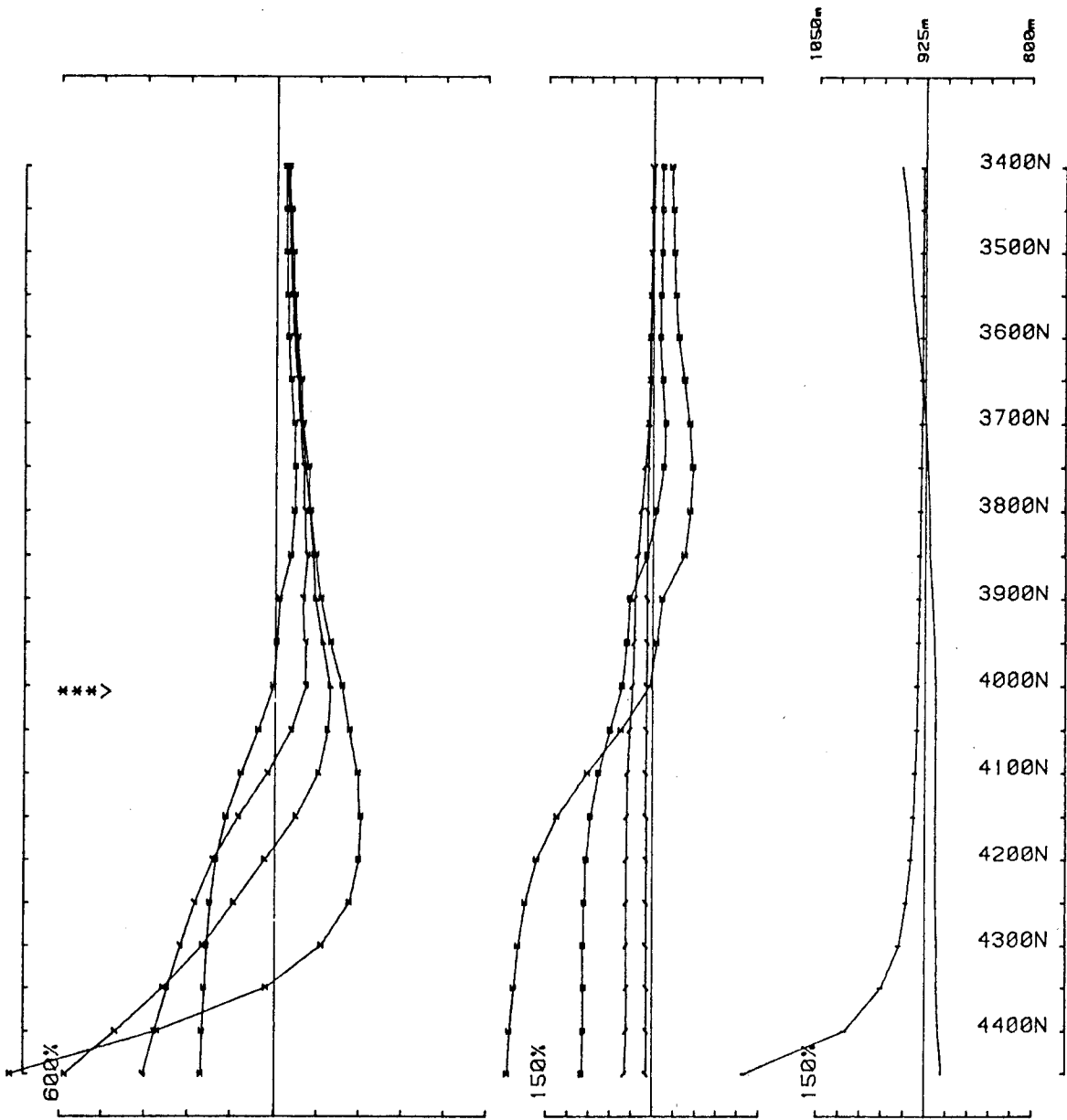
Area FIN 2-AUG-82 Cominco operator JJJ&AOH freq(hz) 30.974
 Loopno 0003 Line 4600E component Hz secondary Ch I normalized

DS II

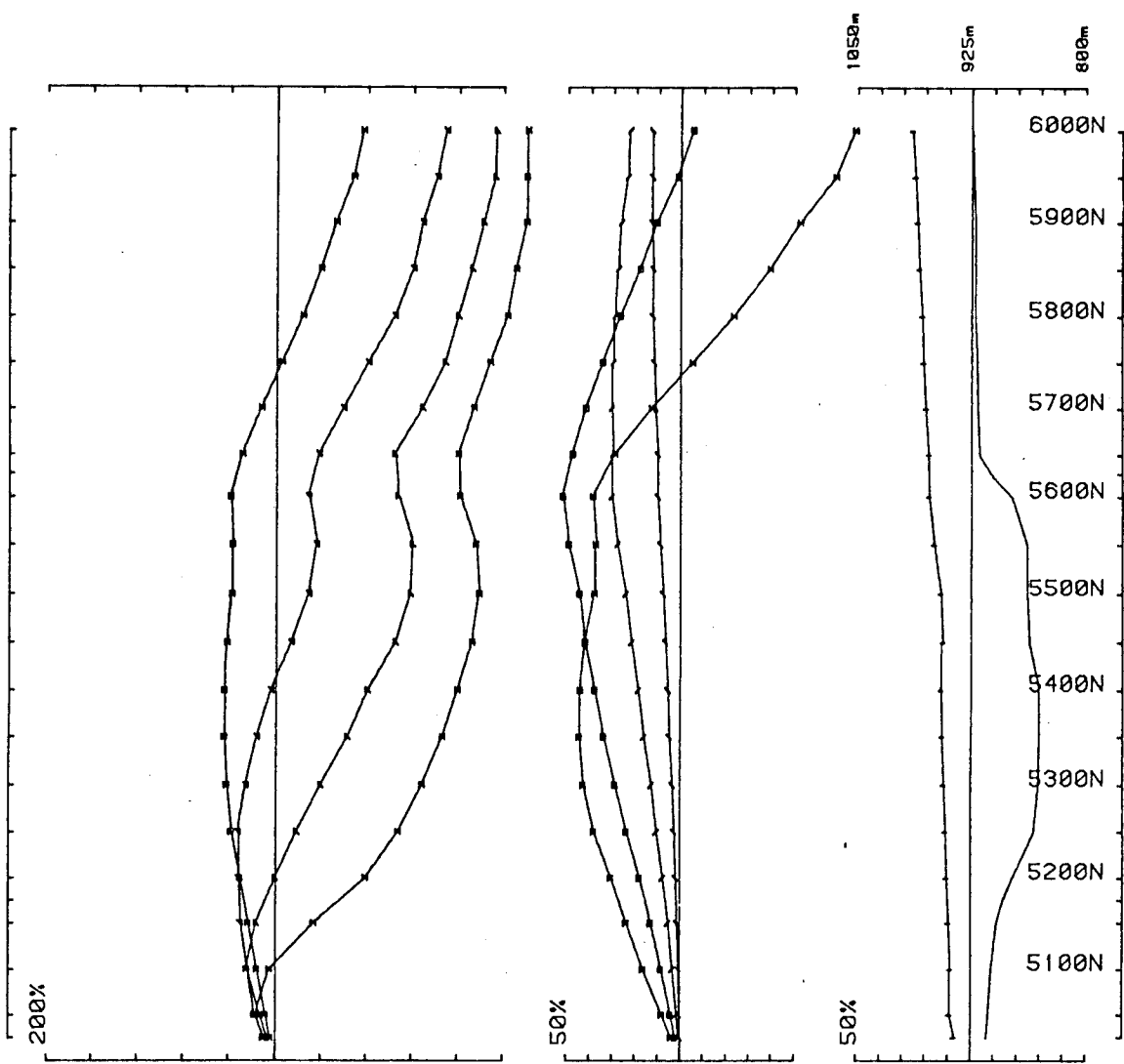


Area FIN 2-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0003 Line 4600E component Hz secondary Ch 1 normalized

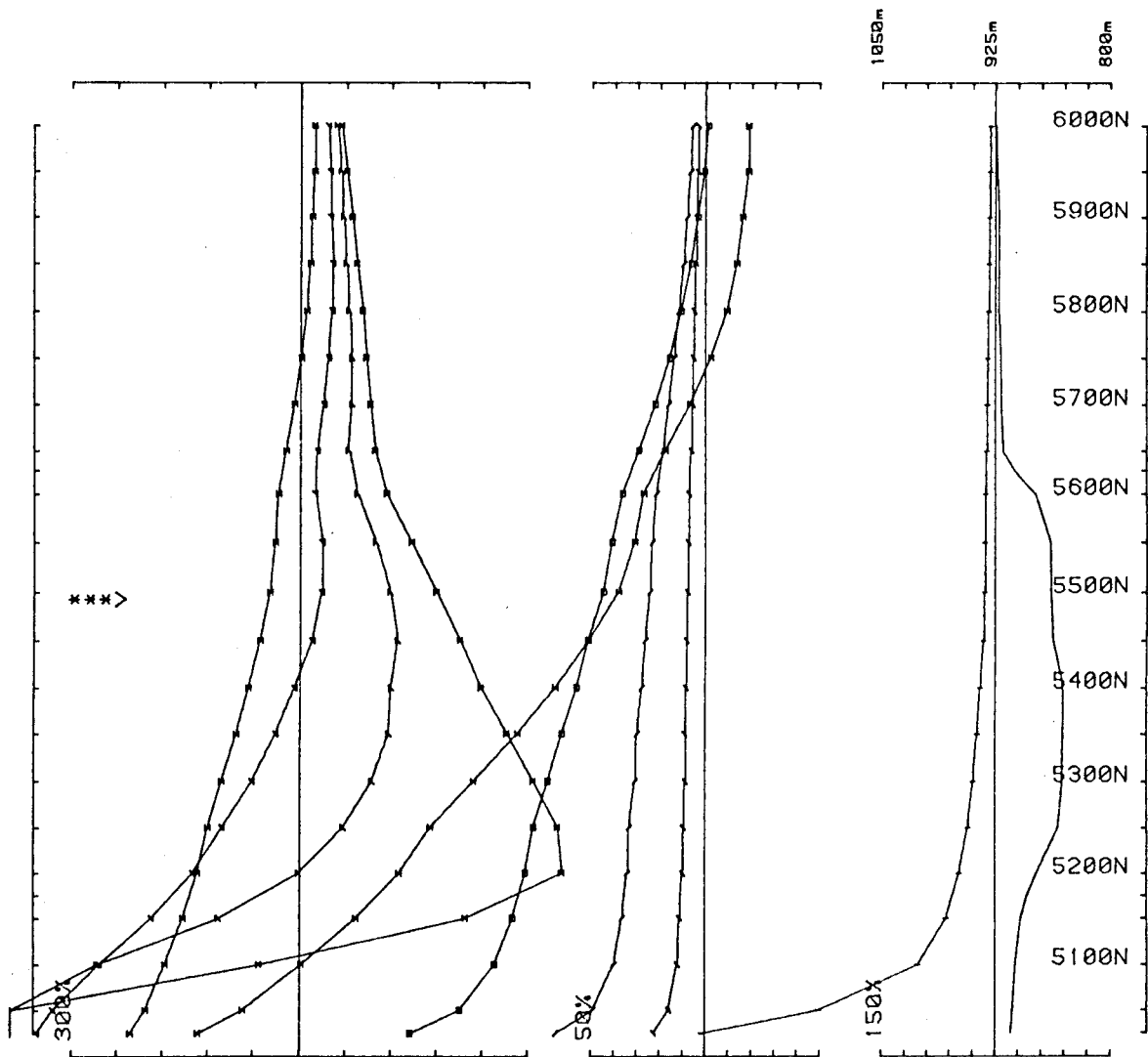
DS 11a



Area FIN 2-AUG-82 Comlaco operator JJL&AOH freq(hz) 30.974
 Loopno 0003 Line 4600E component Hz secondary Ch 1 normalized

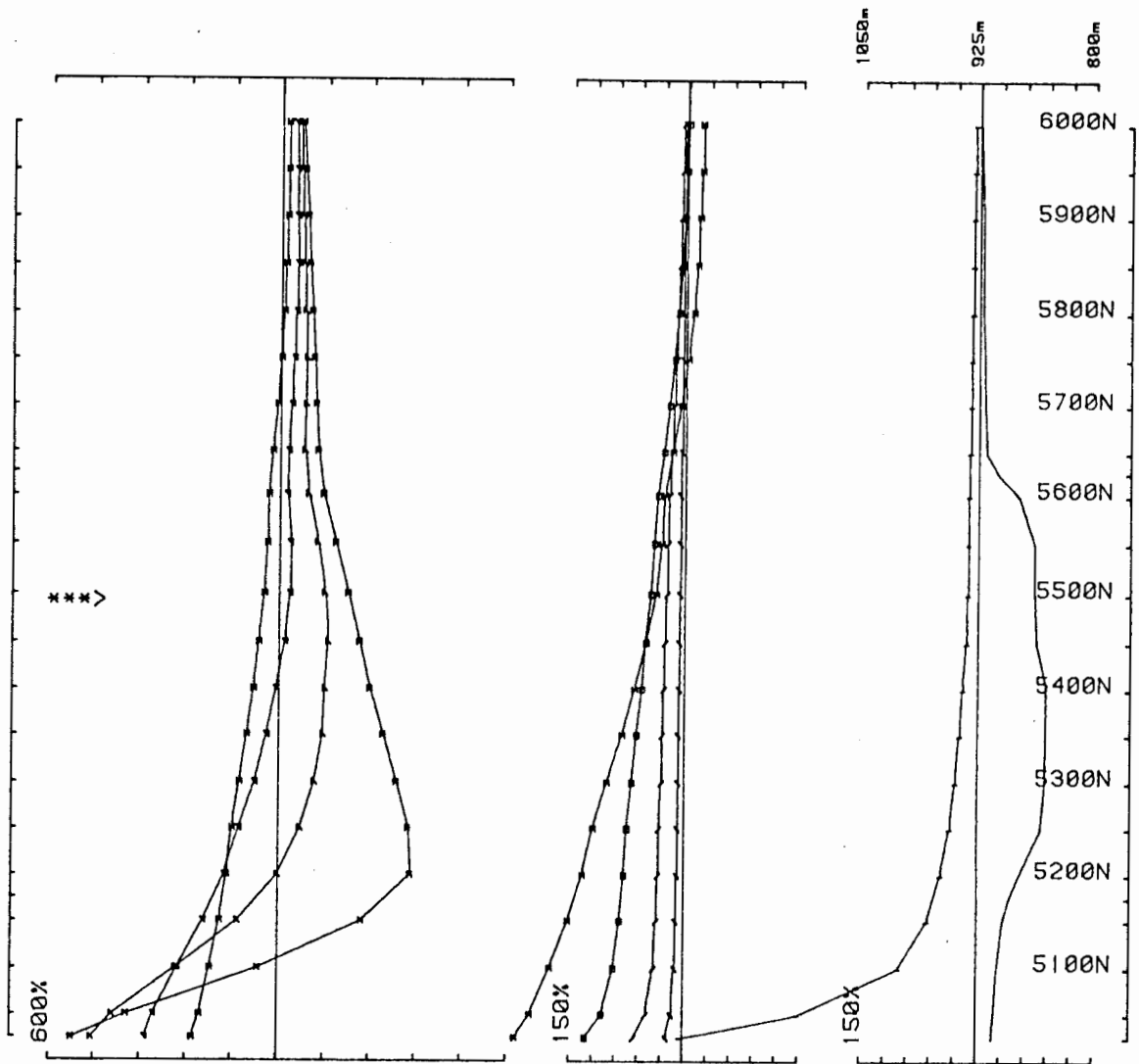


Area FIN 3-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0003 Line 4200E component Hz secondary Ch 1 normalized

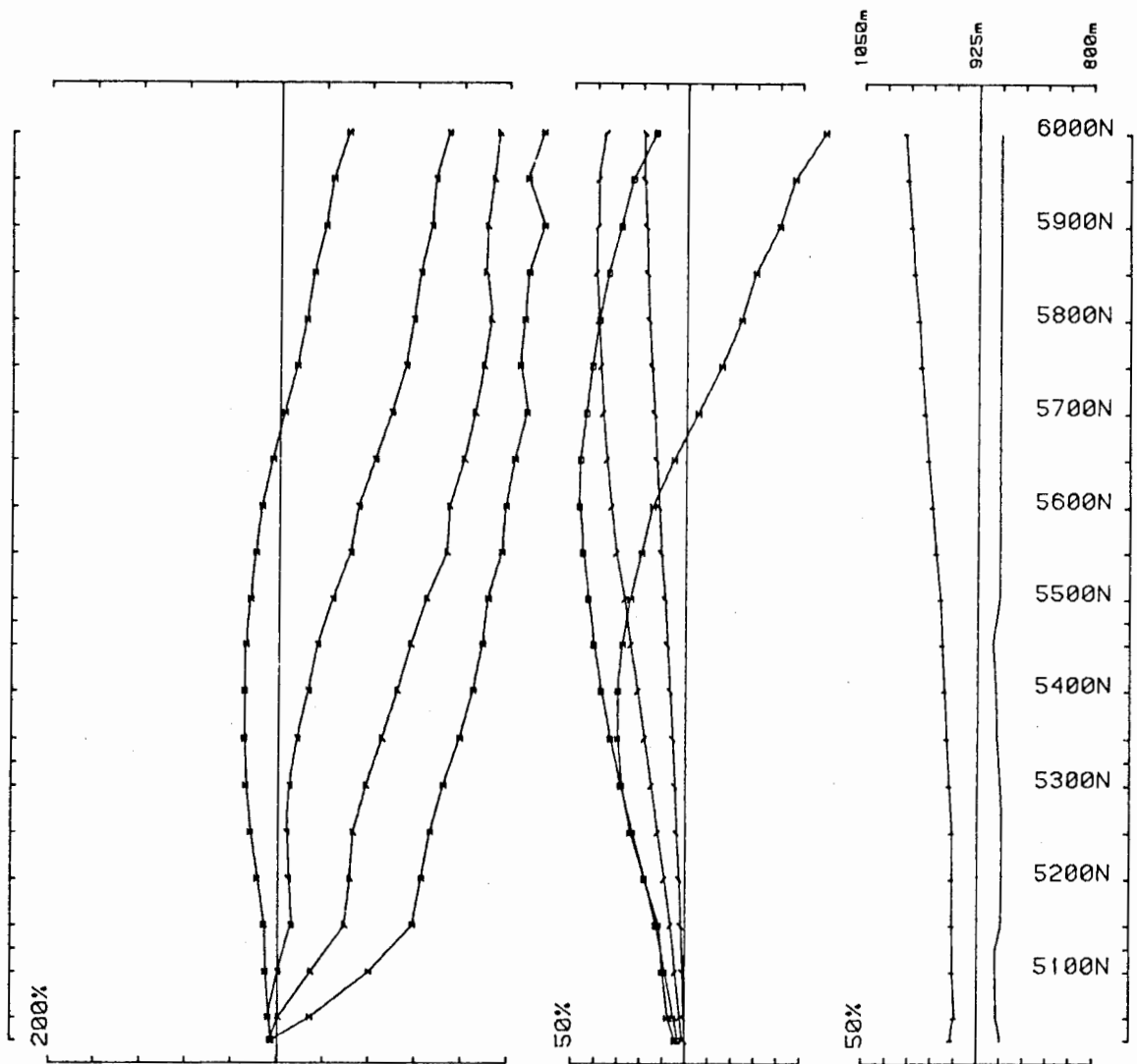


Area FIN 3-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0003 Line 4200E component Hz secondary Ch 1 normalized

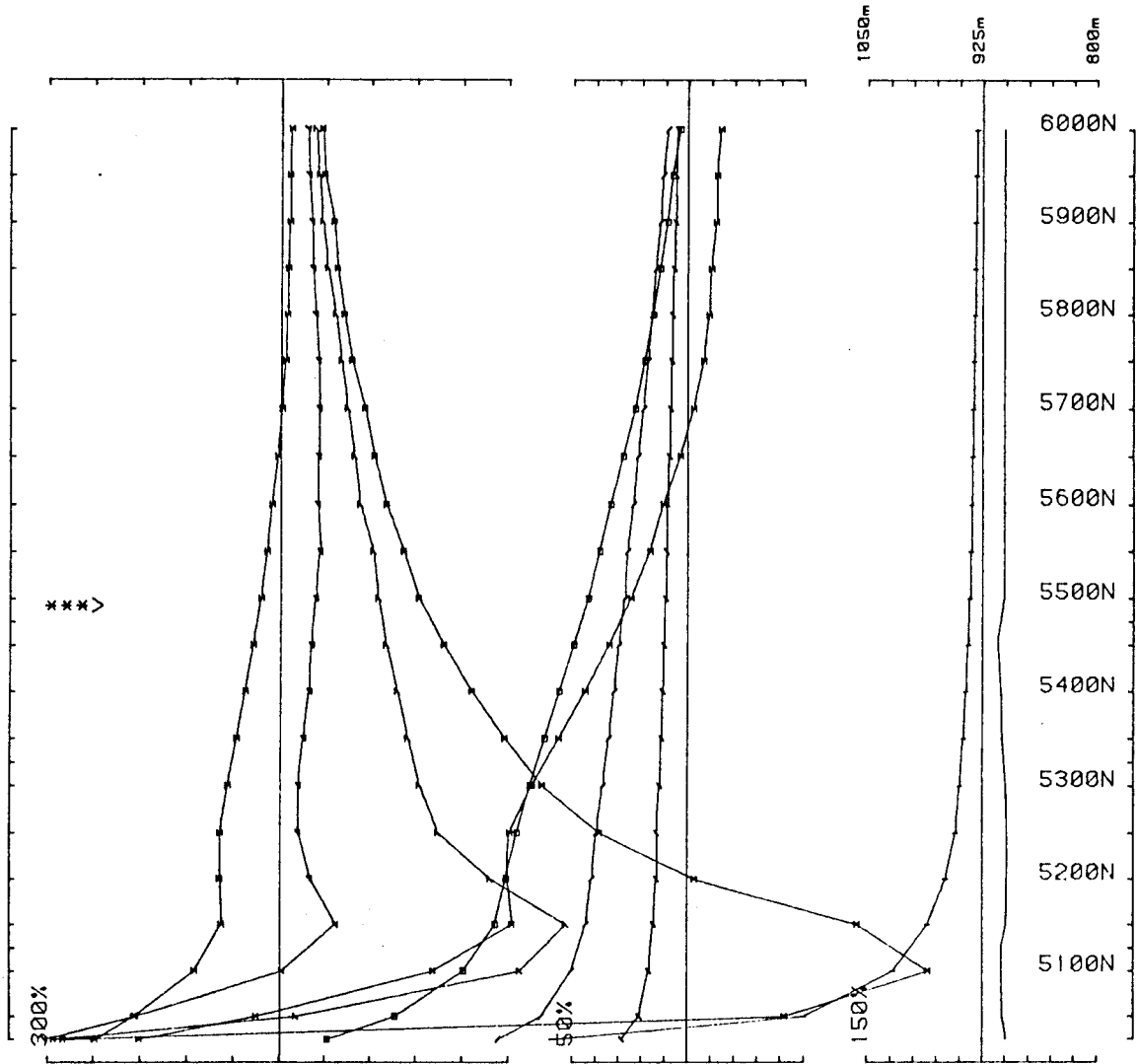
DS 12a



Area FIN 3-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0003 Line 4200E component Hz secondary Ch 1 normalized

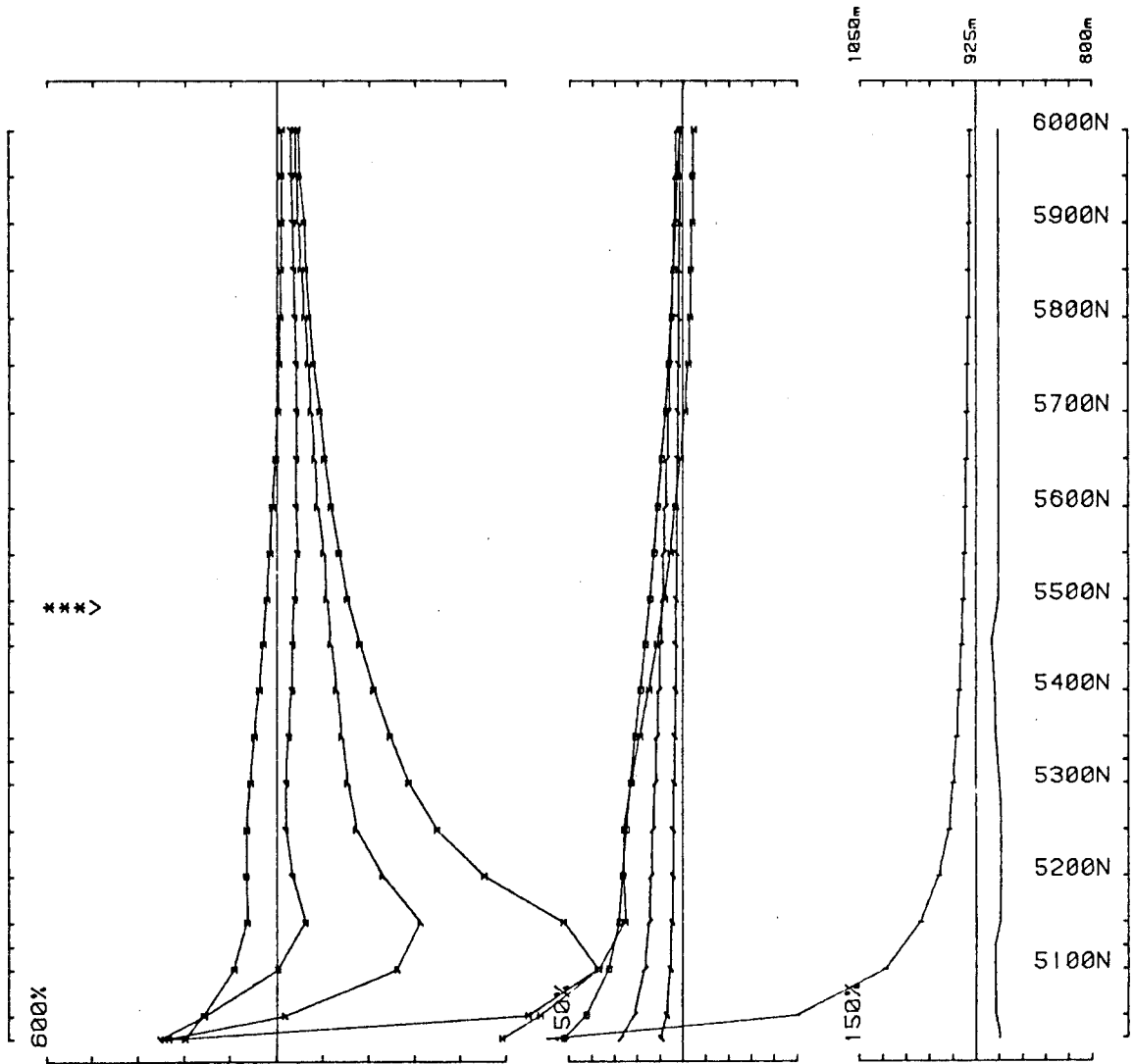


Area FIN 3-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0004 Line 5000E component Hz secondary Ch 1 normalized



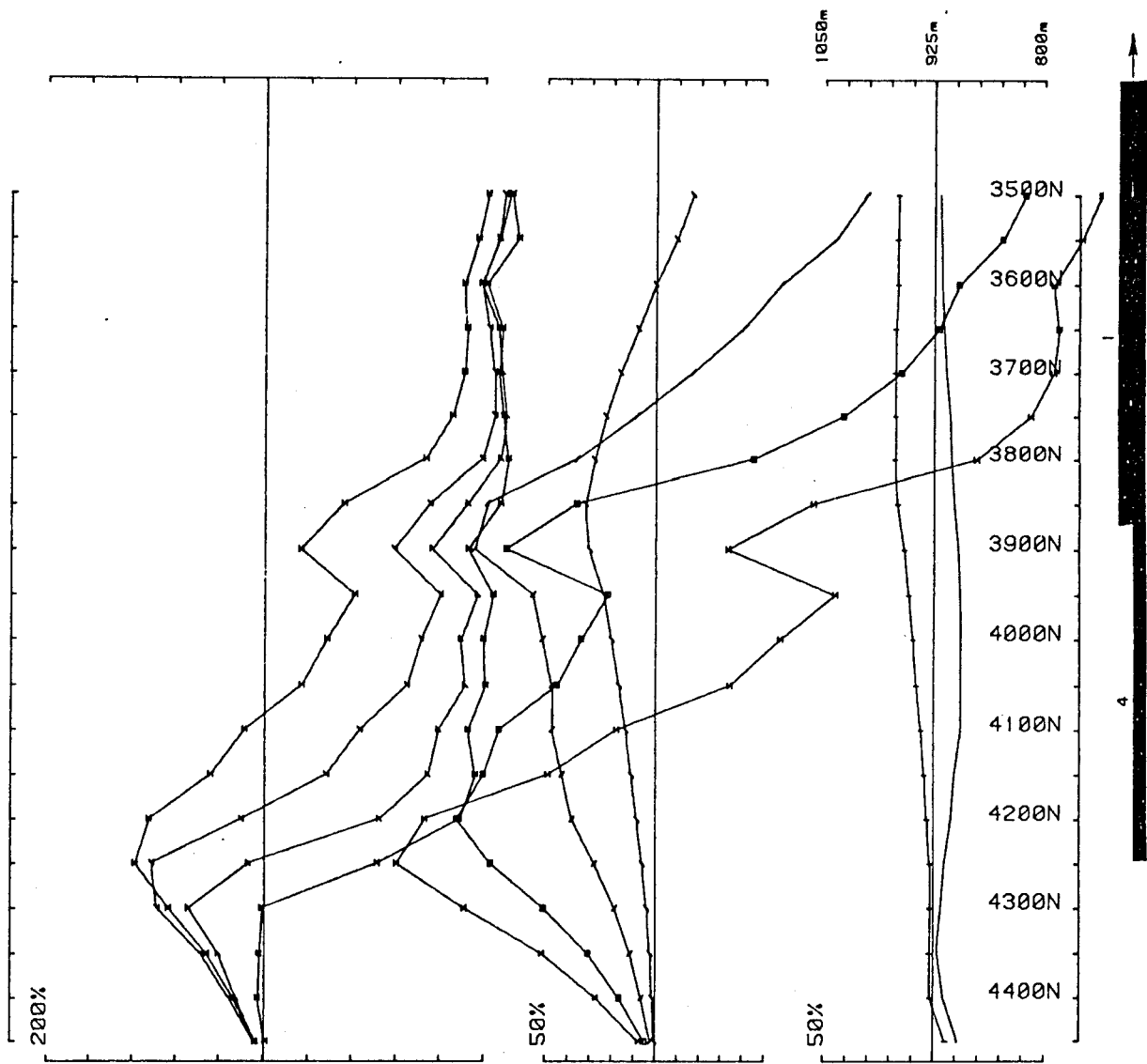
Area FIN 3-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0004 Line 5000E component Hz secondary Ch 1 normalized

DS 13a

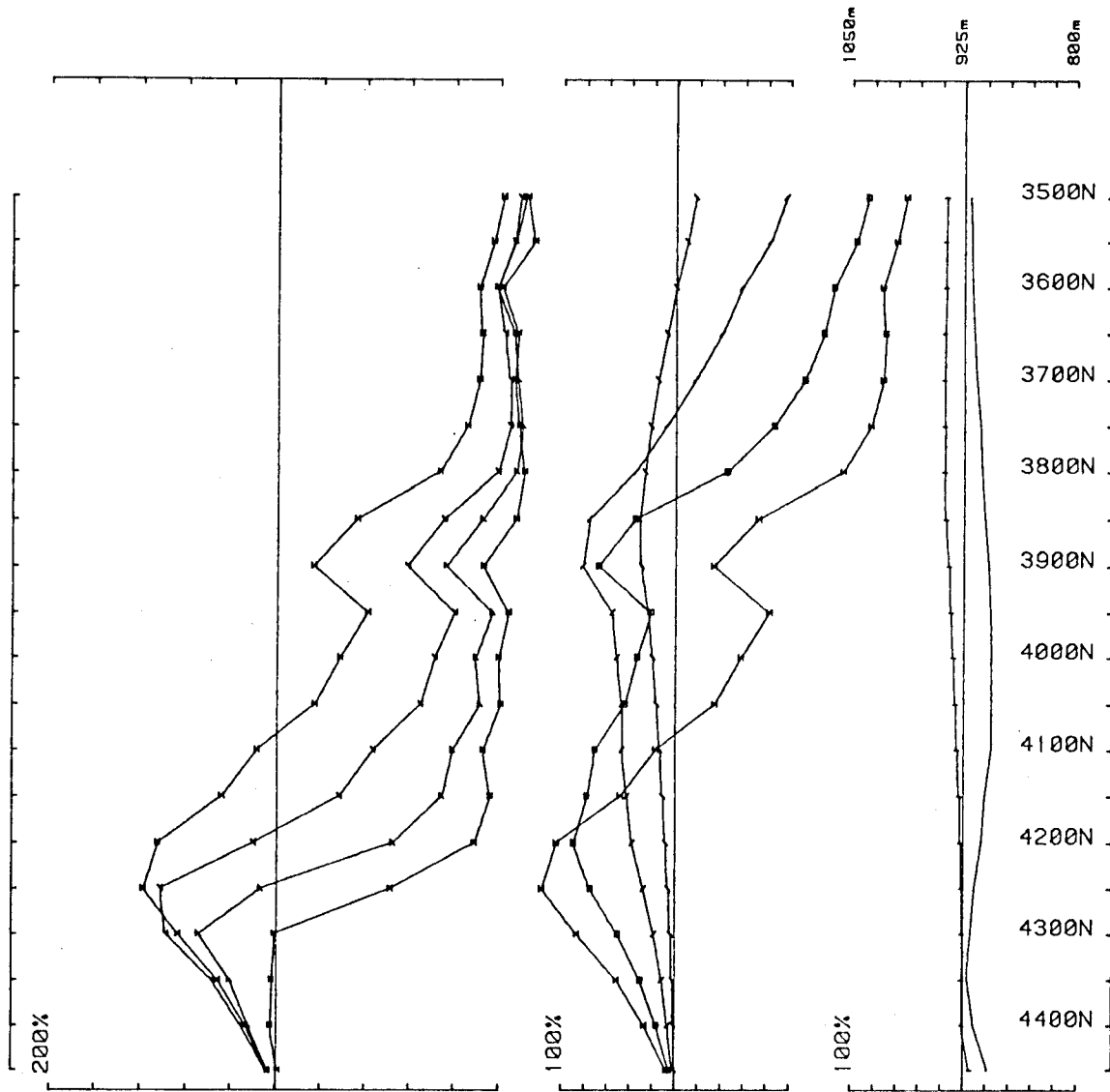


Area FIN 3-AUG-82 ComInco operator JUL&AOH freq(hz) 30.974
 Loopno 0004 Line 5000E component Hz secondary Ch 1 normalized

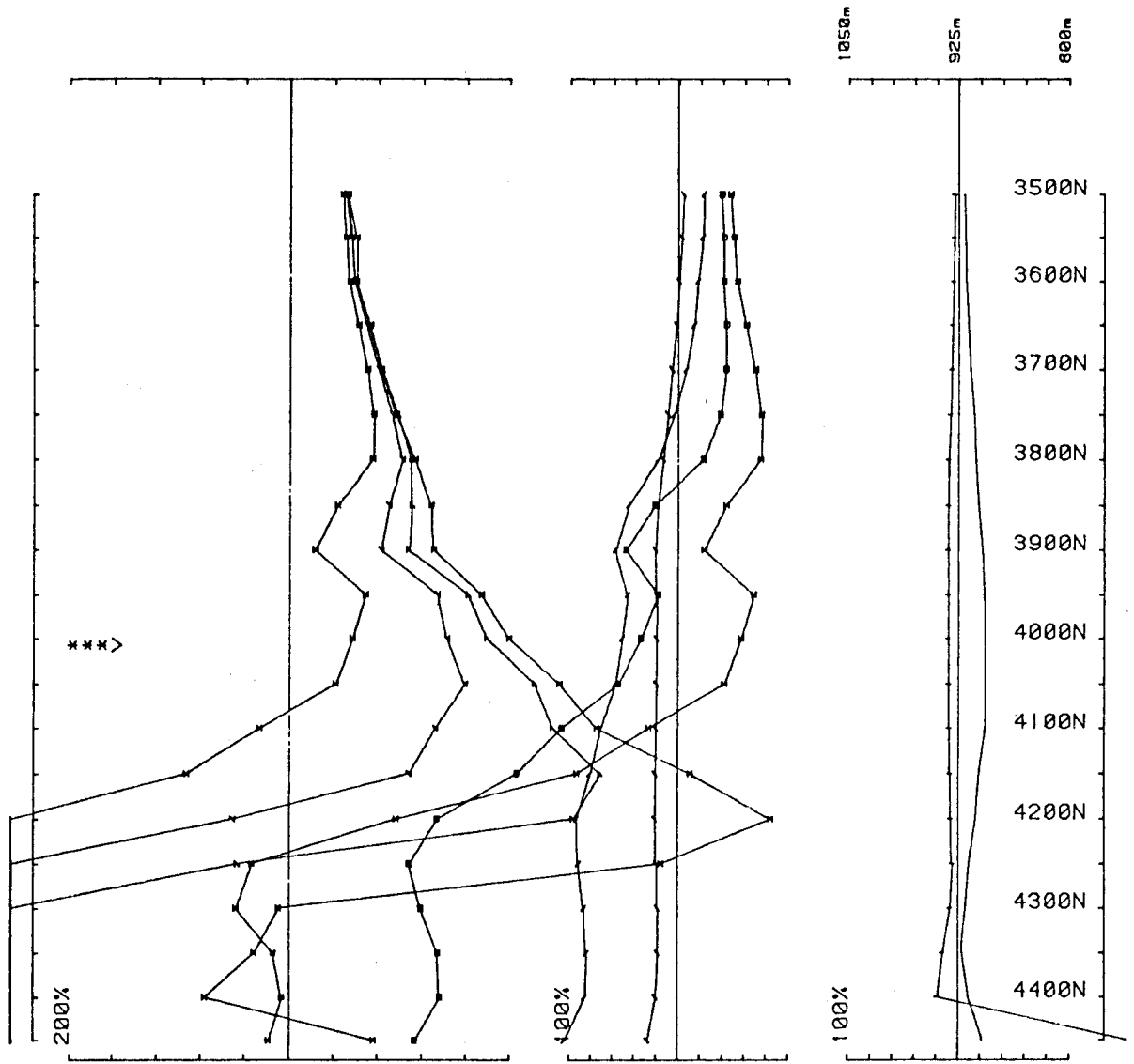
DS 13b



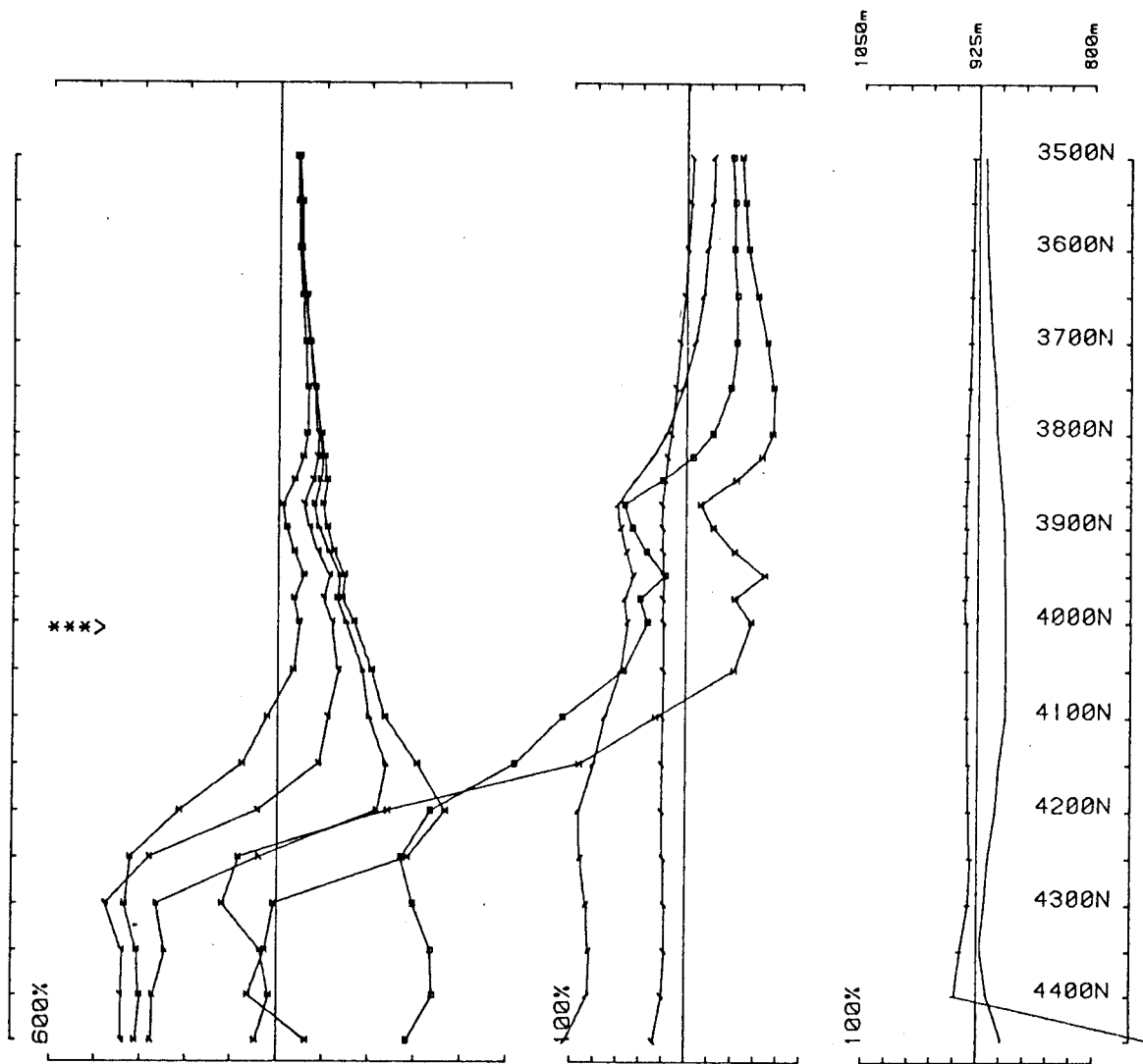
Area FIN 4-aug-82 COMINCO operator JUL&AOH freq(hz) 30.974
 Loopno 0004 Line 5000E component Hz secondary Ch 4 normalized



Area FIN 4-aug-82 COMINCO operator JUL&AOH freq(hz) 30.974
 Loopno 0004 Line 5000E component Hz secondary Ch 1 normalized

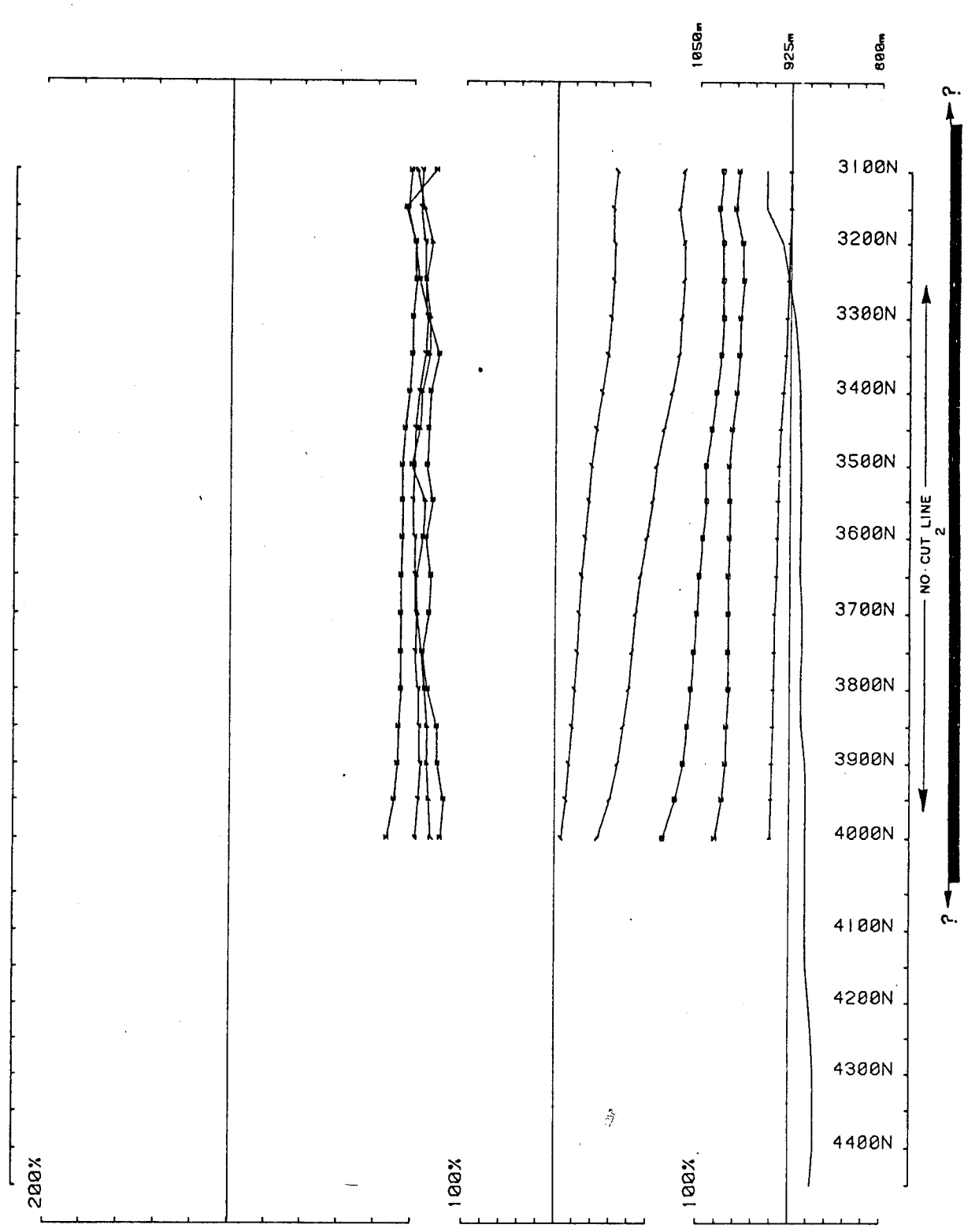


Area FIN 4-aug-82 COMINCO operator JUL&AOH freq(hz) 30.974
 Loopno 0004 Line 5000E component Hz secondary Ch 1 normalized

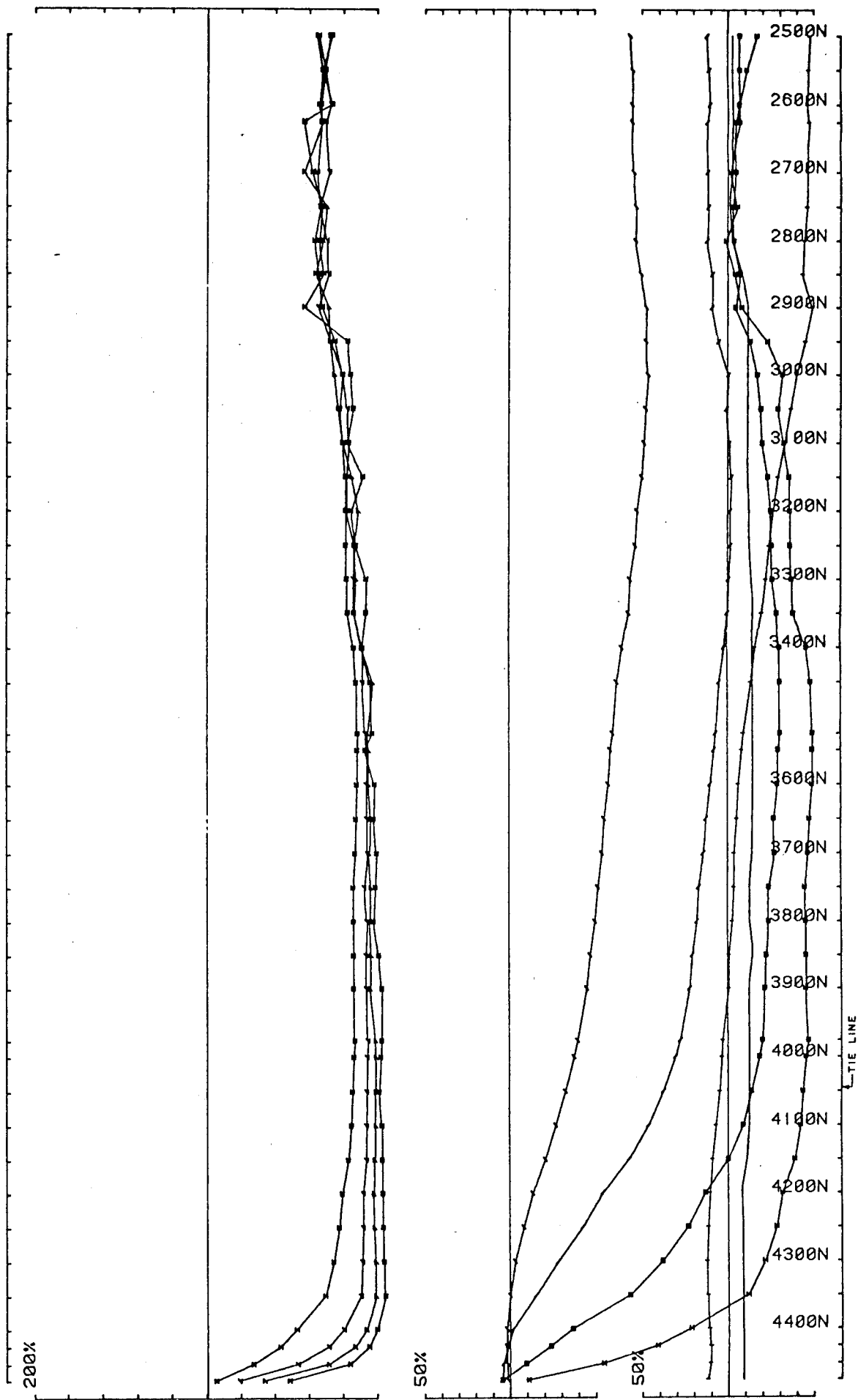


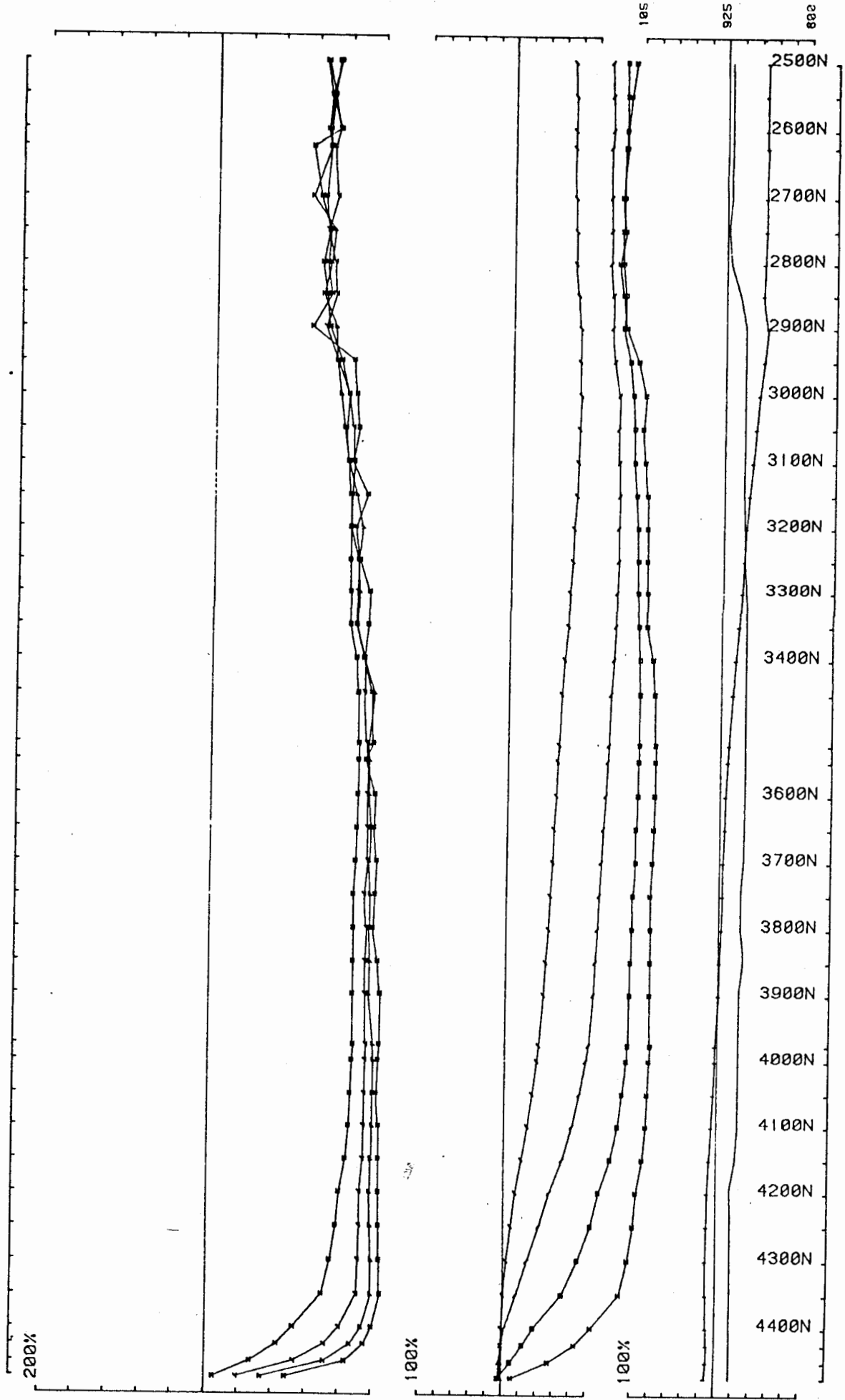
Area FIN 4-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0004 Line 5000E component Hz secondary Ch 1 normalized

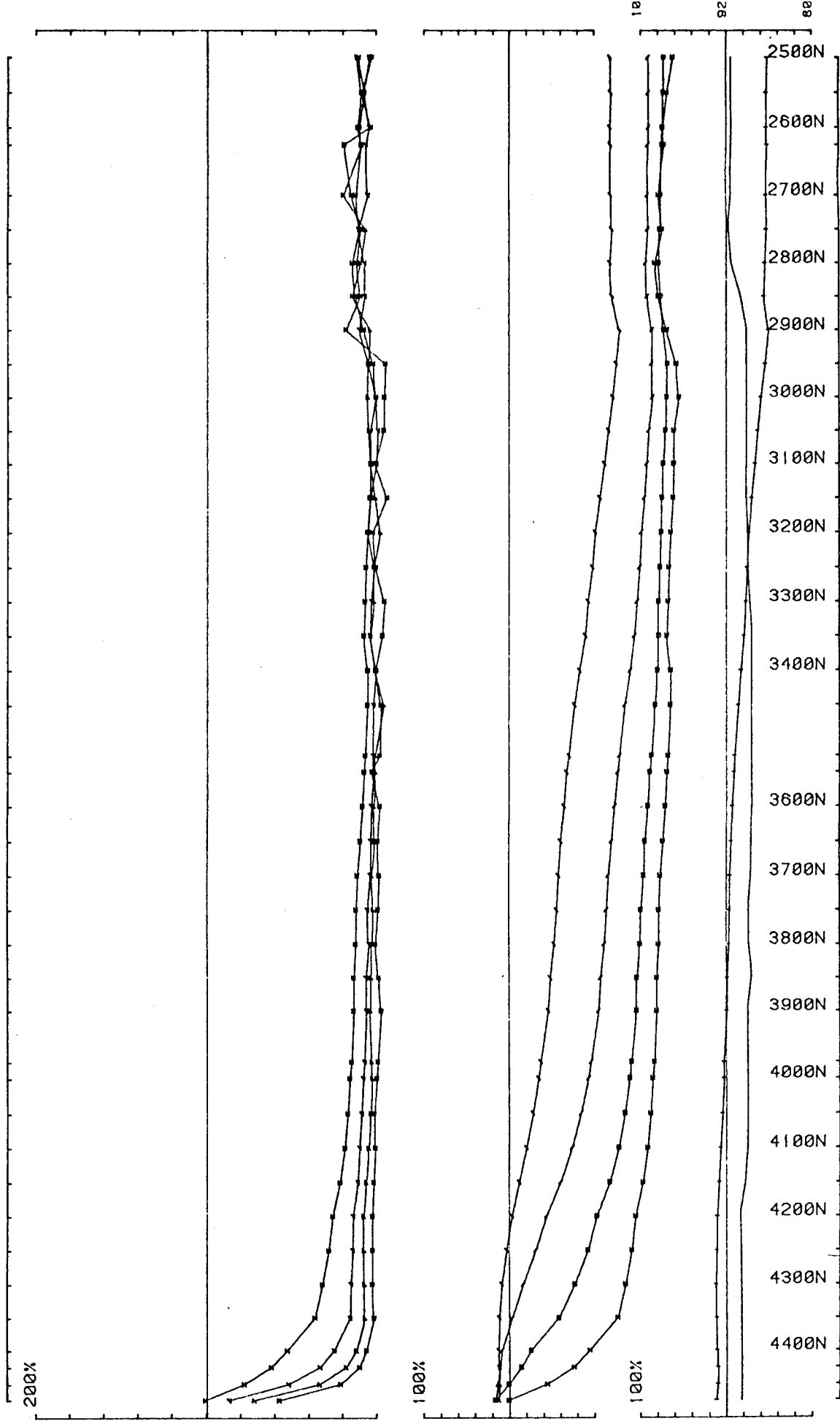
DS 14c

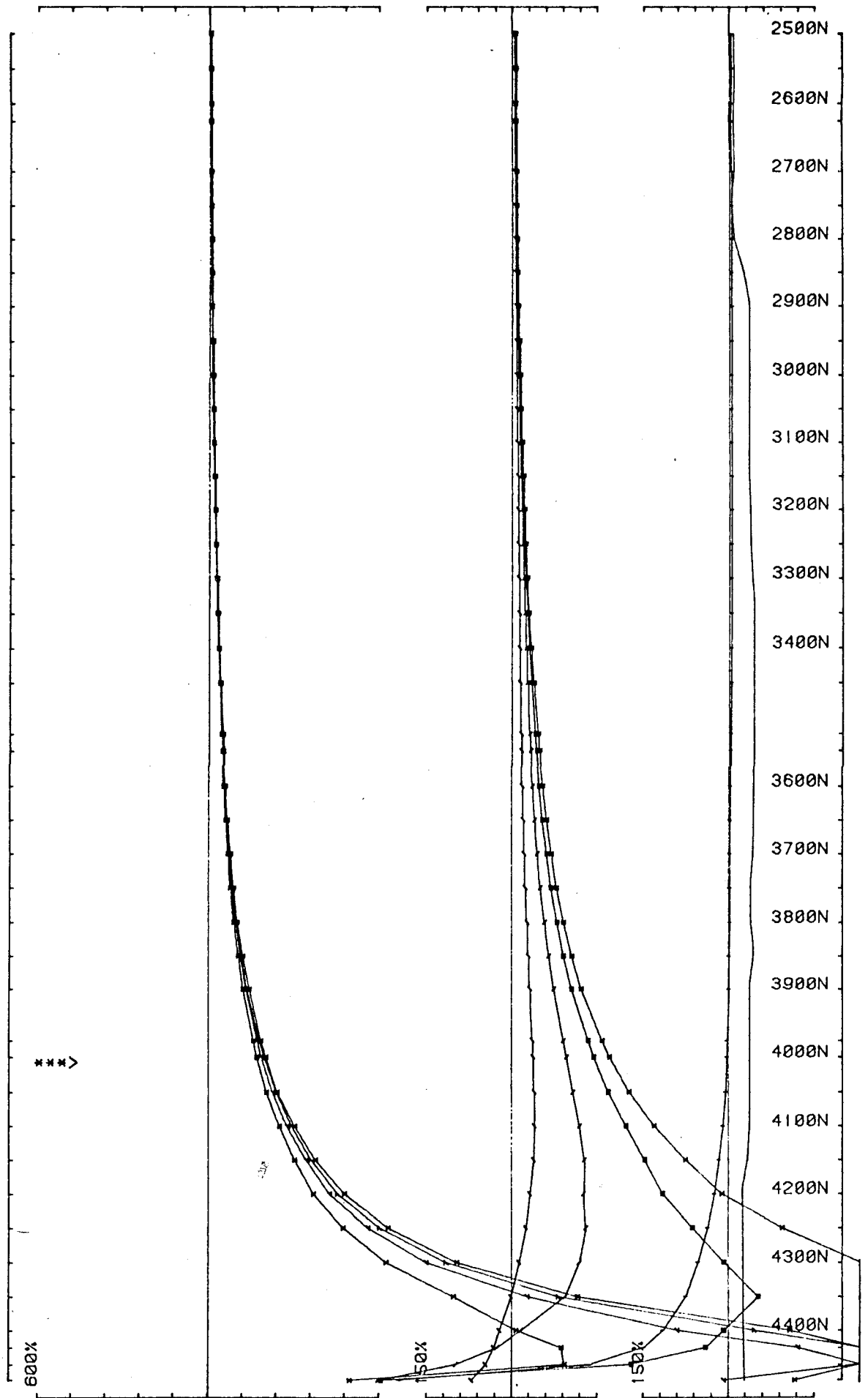


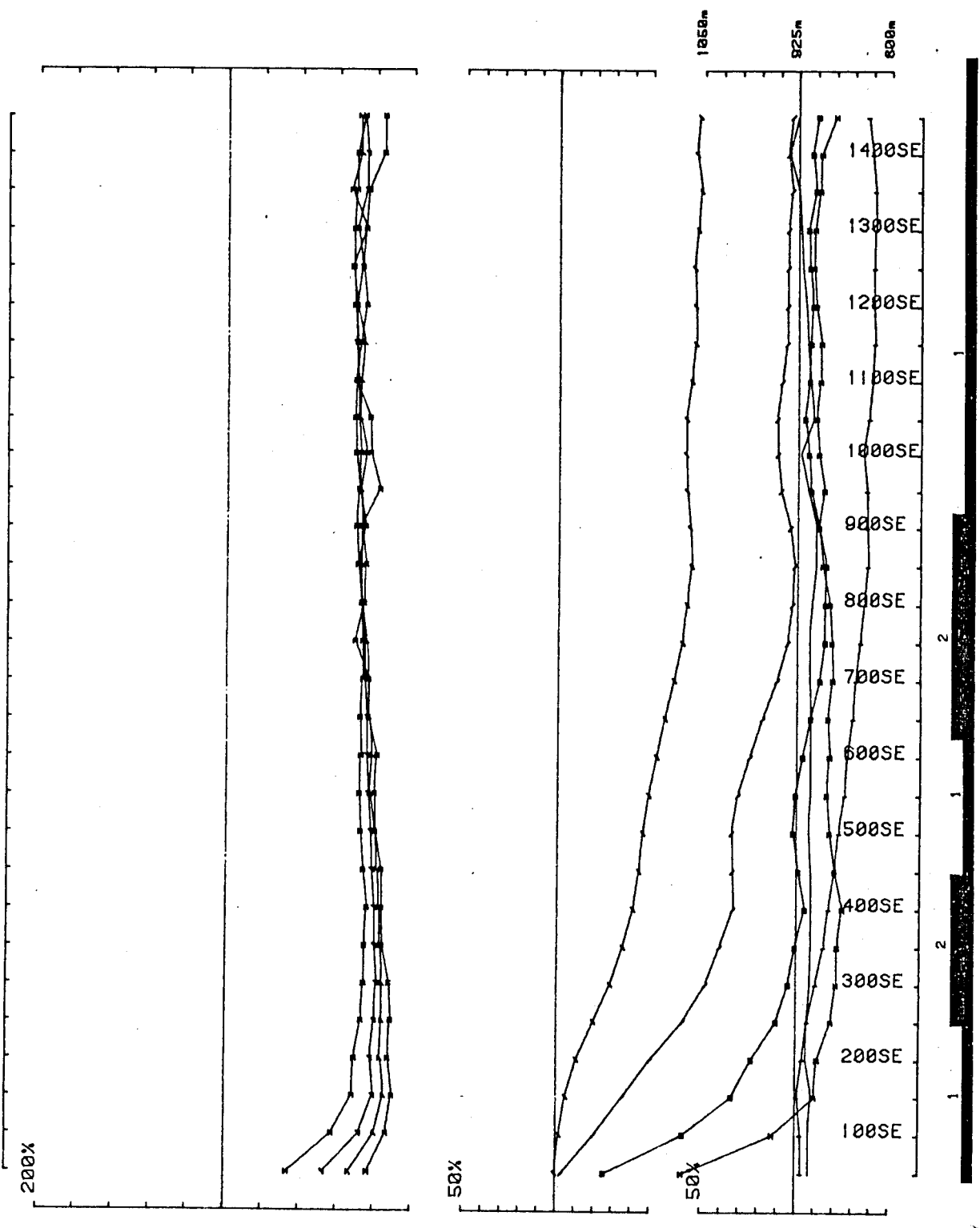
Area FIN 7-AUG-82 Cominco operator JVL&AOH freq(hz) 30.974
 Loopno 0004 Line 5400E component Hz secondary Ch 1 normalized



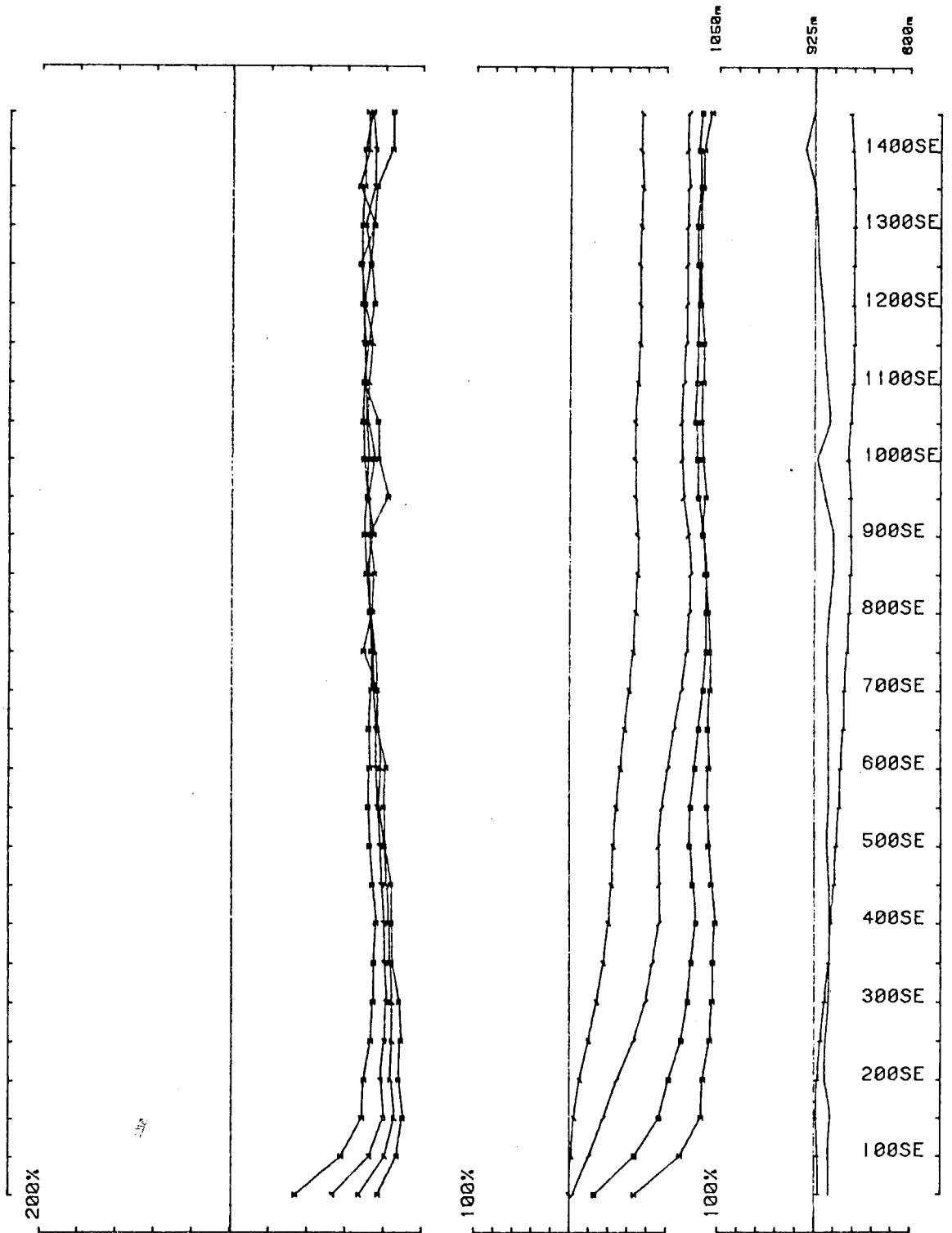




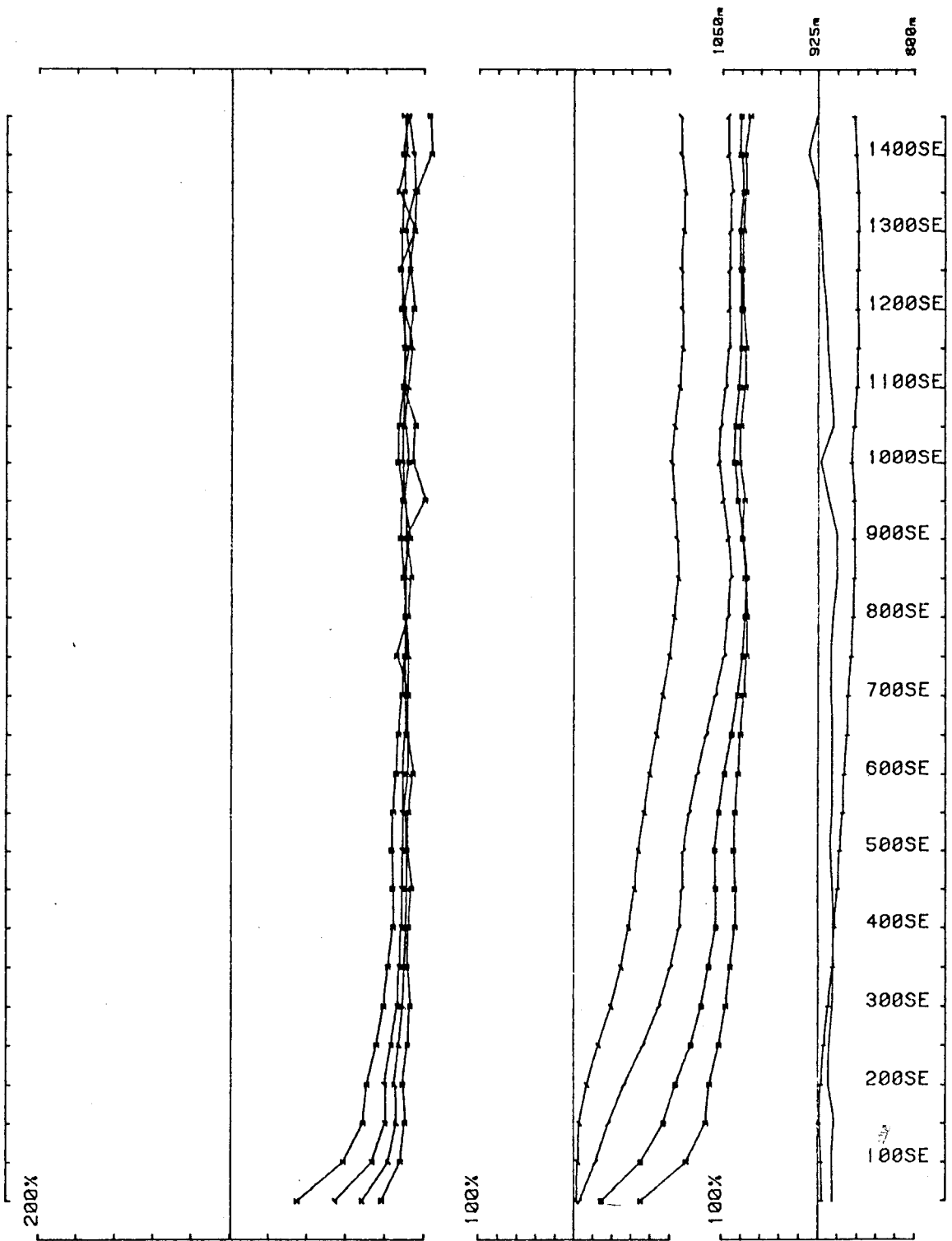




Area FIN 6-AUG-82 RECONNAISSANCE Cominco operator JVL&AOH freq(hz) 30'
 Loopno 0004 Line 1NE component Hz secondary Ch 1 normalized

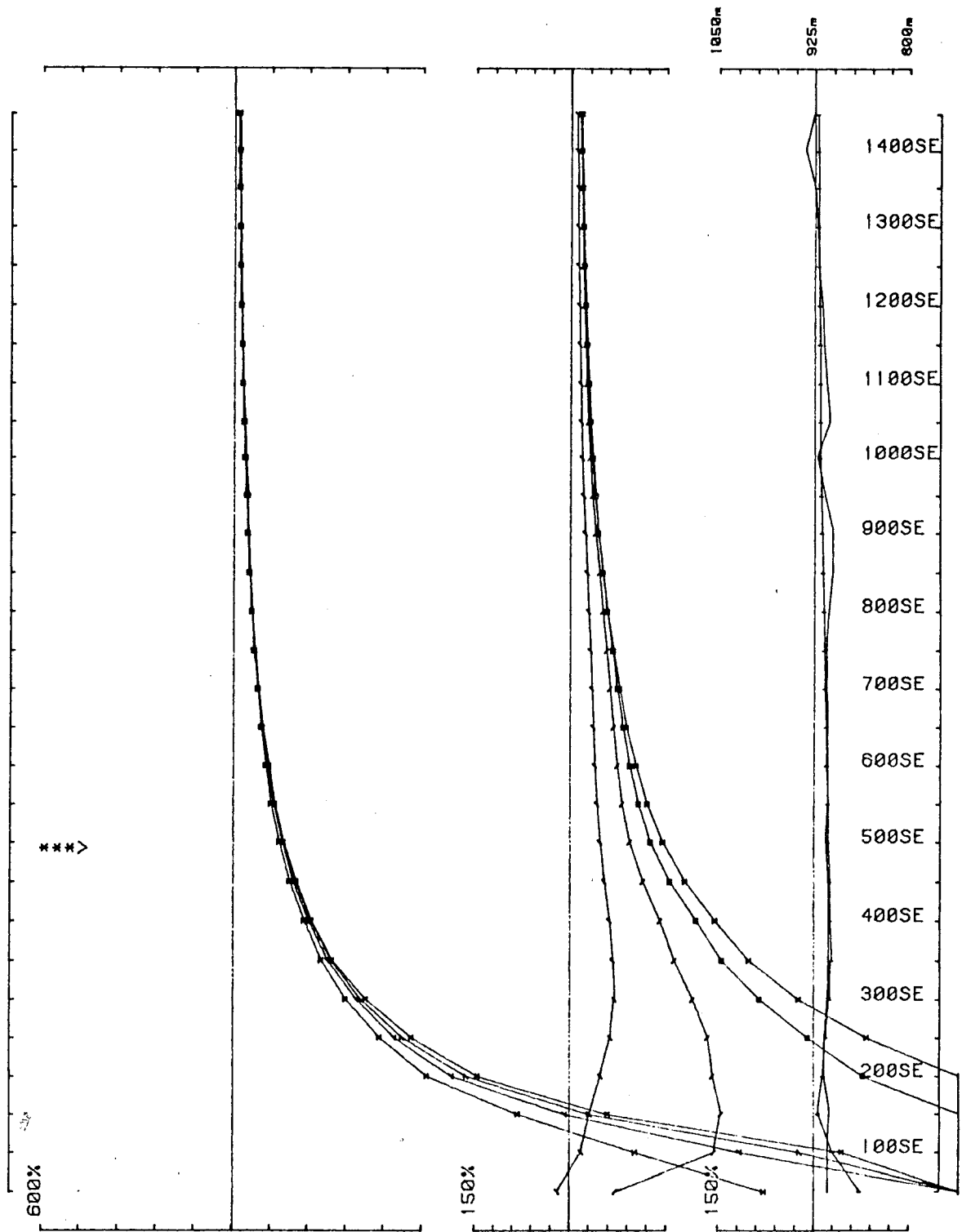


Area FIN 6-AUG-82 RECONNAISSANCE Cominco operator JUL&AOH freq(hz) 30
 Loopno 0004 Line INE component Hz secondary Ch 1 normalized

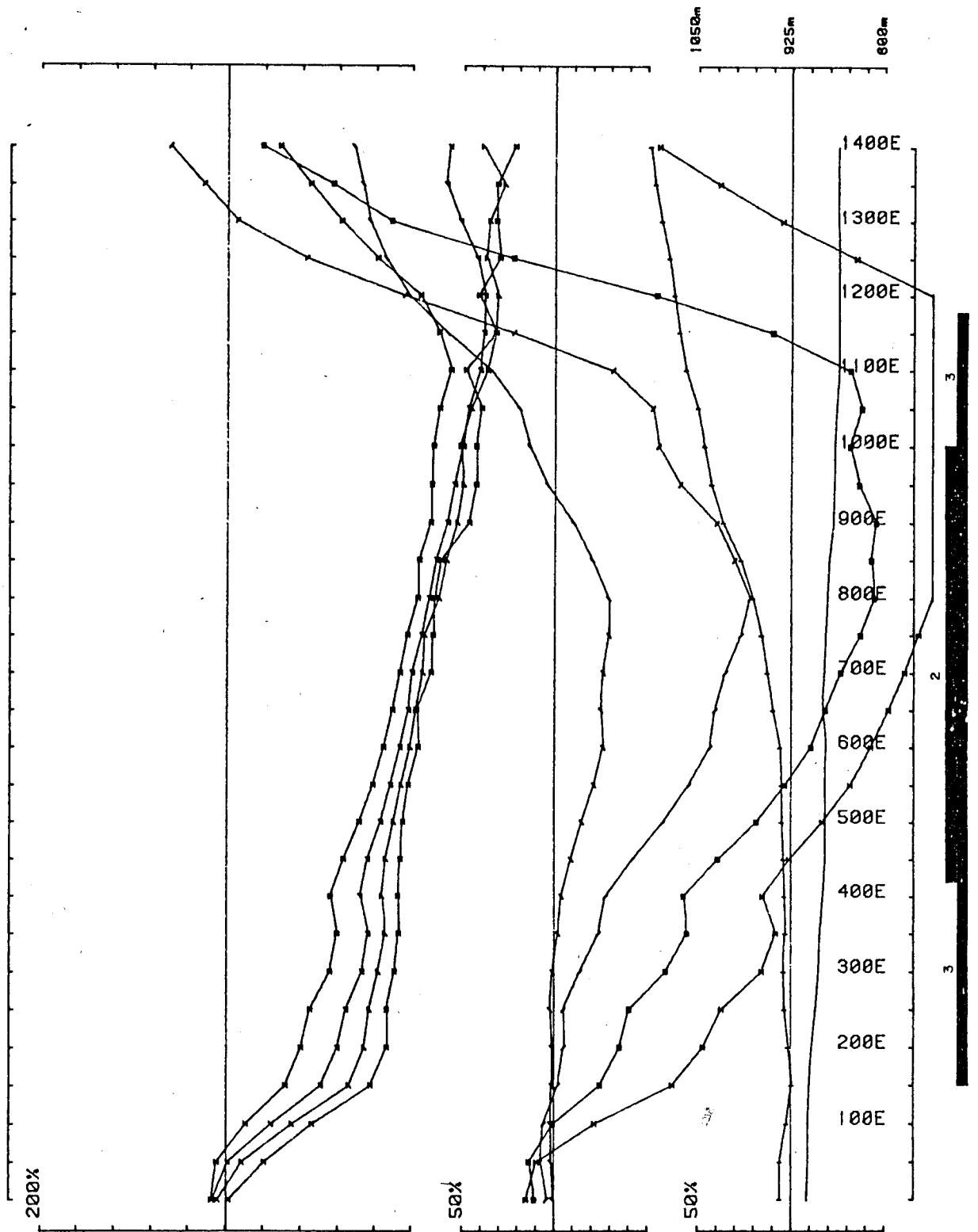


Area FIN 6-AUG-82 RECONNAISSANCE Cominco operator JYL&AOH freq(hz) 30
 Loopno 0004 Line INE component Hz secondary primary field normalized

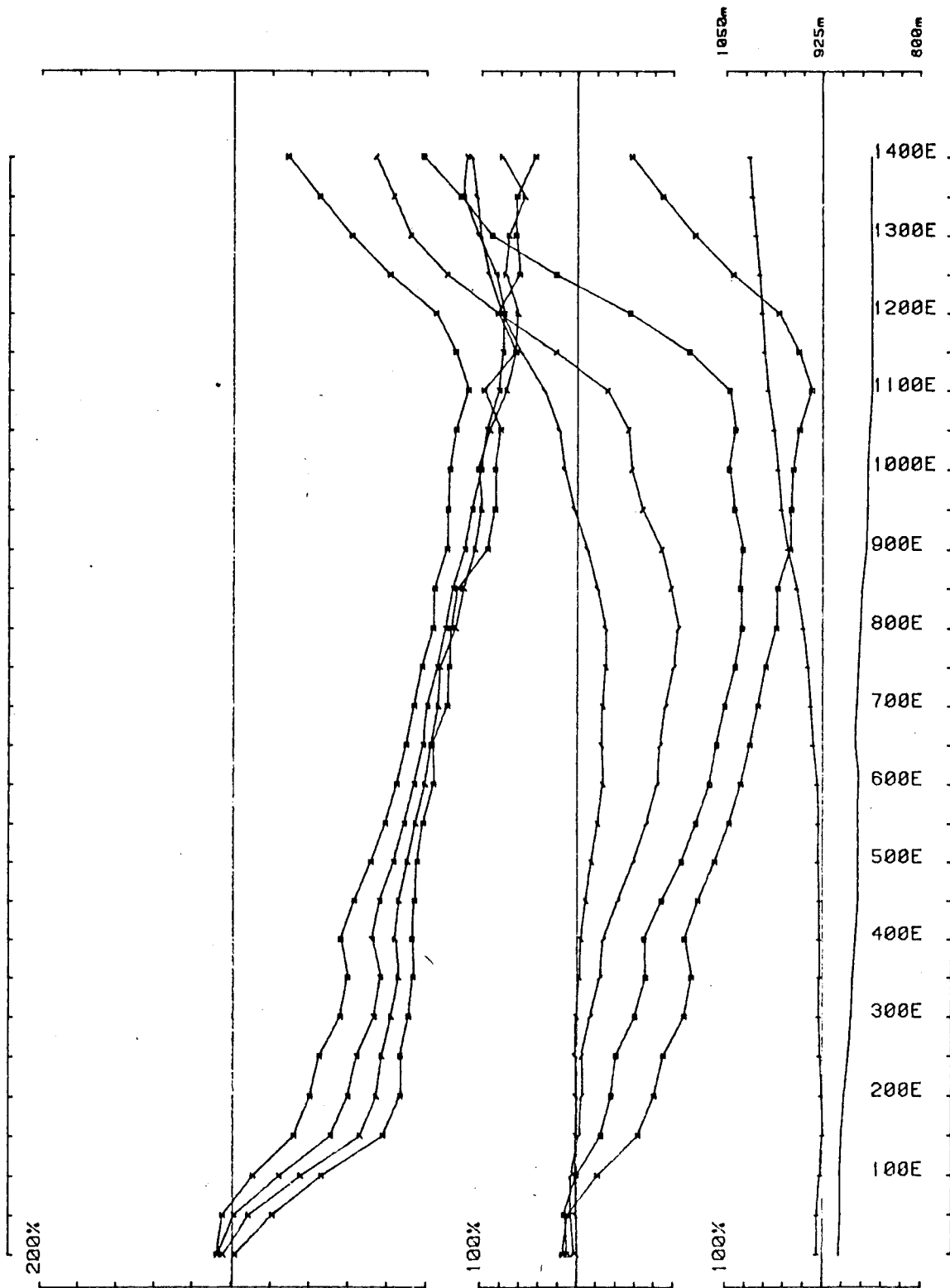
4



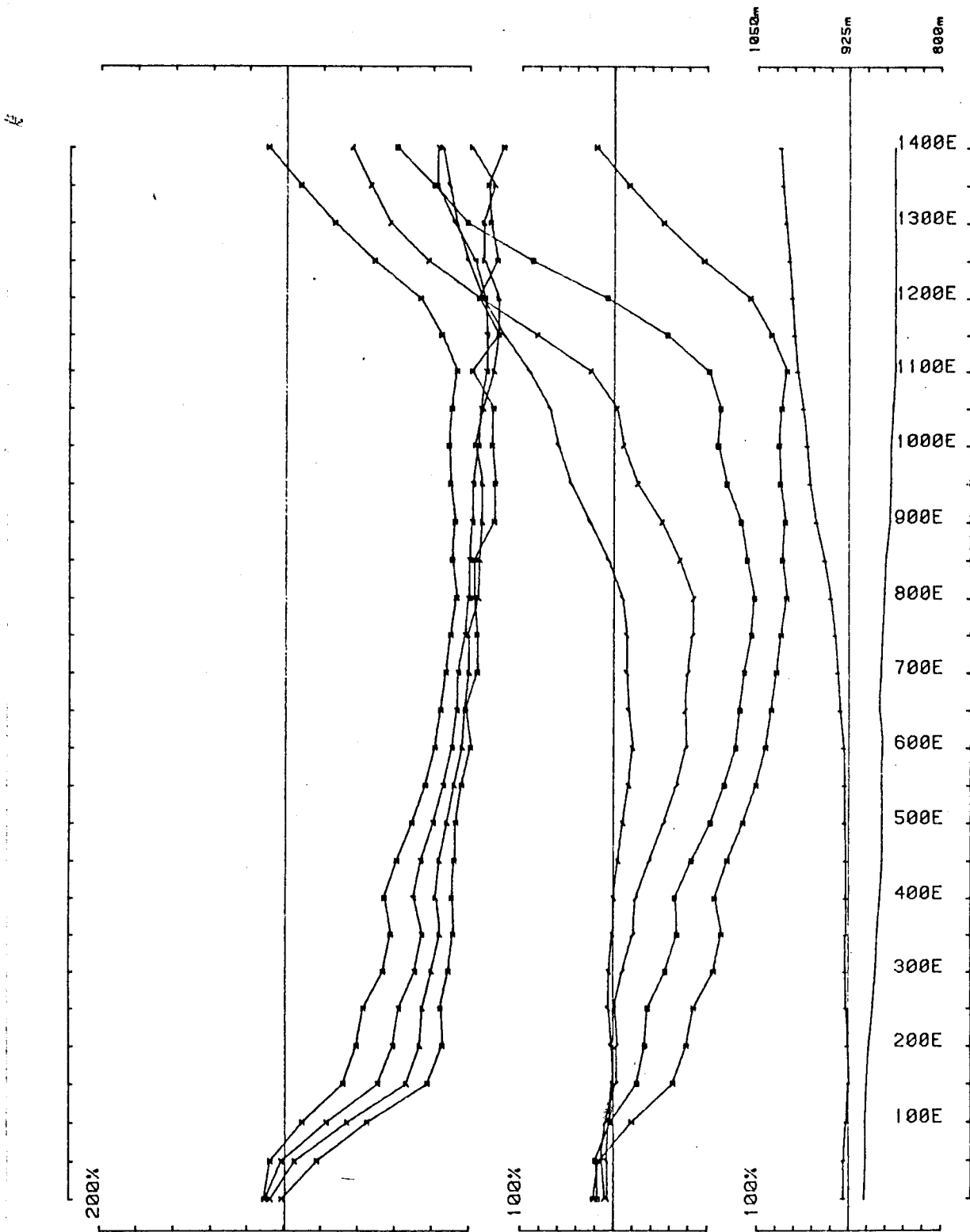
Area FIN 6-AUG-82 RECONNAISSANCE ComInco operator JJJ&AOH freq(hz) 30'
Loopno 0004 Line INE component Hz secondary Ch 1 normalized



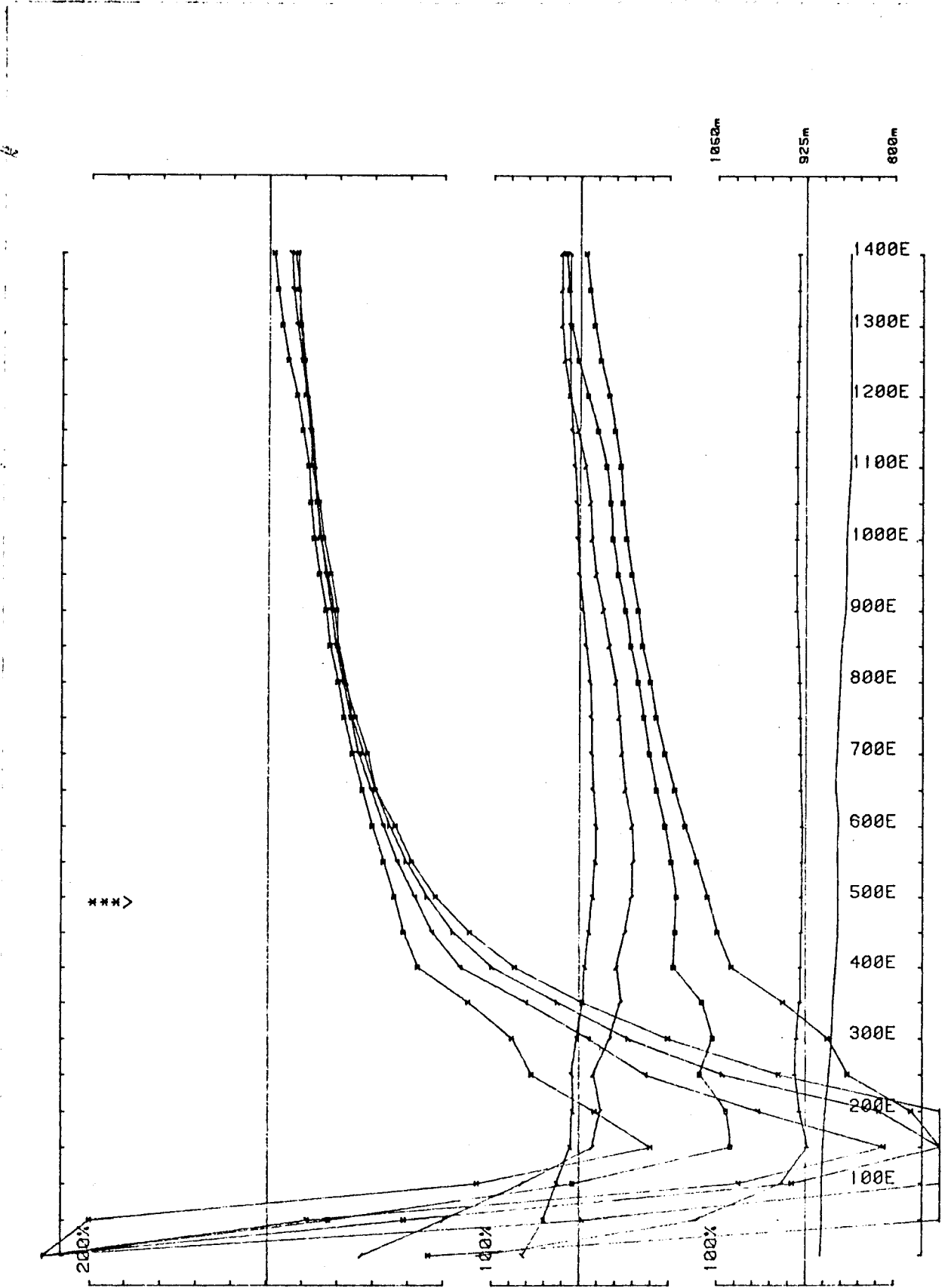
Area FIN 6-AUG-82 RECONNAISSANCE COMINCO operator JUL&AOH freq(hz) 30'
 Loopno 0004 Line 2N component Hz secondary Ch 1 normalized



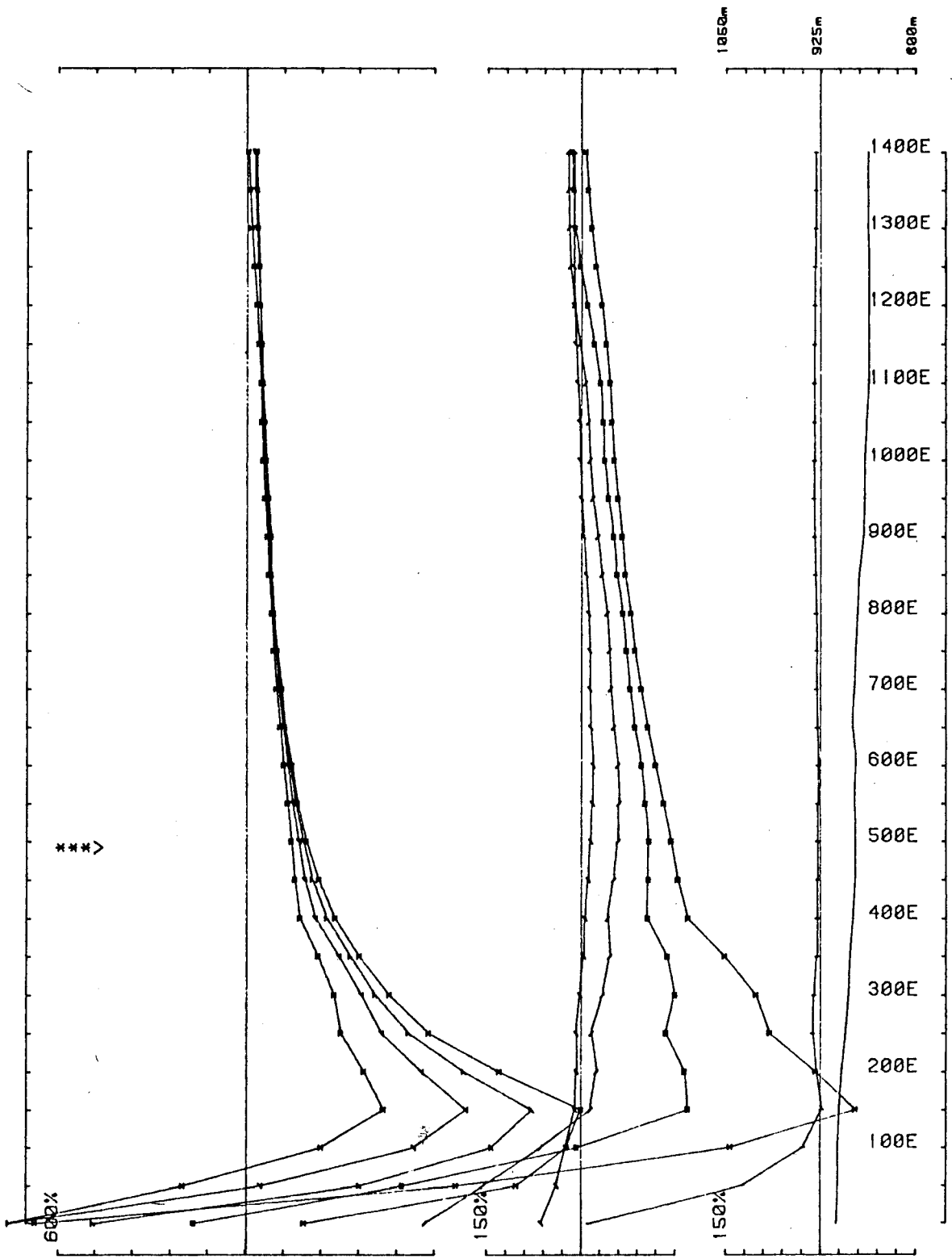
Area FIN 6-AUG-82 RECONNAISSANCE COMINCO operator JUL&AOH freq(hz) 30'
 Loopno 0004 Line 2N component Hz secondary Ch 1 normalized



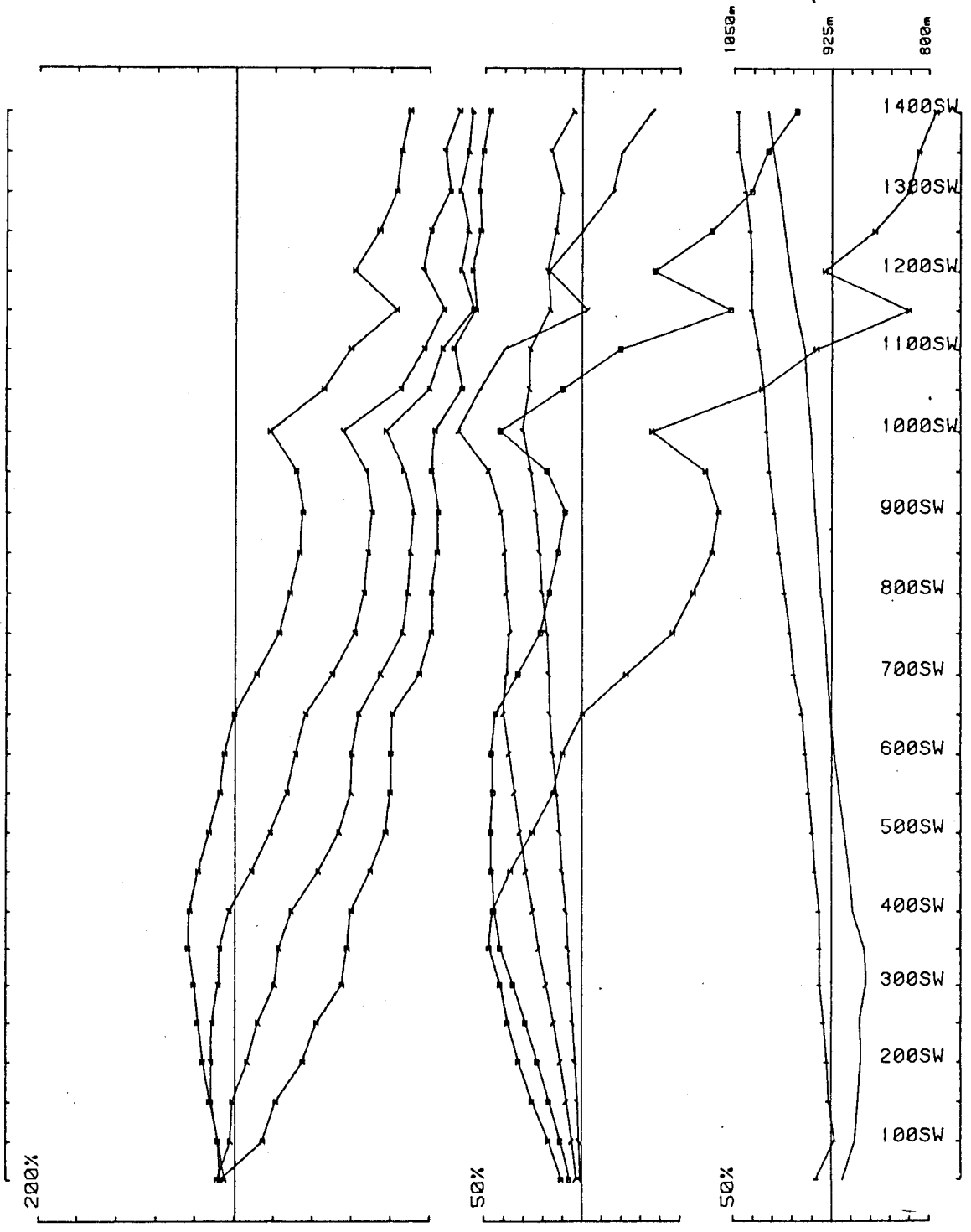
Area FIN 6-AUG-82 RECONNAISSANCE COMINCO operator JUL&AOH freq(hz) 30'
 Loopno 0004 Line 2N component Hz secondary primary field normalized



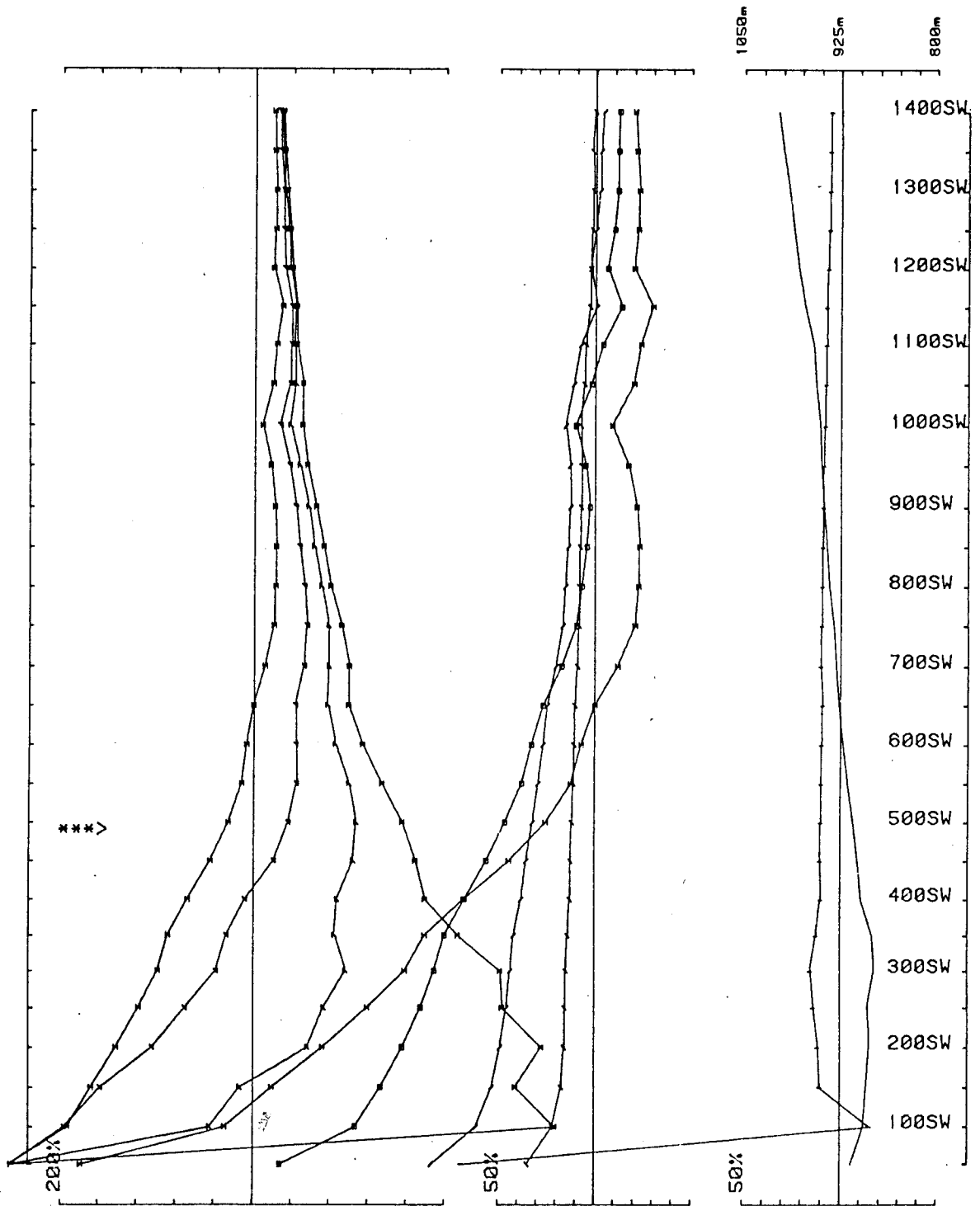
Area FIN 6-AUG-82 RECONNAISSANCE COMINCO operator JJL&AOH freq(hz) 30'
 Loopno 0004 Line 2N component Hz secondary Ch I normalized



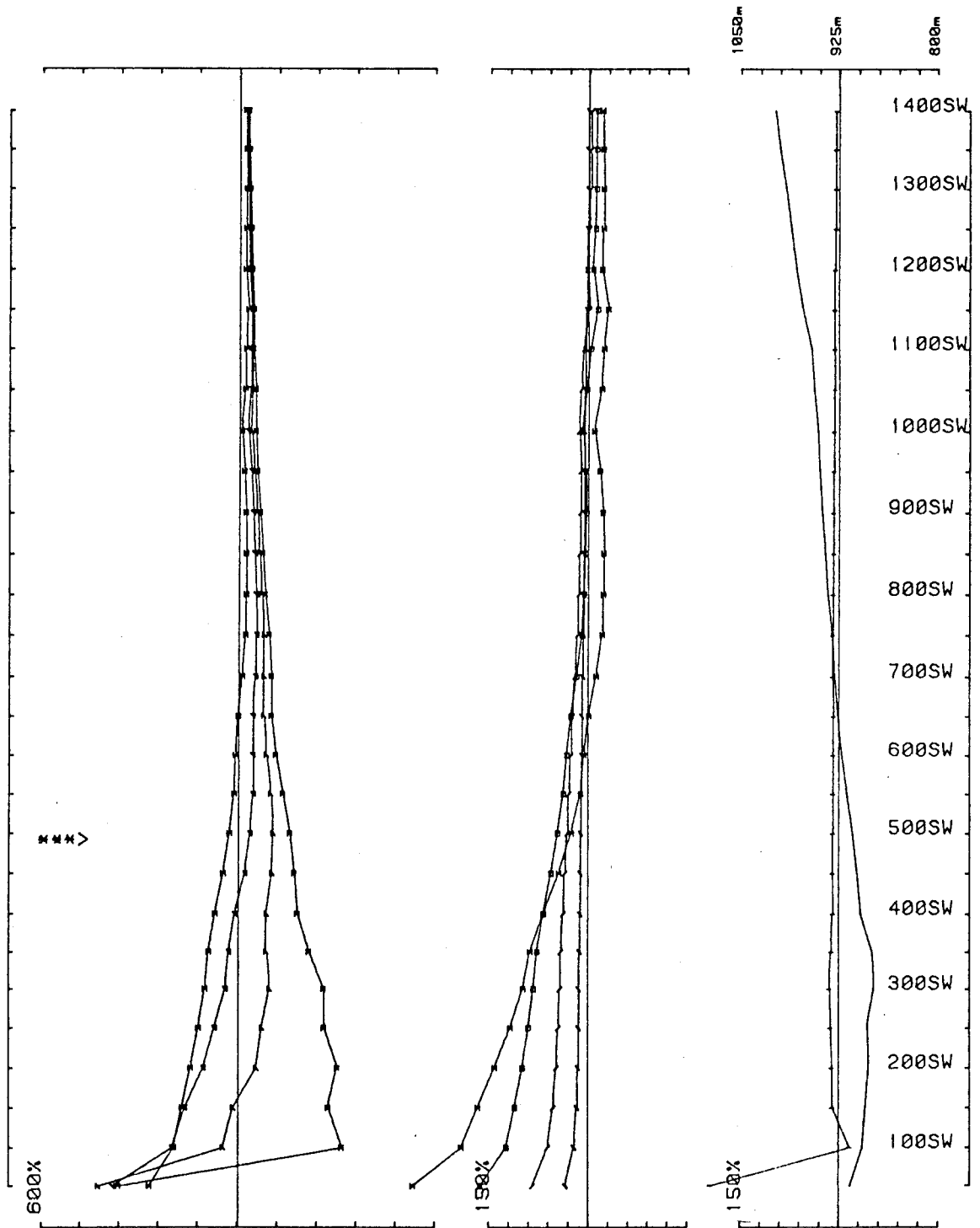
Area FIN 6-AUG-82 RECONNAISSANCE COMINCO operator JJL&AOH freq(hz) 30'
 Loopno 0004 Line 2N component Hz secondary Ch 1 normalized



Area FIN 7-AUG-82 Cominco operator JJL&AOH freq(hz) 30.974
 Loopno 0003 Line 3SE component Hz secondary Ch 1 normalized



Area FIN 7-AUG-82 Cominco operator JJL&AOH freq(hz) 30.974
 Loopno 0003 Line 3SE component Hz secondary Ch 1 normalized



Area FIN 7-AUG-82 Cominco operator JUL&AOH freq(hz) 30.974
 Loopno 0003 Line 3SE component Hz secondary Ch 1 normalized

IN THE MATTER OF THE YUKON MINERAL ACT
AND IN THE MATTER OF A GEOPHYSICAL PROGRAMME
CARRIED OUT ON THE FIN CLAIMS
LOCATED 185 KM. N. OF WATSON LAKE
IN THE YUKON TERRITORY, MORE PARTICULARLY
N.T.S. 105-H/12

S T A T E M E N T

I, Jules J. Lajoie of the City of West Vancouver in the Province of British Columbia, make oath and say:

1. THAT I am employed as a geophysicist by Cominco Ltd. and, as such have a personal knowledge of the facts to which I hereinafter depose;
2. THAT annexed hereto and marked as "Exhibit A", to this statement is a true copy of expenditures incurred on a geophysical survey on the FIN mineral claims;
3. THAT the said expenditures were incurred between July 23rd and August 9th, 1982, for the purpose of mineral exploration on the above-mentioned claims.

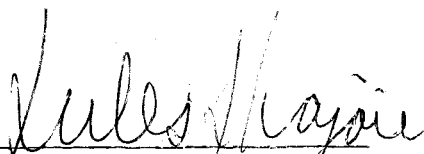

Jules J. Lajoie, Ph.D., P.Eng.
Geophysicist, Cominco Ltd.

EXHIBIT "A"

STATEMENT OF EXPENDITURES (1982)

FIN PROPERTY

FIN CLAIMS: 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 21, 22,
23, 24, 25, 26, 27, 28, 29, 30, 31, 32,
33, 34, 35, 37, 39, 40, 41, 43, 224,
225, 226, 274, 280 and 282

SALARIES

a)	Dr. J.J. Lajoie, Senior Geophysicist, Cominco Ltd., 18 days @ \$245/day	\$ 4,410.00	
b)	A. P. O'Hara, Summer Geophysicist, Cominco Ltd., 18 days @ \$135/day	2,430.00	
c)	G. E. Lillos, Assistant, Cominco Ltd., 10 days @ \$135/day	1,350.00	\$ 8,190.00

EQUIPMENT RENTAL - UTEM

Travel & Standby	7 days @ \$75/day	525.00	
Operating	11 days @ \$150/day	1,650.00	2,175.00

OPERATING DAY CHARGES

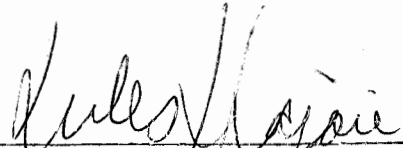
11 days @ \$250/day	2,750.00
---------------------	----------

EXPENSE ACCOUNTS

J.J. Lajoie	\$ 584.50	
A.P. O'Hara (incl. freight)	918.25	
G.E. Lillos	516.80	2,019.55

TOTAL \$ 15,134.55

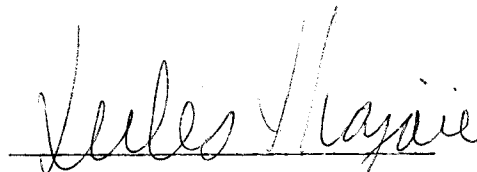
I certify this to be a true statement of expenditures for the UTEM geophysical survey on the FIN claims in 1982.


Jules J. Lajoie, Ph.D., P.Eng.
Geophysicist, Cominco Ltd.

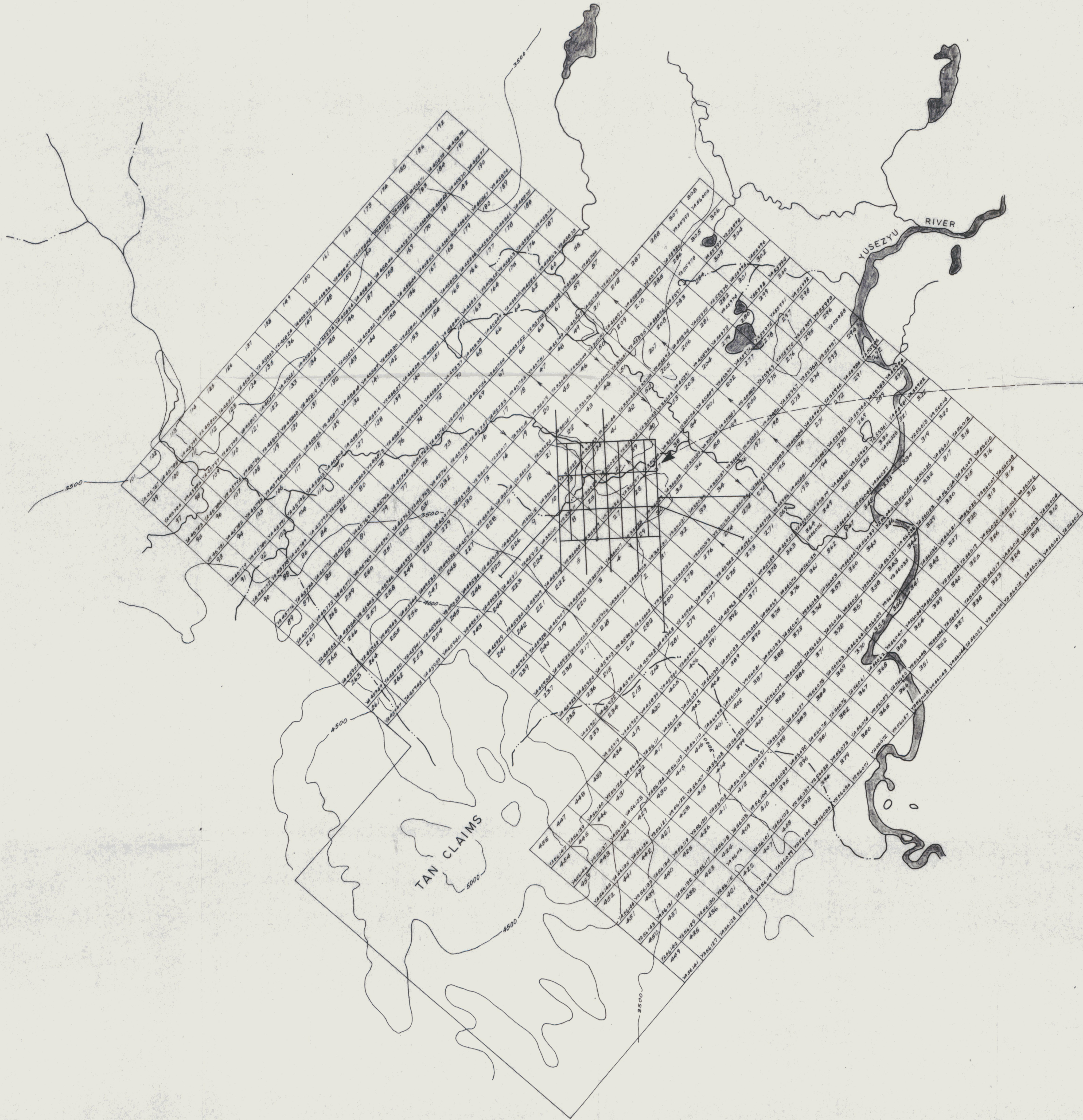
C E R T I F I C A T I O N

I, Jules J. Lajoie, of 5655 Keith Road, in the City of West Vancouver, in the Province of British Columbia, do hereby certify that:

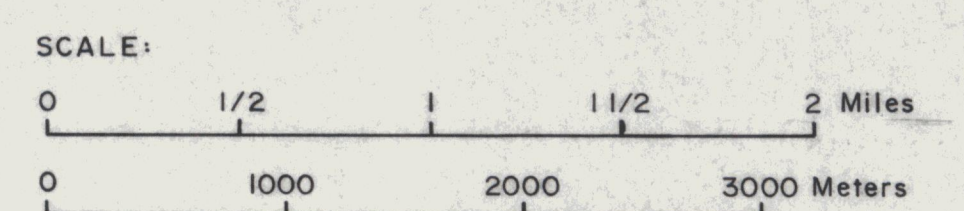
1. I graduated from the University of Ottawa in 1968 with an Honours B.Sc. in Physics, from the University of British Columbia in 1970 with a M.Sc. in Geophysics, and from the University of Toronto in 1973 with a Ph.D in Geophysics.
2. I am a registered member of the Association of Professional Engineers of the Province of British Columbia, the Society of Exploration Geophysicists, and the British Columbia Geophysical Society.
3. I have been practicing my profession for the past nine years.



Jules J. Lajoie, Ph.D., P.Eng.
Geophysicist, Cominco Ltd.



1982 UTM GRID



TO ACCOMPANY A REPORT BY J.J. LAJOIE Ph.D., R.Eng. *V. J. Lajoie*

Note repeat of claim names FIN 269 - FIN 282. These claims have been accepted in this form by the Watson Lake mining recorder, Patty McCloud, and are considered valid. Oct. 15, 1980.

091407		FIN PROPERTY		NTS 105H/12	
Drawn by:	Traced by: <i>J.M.</i>	UTEM SURVEY (1982) LINES ON			
Revised by:	Revised by:	THE FIN CLAIMS 1-455			
		WATSON LAKE M.D., B.C.			
		Scale: 1" = 1/2 mile	Date: DECEMBER 1982	Plate: 237-82-2	FORM 210-000



Axis of a cross-over anomaly. The number indicates the latest anomalous channel.
 Depth indicated by: S - Shallow (< 30m)
 M - Moderate (30-75m)
 D - Deep (> 75m)

Axis of reversed cross-over anomaly produced when a small conductor dips at less than 70° towards the transmitter. In normal cross-over the positive response is towards the transmitter; reversed one, it is away from the transmitter.

Indicates a negative anomaly of width shown by the dash. The latest anomalous channel is shown. Can sometimes be confused with the negative part of a cross-over anomaly.

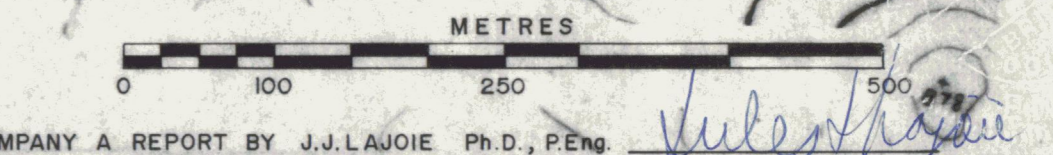
Outline of a transmitter loop.

Conductor axis located by cross-over anomalies with a conductance determination. The conductance is the interpreted conductivity x thickness of the conductor in mhos (same as Siemens).
 Only the principal cross-overs are indicated.

R1, R2, R3 RECONNAISSANCE LINES

UTEM Loop #
 Loop Number

RECONNAISSANCE MAPPING PENCIL MANUSCRIPT
 DATUM G.S.C. FLOWN IN 1948
 CONTOUR INTERVAL 10 Metres



TO ACCOMPANY A REPORT BY J.J. LAJOIE Ph.D., P.Eng.

FIN GROUP

UTEM COMPILATION MAP 091407

WATSON LAKE M.D., YUKON

Scale: 1: 5,000 Date: DECEMBER 1982 Plate: 237-82-3