

Ministère des Richesses Naturelles, Québec  
SERVICE DE LA  
DOCUMENTATION TECHNIQUE

Date: 21 AVR 1978  
No GM: 33386

QUEBEC UNGAVA MINING  
NEW QUEBEC, CANADA  
MAP OF CLAIM HOLDINGS, OCT 76

H.E. NEAL AND ASSOCIATES LTD.  
TORONTO CANADA  
SCALE IN MILES  
1 2 0 1 2 1 1 2

69° 10'

69° 05'

TWP. 5047

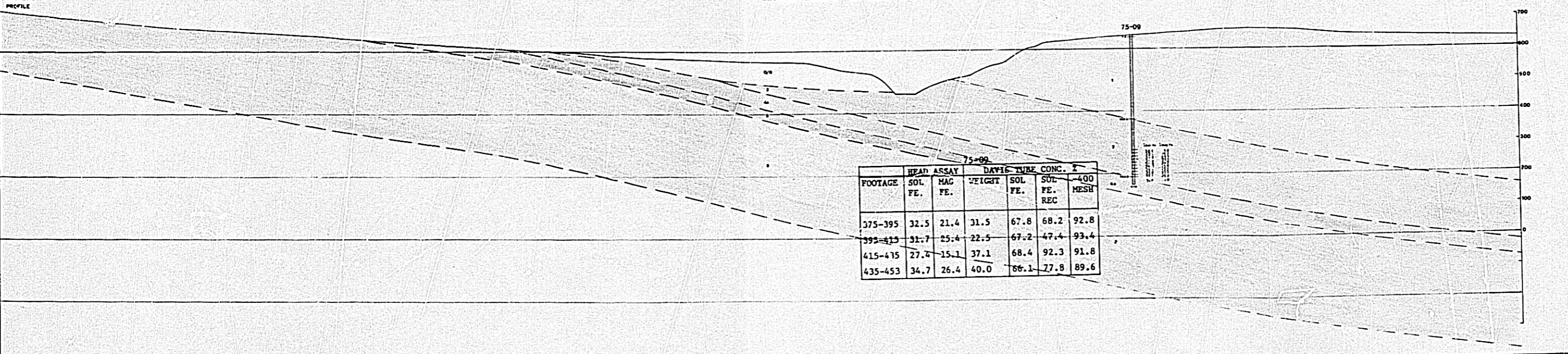
TWP. 5048

68° 55'

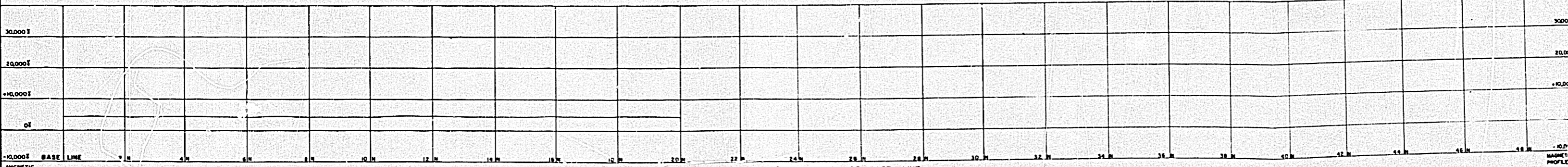
68° 50'



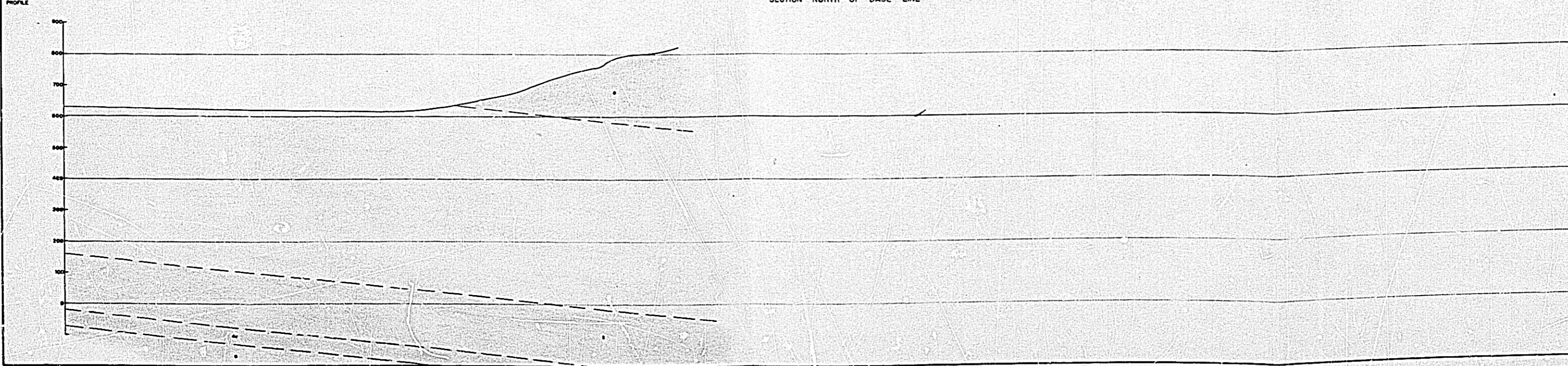
SECTION SOUTH OF BASE LINE



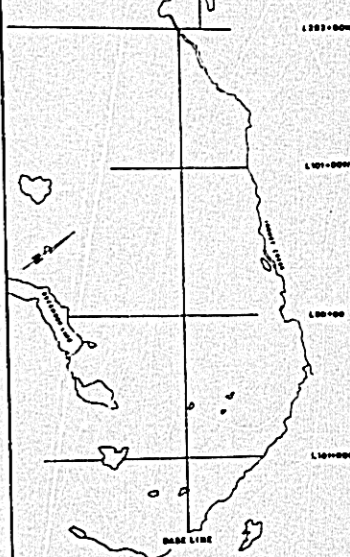
FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL. FE.	MAG. FE.	WEIGHT	SOL. FE.	SOL. FE. REC.	400 MESH
375-395	32.5	21.4	31.5	67.8	68.2	92.8
395-415	31.7	25.4	22.5	67.2	47.4	93.4
415-415	27.4	15.1	37.1	68.4	92.3	91.8
435-453	34.7	26.4	40.0	66.1	77.8	89.6



SECTION NORTH OF BASE LINE



INDEX MAP  
L 243 W



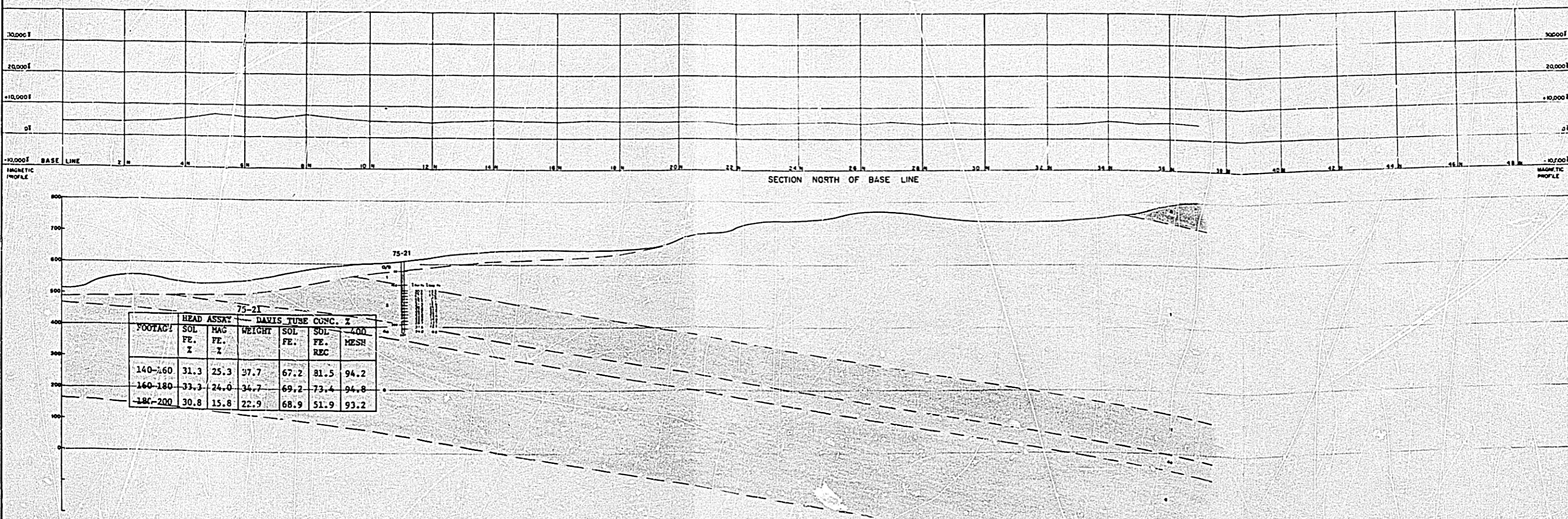
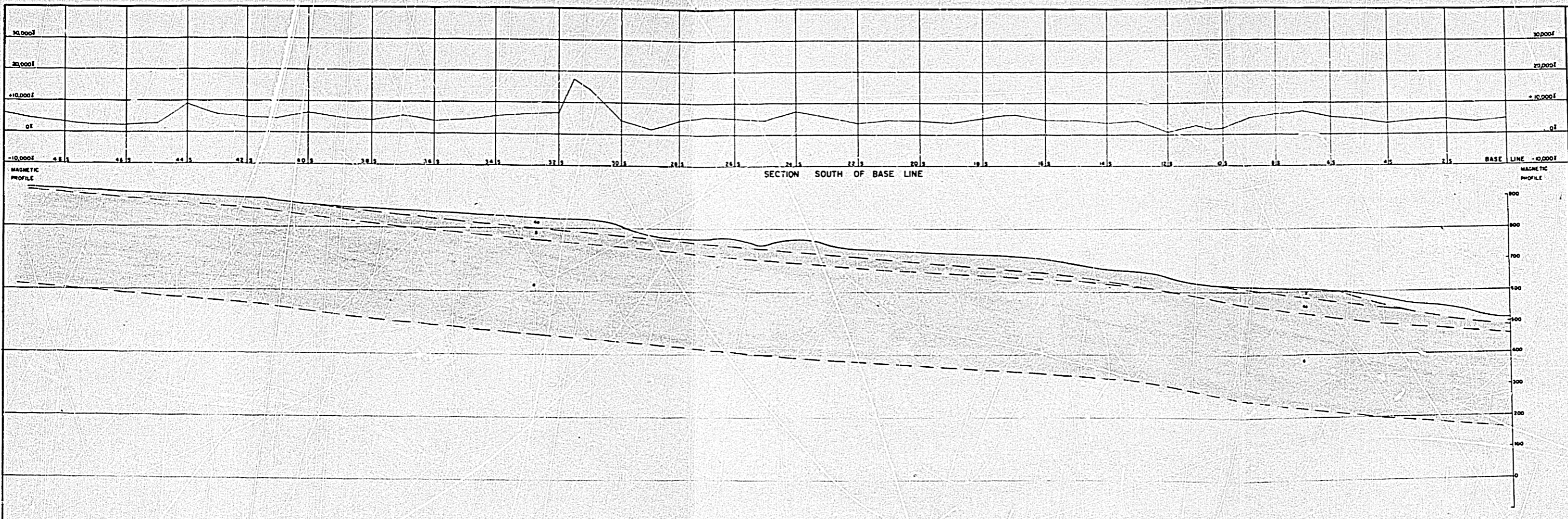
LEGEND

- 0 SLATE
- 1 CHERTY CARBONATE IRON FORMATION (Maj. intruded)
- 2 CHERTY MAGNETITE IRON FORMATION (Maj. Lash chert)
- 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
- 4 UPPER JASPER HEMATITE IRON FORMATION (Maj. hematite enriched, Maj. magnetite enriched)
- 5 JASPER CARBONATE
- 6 CHERTY METALLIC IRON FORMATION
- 7 LOWER JASPER HEMATITE IRON FORMATION

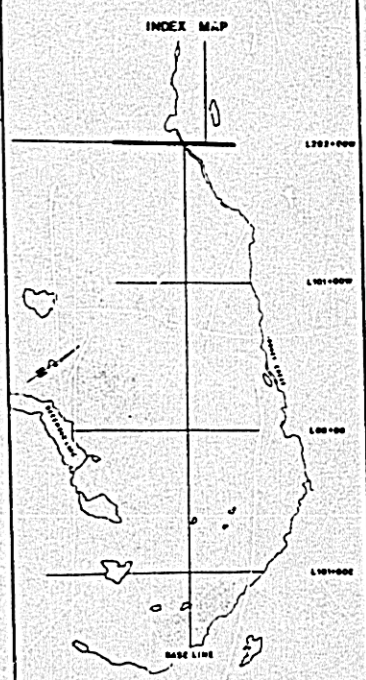
GM-33386

19x11  
**QUEBEC LINGAVA MINING**  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
**GEOLOGICAL CROSS SECTION**  
 WEST MAIN ZONE  
 SECTION L 243-00 W LOOKING WEST

SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY: MDS  
 APPROVED BY: H.E.N.  
 DRAFTER NO.:  
 DATE: 79-01-27  
 FCB/27

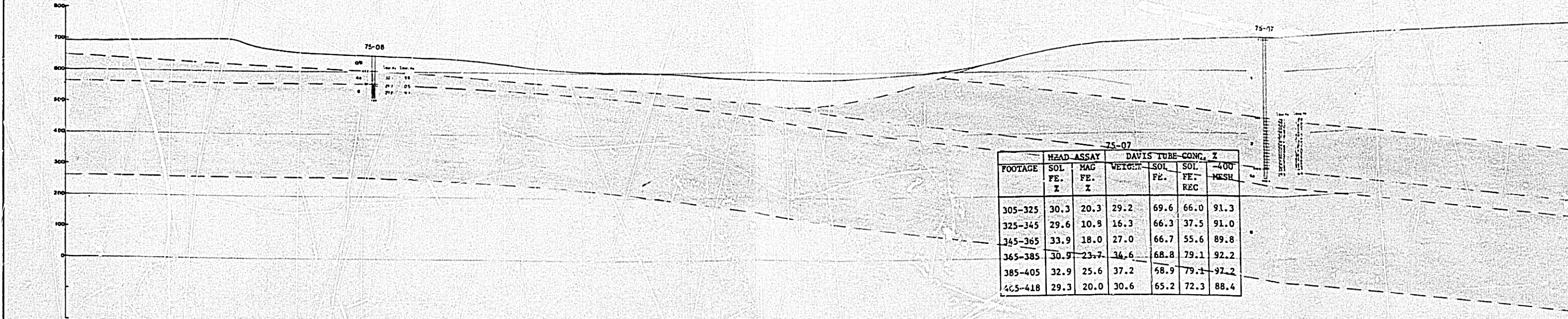
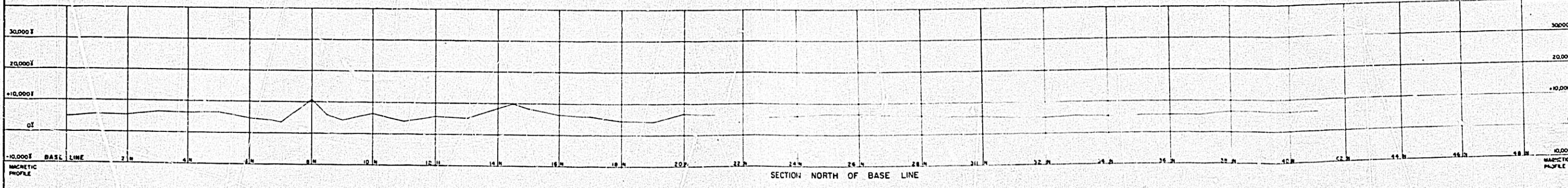
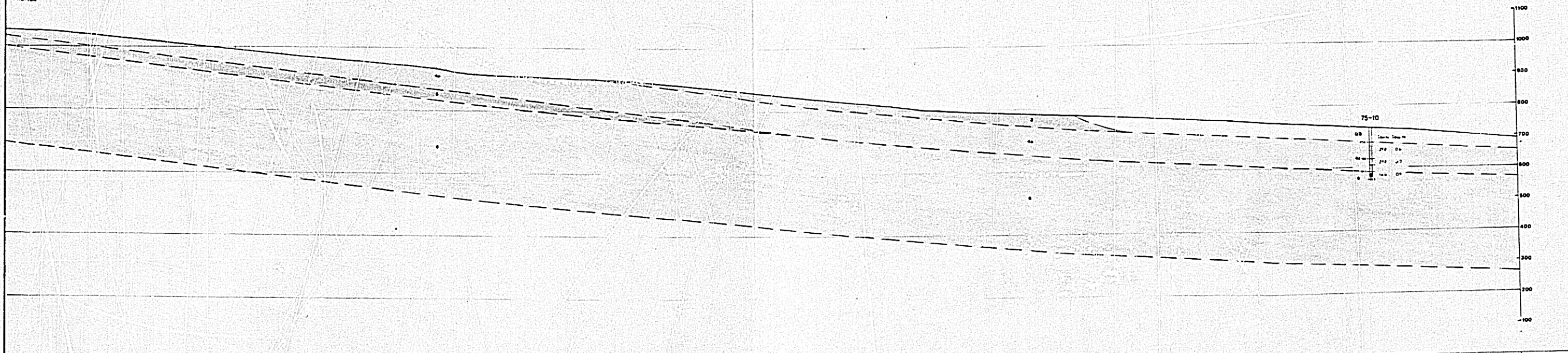
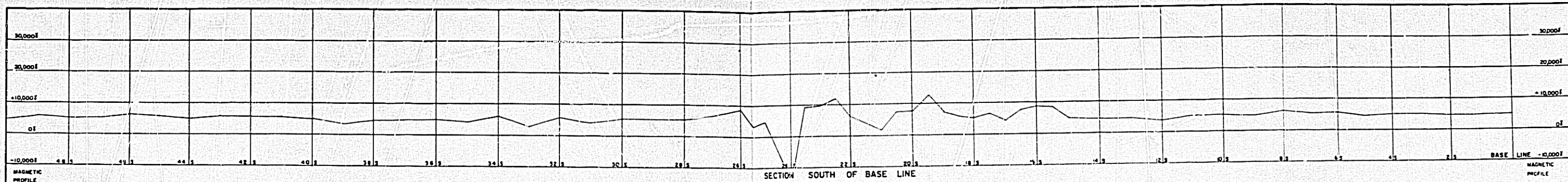


FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL. FE. %	HAG. FE. %	WEIGHT	SOL. FE. REC.	SOL. FE. REC.	400 MESH
140-160	31.3	25.3	37.7	67.2	81.5	94.2
160-180	33.3	24.0	34.7	69.2	73.4	94.8
180-200	30.8	15.8	22.9	68.9	51.9	93.2

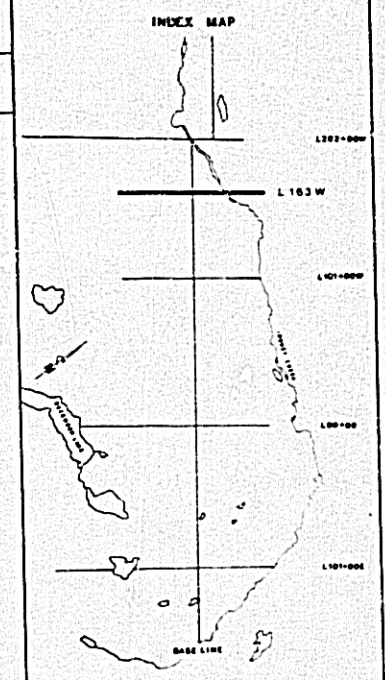


- LEGEND**
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION (Unintruded)
  - 2 CHERTY MAGNETITE IRON FORMATION (220' Long strip)
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION (Mag. hematite enriched / Mag. magnetite enriched)
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
**GEOLOGICAL CROSS SECTION**  
 WEST MAIN ZONE  
 SECTION L202-00W LOOKING WEST  
 SCALE IN FEET  
 H. E. NEAL & ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY: HOS  
 APPROVED BY: HEN  
 DATING NO.: 75-01-28  
 DATE: JAN 77



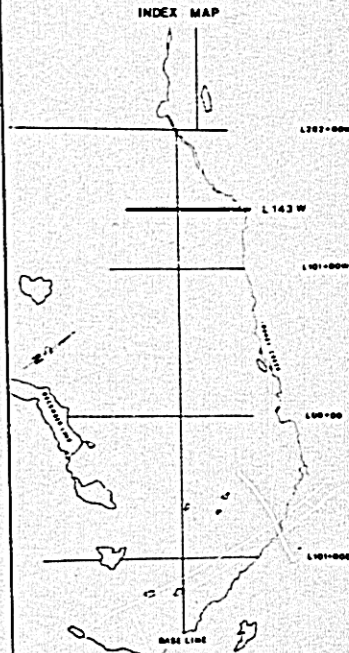
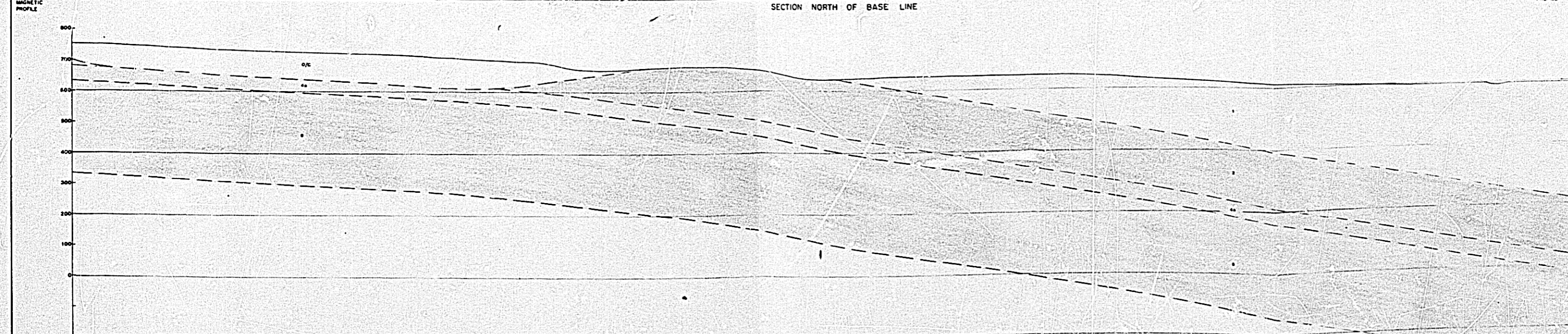
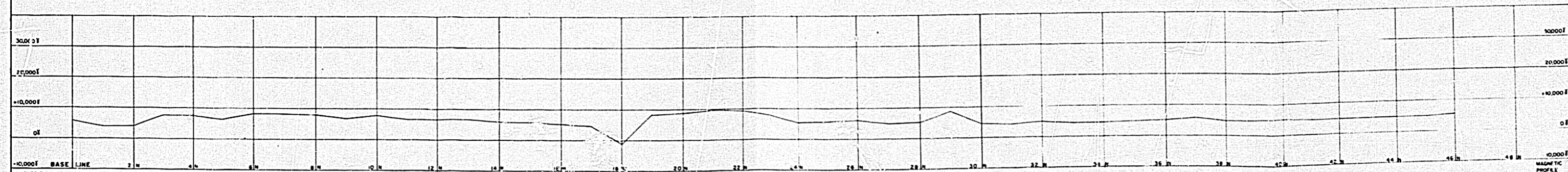
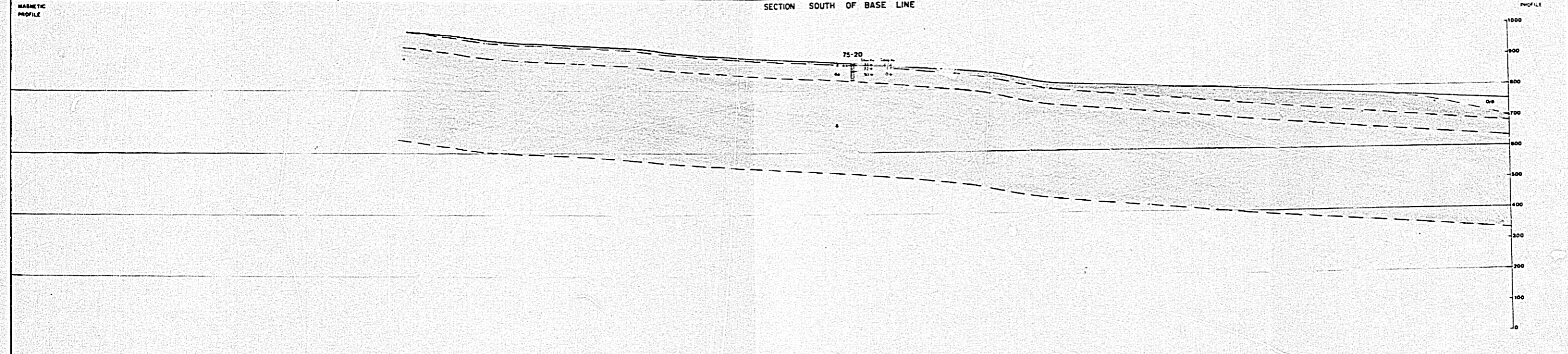
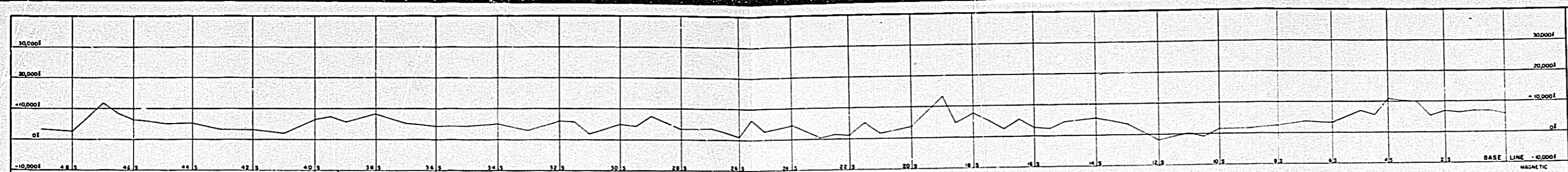
FOOTAGE	HEAD ASSAY		DAVIS TUBE-CONG. %		
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. REC	SOL -400 MESH
305-325	30.3	20.3	29.2	69.6	91.3
325-345	29.6	10.9	16.3	66.3	37.5
345-365	33.9	18.0	27.0	66.7	55.6
365-385	30.9	23.7	34.6	68.8	79.1
385-405	32.9	25.6	37.2	68.9	79.1
405-418	29.3	20.0	30.6	65.2	72.3



- LEGEND**
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION (a) intruded
  - 2 CHERTY MAGNETITE IRON FORMATION (a) of Leach chert
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION (a) hematite enriched (b) magnetite enriched
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

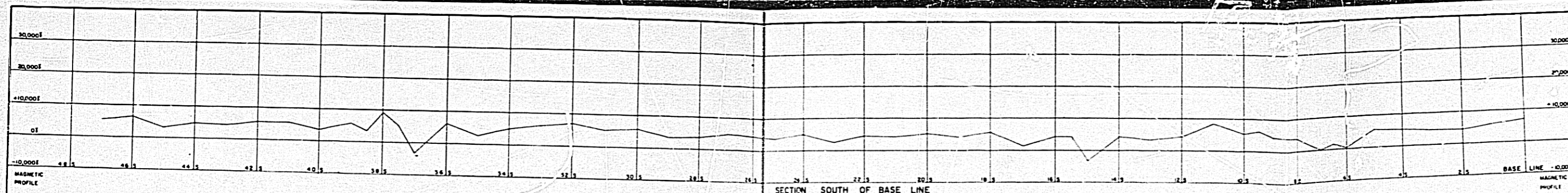
**QUEBEC UNGAVA MINING**  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
**GEOLOGICAL CROSS SECTION**  
 WEST MAIN ZONE  
 SECTION L 163 00 W LOOKING WEST  
 SCALE IN FEET

H E REAL AND ASSOCIATES LTD  
 TORONTO CANADA  
 DRAWN BY: MDS DRYING NO: 75-01-28 DATE: 11/8/77  
 APPROVED BY: HEM



- LEGEND**
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION (incl. intruded)
  - 2 CHERTY MAGNETITE IRON FORMATION (incl. low chert)
  - 3 SERPENTINE-CARBONATE VOLCANIC MELTS
  - 4 UPPER JASPER HEMATITE IRON FORMATION (incl. hematite enriched / incl. magnetite enriched)
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

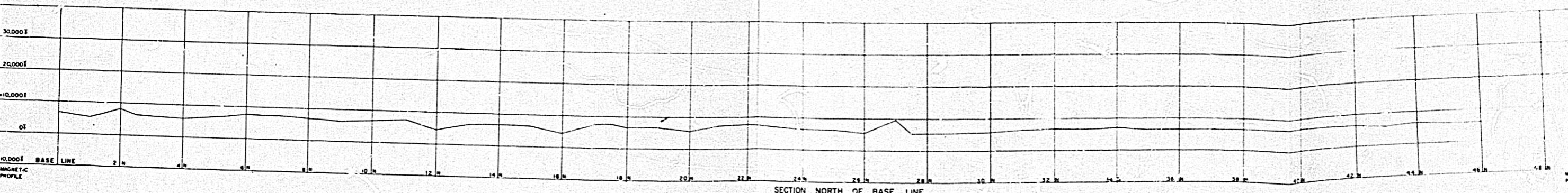
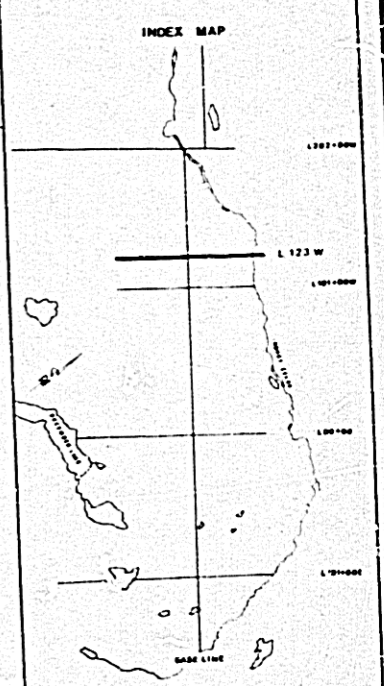
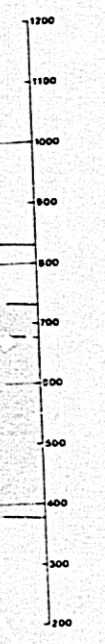
QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUILMIS CANADA  
 GEOLOGICAL CROSS SECTION  
 WEST MAIN ZONE  
 SECTION L143+00W LOOKING WEST  
 SCALE 1:5000  
 H. E. NEAL AND ASSOCIATES LTD  
 TORONTO CANADA  
 DRAWN BY MDS EMPLOYING NO. DATE  
 AP. INTD BY HEN PA. 11.26 1987



SECTION SOUTH OF BASE LINE

FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL. FE.	MAG. FE.	WEIGHT	SOL. FE.	SOL. FE. REC.	-400 MESH
45-65	33.9	25.9	37.4	69.3	78.8	91.8
65-85	30.7	16.7	23.8	69.4	54.3	91.8
85-101	30.8	21.4	33.7	63.4	71.7	89.2

75-11

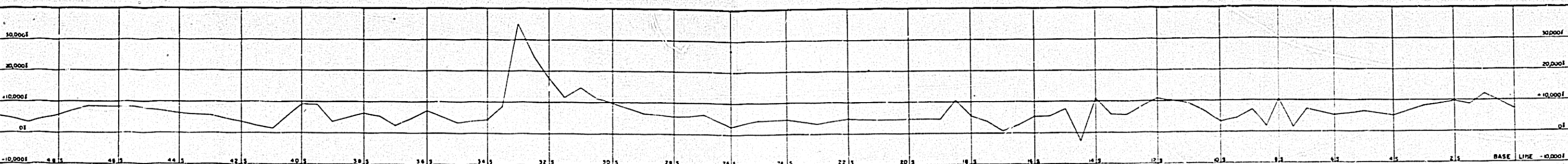


SECTION NORTH OF BASE LINE

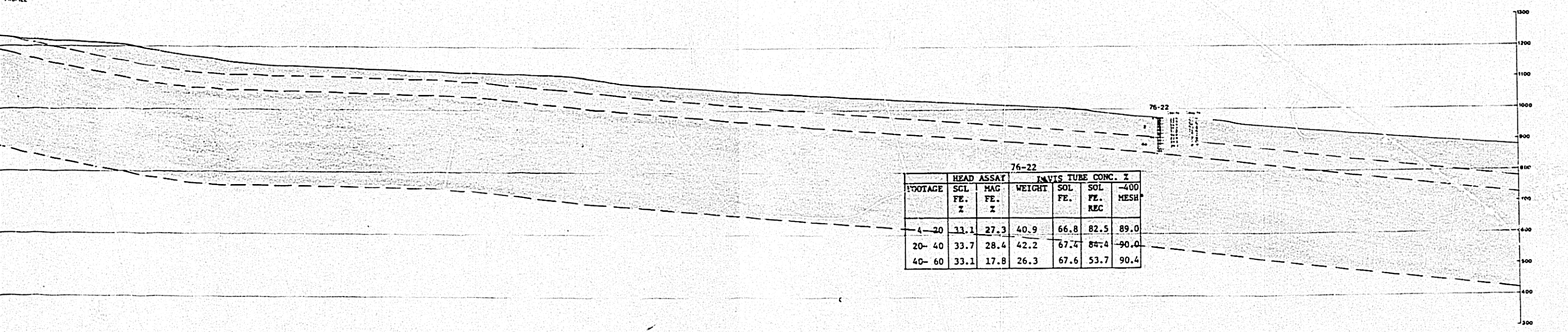
75-22

- LEGEND**
- 1 SLATE
  - 2 CHERTY CARBONATE IRON FORMATION (See Intruded)
  - 3 CHERTY MAGNETITE IRON FORMATION (Zoll von Craft)
  - 4 SEMI-IMPURE CARBONATE VOLCANIC ROCKS
  - 5 JASPER CARBONATE
  - 6 JASPER METALLIC IRON FORMATION (See Jasper Hematite Iron Formation)
  - 7 LIMON. JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
KANIAPISKAU PROPERTY  
NEE OUBLET CANADA  
GEOLOGICAL CROSS SECTION  
WEST MAIN ZONE  
SECTION L123-00 W LOOKING WEST  
SCALE 1:2500  
H. E. NEAL AND ASSOCIATES LTD  
TORONTO CANADA  
DRAWN BY: MDS DATE: 76.11.23  
APPROVED BY: JEN DATE: 76.11.23

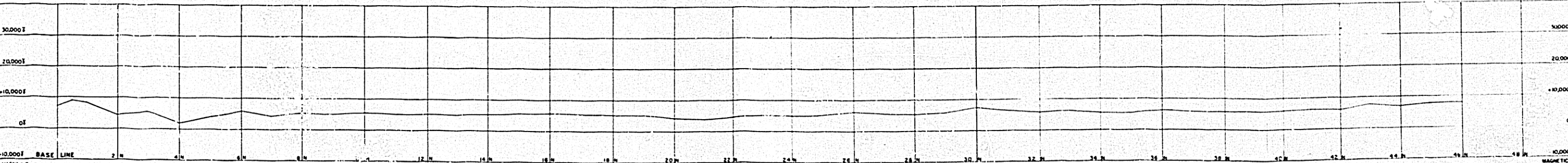


SECTION SOUTH OF BASE LINE

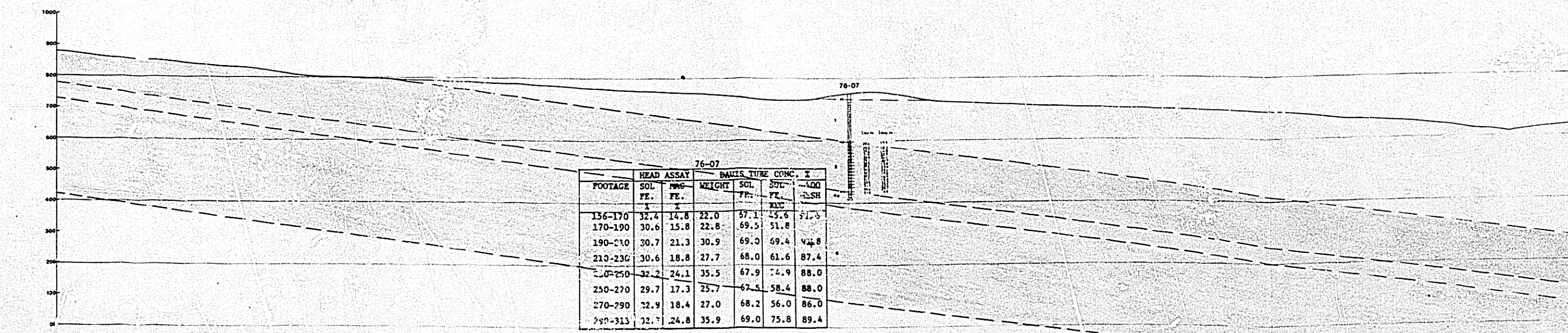


76-22

FOOTAGE	HEAD ASSAY		WEIGHT	ANALYTICAL CONC. %		
	SOL. FE. %	MAG. FE. %		SOL. FE. REC.	SOL. FE. REC.	-400 MESH
4-20	33.1	27.3	40.9	66.8	82.5	89.0
20-40	33.7	28.4	42.2	67.4	84.4	90.0
40-60	33.1	17.8	26.3	67.6	53.7	90.4

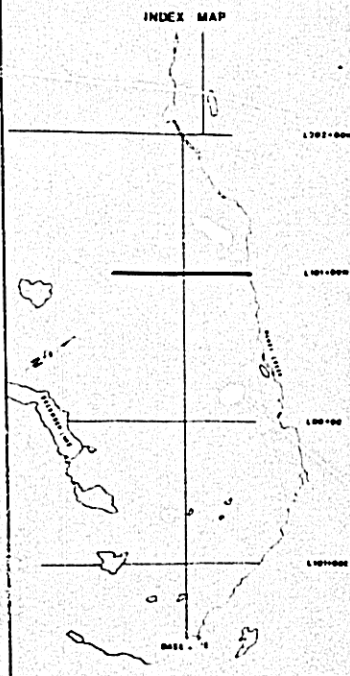


SECTION NORTH OF BASE LINE



76-07

FOOTAGE	HEAD ASSAY		WEIGHT	ANALYTICAL CONC. %		
	SOL. FE. %	MAG. FE. %		SOL. FE. REC.	SOL. FE. REC.	-400 MESH
136-170	32.4	14.8	22.0	67.1	45.6	51.5
170-190	30.6	15.8	22.8	69.5	51.8	
190-210	30.7	21.3	30.9	69.0	69.4	74.8
210-230	30.6	18.8	27.7	68.0	61.6	87.4
230-250	32.2	24.1	35.5	67.9	74.9	88.0
250-270	29.7	17.3	25.7	67.5	58.4	88.0
270-290	32.9	18.4	27.0	68.2	56.0	86.0
290-313	32.7	24.8	35.9	69.0	75.8	89.4

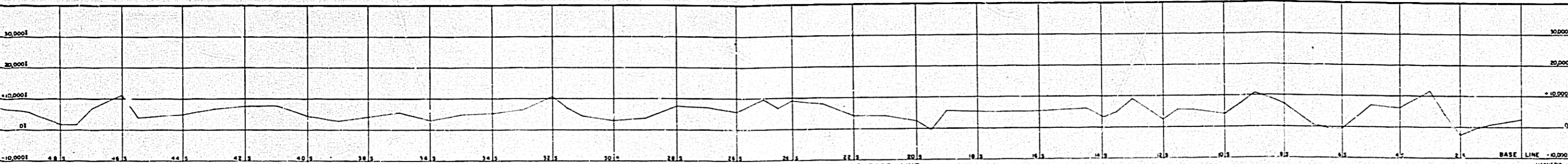


- LEGEND
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION (No) intruded
  - 2 CHERTY MAGNETITE IRON FORMATION (No) Layer chert
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION (No) hematite nodules (No) magnetite nodules
  - 5 JASPER CARBONATE
  - 6 CHERTY METALIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

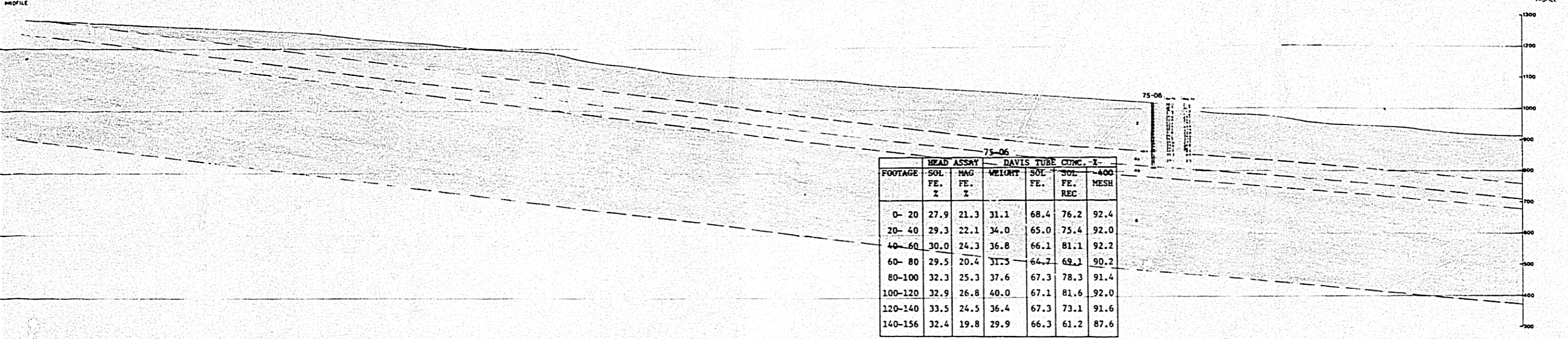
QUEBEC UNGAVA MINING  
KANAPISKAU PROPERTY  
NEW QUEBEC CANADA

GEOLOGICAL CROSS SECTION  
WEST MAIN ZONE  
SECTION 100+00 W LOOKING WEST  
SCALE IN FEET

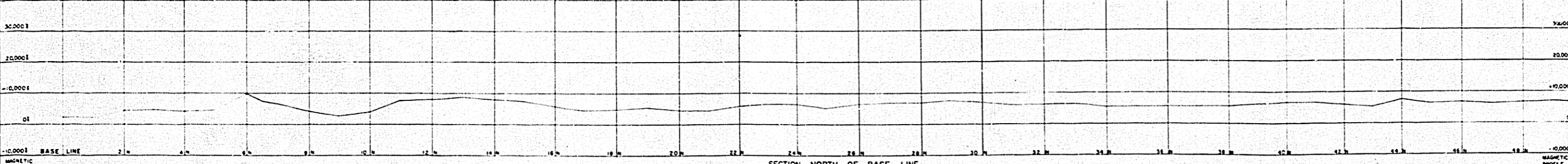
H. E. NEAL AND ASSOCIATES LTD  
TORONTO CANADA  
DRAWN BY: MDS DRAFTER NO: DATE  
APPROVED BY: HEN 74-01-22 FEB/77



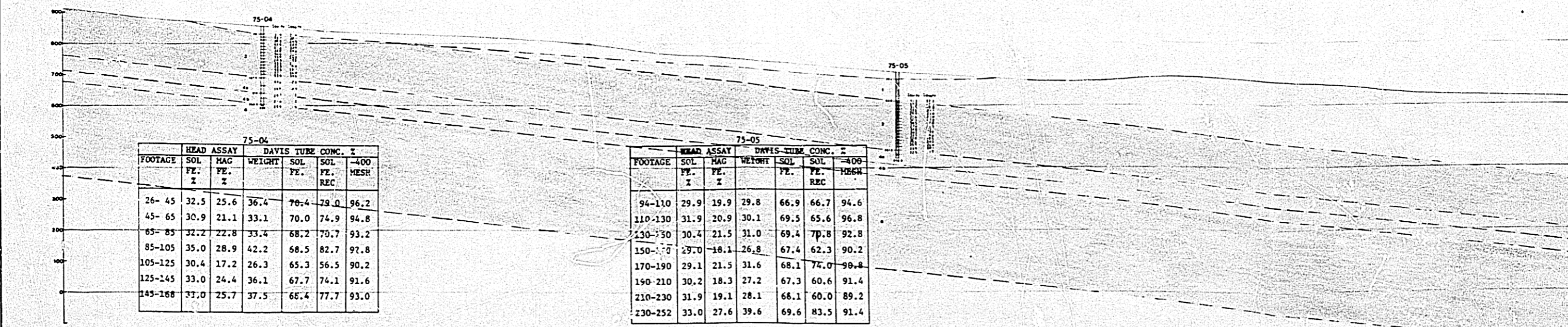
SECTION SOUTH OF BASE LINE



FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE.	SOL FE. REC.	-400 MESH
0-20	27.9	21.3	31.1	68.4	76.2	92.4
20-40	29.3	22.1	34.0	65.0	75.4	92.0
40-60	30.0	24.3	36.8	66.1	81.1	92.2
60-80	29.5	20.4	31.5	64.7	69.1	90.2
80-100	32.3	25.3	37.6	67.3	78.3	91.4
100-120	32.9	26.8	40.0	67.1	81.6	92.0
120-140	33.5	24.5	36.4	67.3	73.1	91.6
140-156	32.4	19.8	29.9	66.3	61.2	87.6

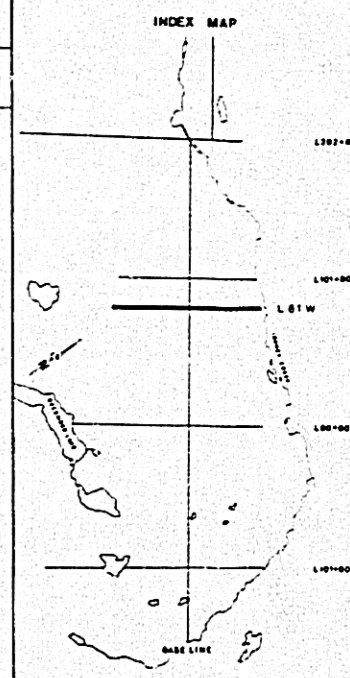


SECTION NORTH OF BASE LINE



FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE.	SOL FE. REC.	-400 MESH
26-45	32.5	25.6	36.4	76.4	79.0	96.2
45-65	30.9	21.1	33.1	70.0	74.9	94.8
65-85	32.2	22.8	33.4	68.2	70.7	93.2
85-105	35.0	28.9	42.2	68.5	82.7	92.8
105-125	30.4	17.2	26.3	65.3	56.5	90.2
125-145	33.0	24.4	36.1	67.7	74.1	91.6
145-168	33.0	25.7	37.5	66.4	77.7	93.0

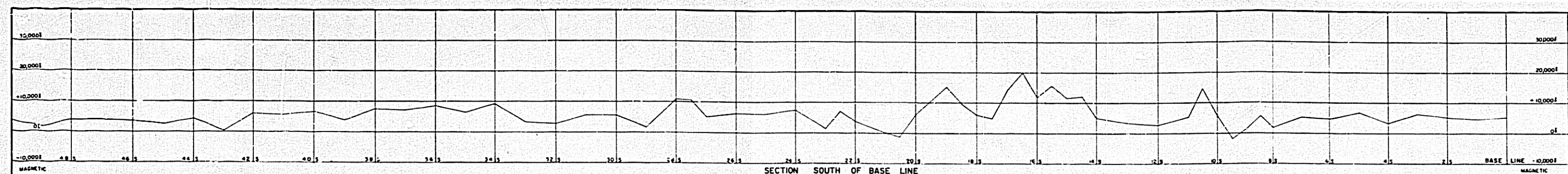
FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE.	SOL FE. REC.	-400 MESH
94-110	29.9	19.9	29.8	66.9	66.7	94.6
110-130	31.9	20.9	30.1	69.5	65.6	96.8
130-150	30.4	21.5	31.0	69.4	70.8	92.8
150-170	29.0	18.1	26.8	67.4	62.3	90.2
170-190	29.1	21.5	31.6	68.1	74.0	90.8
190-210	30.2	18.3	27.2	67.3	60.6	91.4
210-230	31.9	19.1	28.1	66.1	60.0	89.2
230-252	33.0	27.6	39.6	69.6	83.5	91.4



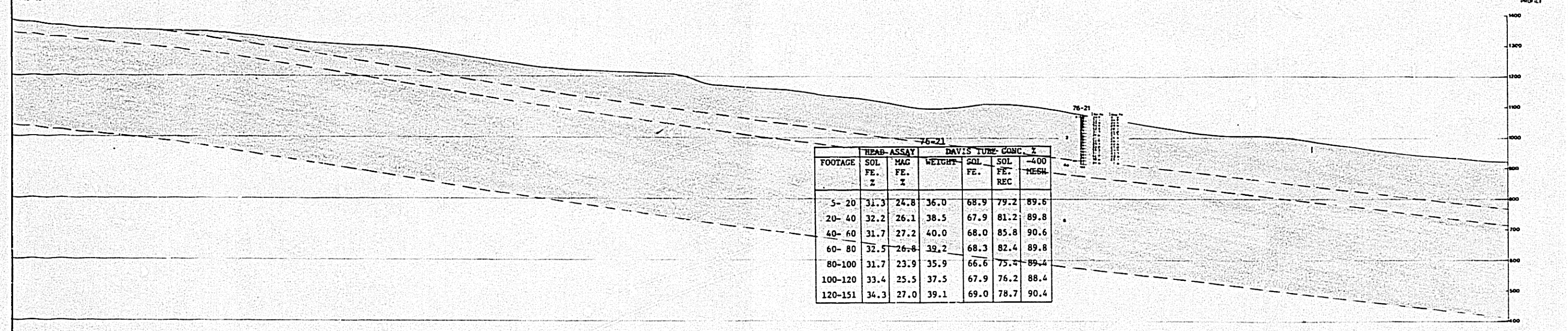
- LEGEND**
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION (see intrusions)
  - 2 CHERTY MAGNETITE IRON FORMATION (see L.B.1 W. chert)
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION (see sample numbers and magnetic profiles)
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
**GEOLOGICAL CROSS SECTION**  
 WEST MAIN ZONE  
 SECTION L.B.1-W.00W LOOKING WEST  
 SCALE = 1" = 100'  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY HCS DRAWING NO. DATE  
 APPROVED BY HEN 78-01-21 JAN 77

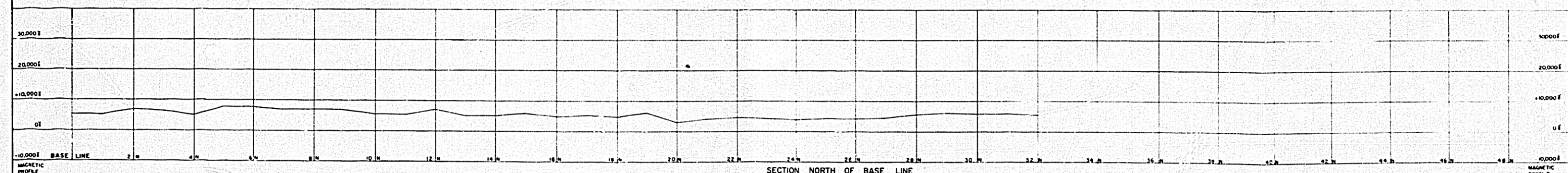
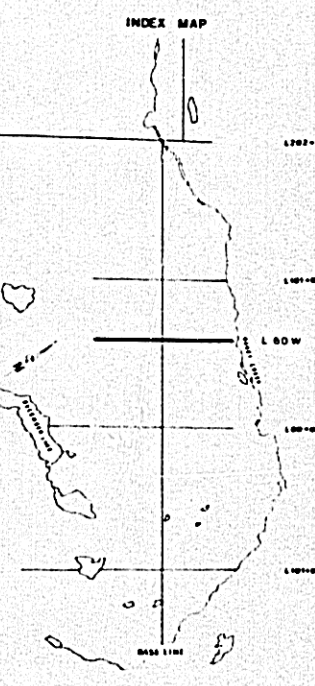




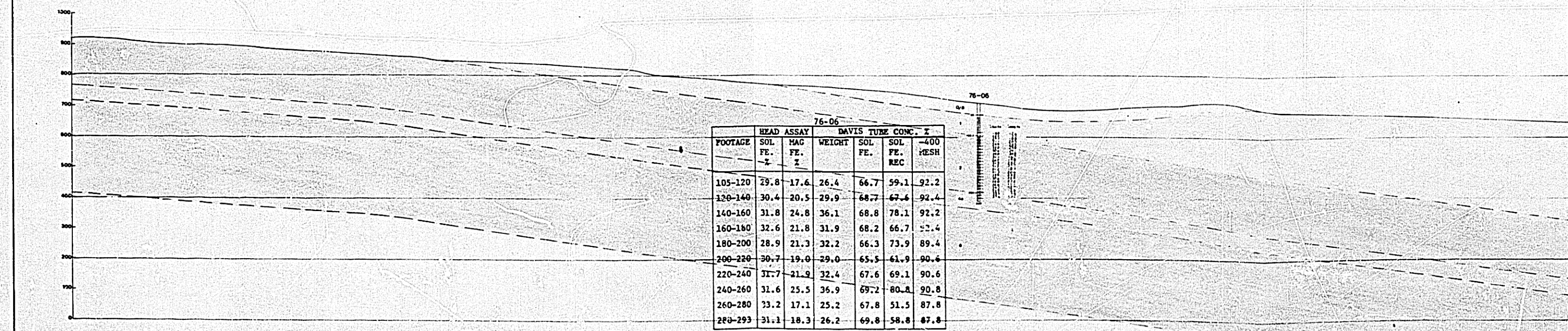
SECTION SOUTH OF BASE LINE



FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
5-20	31.3	24.8	36.0	68.9	79.2	89.6
20-40	32.2	26.1	38.5	67.9	81.2	89.8
40-60	31.7	27.2	40.0	68.0	85.8	90.6
60-80	32.5	26.8	39.2	68.3	82.4	89.8
80-100	31.7	23.9	35.9	66.6	75.4	89.4
100-120	33.4	25.5	37.5	67.9	76.2	88.4
120-151	34.3	27.0	39.1	69.0	78.7	90.4



SECTION NORTH OF BASE LINE



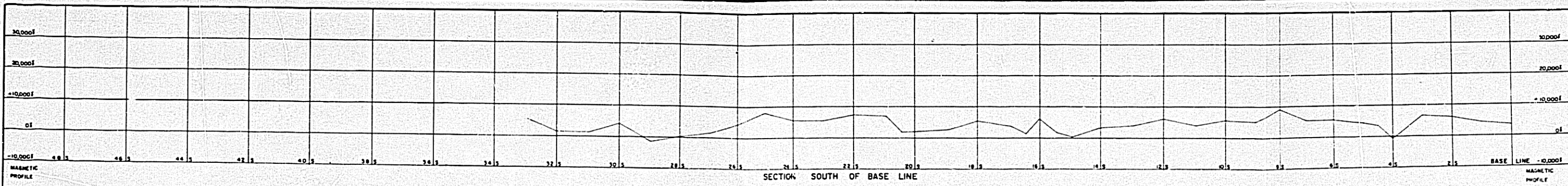
FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
105-120	29.8	17.6	26.4	66.7	59.1	92.2
120-140	30.4	20.5	29.9	68.7	67.6	92.4
140-160	31.8	24.8	36.1	68.8	78.1	92.2
160-180	32.6	21.8	31.9	68.2	66.7	92.4
180-200	28.9	21.3	32.2	66.3	73.9	89.4
200-220	30.7	19.0	29.0	65.5	61.9	90.6
220-240	31.7	21.9	32.4	67.6	69.1	90.6
240-260	31.6	25.5	36.9	69.2	80.8	90.8
260-280	33.2	17.1	25.2	67.8	51.5	87.8
280-293	31.1	18.3	26.2	69.8	58.8	87.8

LEGEND

- 0 SLATE
- 1 CHERTY CARBONATE IRON FORMATION (100-1500)
- 2 CHERTY MAGNETITE IRON FORMATION (200-1000)
- 3 SERPENTINE - CARBONATE VOLCANIC ROCKS
- 4 UPPER JASPER HEMATITE IRON FORMATION (100-1500)
- 5 JASPER CARBONATE
- 6 CHERTY METALLIC IRON FORMATION
- 7 LOWER JASPER HEMATITE IRON FORMATION

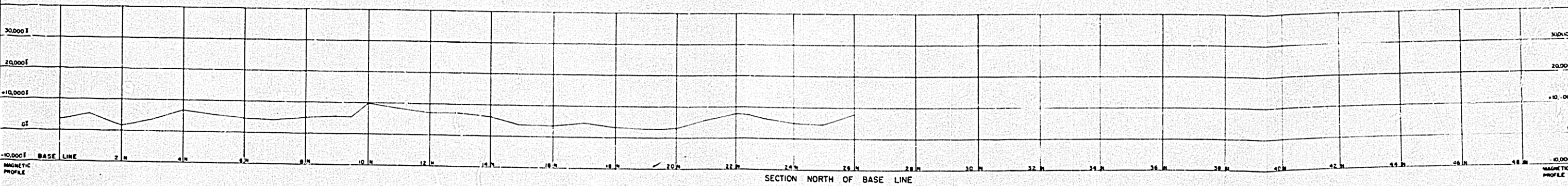
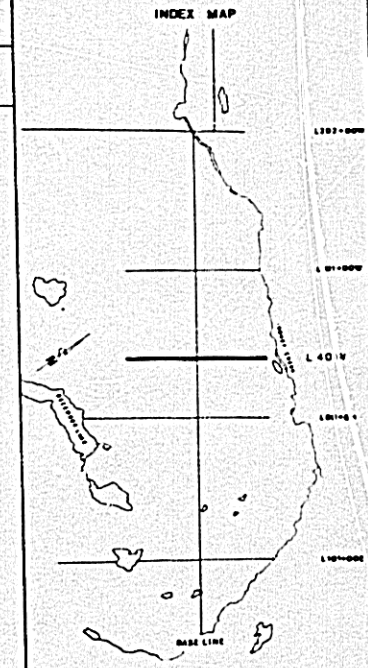
QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 WEST MAIN ZONE  
 SECTION L60-00W LOOKING WEST  
 SCALE IN FEET

H. E. NEAL AND ASSOCIATES LTD.  
 193010  
 DRAWN BY: MDS DRAWING NO: 78-01-20 DATE: DEC/78  
 APPROVED BY: MEN



SECTION SOUTH OF BASE LINE

FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. %	SOL FE. REC	-400 MESH
4-25	31.6	21.1	30.1	70.1	66.8	92.6
25-35	30.1	13.7	19.5	70.3	45.5	91.0
35-55	30.3	20.3	29.3	69.3	67.0	91.4
55-80	29.6	13.8	19.9	69.4	46.7	90.4
80-100	32.2	20.1	29.4	67.6	62.4	89.2
100-120	32.2	25.1	36.1	69.6	78.0	91.6
120-144	32.5	24.2	35.8	67.5	74.5	99.8



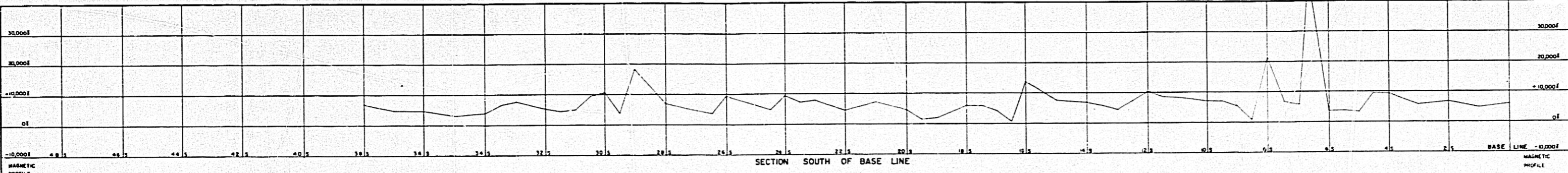
SECTION NORTH OF BASE LINE

FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. %	SOL FE. REC	-400 MESH
89-110	34.2	23.6	33.9	69.7	69.1	95.5
110-130	34.2	28.1	40.0	70.3	82.2	95.2
130-150	30.8	21.0	30.9	67.9	68.1	93.4
150-170	32.7	25.1	36.8	68.2	76.8	92.7
170-190	30.0	15.1	23.1	65.4	50.4	90.4
190-210	33.0	20.1	29.9	67.3	61.0	90.2
210-230	34.4	26.8	39.1	68.6	78.0	92.8
230-256	31.4	20.4	30.3	67.2	64.8	90.0

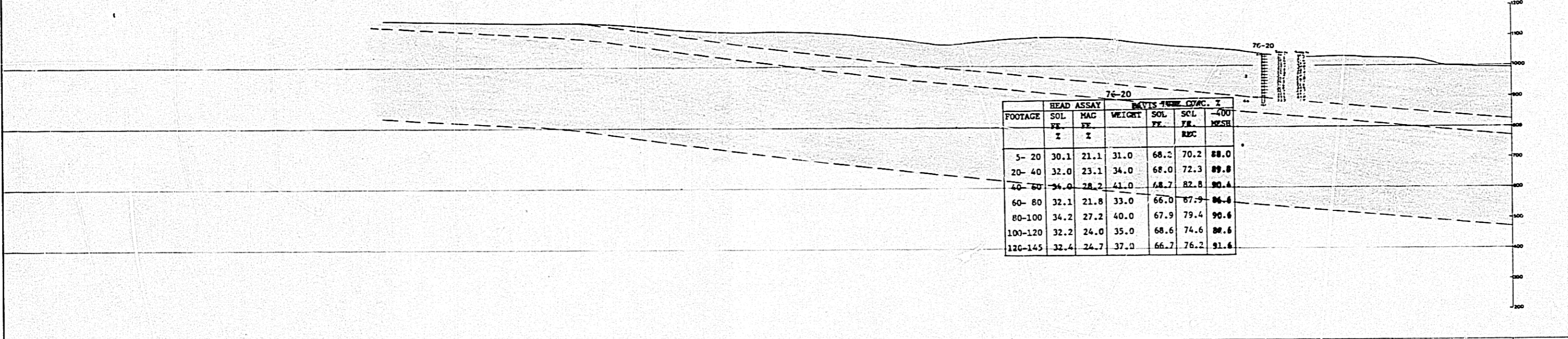
FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. %	SOL FE. REC	-400 MESH
106-120	31.8	23.0	33.0	69.7	72.3	98.3
120-140	33.1	25.5	36.8	69.4	77.2	96.4
140-160	31.4	23.2	33.1	70.0	73.8	93.6
160-180	29.8	21.6	32.1	67.2	72.4	93.9
180-200	32.9	22.6	34.1	66.2	68.6	93.5
200-220	29.5	18.8	29.0	64.9	63.8	92.6
220-240	30.9	16.8	26.0	64.5	54.3	90.0
240-266	32.5	24.7	38.0	65.1	76.1	93.6
260-280	33.7	27.1	39.6	68.4	80.4	93.0
280-300	29.6	22.1	33.8	65.5	74.8	93.0
300-319	26.1	17.2	25.3	67.8	65.7	87.6

- LEGEND**
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION
  - 2 CHERTY MAGNETITE IRON FORMATION
  - 3 SLAWENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

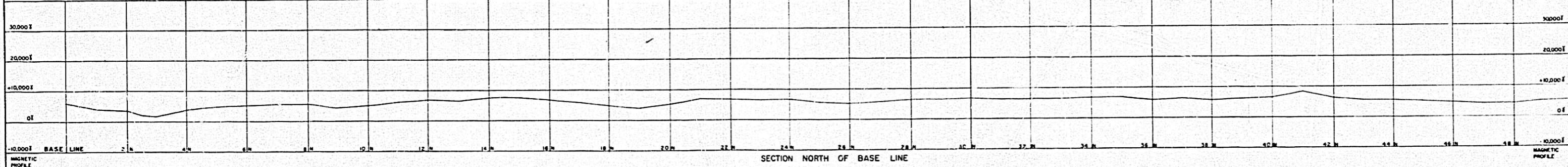
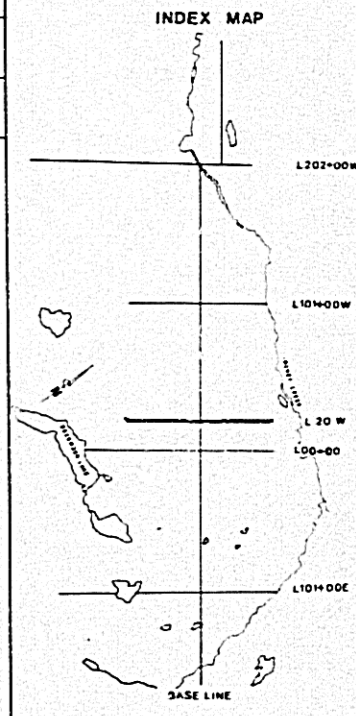
**QUEBEC UNGAVA MINING**  
 KANAPISKAU PROPERTY  
 NEW UNGAVA CANADA  
**GEOLOGICAL CROSS SECTION**  
 WEST MAIN ZONE  
 SECTION L40-00W LOOKING WEST  
 SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY MGS OPENING NO. 78-01-13 DATE DEC/78  
 APPROVED BY HEN



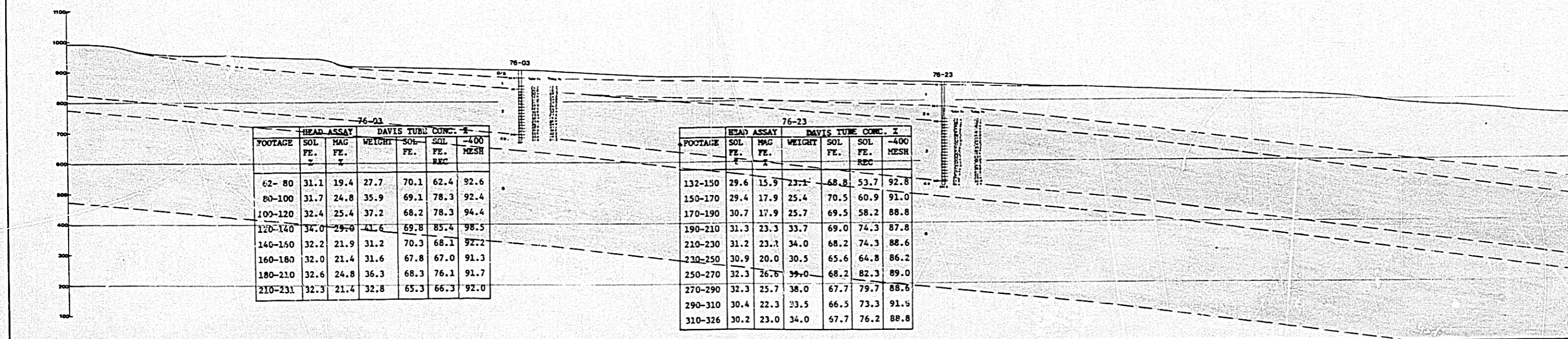
SECTION SOUTH OF BASE LINE



FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
5-20	30.1	21.1	31.0	68.2	70.2	88.0
20-40	32.0	23.1	34.0	68.0	72.3	89.8
40-60	34.0	28.2	41.0	68.7	82.8	90.4
60-80	32.1	21.8	33.0	66.0	67.9	86.6
80-100	34.2	27.2	40.0	67.9	79.4	90.6
100-120	32.2	24.0	35.0	68.6	74.6	88.6
120-145	32.4	24.7	37.0	66.7	76.2	91.6



SECTION NORTH OF BASE LINE

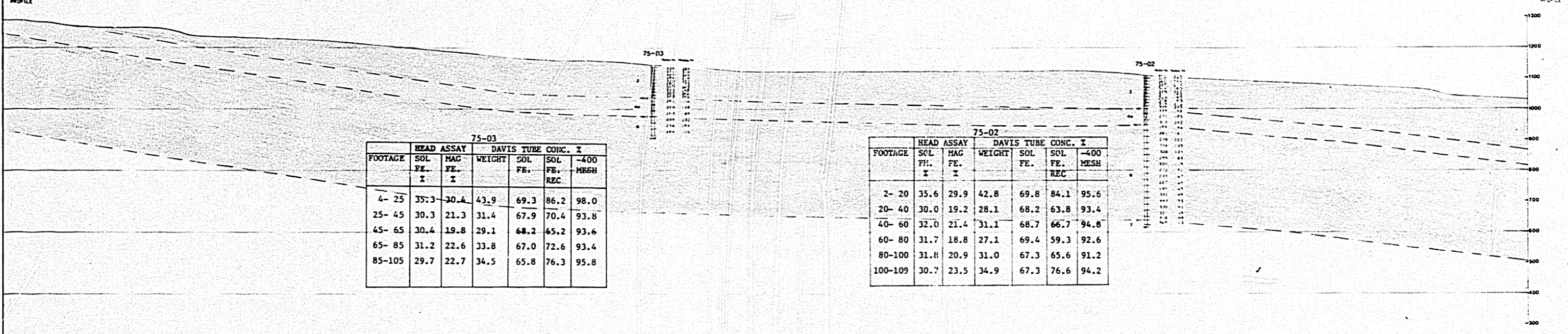
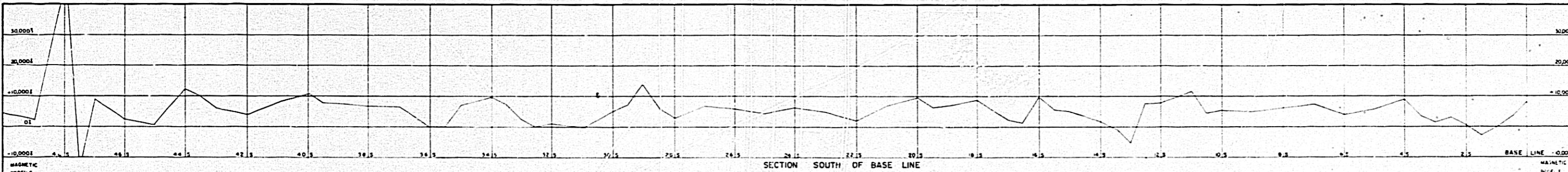


FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
62-80	31.1	19.4	27.7	70.1	62.4	92.6
80-100	31.7	24.8	35.9	69.1	78.3	92.4
100-120	32.4	25.4	37.2	68.2	78.3	94.4
120-140	34.0	29.0	41.6	69.8	85.4	98.5
140-160	32.2	21.9	31.2	70.3	68.1	92.2
160-180	32.0	21.4	31.6	67.8	67.0	91.3
180-210	32.6	24.8	36.3	68.3	76.1	91.7
210-231	32.3	21.4	32.8	65.3	66.3	92.0

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
132-150	29.6	15.9	23.1	68.8	53.7	92.8
150-170	29.4	17.9	25.4	70.5	60.9	91.0
170-190	30.7	17.9	25.7	69.5	58.2	88.8
190-210	31.3	23.3	33.7	69.0	74.3	87.8
210-230	31.2	23.1	34.0	68.2	74.3	88.6
230-250	30.9	20.0	30.5	65.6	64.8	86.2
250-270	32.3	26.6	39.0	68.2	82.3	89.0
270-290	32.3	25.7	38.0	67.7	79.7	88.6
290-310	30.4	22.3	33.5	66.5	73.3	91.5
310-326	30.2	23.0	34.0	67.7	76.2	88.8

- LEGEND**
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION (Not intruded)
  - 2 CHERTY MAGNETITE IRON FORMATION (2# Less chert)
  - 3 SERPENTINE - CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION (Mg - magnetite enriched, Fe - magnetite enriched)
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC L'INGAVA MINING  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 WEST MAIN ZONE  
 SECTION L20-00W LOOKING WEST  
 SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY: MGS DRAWING NO: 76-01-10 DATE: DEC/76  
 APPROVED BY: HEM

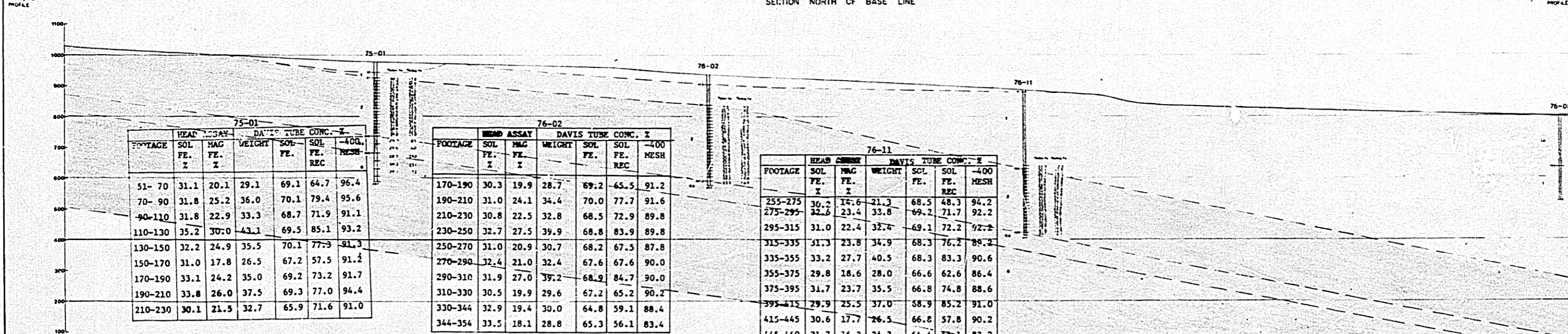
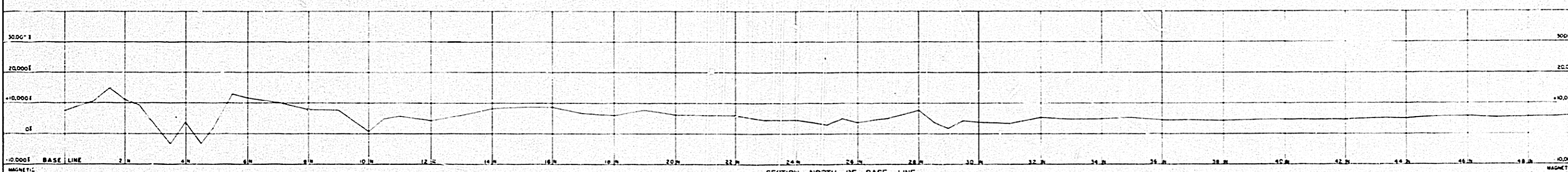


75-03

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
4-25	35.3	30.4	43.9	69.3	86.2	98.0
25-45	30.3	21.3	31.4	67.9	70.4	93.8
45-65	30.4	19.8	29.1	68.2	65.2	93.6
65-85	31.2	22.6	33.8	67.0	72.6	93.4
85-105	29.7	22.7	34.5	65.8	76.3	95.8

75-02

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
2-20	35.6	29.9	42.8	69.8	84.1	95.6
20-40	30.0	19.2	28.1	68.2	63.8	93.4
40-60	32.0	21.4	31.1	68.7	66.7	94.8
60-80	31.7	18.8	27.1	69.4	59.3	92.6
80-100	31.8	20.9	31.0	67.3	65.6	91.2
100-109	30.7	23.5	34.9	67.3	76.6	94.2



75-01

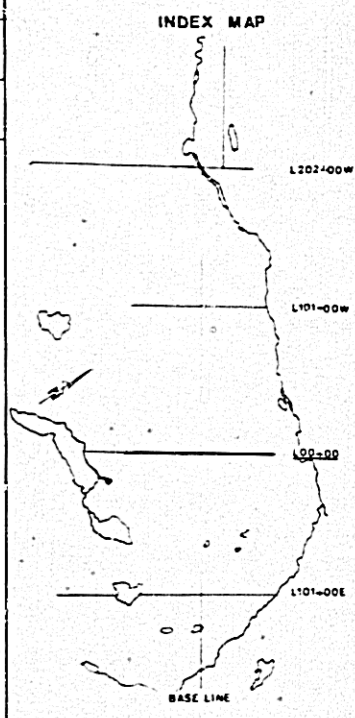
FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
51-70	31.1	20.1	29.1	69.1	64.7	96.4
70-90	31.8	25.2	36.0	70.1	79.4	95.6
90-110	31.8	22.9	33.3	68.7	71.9	91.1
110-130	35.2	30.0	43.1	69.5	85.1	93.2
130-150	32.2	24.9	35.5	70.1	77.9	91.3
150-170	31.0	17.8	26.5	67.2	57.5	91.2
170-190	33.1	24.2	35.0	69.2	73.2	91.7
190-210	33.8	26.0	37.5	69.3	77.0	94.4
210-230	30.1	21.5	32.7	65.9	71.6	91.0

76-02

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
170-190	30.3	19.9	28.7	69.2	65.5	91.2
190-210	31.0	24.1	34.4	70.0	77.7	91.6
210-230	30.8	22.5	32.8	68.5	72.9	89.8
230-250	32.7	27.5	39.9	68.8	83.9	89.8
250-270	31.0	20.9	30.7	68.2	67.5	87.8
270-290	32.4	21.0	32.4	67.6	67.6	90.0
290-310	31.9	27.0	39.2	68.9	84.7	90.0
310-330	30.5	19.9	29.6	67.2	65.2	90.2
330-344	32.9	19.4	30.0	64.8	59.1	88.4
344-354	33.5	18.1	28.8	65.3	56.1	83.4

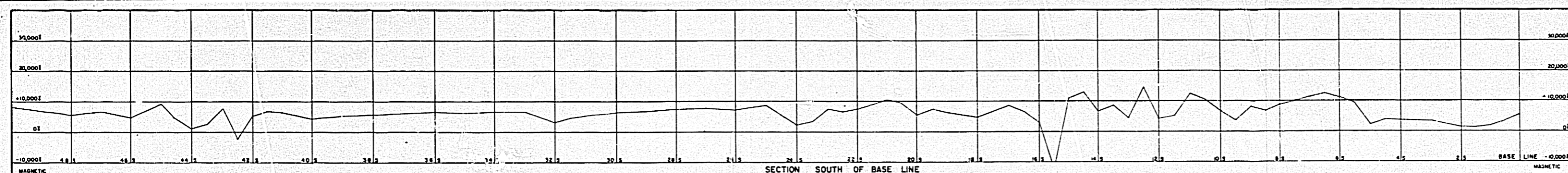
76-11

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
255-275	30.2	14.6	21.3	68.5	48.3	94.2
275-295	32.6	23.4	33.8	69.2	71.7	92.2
295-315	31.0	22.4	32.4	69.1	72.2	92.2
315-335	31.3	23.8	34.9	68.3	76.2	89.2
335-355	33.2	27.7	40.5	68.3	83.3	90.6
355-375	29.8	18.6	28.0	66.6	62.6	86.4
375-395	31.7	23.7	35.5	66.8	74.8	88.6
395-415	29.9	25.5	37.0	58.9	85.2	91.0
415-445	30.6	17.7	26.5	66.8	57.8	90.2
445-460	31.7	16.2	24.3	66.6	51.1	83.2

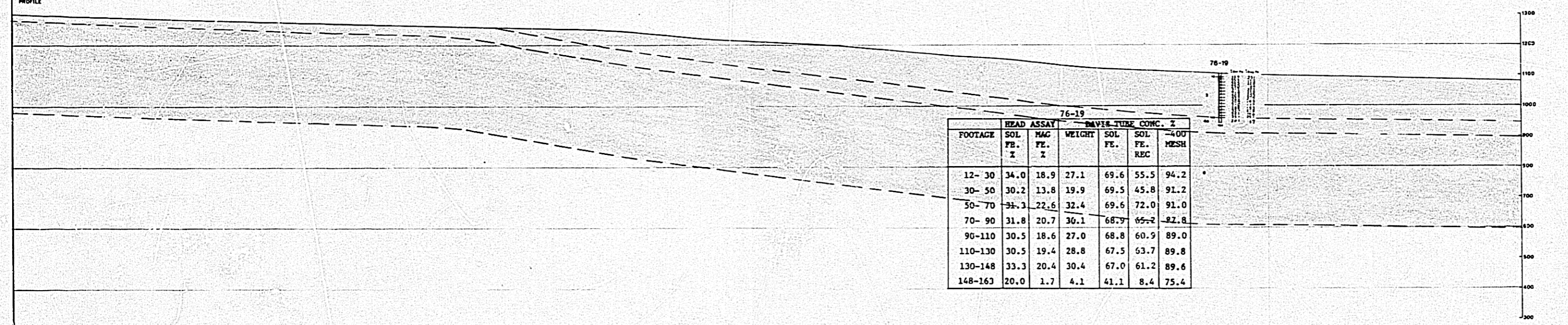


- LEGEND
- 1 SLATE
  - 2 CHERTY CARBONATE IRON FORMATION (Magnetite enriched)
  - 3 CHERTY MAGNETITE IRON FORMATION (200 Mesh concn)
  - 4 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 5 UPPER JASPER HEMATITE IRON FORMATION (Magnetite enriched, Hematite enriched)
  - 6 JASPER CARBONATE
  - 7 CHERTY METALLIC IRON FORMATION
  - 8 LOWER JASPER HEMATITE IRON FORMATION

**QUEBEC UNGAVA MINING**  
 KANIAPISKAU PROPERTY  
 NEAR QUEBEC CANADA  
**GEOLOGICAL CROSS SECTION**  
**MAIN ZONE**  
 SECTION L00-00W LOOKING WEST  
 SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO, CANADA  
 DRAWN BY: MGS DRAWING NO: DATE: 76-01-17  
 APPROVED BY: HEN

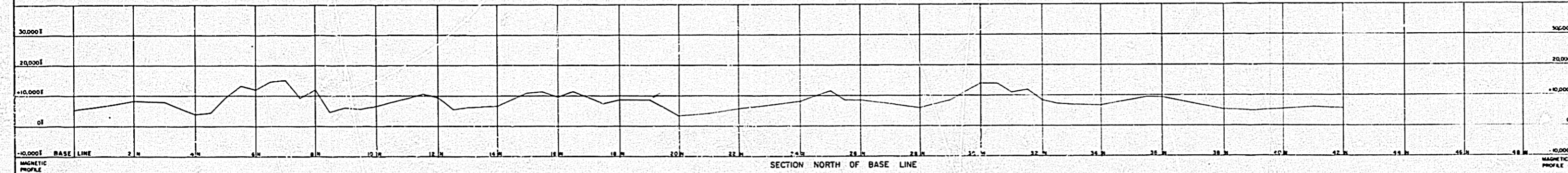
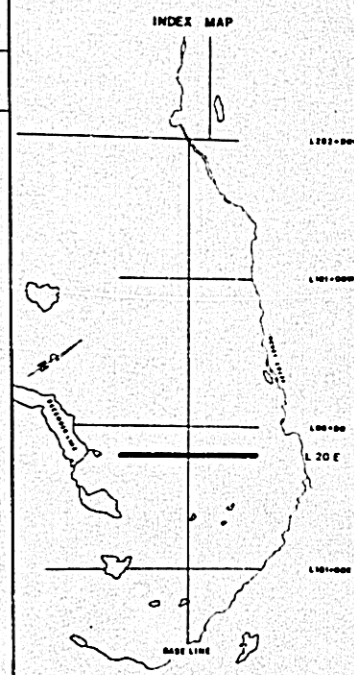


SECTION SOUTH OF BASE LINE

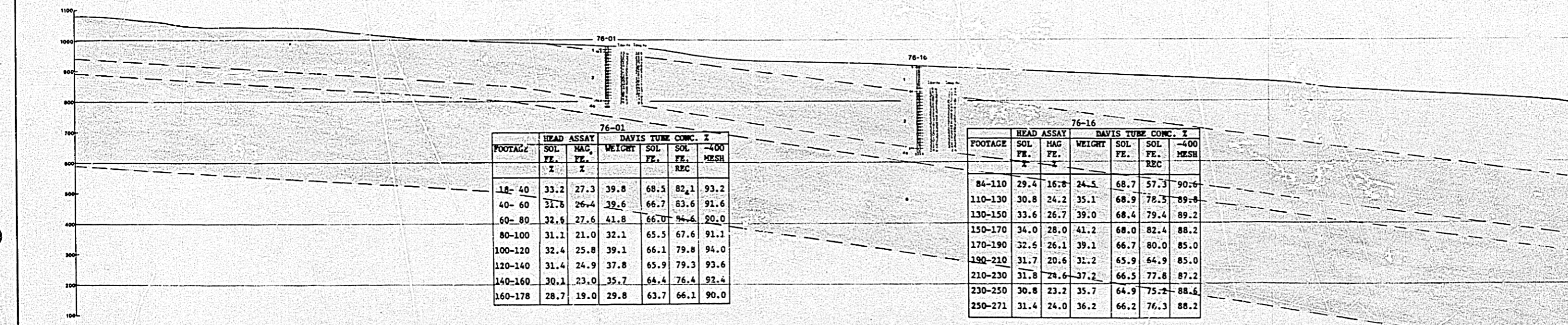


76-19

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
12-30	34.0	18.9	27.1	69.6	55.5	94.2
30-50	30.2	13.8	19.9	69.5	45.8	91.2
50-70	31.3	22.6	32.4	69.6	72.0	91.0
70-90	31.8	20.7	30.1	68.9	65.2	92.8
90-110	30.5	18.6	27.0	68.8	60.9	89.0
110-130	30.5	19.4	28.8	67.5	63.7	89.8
130-148	33.3	20.4	30.4	67.0	61.2	89.6
148-163	20.0	1.7	4.1	41.1	8.4	75.4



SECTION NORTH OF BASE LINE



76-01

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
18-40	33.2	27.3	39.8	68.5	82.1	93.2
40-60	31.8	26.4	39.6	66.7	83.6	91.6
60-80	32.6	27.6	41.8	66.0	94.6	90.0
80-100	31.1	21.0	32.1	65.5	67.6	91.1
100-120	32.4	25.8	39.1	66.1	79.8	94.0
120-140	31.4	24.9	37.8	65.9	79.3	93.6
140-160	30.1	23.0	35.7	64.4	76.4	92.4
160-178	28.7	19.0	29.8	63.7	66.1	90.0

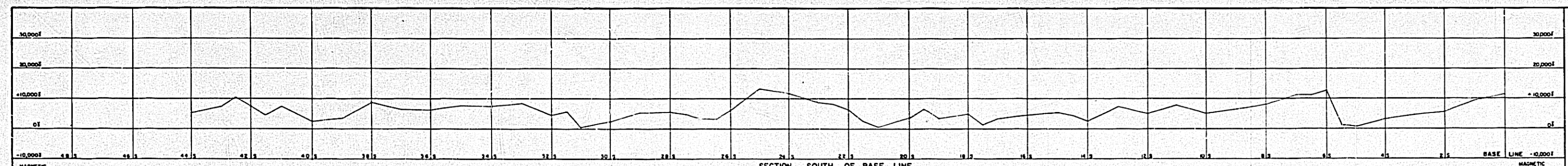
76-16

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
84-110	29.4	16.8	24.5	68.7	57.3	90.6
110-130	30.8	24.2	35.1	68.9	78.5	89.8
130-150	33.6	26.7	39.0	68.4	79.4	89.2
150-170	34.0	28.0	41.2	68.0	82.4	88.2
170-190	32.5	26.1	39.1	66.7	80.0	85.0
190-210	31.7	20.6	31.2	65.9	64.9	85.0
210-230	31.8	24.6	37.2	66.5	77.8	87.2
230-250	30.8	23.2	35.7	64.9	75.2	88.6
250-271	31.4	24.0	36.2	66.2	76.3	88.2

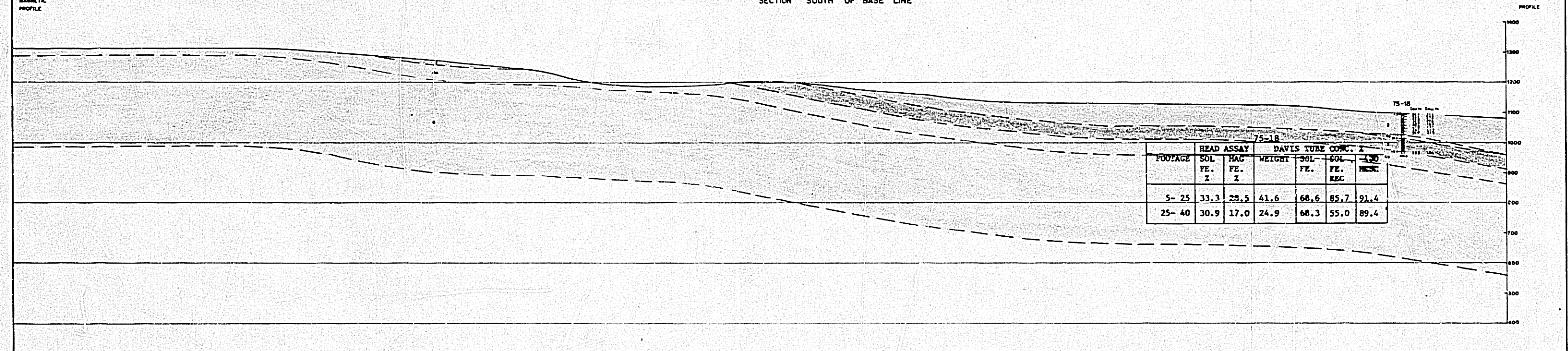
LEGEND

- 0 SLATE
- 1 CHERTY CARBONATE IRON FORMATION (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)
- 2 CHERTY MAGNETITE IRON FORMATION (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)
- 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
- 4 UPPER JASPER HEMATITE IRON FORMATION (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)
- 5 JASPER CARBONATE
- 6 CHERTY METALLIC IRON FORMATION
- 7 LOWER JASPER HEMATITE IRON FORMATION

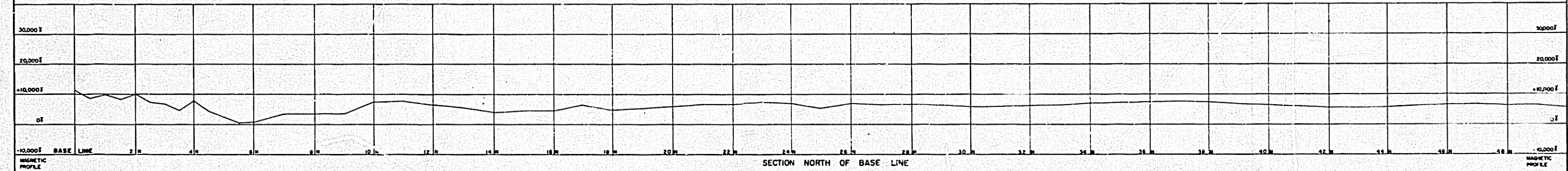
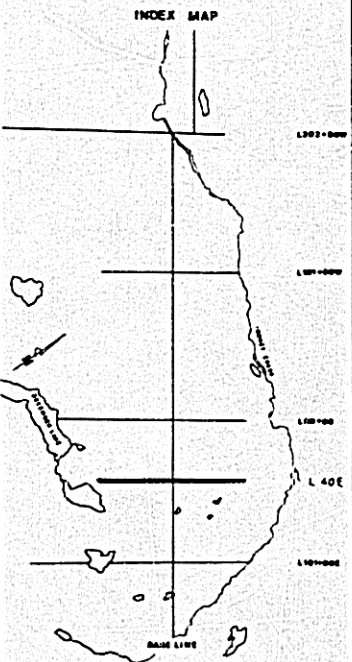
**QUEBEC-UNGAVA MINING**  
 KANAPISKAU PROPERTY  
 WITH QUEBEC CANADA  
**GEOLOGICAL CROSS SECTION**  
 EAST MAIN ZONE  
 SECTION 21100.5' LONG WEST  
 SCALE 1" = 100'  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO, CANADA  
 DRAWN BY: MDS DATE: JAN 77  
 APPROVED BY: HEN



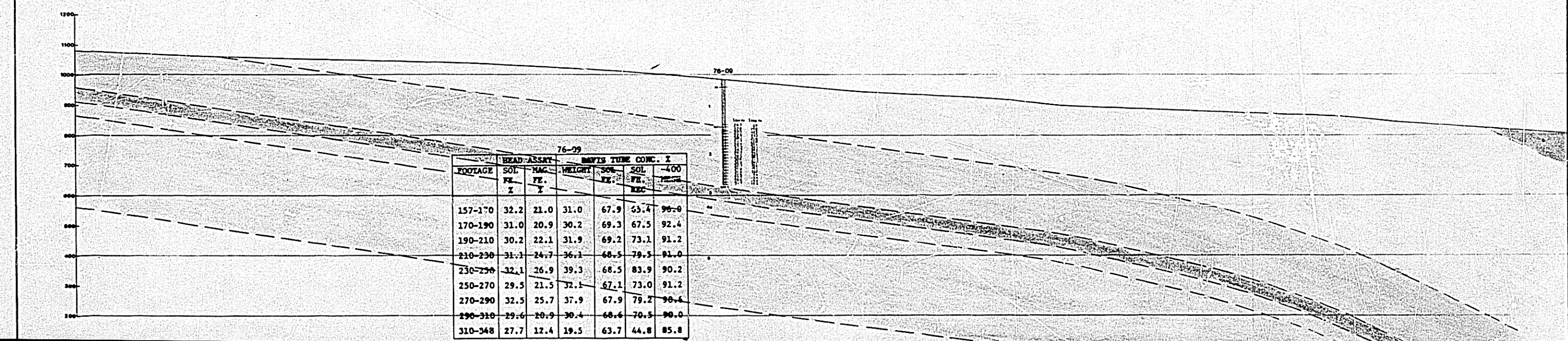
SECTION SOUTH OF BASE LINE



FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL. FE. %	MAG. FE. %		SOL. FE. %	SOL. FE. REC.	REC.
5-25	33.3	23.5	41.6	68.6	85.7	91.4
25-40	30.9	17.0	24.9	68.3	55.0	89.4



SECTION NORTH OF BASE LINE

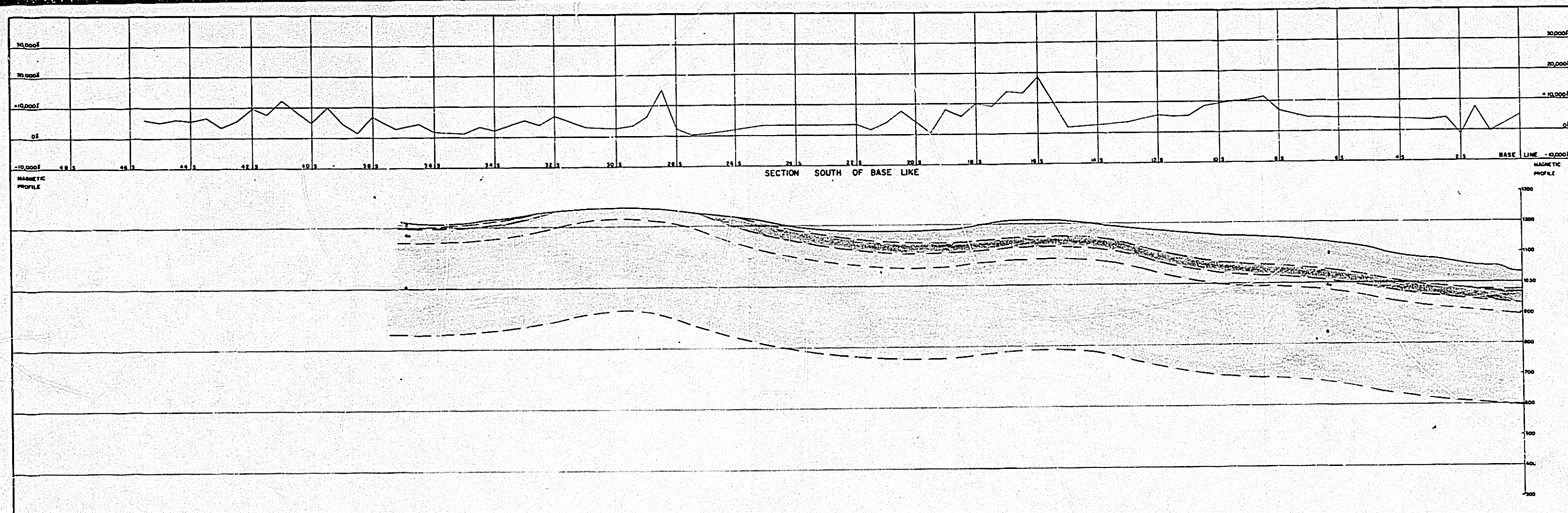


FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL. FE. %	MAG. FE. %		SOL. FE. %	SOL. FE. REC.	REC.
157-170	32.2	21.0	31.0	67.9	63.4	96.8
170-190	31.0	20.9	30.2	69.3	67.5	92.4
190-210	30.2	22.1	31.9	69.2	73.1	91.2
210-230	31.1	24.7	36.1	68.5	79.5	91.0
230-250	32.1	26.9	39.3	68.5	83.9	90.2
250-270	29.5	21.5	32.1	67.1	73.0	91.2
270-290	32.5	25.7	37.9	67.9	79.2	96.6
290-310	29.6	20.9	30.4	68.6	70.5	90.0
310-348	27.7	12.4	19.5	63.7	44.8	85.8

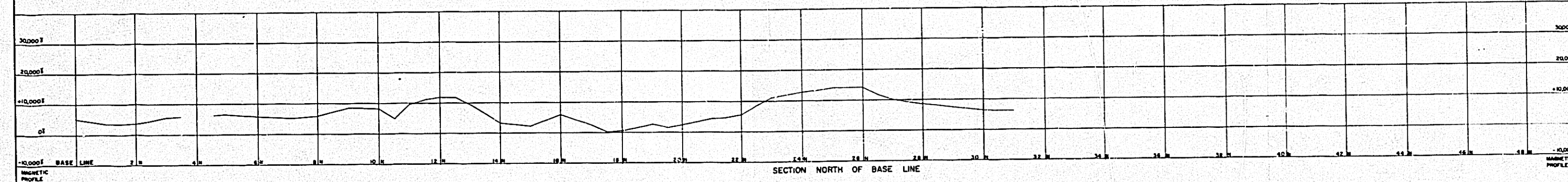
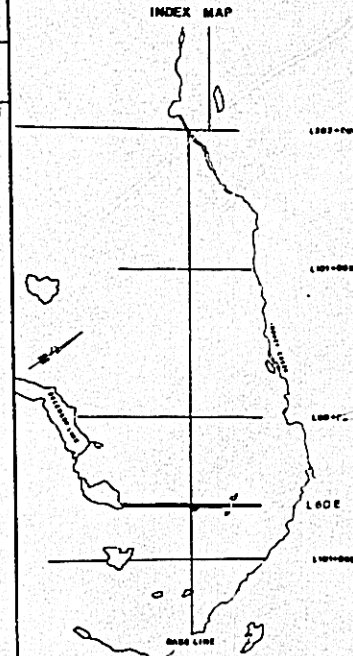
LEGEND

- 0 SLATE
- 1 CHERTY CARBONATE IRON FORMATION (see intrusions)
- 2 CHERTY MAGNETITE IRON FORMATION (see level 1)
- 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
- 4 UPPER JASPER HEMATITE IRON FORMATION (Mg hematite enriched - Mg magnetite enriched)
- 5 JASPER CARBONATE
- 6 CHERTY METALLIC IRON FORMATION
- 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 EAST MAIN ZONE  
 SECTION 40+00 E LOOKING WEST  
 SCALE 1"=1000'  
 H & NEAL AND ASSOCIATES LTD  
 TORONTO CANADA  
 DRAWN BY: MDS DRAWING NO: 76-01-18 DATE: JAN 77  
 APPROVED BY: MHN



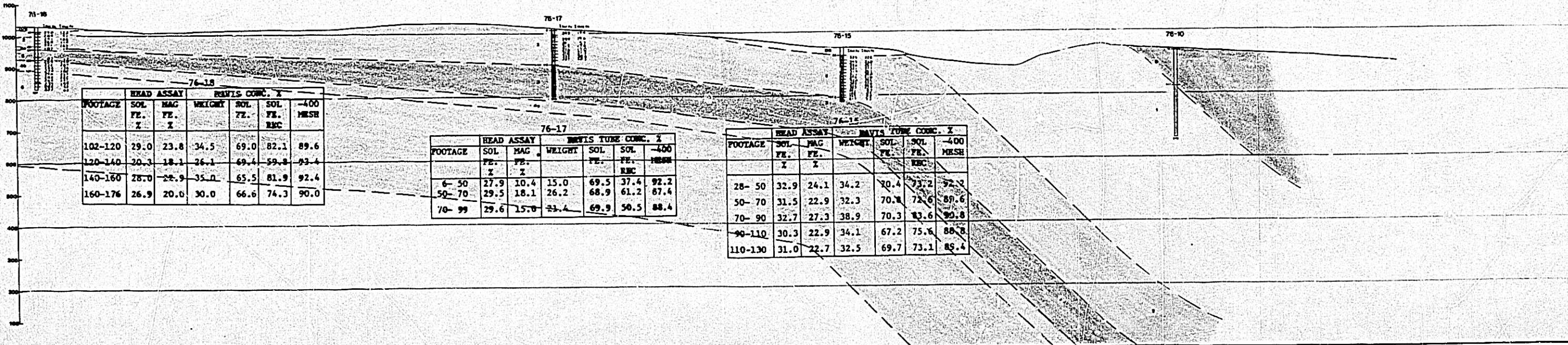
SECTION SOUTH OF BASE LINE



SECTION NORTH OF BASE LINE

LEGEND

- 1 CHERTY CARBONATE IRON FORMATION (1st Interval)
- 2 CHERTY MAGNETITE IRON FORMATION (2nd Interval)
- 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
- 4 UPPER JASPER HEMATITE IRON FORMATION (1st Interval)
- 5 JASPER CARBONATE
- 6 CHERTY METALLIC IRON FORMATION
- 7 LOWER JASPER HEMATITE IRON FORMATION

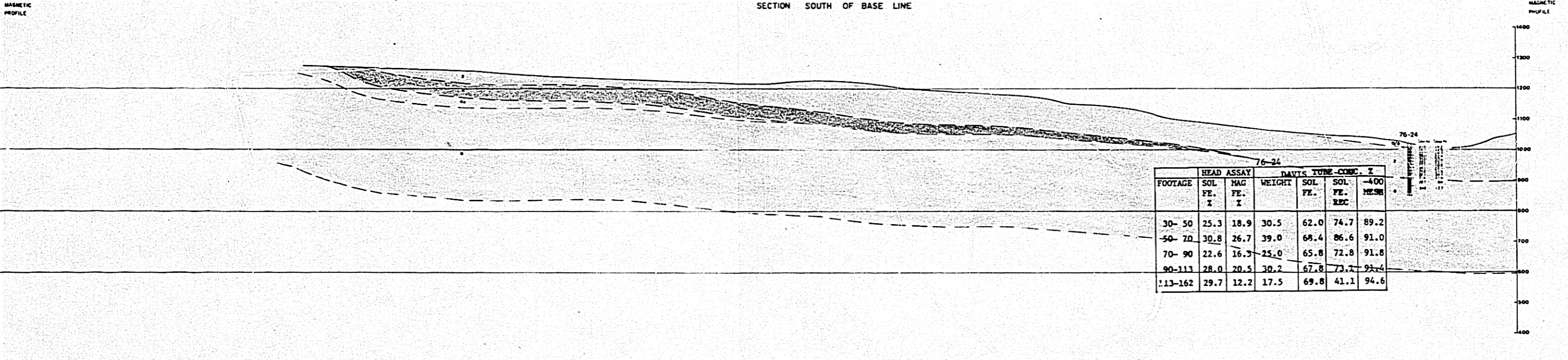
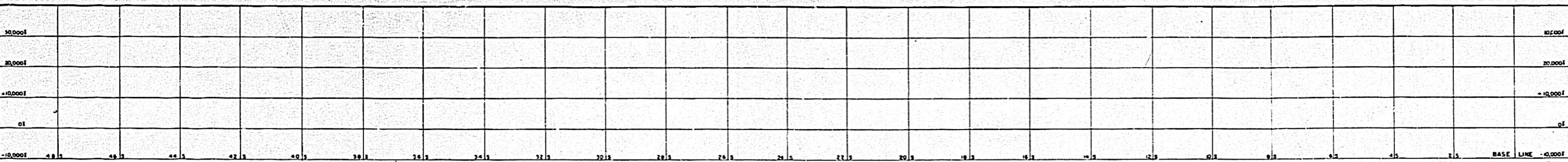


FOOTAGE	HEAD ASSAY		NETS CONC. %			-400 MESH
	SOL. FE. %	MAG. FE. %	WEIGHT	SOL. FE. %	SOL. FE. %	
102-120	29.0	23.8	34.5	69.0	82.1	89.6
120-140	20.3	18.1	26.1	69.4	59.8	83.4
140-160	28.0	22.9	35.0	65.5	81.9	92.4
160-176	26.9	20.0	30.0	66.6	74.3	90.0

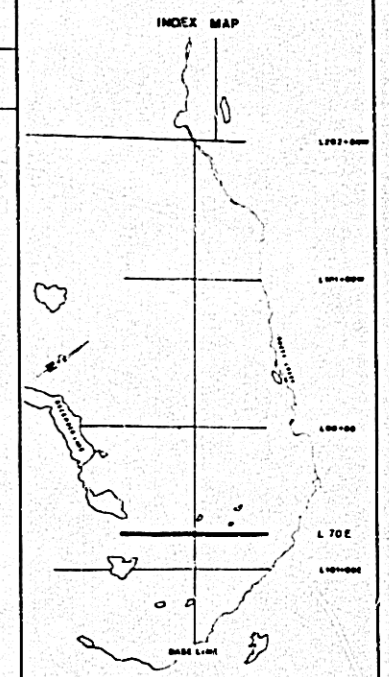
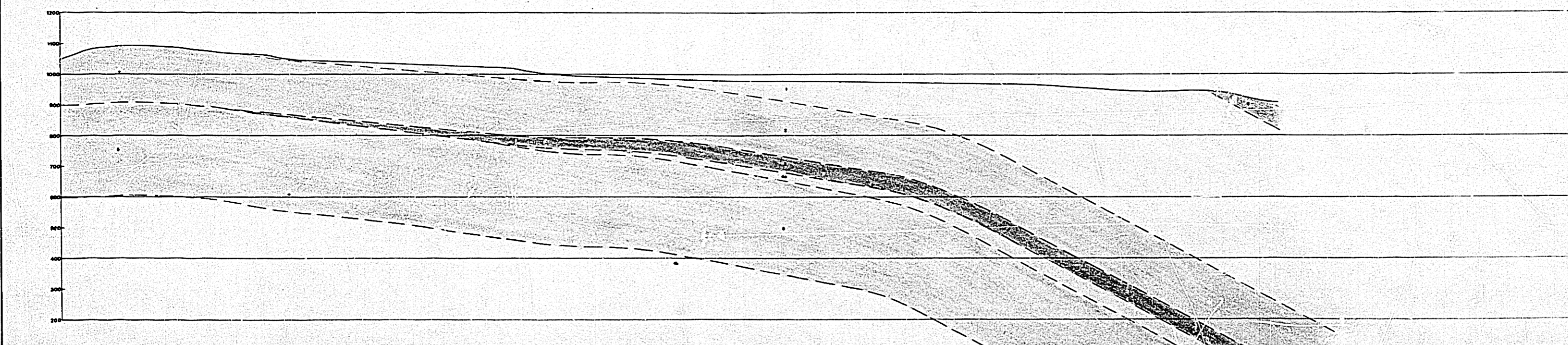
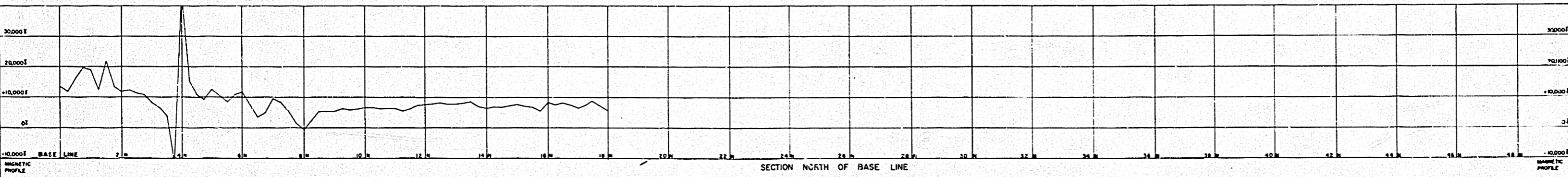
FOOTAGE	HEAD ASSAY		NETS CONC. %			-400 MESH
	SOL. FE. %	MAG. FE. %	WEIGHT	SOL. FE. %	SOL. FE. %	
6-50	27.9	10.4	15.0	69.5	37.4	92.2
50-70	29.5	18.1	26.2	68.9	61.2	87.4
70-99	29.6	15.0	23.4	69.9	50.5	88.4

FOOTAGE	HEAD ASSAY		NETS CONC. %			-400 MESH
	SOL. FE. %	MAG. FE. %	WEIGHT	SOL. FE. %	SOL. FE. %	
28-50	32.9	24.1	34.2	70.4	73.2	92.3
50-70	31.5	22.9	32.3	70.8	72.6	87.6
70-90	32.7	27.3	38.9	70.3	83.6	90.8
90-110	30.3	22.9	34.1	67.2	75.6	88.8
110-130	31.0	22.7	32.5	69.7	73.1	85.4

QUEBEC LINGVA MINING  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 EAST MAIN ZONE  
 SECTION 60+00 E. LOOKING WEST  
 SCALE 10:1  
 R. E. NEAL AND ASSOCIATES LTD.  
 1250 DUNDAS ST. W. TORONTO, ONT. M6J 1B5  
 DRAWN BY: M.E.N. CHECKED BY: M.E.N. DATE: JAN/77



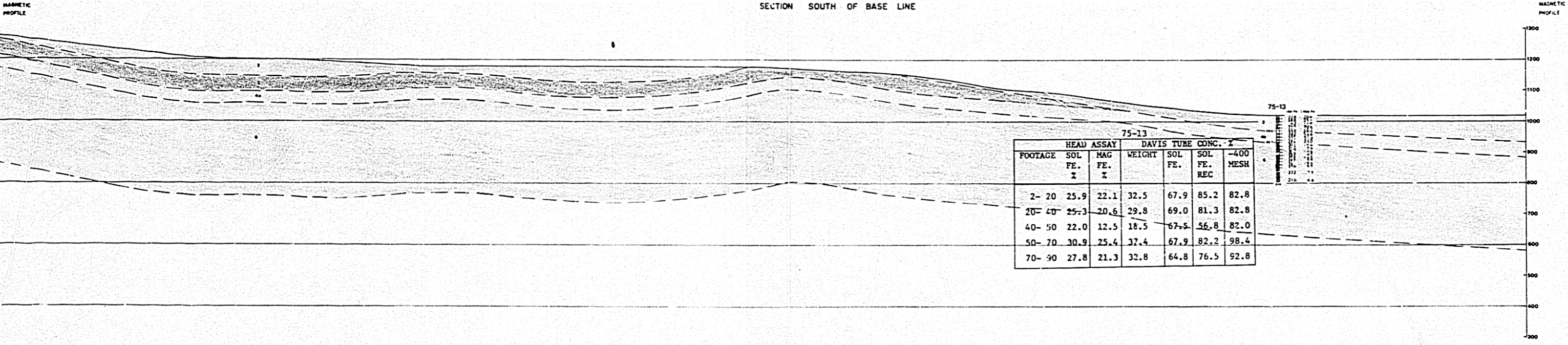
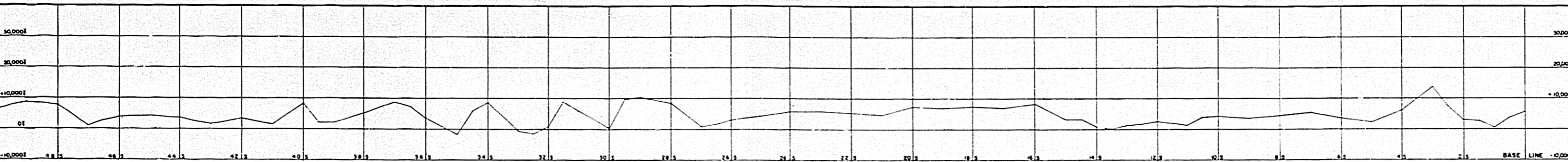
FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL. FE. %	MAG. FE. %		SOL. FE.	SOL. FE. REC.	-400 MESH
30-50	25.3	18.9	30.5	62.0	74.7	89.2
50-70	30.8	26.7	39.0	68.4	86.6	91.0
70-90	22.6	16.5	25.0	65.8	72.8	91.8
90-113	28.0	20.5	30.2	67.8	73.1	92.4
113-162	29.7	12.2	17.5	69.8	41.1	94.6



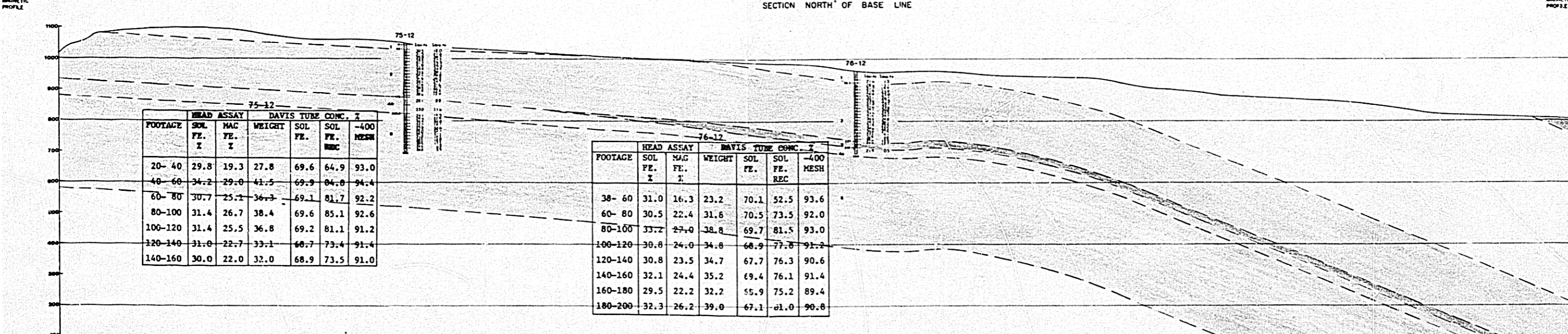
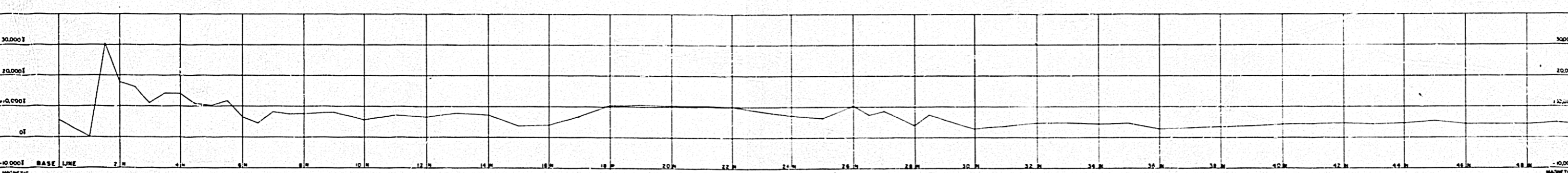
- LEGEND**
- 1 SLATE
  - 2 CHERTY CARBONATE IRON FORMATION (M Intruded)
  - 3 CHERTY MAGNETITE IRON FORMATION (M Low chert)
  - 4 SERPENTINE - CARBONATE VOLCANIC ROCKS
  - 5 UPPER JASPER HEMATITE IRON FORMATION (M - hematite enriched / M - magnetite enriched)
  - 6 JASPER CARBONATE
  - 7 CHERTY METALLIC IRON FORMATION
  - 8 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC LINGAVA MINING  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 EAST MAIN ZONE  
 SECTION 70+00 E LOOKING WEST  
 SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD  
 TORONTO CANADA  
 DRAWN BY: SDS DRAWING NO: 76-01-13 DATE: JAN/77  
 APPROVED BY: M.E.N.



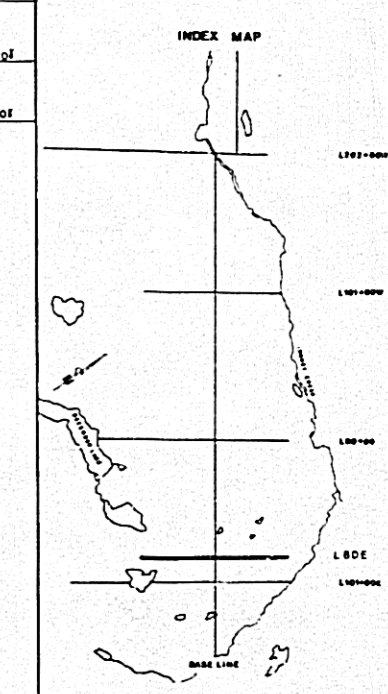


FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
2- 20	25.9	22.1	32.5	67.9	85.2	82.8
20- 40	25.3	20.6	29.8	69.0	81.3	82.8
40- 50	22.0	12.5	18.5	67.5	56.8	82.0
50- 70	30.9	25.4	37.4	67.9	82.2	98.4
70- 90	27.8	21.3	32.8	64.8	76.5	92.8



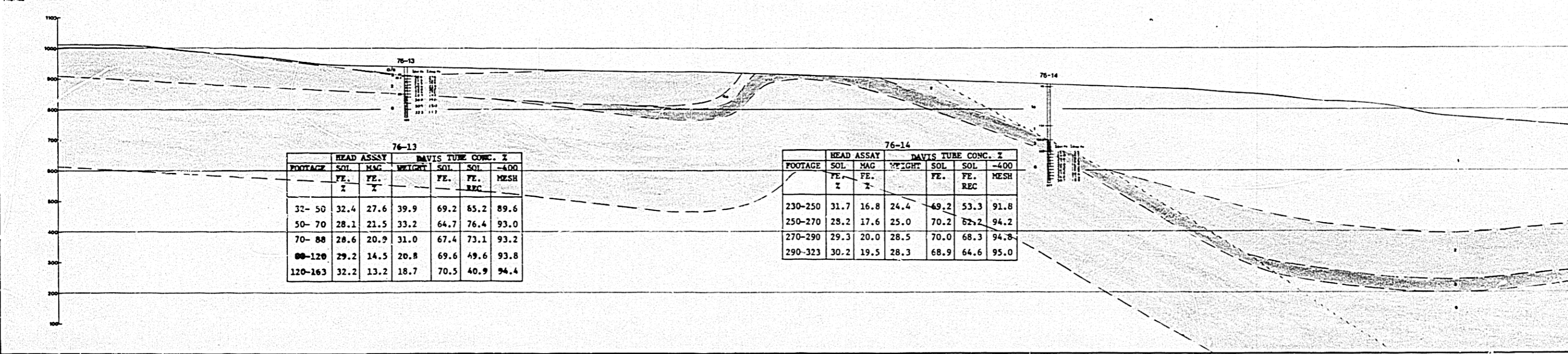
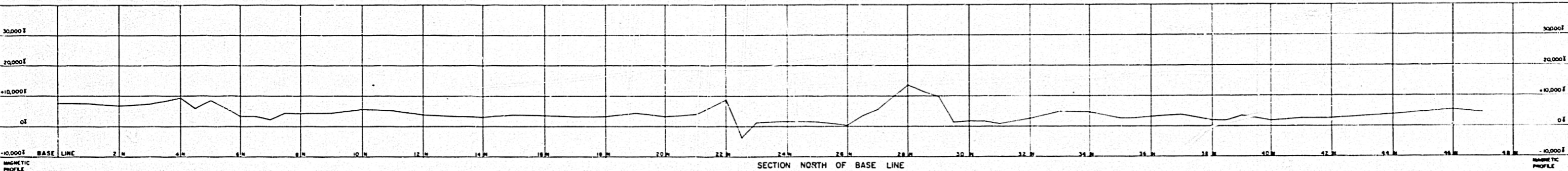
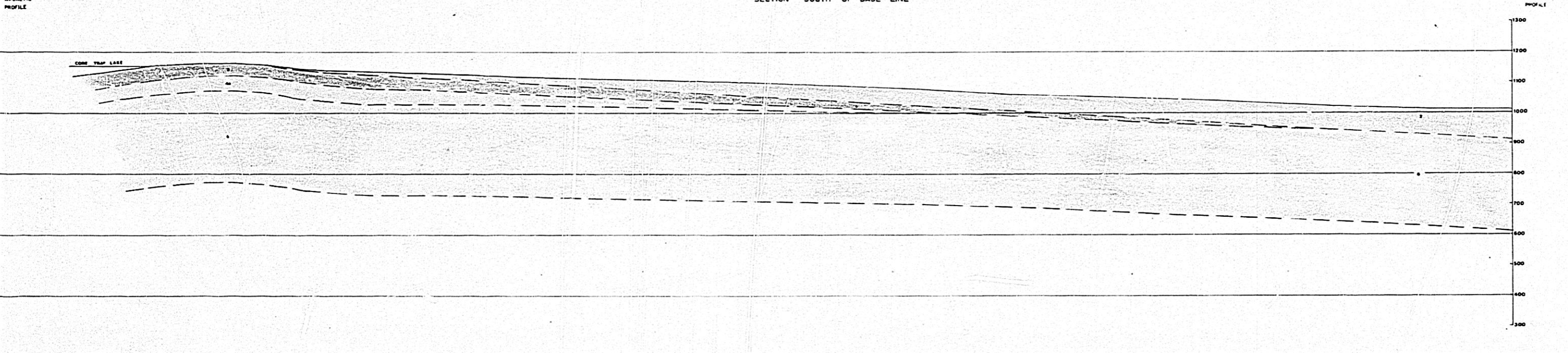
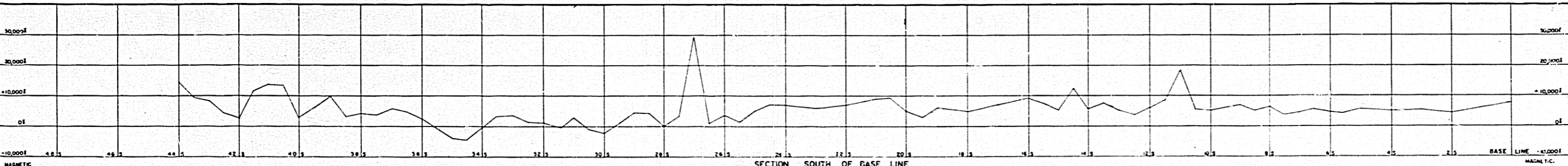
FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
20- 40	29.8	19.3	27.8	69.6	64.9	93.0
40- 60	34.2	29.0	41.5	69.9	84.8	94.4
60- 80	30.7	25.1	36.3	69.1	81.7	92.2
80-100	31.4	26.7	38.4	69.6	85.1	92.6
100-120	31.4	25.5	36.8	69.2	81.1	91.2
120-140	31.0	22.7	33.1	68.7	73.4	91.4
140-160	30.0	22.0	32.0	68.9	73.5	91.0

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
38- 60	31.0	16.3	23.2	70.1	52.5	93.6
60- 80	30.5	22.4	31.6	70.5	73.5	92.0
80-100	33.2	27.0	38.8	69.7	81.5	93.0
100-120	30.8	24.0	34.8	68.9	77.8	91.2
120-140	30.8	23.5	34.7	67.7	76.3	90.6
140-160	32.1	24.4	35.2	69.4	76.1	91.4
160-180	29.5	22.2	32.2	65.9	75.2	89.4
180-200	32.3	26.2	39.0	67.1	81.0	90.8



- LEGEND**
- 1 SLATE
  - 2 CHERTY CARBONATE IRON FORMATION (1) Intruded
  - 3 CHERTY MAGNETITE IRON FORMATION (2) Lash chert
  - 4 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 5 UPP'R JASPER HEMATITE IRON FORMATION (3) Magnetite enriched (4) Magnetite enriched
  - 6 JASPER CARBONATE
  - 7 CHERTY METALLIC IRON FORMATION
  - 8 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 EAST MAIN ZONE  
 SECTION 80+00 E LOOKING WEST  
 SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD  
 TORONTO CANADA  
 DRAWN BY: MDS  
 APPROVED BY: HEN  
 DRAWING NO: 76-01-13  
 DATE: JAN/77

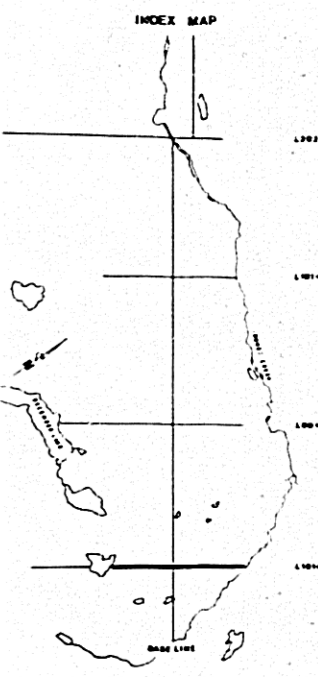


76-13

FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. %	SOL FE. REC	-400 MESH
32-50	32.4	27.6	39.9	69.2	65.2	89.6
50-70	28.1	21.5	33.2	64.7	76.4	93.0
70-88	28.6	20.9	31.0	67.4	73.1	93.2
88-120	29.2	14.5	20.8	69.6	49.6	93.8
120-163	32.2	13.2	18.7	70.5	40.9	94.4

76-14

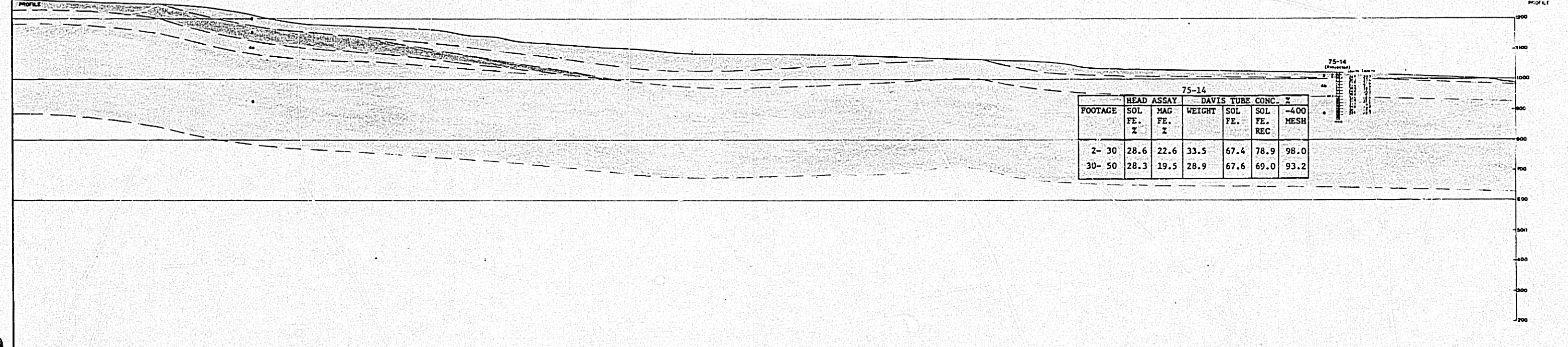
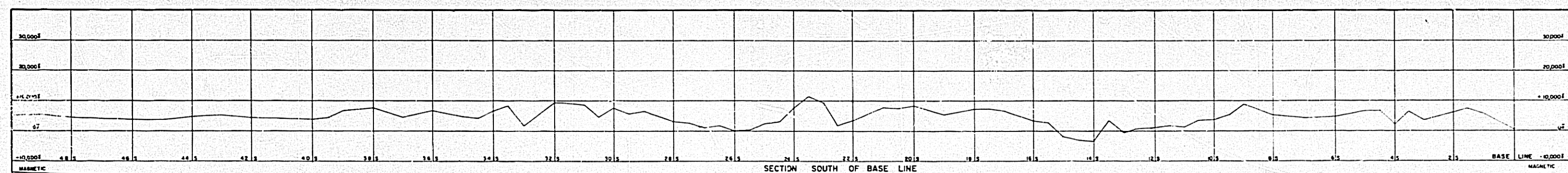
FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. %	SOL FE. REC	-400 MESH
230-250	31.7	16.8	24.4	49.2	53.3	91.8
250-270	28.2	17.6	25.0	70.2	52.2	94.2
270-290	29.3	20.0	28.5	70.0	68.3	94.8
290-323	30.2	19.5	28.3	68.9	64.6	95.0



LEGEND

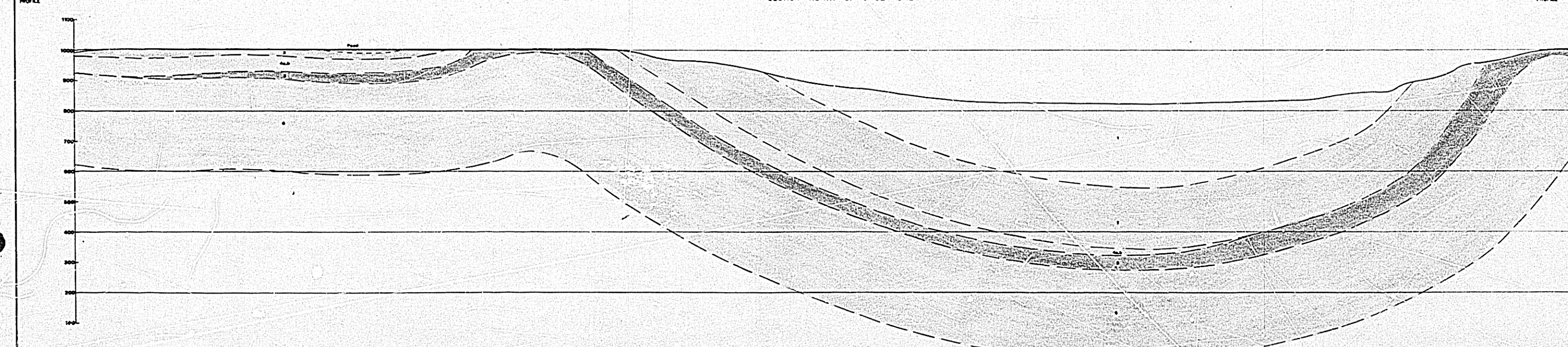
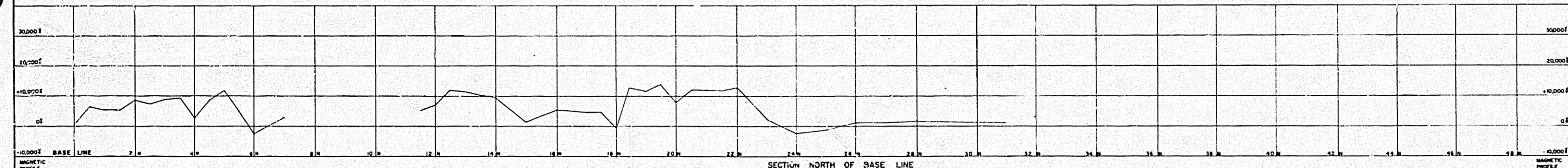
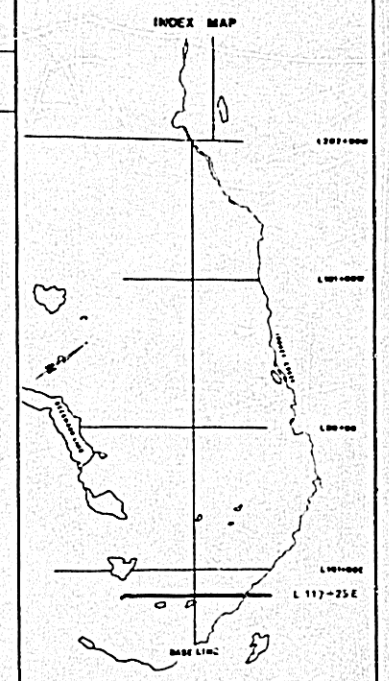
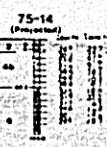
- 0 SLATE
- 1 CHERTY CARBONATE IRON FORMATION (No. 100)
- 2 CHERTY MAGNETITE IRON FORMATION (No. 100)
- 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
- 4 UPPER JASPER HEMATITE IRON FORMATION (No. 100)
- 5 JASPER CARBONATE
- 6 CHERTY METALLIC IRON FORMATION
- 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC LINGAVA MINING  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 EAST MAIN ZONE  
 SECTION 101+00 E LOOKING WEST  
 SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY: MDS GRADING NO. DATE: JAN 77  
 APPROVED BY: MEN TEL. QN 11



75-14

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. REC	SOL FE. REC	-400 MESH
2- 30	28.6	22.6	33.5	67.4	78.9	98.0
30- 50	28.3	19.5	28.9	67.6	69.0	93.2



- LEGEND**
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION (Mol. Intruded)
  - 2 CHERTY MAGNETITE IRON FORMATION (2nd Loop chert)
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION (Mol. hematite enriched / Mol. magnetite enriched)
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

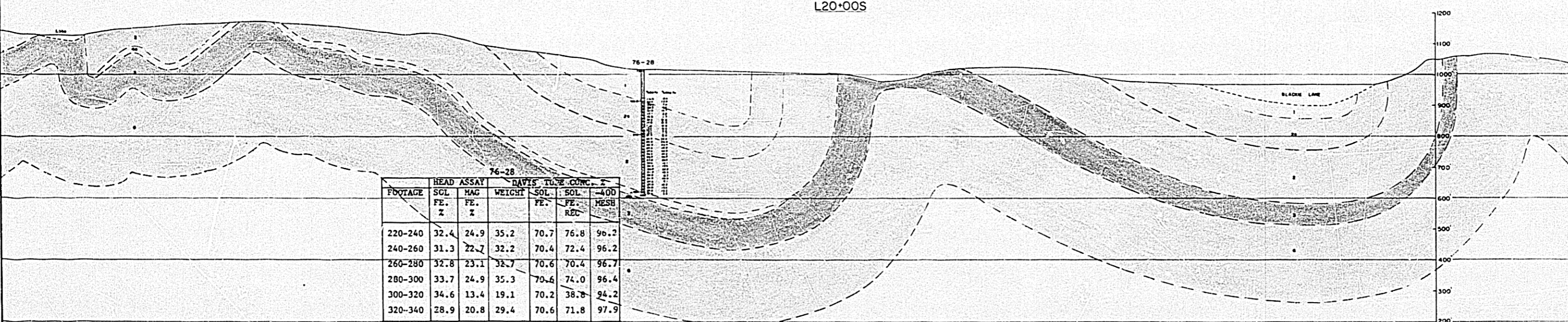
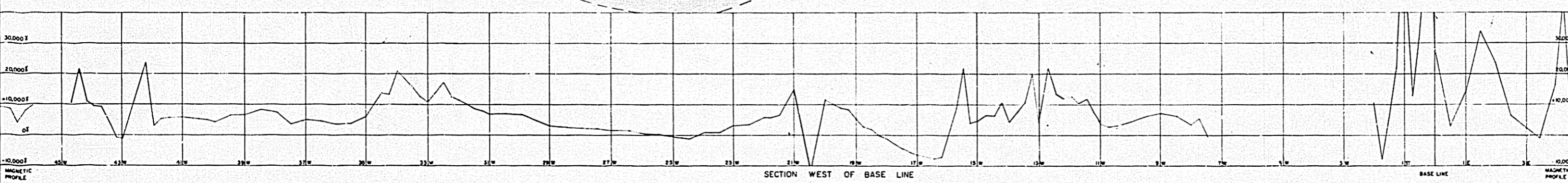
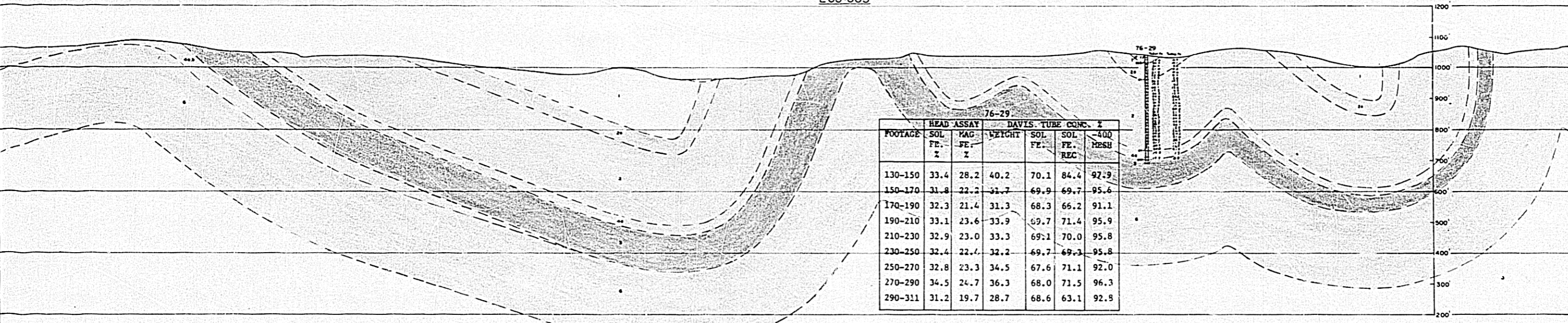
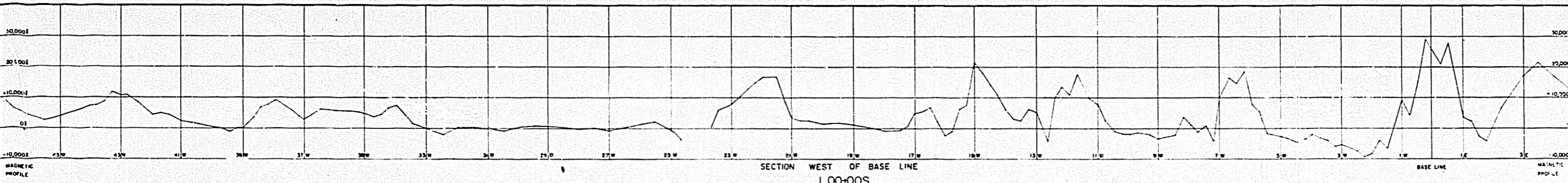
**QUEBEC UNGAVA MINING**  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA

**GEOLOGICAL CROSS SECTION**  
 EAST MAIN ZONE  
 SECTION 117 + 25 E LOOKING WEST

SCALE IN FEET

H. E. NEAL AND ASSOCIATES LTD  
 TORONTO CANADA

DRAWN BY: HOS      DRAWING NO:      DATE:      APPROVED BY: HEB      TEL. OF: 10      JAN/77



- LEGEND**
- 0 OVERBURDEN
  - 1 CHERTY CARBONATE IRON FORMATION
  - 2 CHERTY MAGNETITE IRON FORMATION
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

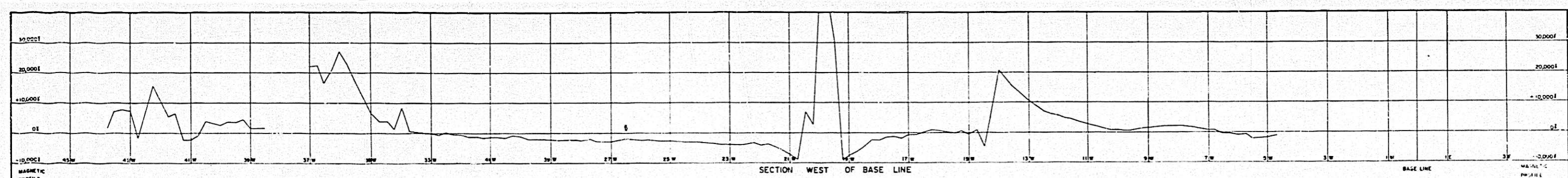
QUEBEC UNGAVA MINING  
KANIAPISKAU PROPERTY  
NEW QUEBEC CANADA

**GEOLOGICAL CROSS SECTION**  
BLACKIE LAKE  
SECTIONS 00S & 20S LOOKING NORTH

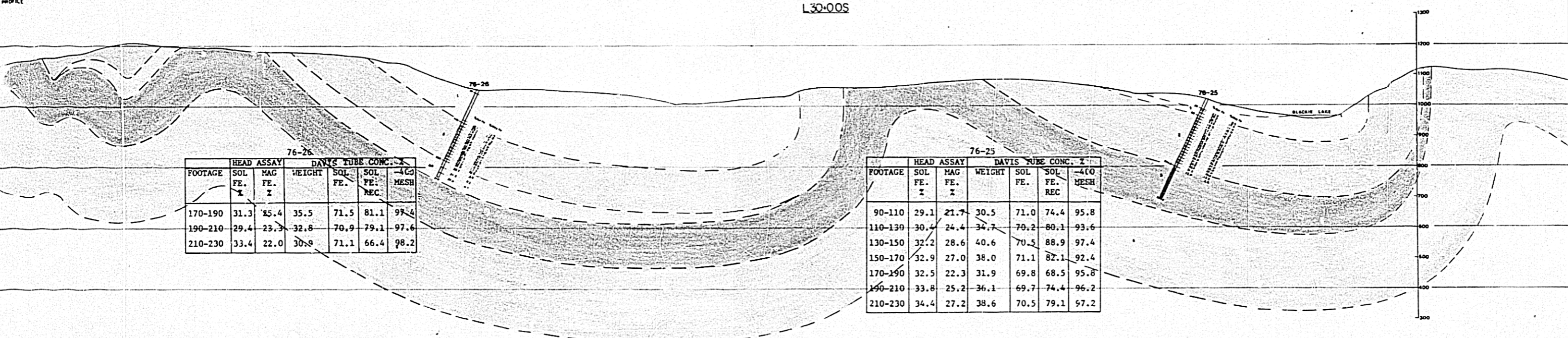
SCALE IN FEET

H. E. HEAL AND ASSOCIATES LTD  
TORONTO CANADA

DRAWN BY: BMS DRAWING NO: 76-01-04 DATE: DEC/76  
APPROVED BY: H.E.H.



SECTION WEST OF BASE LINE  
L30-00S

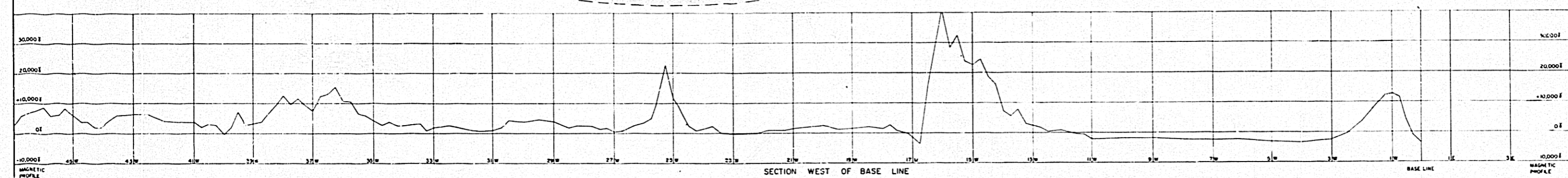


76-26

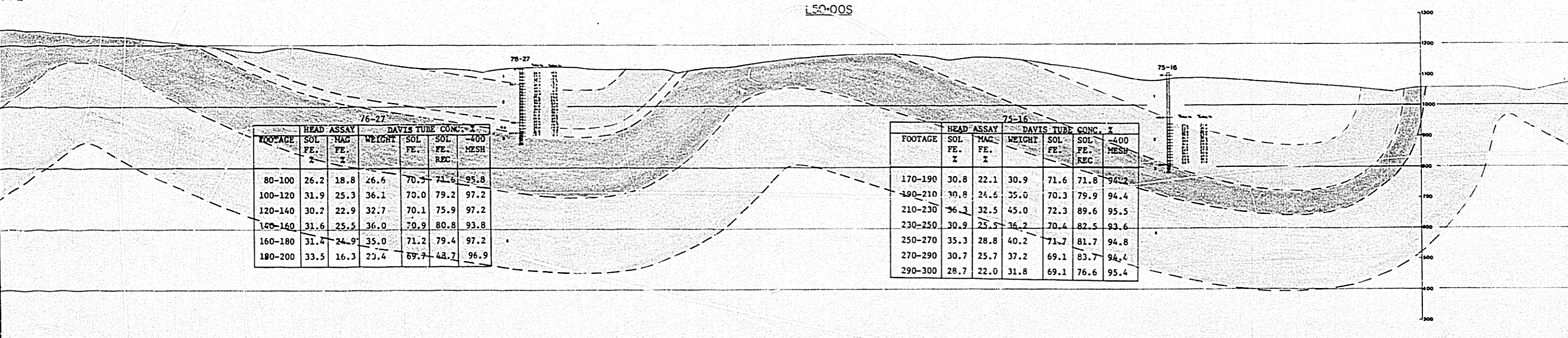
FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. REC.	SOL FE. REC.	-400 MESH
170-190	31.3	25.4	35.5	71.5	81.1	97.4
190-210	29.4	23.3	32.8	70.9	79.1	97.6
210-230	33.4	22.0	30.9	71.1	66.4	98.2

76-25

FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. REC.	SOL FE. REC.	-400 MESH
90-110	29.1	21.7	30.5	71.0	74.4	95.8
110-130	30.4	24.4	34.7	70.2	80.1	93.6
130-150	32.2	28.6	40.6	70.5	88.9	97.4
150-170	32.9	27.0	38.0	71.1	82.1	92.4
170-190	32.5	22.3	31.9	69.8	68.5	95.8
190-210	33.8	25.2	36.1	69.7	74.4	96.2
210-230	34.4	27.2	38.6	70.5	79.1	97.2



SECTION WEST OF BASE LINE  
L50-00S



76-27

FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. REC.	SOL FE. REC.	-400 MESH
80-100	26.2	18.8	26.6	70.3	71.6	95.8
100-120	31.9	25.3	36.1	70.0	79.2	97.2
120-140	30.2	22.9	32.7	70.1	75.9	97.2
140-160	31.6	25.5	36.0	70.9	80.8	93.8
160-180	31.4	24.9	35.0	71.2	79.4	97.2
180-200	33.5	16.3	23.4	69.7	43.7	96.9

75-16

FOOTAGE	HEAD ASSAY		DAVIS TUBE CONC. %			
	SOL FE. %	MAG FE. %	WEIGHT	SOL FE. REC.	SOL FE. REC.	-400 MESH
170-190	30.8	22.1	30.9	71.6	71.8	94.2
190-210	30.8	24.6	35.0	70.3	79.9	94.4
210-230	36.3	32.5	45.0	72.3	89.6	95.5
230-250	30.9	25.5	36.2	70.4	82.5	93.6
250-270	35.3	28.8	40.2	71.7	81.7	94.8
270-290	30.7	25.7	37.2	69.1	83.7	94.4
290-300	28.7	22.0	31.8	69.1	76.6	95.4

- LEGEND
- 0 OVERBURDEN
  - 1 CHERTY CARBONATE IRON FORMATION
  - 2 CHERTY MAGNETITE IRON FORMATION
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
MANIPIKAU PROPERTY  
NEW QUEBEC CANADA

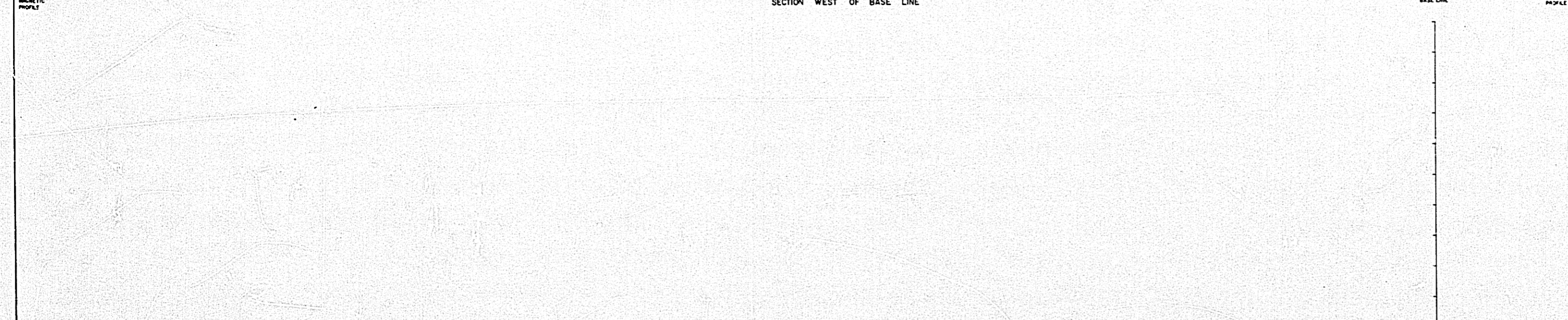
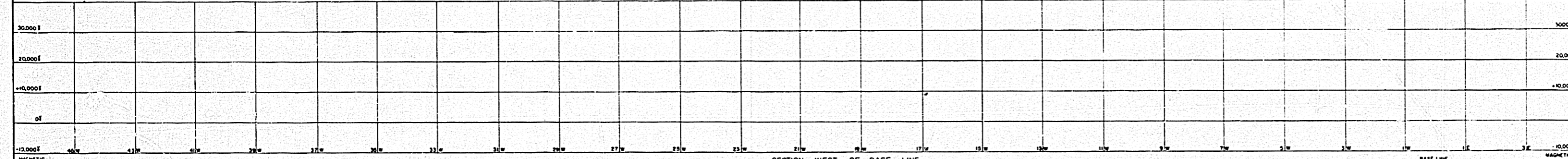
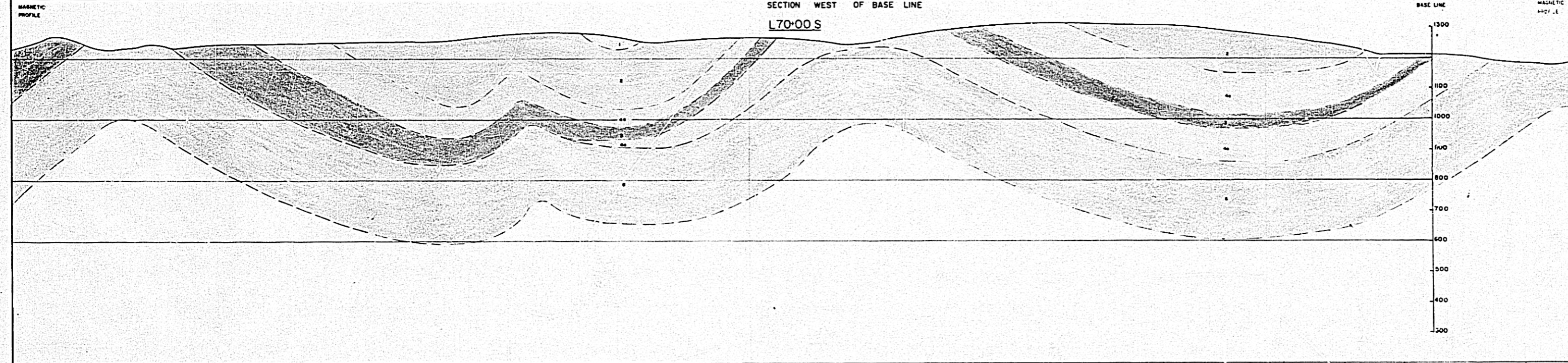
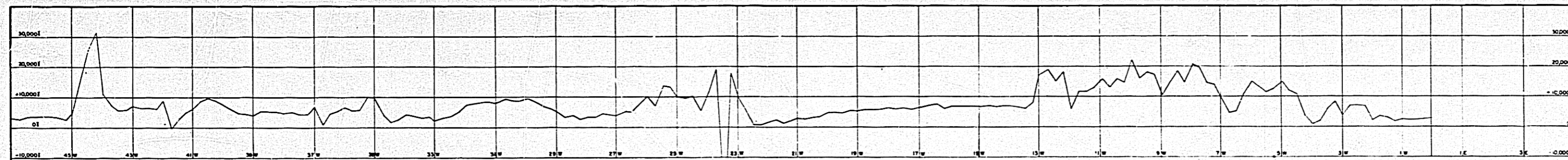
GEOLOGICAL CROSS SECTION  
BLACKIE LAKE  
SECTION 30S & 50S (LOOKING NORTH)

SCALE IN FEET

H & NEAL AND ASSOCIATES LTD  
TORONTO CANADA

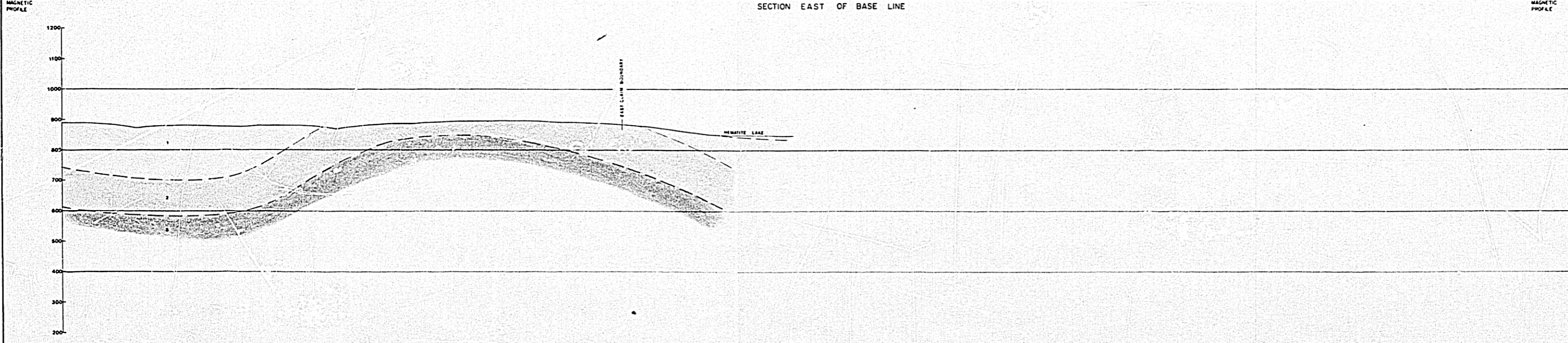
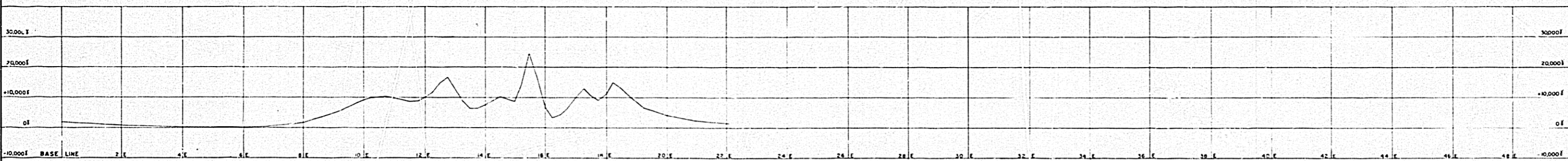
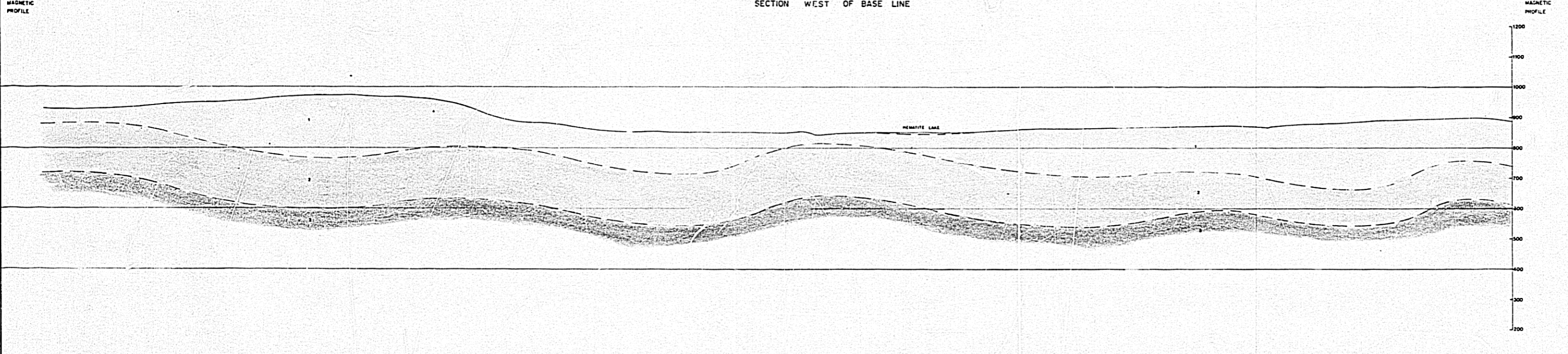
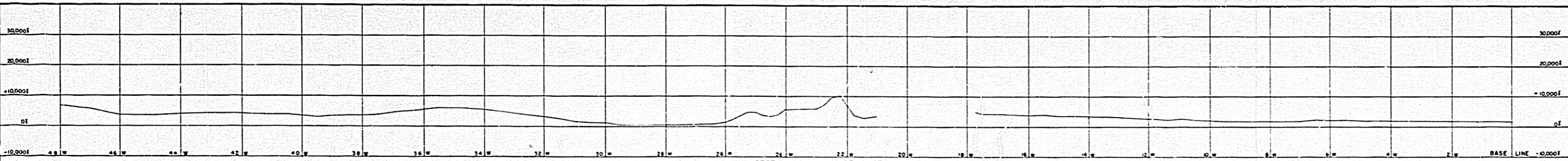
DRAWN BY: MDS      DRAWING NO: 78-01-05      DATE:      DEC/78

APPROVED BY: HEN



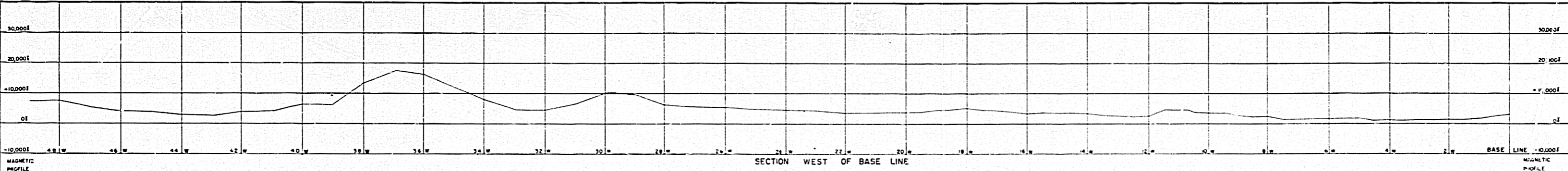
- LEGEND**
- 0 OVERBURDEN
  - 1 CHERTY CARBONATE IRON FORMATION
  - 2 CHERTY MAGNETITE IRON FORMATION
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION  
Hem. hematite enriched Hem. magnetite enriched
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

**QUEBEC JINGAVA MINING**  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
**GEOLOGICAL CROSS SECTION**  
 BLACKIE LAKE  
 SECTION 70S LOOKING NORTH  
 SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY: MDS DRAWING NO: 78-01-04 DATE: DEC/78  
 APPROVED BY: H.E.N.



- LEGEND**
- 0 OVERBURDEN
  - 1 CHERTY CARBONATE IRON FORMATION
  - 2 CHERTY MAGNETITE IRON FORMATION
  - 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 HEMATITE LAKE  
 SECTION L10-005 LOOKING NORTH  
 SCALE IN FEET  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY: MDS DRAWING NO: 78-01-08 DATE: DEC/78  
 APPROVED BY: HEN

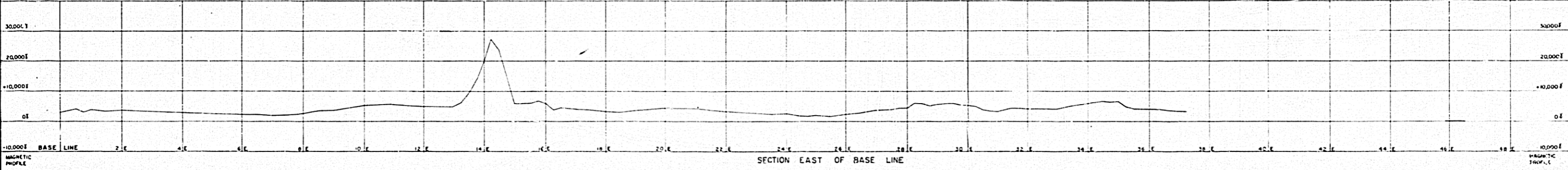


76-31

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. %	SOL FE. REC	-400 MESH
150-170	32.4	22.6	33.5	67.6	69.9	93.6
170-190	32.9	27.4	40.0	68.4	83.2	92.2
190-210	33.7	29.6	42.8	69.2	87.9	93.6
210-230	31.4	26.9	39.0	69.1	85.8	92.6
230-250	33.8	28.9	42.0	69.7	85.4	92.6
250-270	30.6	25.9	37.1	69.7	84.5	92.4
270-290	29.4	21.2	31.9	66.6	72.3	91.4
290-309	28.0	19.2	28.3	67.7	68.4	92.0

76-33

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. %	SOL FE. REC	-400 MESH
100-120	33.9	17.7	26.2	67.4	52.1	92.8
120-140	36.8	19.7	29.0	67.8	53.4	92.8
140-156	30.5	14.6	21.1	69.4	48.0	93.8



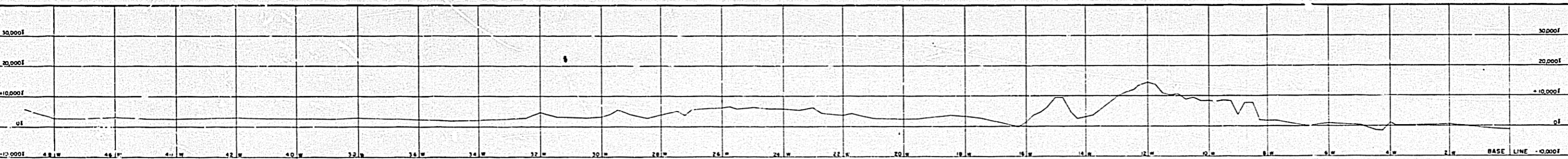
76-30

FOOTAGE	HEAD ASSAY		WEIGHT	DAVIS TUBE CONC. %		
	SOL FE. %	MAG FE. %		SOL FE. %	SOL FE. REC	-400 MESH
110-130	30.8	22.4	32.9	68.1	72.7	93.2
130-150	31.4	22.8	33.1	69.0	72.7	94.0
150-170	37.1	31.6	44.9	70.3	85.1	94.0
170-190	34.9	29.7	42.3	70.2	85.1	94.2
190-210	32.9	29.1	42.0	69.2	88.3	91.2
210-228	22.4	13.8	21.5	62.9	61.5	87.6

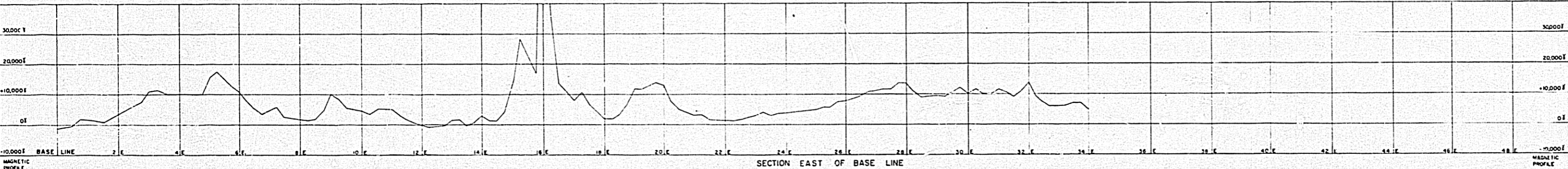
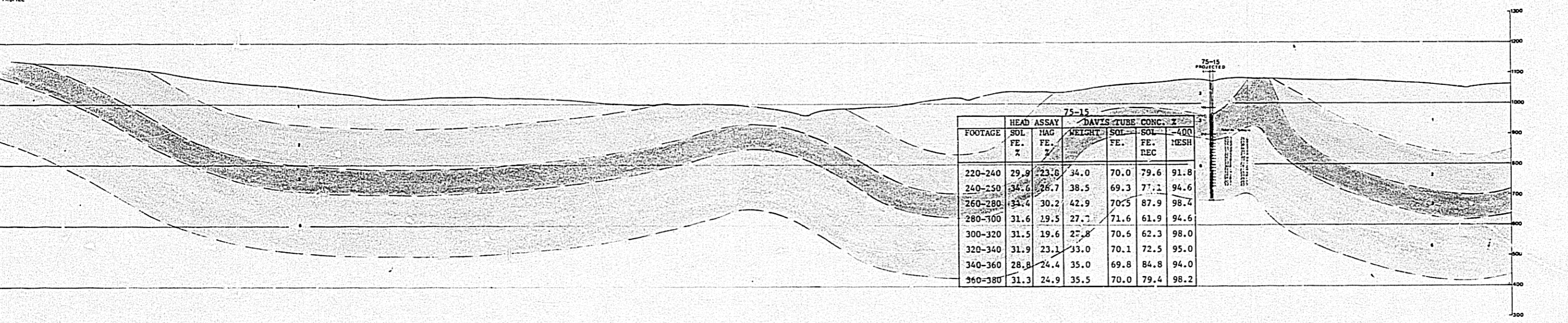
- LEGEND
- 0 OVERBUNDEN
  - 1 CHERTY CARBONATE IRON FORMATION
  - 2 CHERTY MAGNETITE IRON FORMATION
  - 3 SEMIPENTINE-CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER HEMATITE IRON FORMATION
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUENEC CANADA  
 GEOLOGICAL CROSS SECTION  
 HEMATITE LAKE  
 SECTION L30-005 LOOKING NORTH  
 SCALE IN FEET  
 H E NEAL AND ASSOCIATES LTD  
 TORONTO CANADA  
 DRAWN BY MDS  
 APPROVED BY H E N  
 DRAWING NO 76-01-08  
 DATE DEC/76

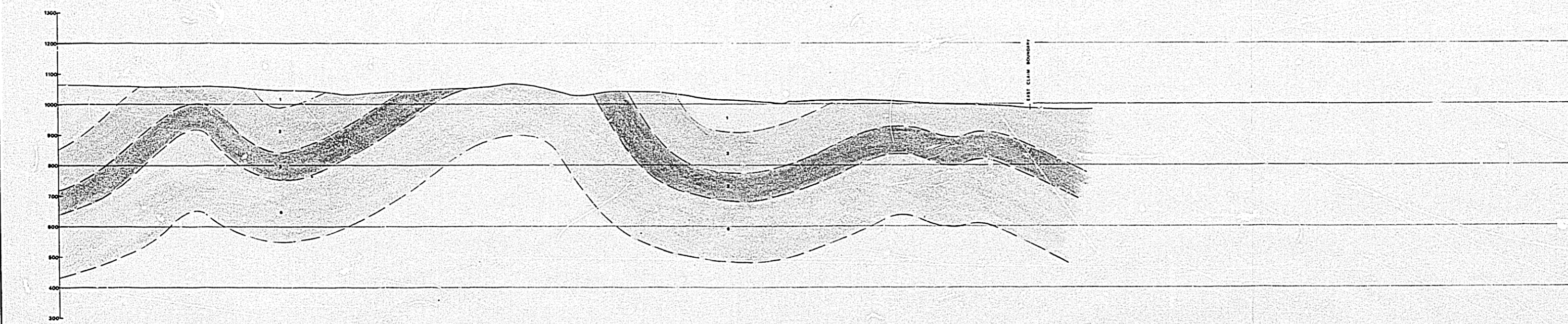




SECTION WEST OF BASE LINE



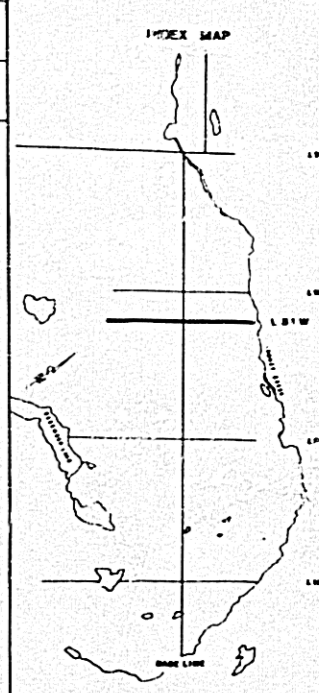
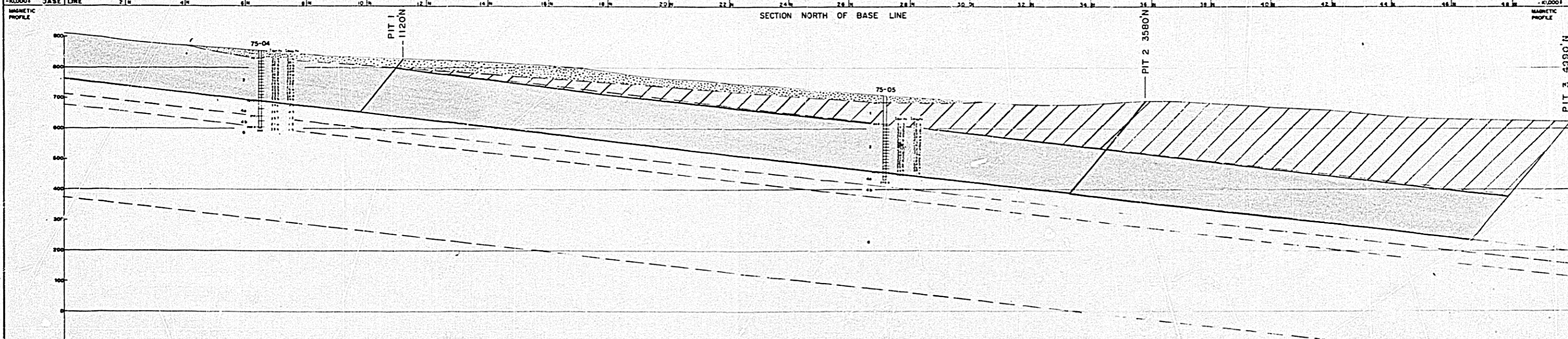
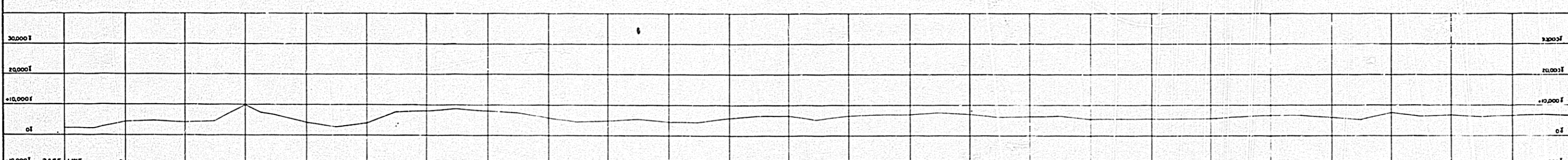
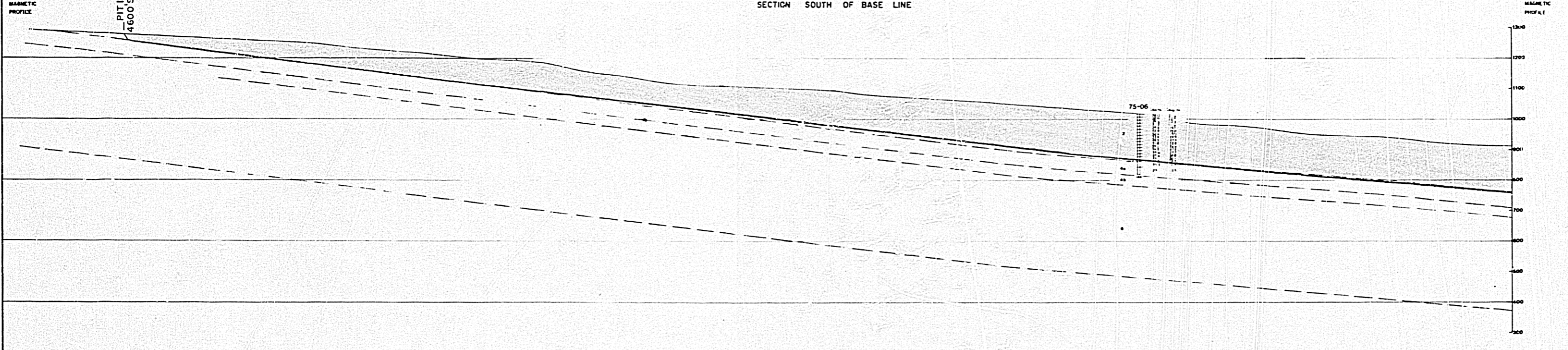
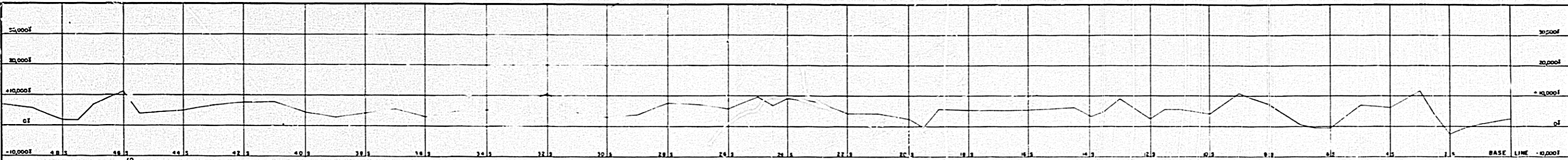
SECTION EAST OF BASE LINE



LEGEND

- 0 OVERBURDEN
- 1 CHERTY CARBONATE IRON FORMATION
- 2 CHERTY MAGNETITE IRON FORMATION
- 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
- 4 UPPER JASPER HEMATITE IRON FORMATION  
Hem. hematite enriched Mag. magnetite enriched
- 5 JASPER CARBONATE
- 6 CHERTY METALLIC IRON FORMATION
- 7 LOWER JASPER HEMATITE IRON FORMATION

QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 HEMATITE LAKE  
 SECTION L50°00S LOOKING NORTH  
 SCALE IN FEET  
 P. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY: MGS DRAWING NO: DATE  
 APPROVED BY: MEN 78-01-07 DEC/78



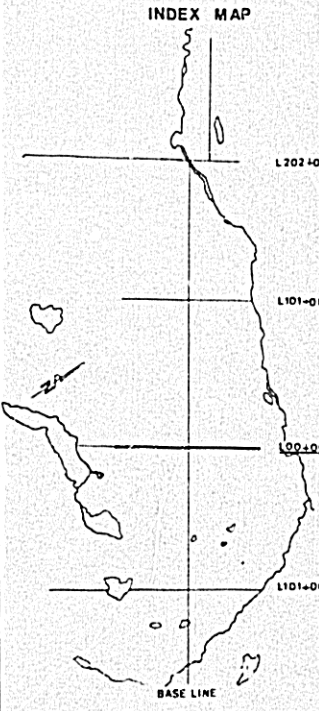
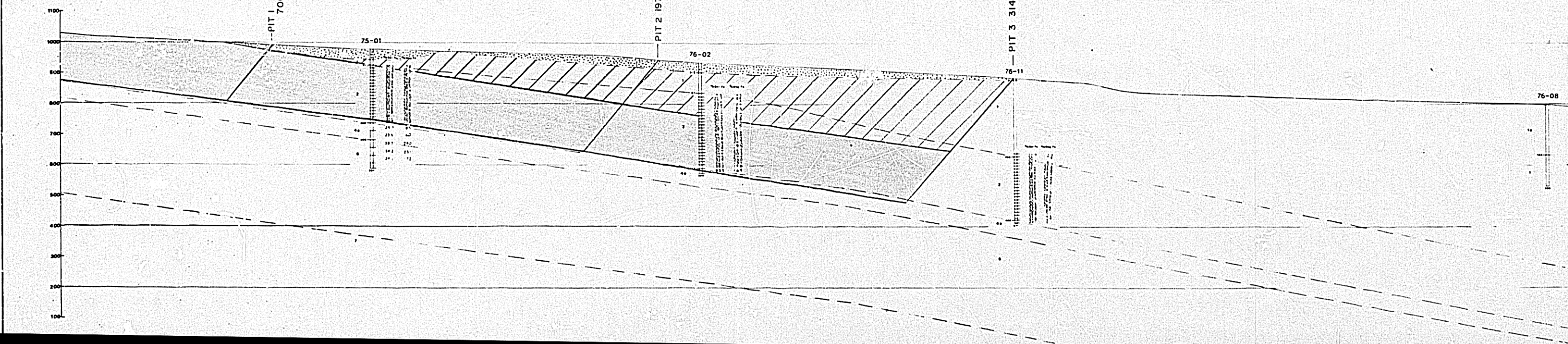
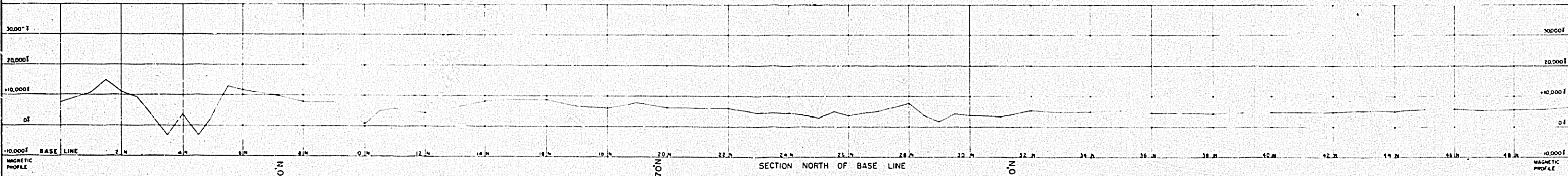
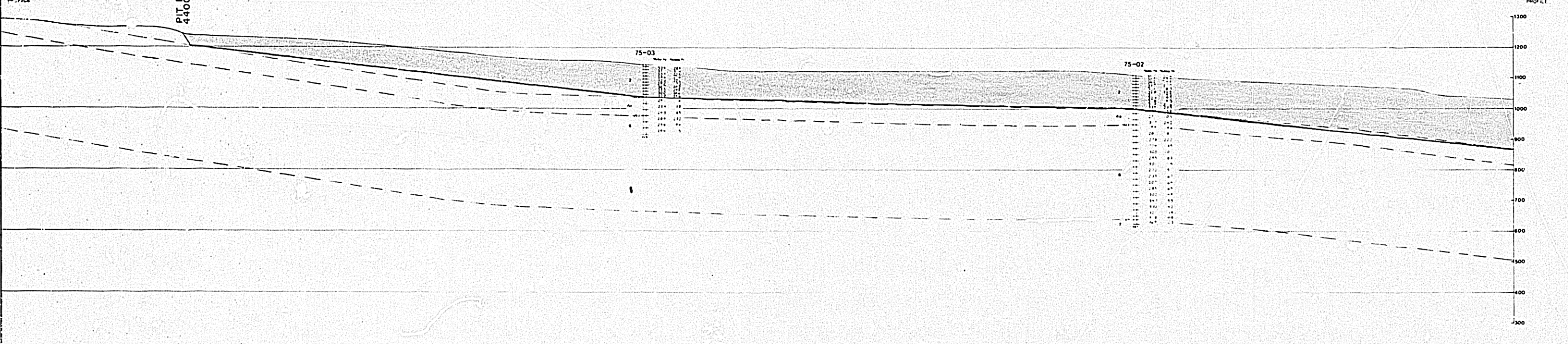
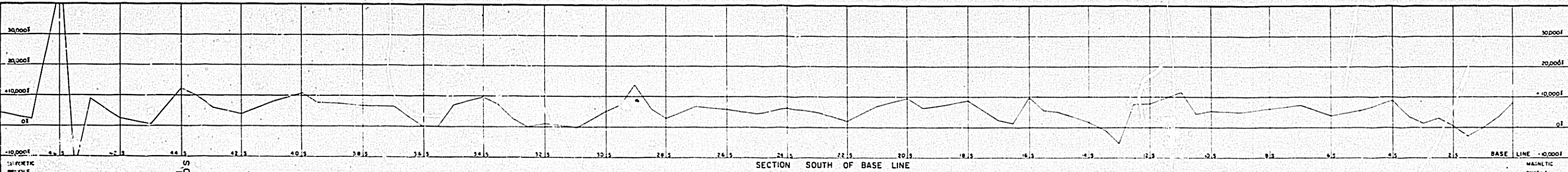
**LEGEND**

- 0 SLATE
- 1 CHERTY CARBONATE IRON FORMATION (all intruded)
- 2 CHERTY MAGNETITE IRON FORMATION (of low SLAT)
- 3 SERPENTINE-CARBONATE VOLCANIC ROCKS
- 4 UPPER JASPER HEMATITE IRON FORMATION (Mg hematite enriched (Mg)-magnetite enriched)
- 5 JASPER CARBONATE
- 6 CHERTY METALLIC IRON FORMATION
- 7 LOWER JASPER HEMATITE IRON FORMATION
- ORE  $\geq 15\%$  Mag Fe
- WASTE Cap Rock
- WASTE Overburden

**TONNAGE ESTIMATE**

QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA  
 GEOLOGICAL CROSS SECTION  
 WEST MAIN ZONE  
 SECTION LBI-00W LOOKING WEST  
 SCALE IN FEET

H. E. REAL AND ASSOCIATES LTD  
 TORONTO CANADA  
 DRAWN BY: MDS DRAWING NO: 77-01-21 DATE: APRIL 77  
 APPROVED BY: H.E.R.



**LEGEND**

0	SLATE
1	CHERTY CARBONATE IRON FORMATION (sl. intrudc)
2	CHERTY MAGNETITE IRON FORMATION (sl. lean chert)
3	SERPENTINE-CARBONATE VOLCANIC ROCKS
4	UPPER JASPER HEMATITE IRON FORMATION (sl. hematite enriched (Mg) magnetite enriched)
5	JASPER-CARBONATE
6	CHERTY METALLIC IRON FORMATION
7	LOWER JASPER HEMATITE IRON FORMATION
OR	OR $\geq 15\%$ Mag Fe
WASTE	Cap Rock
WASTE	Overburden

**TONNAGE ESTIMATE**

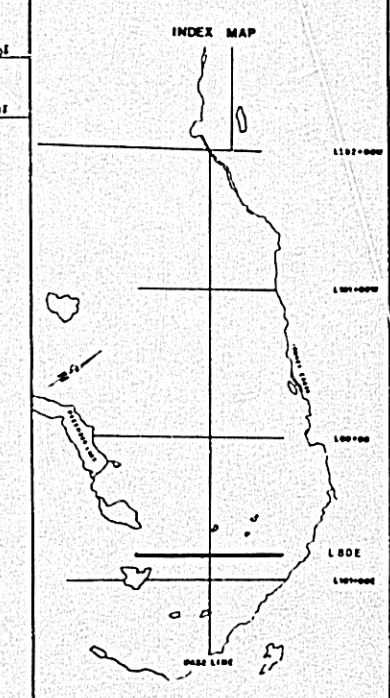
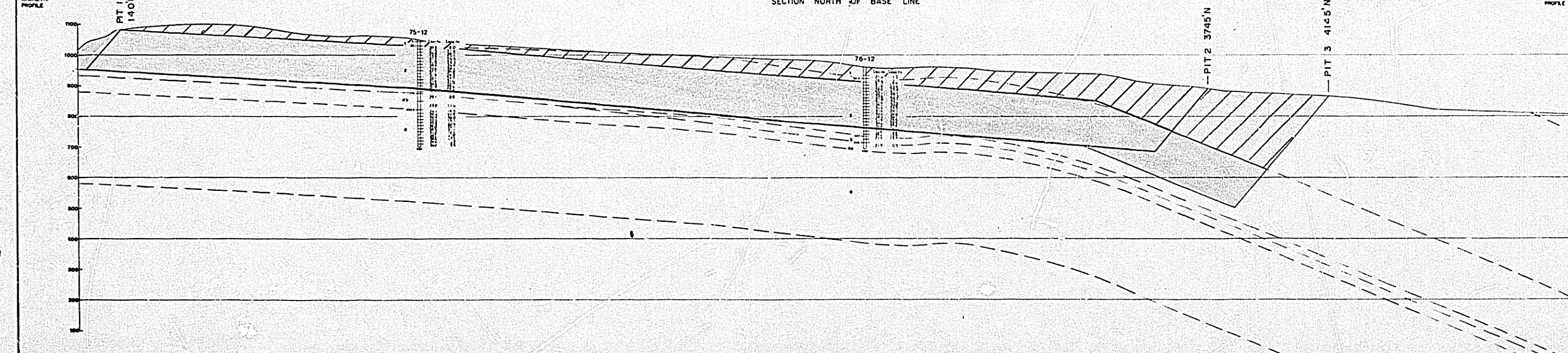
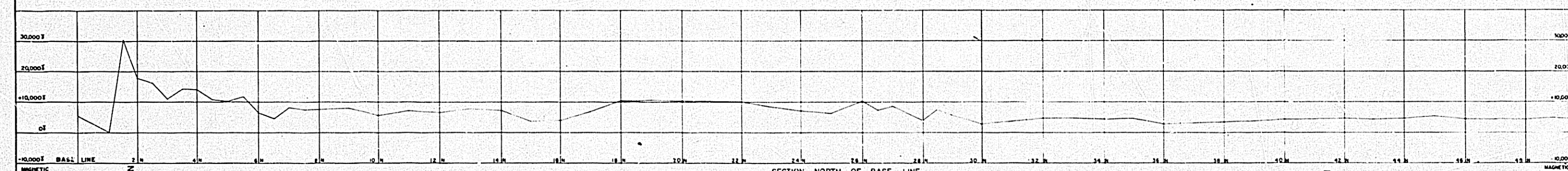
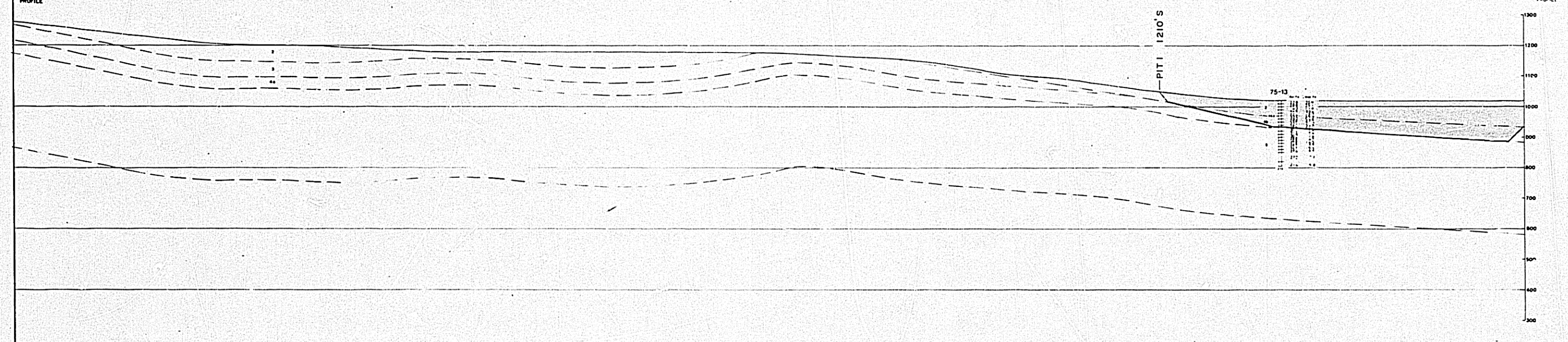
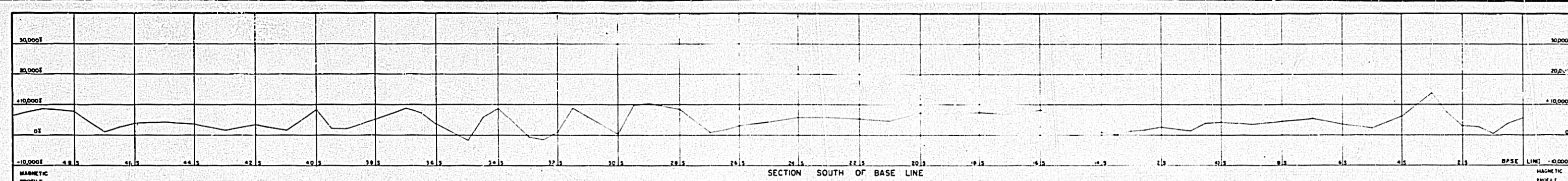
**QUEBEC UNGAVA MINING**  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC CANADA

**GEOLOGICAL CROSS SECTION**  
**MAIN ZONE**  
 SECTION L00-00W LOOKING WEST

SCALE IN FEET

H E REAL AND ASSOCIATES LTD  
 TORONTO CANADA

DRAWN BY: MDS  
 APPROVED BY: J.F.N.  
 DRAWING NO: 72-01-17  
 DATE: APRIL 77



- LEGEND**
- 0 SLATE
  - 1 CHERTY CARBONATE IRON FORMATION (a) Intruded
  - 2 CHERTY MAGNETITE IRON FORMATION (a) Lean chert
  - 3 SERPENTINE - CARBONATE VOLCANIC ROCKS
  - 4 UPPER JASPER NEMATITE IRON FORMATION (a) Magnetite enriched (b) Magnetite enriched
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC IRON FORMATION
  - 7 LOWER JASPER NEMATITE IRON FORMATION
  - ORE > 15% Mag Fe
  - WASTE - Cap Rock
  - WASTE - Overburden

**TONNAGE ESTIMATE**

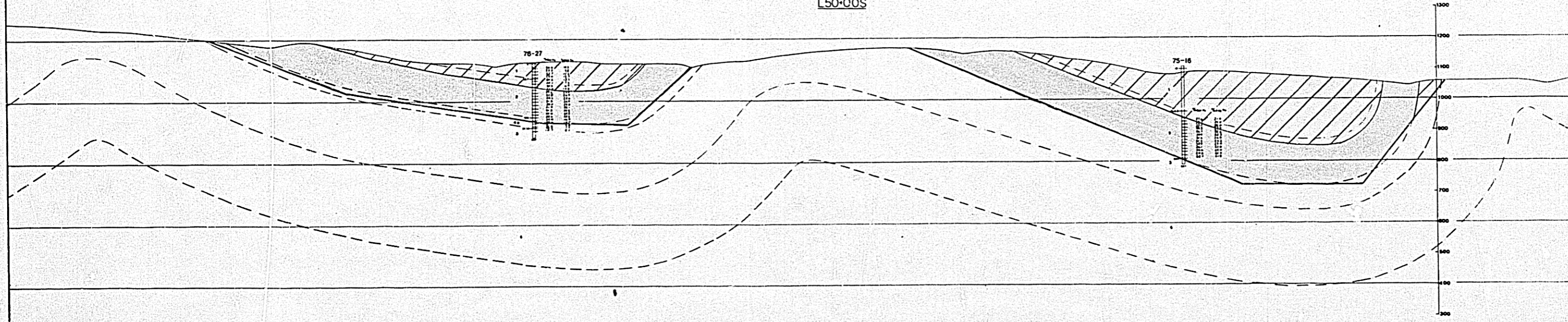
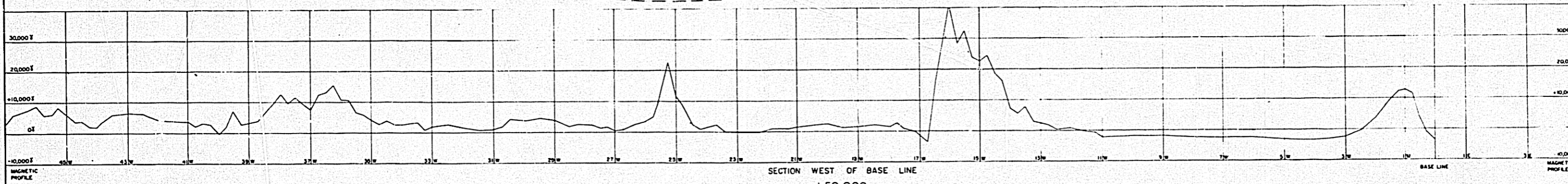
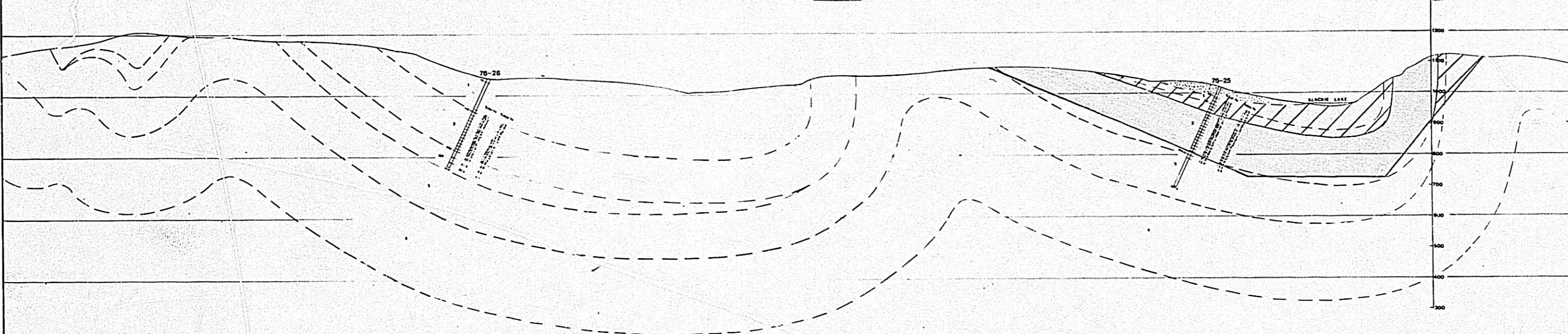
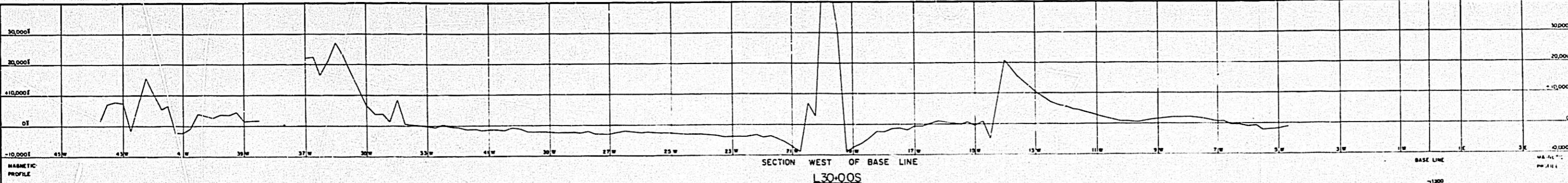
**QUEBEC UNGAVA MINING**  
 KANAPISKAU PROPERTY  
 NEW QUEBEC CANADA

**GEOLOGICAL CROSS SECTION**  
 EAST MAIN ZONE  
 SECTION 80-00 E LOOKING WEST

SCALE IN FEET

K. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA

DRAWN BY: H.S. DRAWING NO. 77-0-12 DATE: APRIL 77  
 APPROVED BY: H.E.R.



**LEGEND**

0	OVERBURDEN
1	CHERTY CARBONATE IRON FORMATION
2	CHERTY MAGNETITE IRON FORMATION
3	SERPENTINE - CARBONATE VOLCANIC ROCKS
4	UPPER JASPER HEMATITE IRON FORMATION
5	JASPER CARBONATE
6	CHERTY METALLIC IRON FORMATION
7	LOWER JASPER HEMATITE IRON FORMATION
8	ORE $\geq 15\%$ Mag Fe
9	WASTE Cap Rock
10	WASTE Overburden

**TONNAGE ESTIMATE**

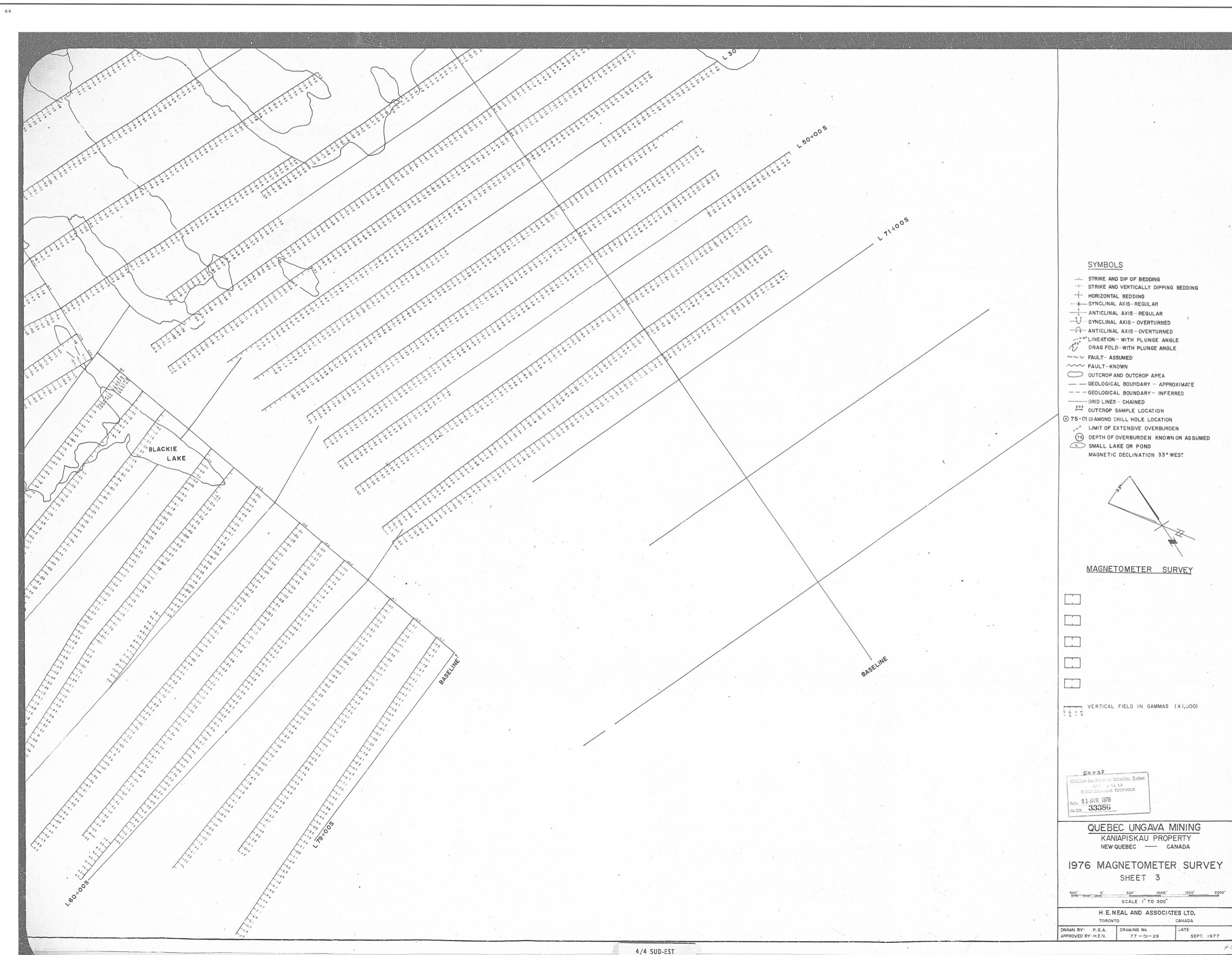
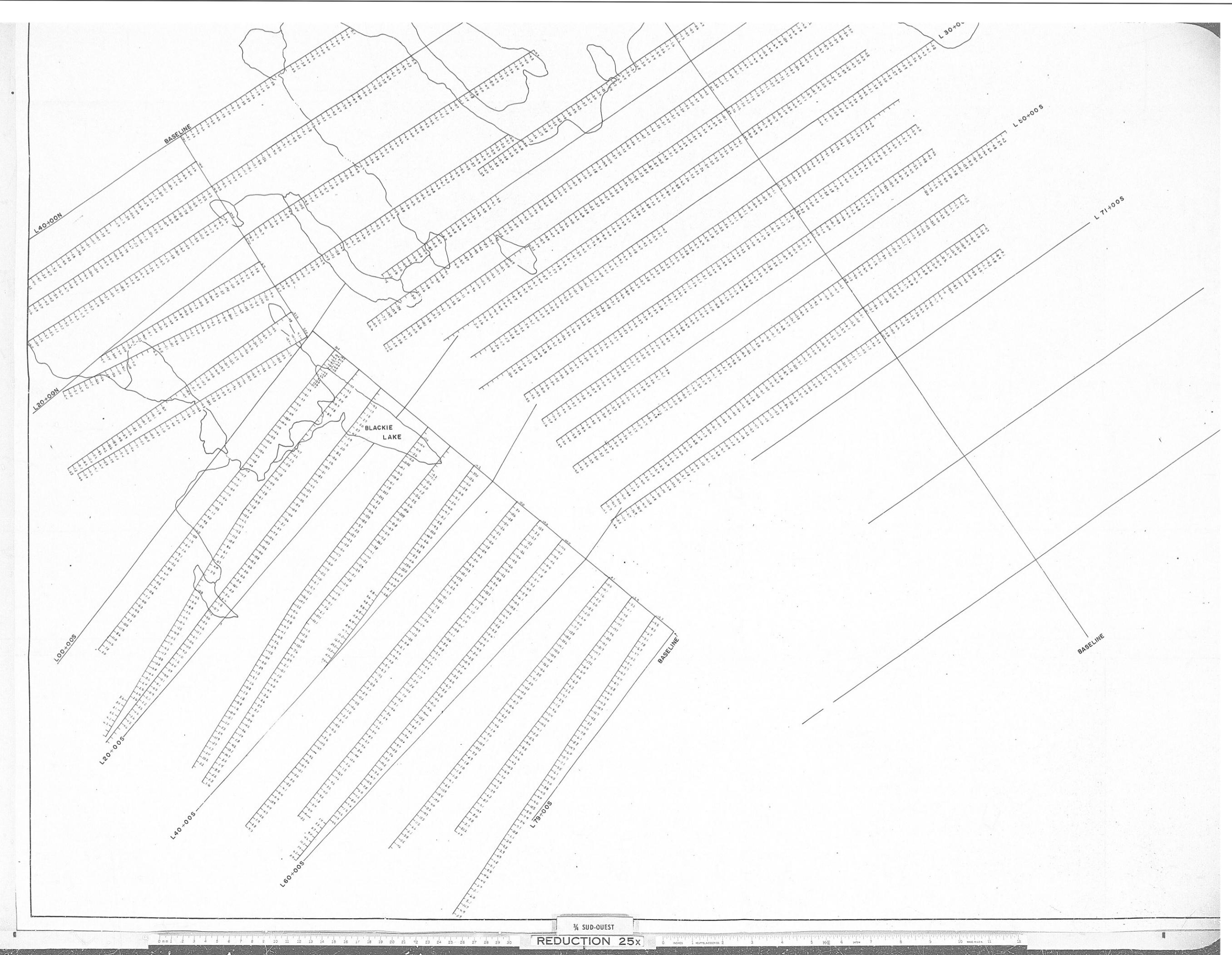
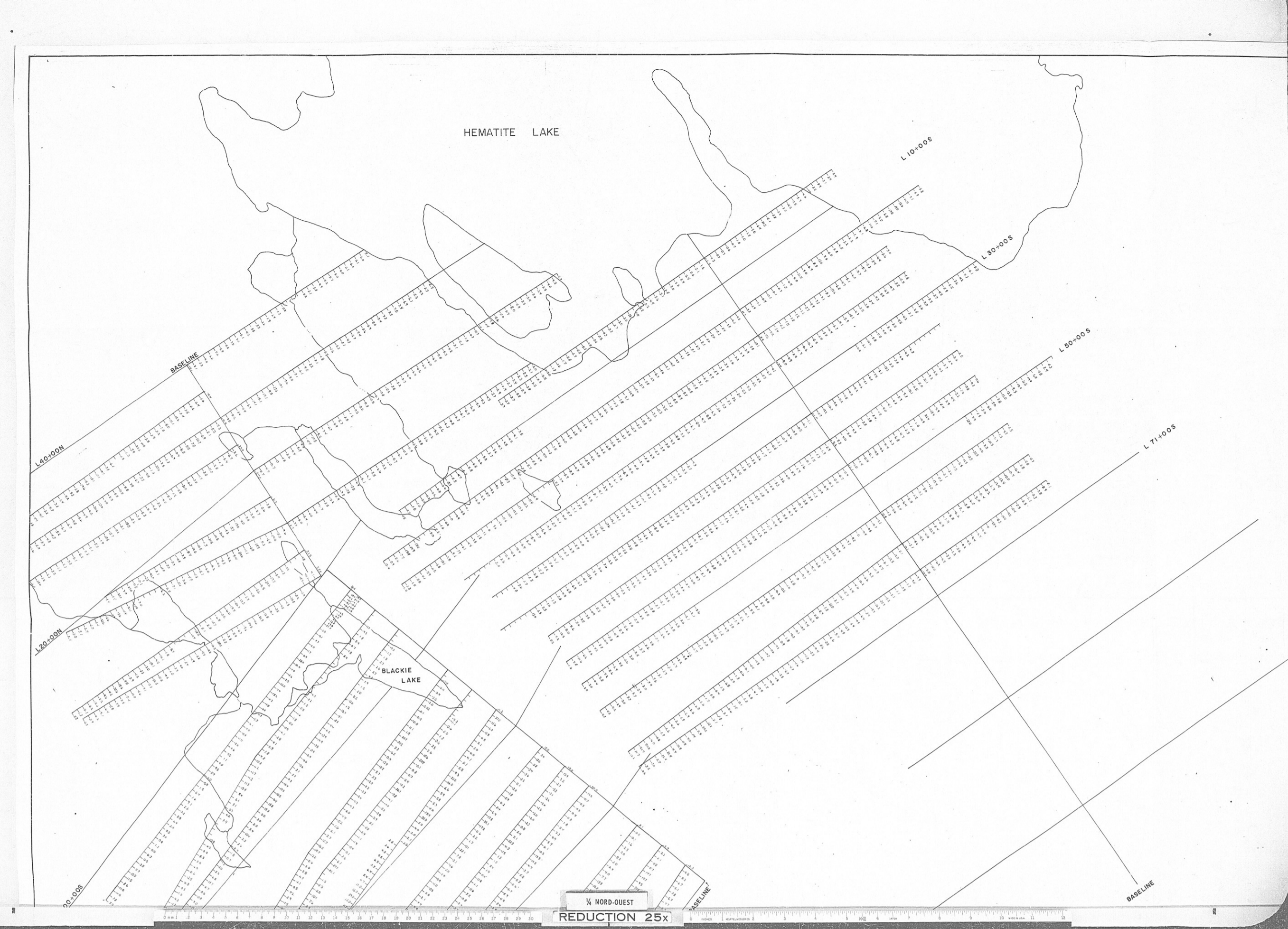
QUEBEC UNGAVA MINING  
KANAPISKAU PROPERTY  
NEW QUEBEC CANADA

**GEOLOGICAL CROSS SECTION**  
BLACKIE LAKE  
SECTION 30S B 50S LOOKING NORTH

SCALE = FEET

H. E. NEAL AND ASSOCIATES LTD  
TORONTO CANADA

DRAWN BY: M.S. DRAWING NO: 77-01-05 DATE: APRIL 77  
APPROVED BY: H.E.N.



SHEET 1 SHEET 2 SHEET 3

**SYMBOLS**

- STRIKE AND DIP OF BEDDING
- STRIKE AND VERTICALLY DIPPING BEDDING
- HORIZONTAL BEDDING
- SYNGENETIC AXIS REGULAR
- ANTICLINAL AXIS REGULAR
- SYNGENETIC AXIS OVERTURNED
- ANTICLINAL AXIS OVERTURNED
- LINEATION WITH PLUNGE ANGLE
- DRAG FOLD WITH PLUNGE ANGLE
- FAULT - KNOWN
- FAULT - ASSUMED
- OUTCROP AND OUTCROP AREA
- GEOLOGICAL BOUNDARY - APPROXIMATE
- GEOLOGICAL BOUNDARY - INFERRED
- FRO LINES - CHAINED
- OUTCROP SAMPLE LOCATION
- 75-DIAMOND DRILL HOLE LOCATION
- LIMIT OF EXTENSIVE OVERBURDEN
- DEPTH OF OVERBURDEN KNOWN OR ASSUMED
- SMALL LAKE OR POND
- MAGNETIC DECLINATION 35° WEST

MAGNETOMETER SURVEY

**SYMBOLS**

- STRIKE AND DIP OF BEDDING
- STRIKE AND VERTICALLY DIPPING BEDDING
- HORIZONTAL BEDDING
- SYNGENETIC AXIS REGULAR
- ANTICLINAL AXIS REGULAR
- SYNGENETIC AXIS OVERTURNED
- ANTICLINAL AXIS OVERTURNED
- LINEATION WITH PLUNGE ANGLE
- DRAG FOLD WITH PLUNGE ANGLE
- FAULT - KNOWN
- FAULT - ASSUMED
- OUTCROP AND OUTCROP AREA
- GEOLOGICAL BOUNDARY - APPROXIMATE
- GEOLOGICAL BOUNDARY - INFERRED
- FRO LINES - CHAINED
- OUTCROP SAMPLE LOCATION
- 75-DIAMOND DRILL HOLE LOCATION
- LIMIT OF EXTENSIVE OVERBURDEN
- DEPTH OF OVERBURDEN KNOWN OR ASSUMED
- SMALL LAKE OR POND
- MAGNETIC DECLINATION 35° WEST

MAGNETOMETER SURVEY

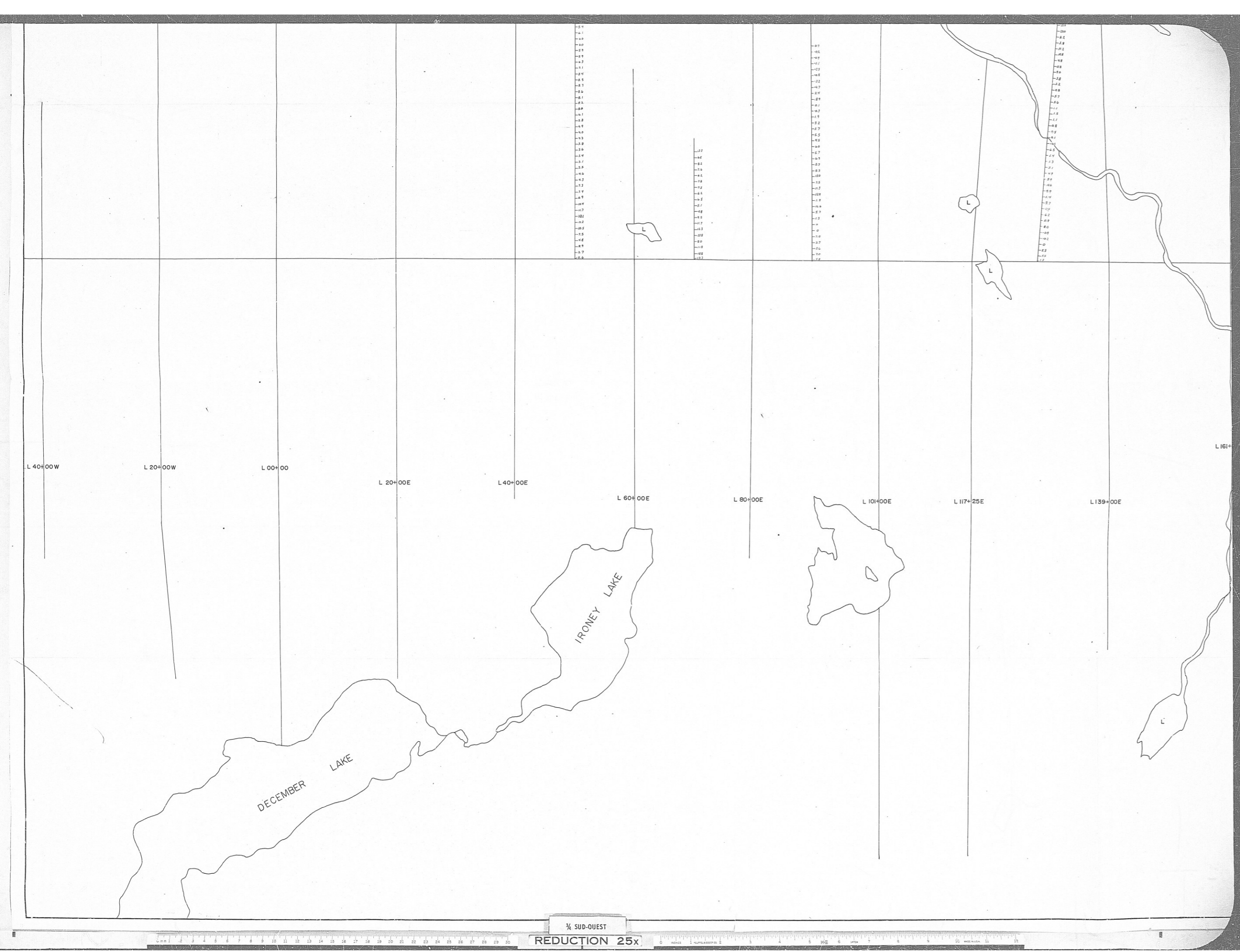
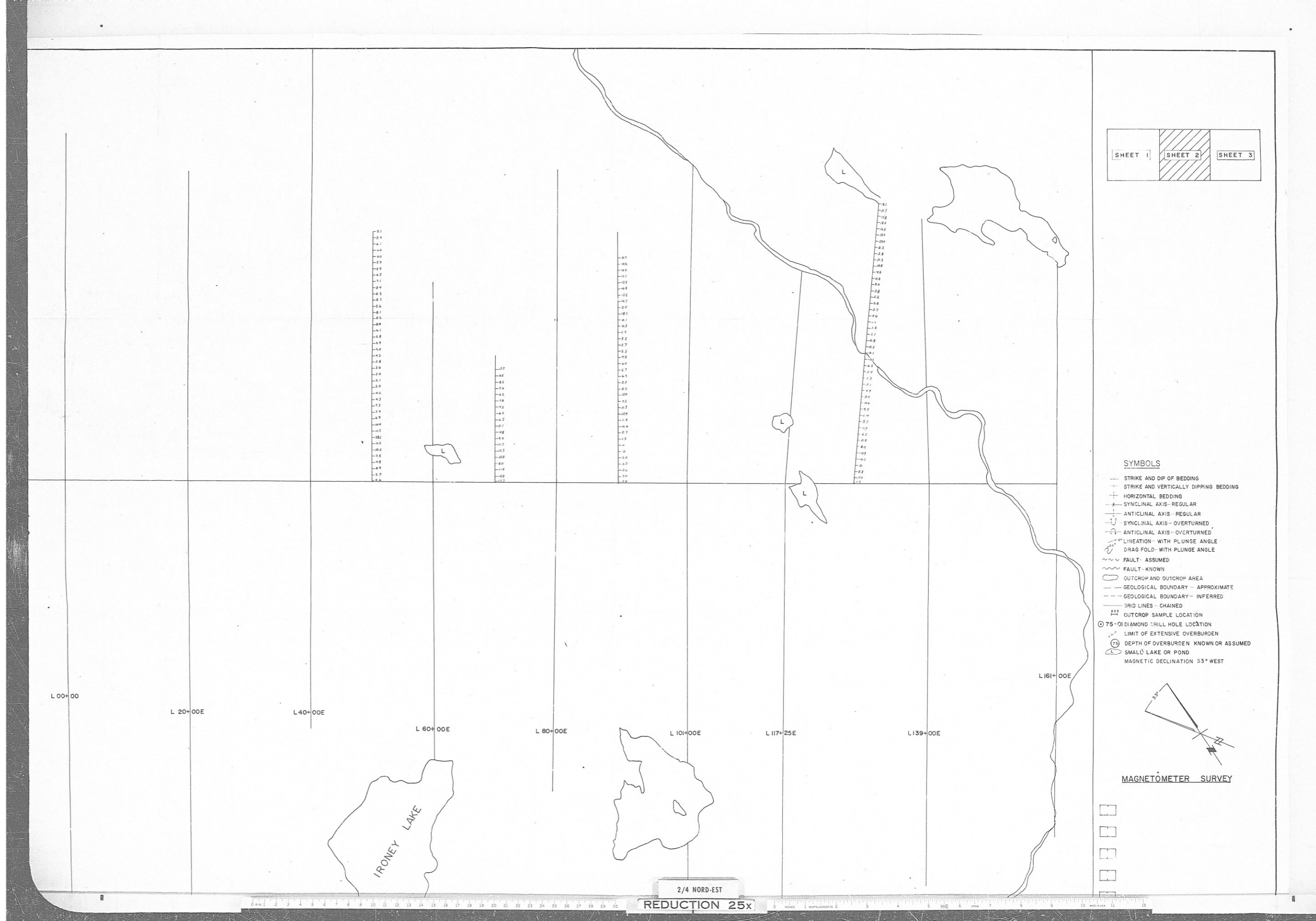
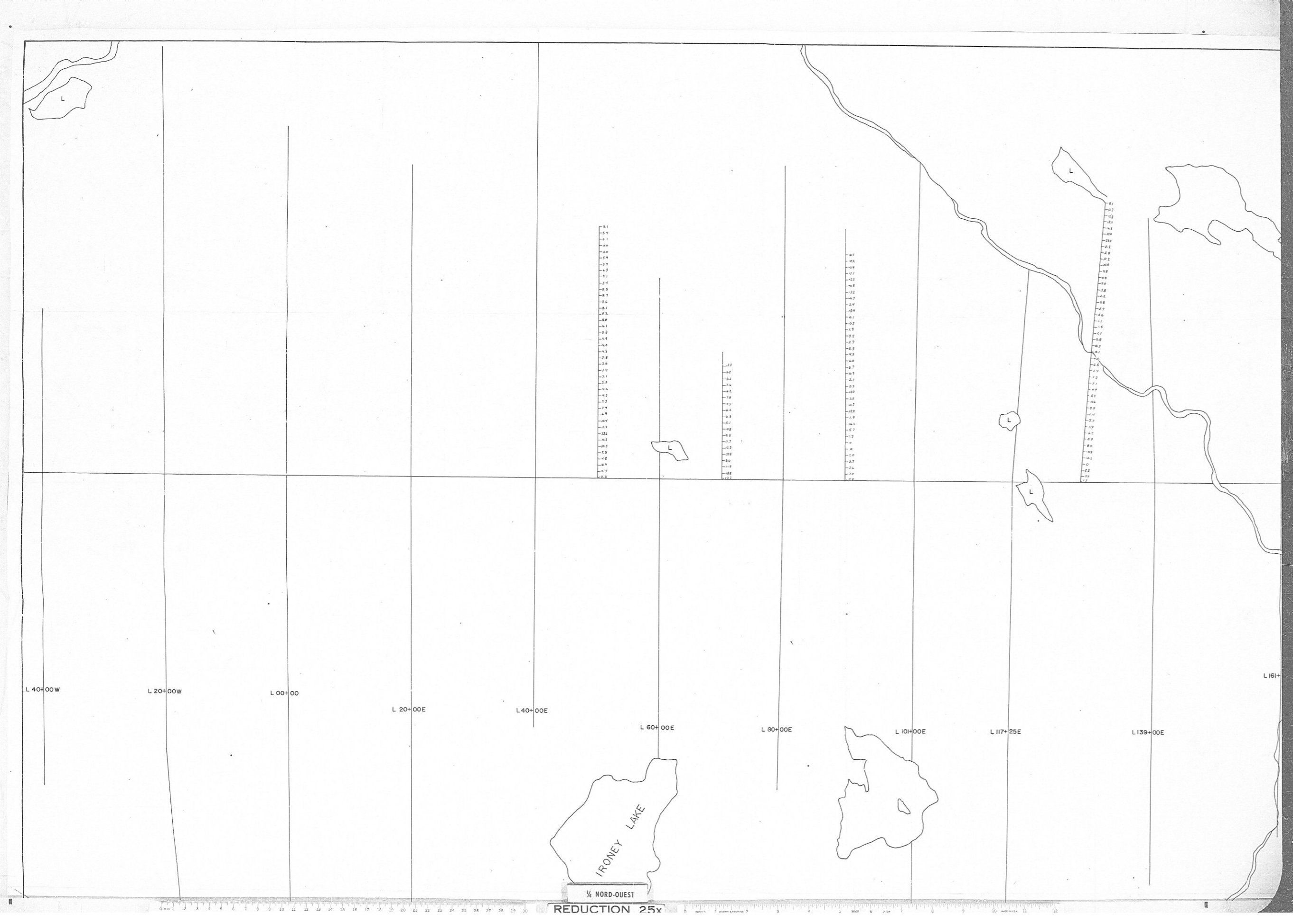
VERTICAL FIELD IN GAMMAS (KJL00)

50 x 37

QUEBEC LANGAVA MINING  
LANDMILITARY PROPERTY  
NEW QUEBEC CANADA

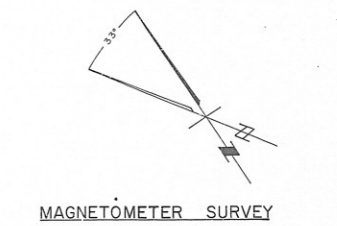
1976 MAGNETOMETER SURVEY  
SHEET 3

H. NEAL AND ASSOCIATES LTD.  
DRAWN BY: P.E.A. DRAWING NO. 17-01-88 DATE: SEPT. 1977  
APPROVED BY: A.E.C.



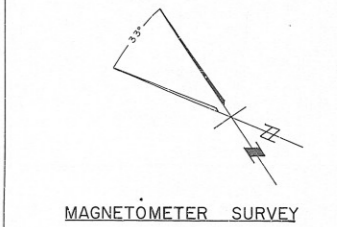
SHEET 1 | SHEET 2 | SHEET 3

- SYMBOLS**
- STRIKE AND DIP OF BEDDING
  - STRIKE AND VERTICALLY DIPPING BEDDING
  - HORIZONTAL BEDDING
  - SYNCLINAL AXIS - REGULAR
  - ANTICLINAL AXIS - REGULAR
  - SYNCLINAL AXIS - OVERTURNED
  - ANTICLINAL AXIS - OVERTURNED
  - DIAS FOLD - WITH PLUNGE ANGLE
  - DIAS FOLD - WITH PLUNGE ANGLE
  - FAULT - ASSUMED
  - FAULT - KNOWN
  - OUTCROP AND OUTDIP AREA
  - GEOLOGICAL BOUNDARY - APPROXIMATE
  - GEOLOGICAL BOUNDARY - INFERRED
  - PRO LINES - CHAINED
  - OUTCROP SAMPLE LOCATION
  - 75'-DIAMOND DRILL HOLE LOCATION
  - LIMIT OF EXTENSIVE OVERBURDEN
  - DEPTH OF OVERBURDEN - KNOWN OR ASSUMED
  - SMALL LAKE OR POND
  - MAGNETIC DECLINATION 33° WEST



MAGNETOMETER SURVEY

- SYMBOLS**
- STRIKE AND DIP OF BEDDING
  - STRIKE AND VERTICALLY DIPPING BEDDING
  - HORIZONTAL BEDDING
  - SYNCLINAL AXIS - REGULAR
  - ANTICLINAL AXIS - REGULAR
  - SYNCLINAL AXIS - OVERTURNED
  - ANTICLINAL AXIS - OVERTURNED
  - DIAS FOLD - WITH PLUNGE ANGLE
  - DIAS FOLD - WITH PLUNGE ANGLE
  - FAULT - ASSUMED
  - FAULT - KNOWN
  - OUTCROP AND OUTDIP AREA
  - GEOLOGICAL BOUNDARY - APPROXIMATE
  - GEOLOGICAL BOUNDARY - INFERRED
  - PRO LINES - CHAINED
  - OUTCROP SAMPLE LOCATION
  - 75'-DIAMOND DRILL HOLE LOCATION
  - LIMIT OF EXTENSIVE OVERBURDEN
  - DEPTH OF OVERBURDEN - KNOWN OR ASSUMED
  - SMALL LAKE OR POND
  - MAGNETIC DECLINATION 33° WEST



MAGNETOMETER SURVEY

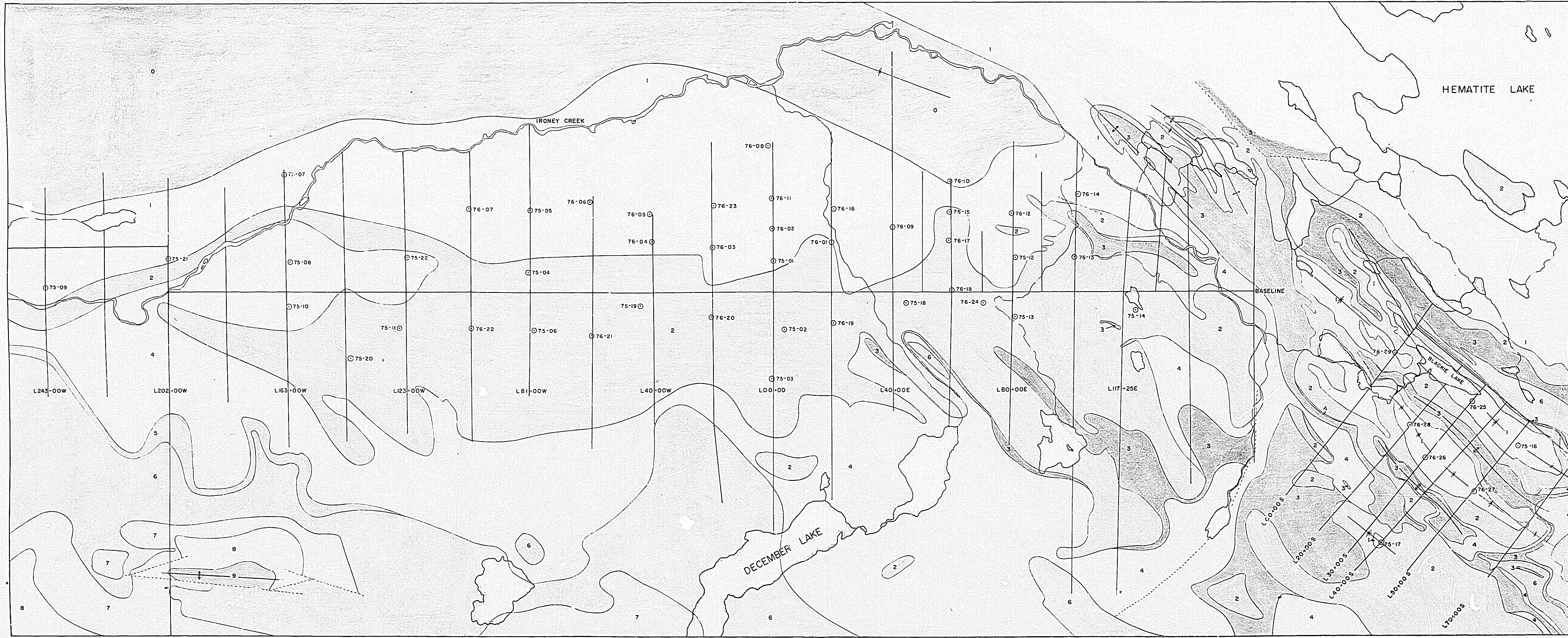
33396

QUEBEC UNGAVA MINING  
KANGAPISKAU PROPERTY  
NEW QUEBEC - CANADA

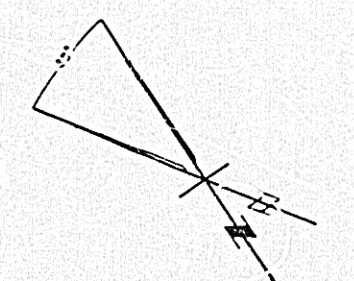
1976 MAGNETOMETER SURVEY  
SHEET 2

H. E. NEAL AND ASSOCIATES LTD.  
DRAWN BY: P. S. A. DATE: 1976  
APPROVED BY: H. E. N. DATE: 1976

35 mm



- SYMBOLS**
- + SYCNCLINAL AXIS
  - ⊕ ANTICLINAL AXIS
  - FAULT ASSUMED
  - ~ GEOLOGICAL BOUNDARY
  - GRID LINES - CHAINED
  - DIAMOND DRILL HOLE LOCATION
  - ◌ LAKE OR POND



- LEGEND**
- 0 MENIHEK SLATE
  - 1 CHERTY CARBONATE I.F. - Mainly a silicate carbonate matrix.
  - 2 CHERTY MAGNETIC I.F. - Mainly chert magnetite with minor carbonate
  - 3 SERPENTINE CARBONATE INTRUSIVE - Mainly coarse to fine grained dykes and sills
  - 4 UPPER JASPER HEMATITE I.F. - Chiefly a jasper hematite iron formation with some magnetite enriched zones
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC I.F. - Mainly disseminated to banded hematite magnetite chert (or jasper) iron formation
  - 7 LOWER JASPER HEMATITE I.F. - Banded and brecciated jasper hematite iron formation
  - 8 QUARTZITES & ARGILLITES - Thin bedded to massive, carbonaceous, hematitic argillites and quartzites
  - 9 GRANITE

GM-33386

30 x 11  
QUEBEC UNGAVA MINING

NEW QUEBEC - CANADA  
GEOLOGICAL COMPILATION MAP  
MAIN ZONE & BLACKIE LAKE ZONE



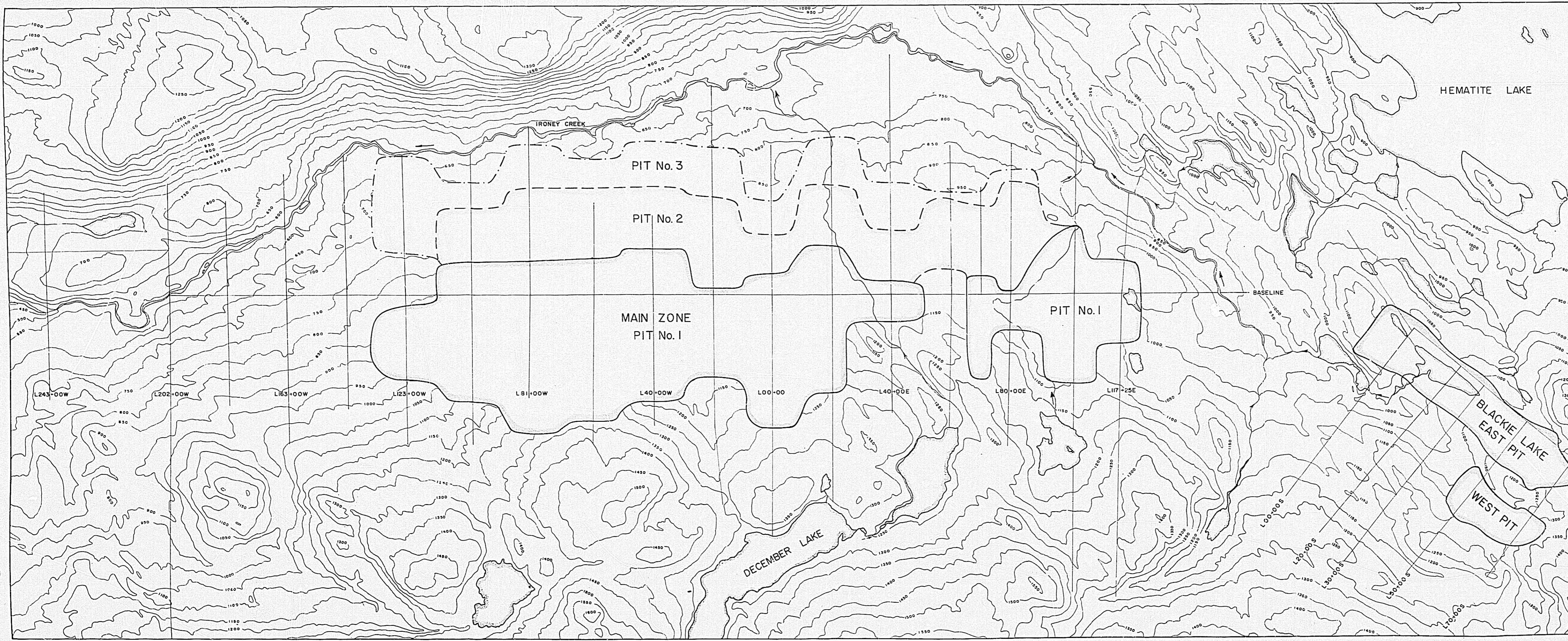
H. E. NEAL AND ASSOCIATES LTD.  
TORONTO CANADA

DRAWN BY: P.G.A.    DRAWING NO: 77-01-01    DATE: MAY 1977  
APPROVED BY: H.E.N.

35 mm



35 MW



HEMATITE LAKE

IRONEY CREEK

PIT No. 3

PIT No. 2

MAIN ZONE  
PIT No. 1

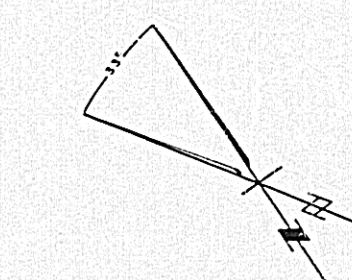
PIT No. 1

BASELINE

DECEMBER LAKE

BLACKIE LAKE  
EAST PIT

WEST PIT



**LEGEND**

- GRID LINE
- LAKE OR POND
- - - CONTOUR LINE

CONTOUR INTERVAL IS 50 FT.  
ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL

Ministère des Richesses Naturelles, Québec  
SERVICE DE LA  
DOCUMENTATION TECHNIQUE

Date: 21 AVR 1978  
No GM: 33386

30 X 11

**QUEBEC UNGAVA MINING**

NEW QUEBEC — CANADA

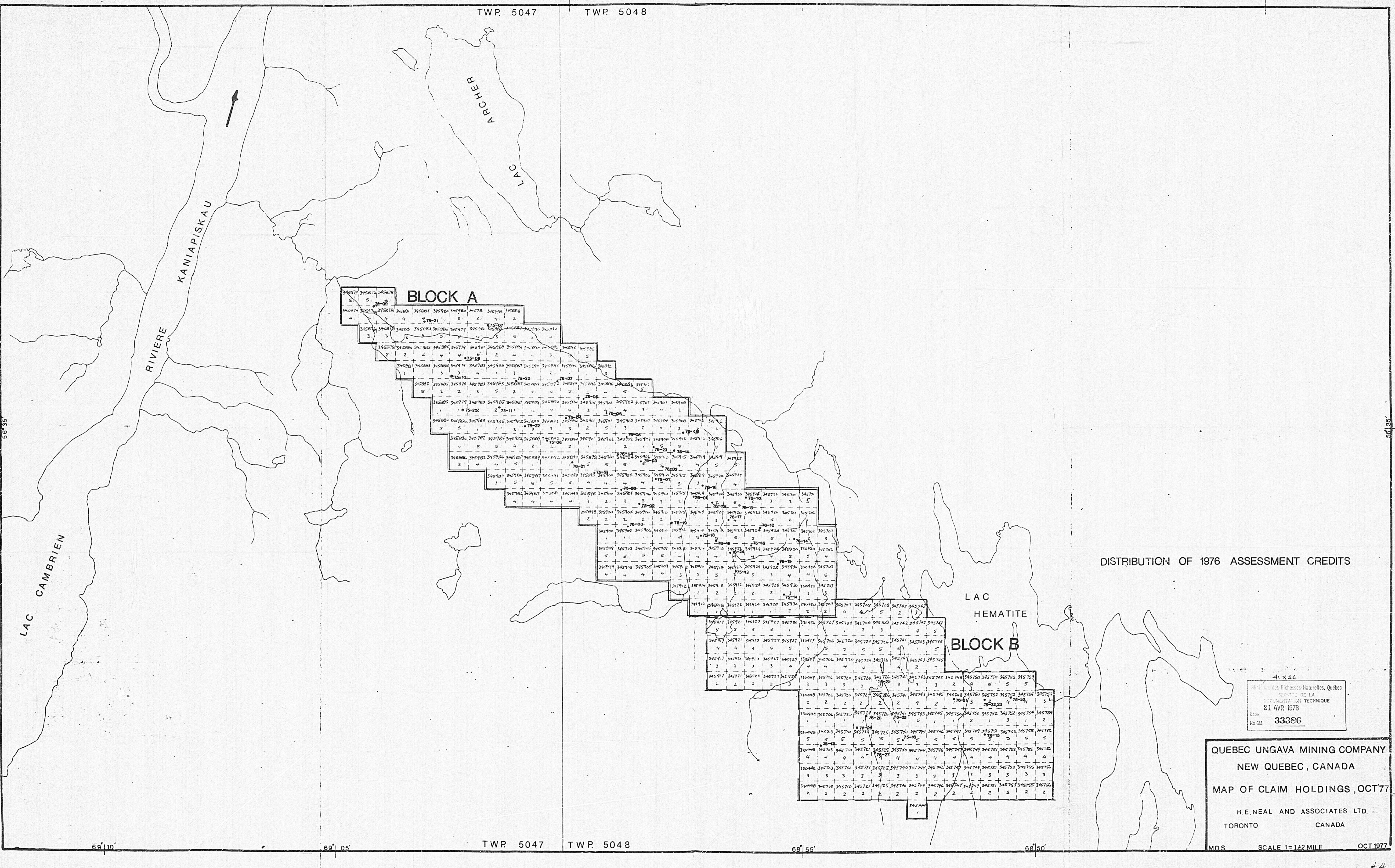
**PIT PLAN**  
MAIN ZONE & BLACKIE LAKE ZONE

SCALE IN FEET

H. E. NEAL AND ASSOCIATES LTD.  
TORONTO CANADA

DRAWN BY: P.G.A. DRAWING No. 77-01-28 DATE: MAY 1977  
APPROVED BY: H.E.N.

TWP. 5047 TWP. 5048



DISTRIBUTION OF 1976 ASSESSMENT CREDITS

41 x 26  
 Ministère des Richesses Naturelles, Québec  
 SERVICE DE LA  
 DOCUMENTATION TECHNIQUE  
 21 AVR 1978  
 Date:  
 No. C.M.: 33386

**QUEBEC UNGAVA MINING COMPANY**  
 NEW QUEBEC, CANADA  
 MAP OF CLAIM HOLDINGS, OCT 77  
 H.E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 M.D.S. SCALE 1=1/2 MILE OCT 1977

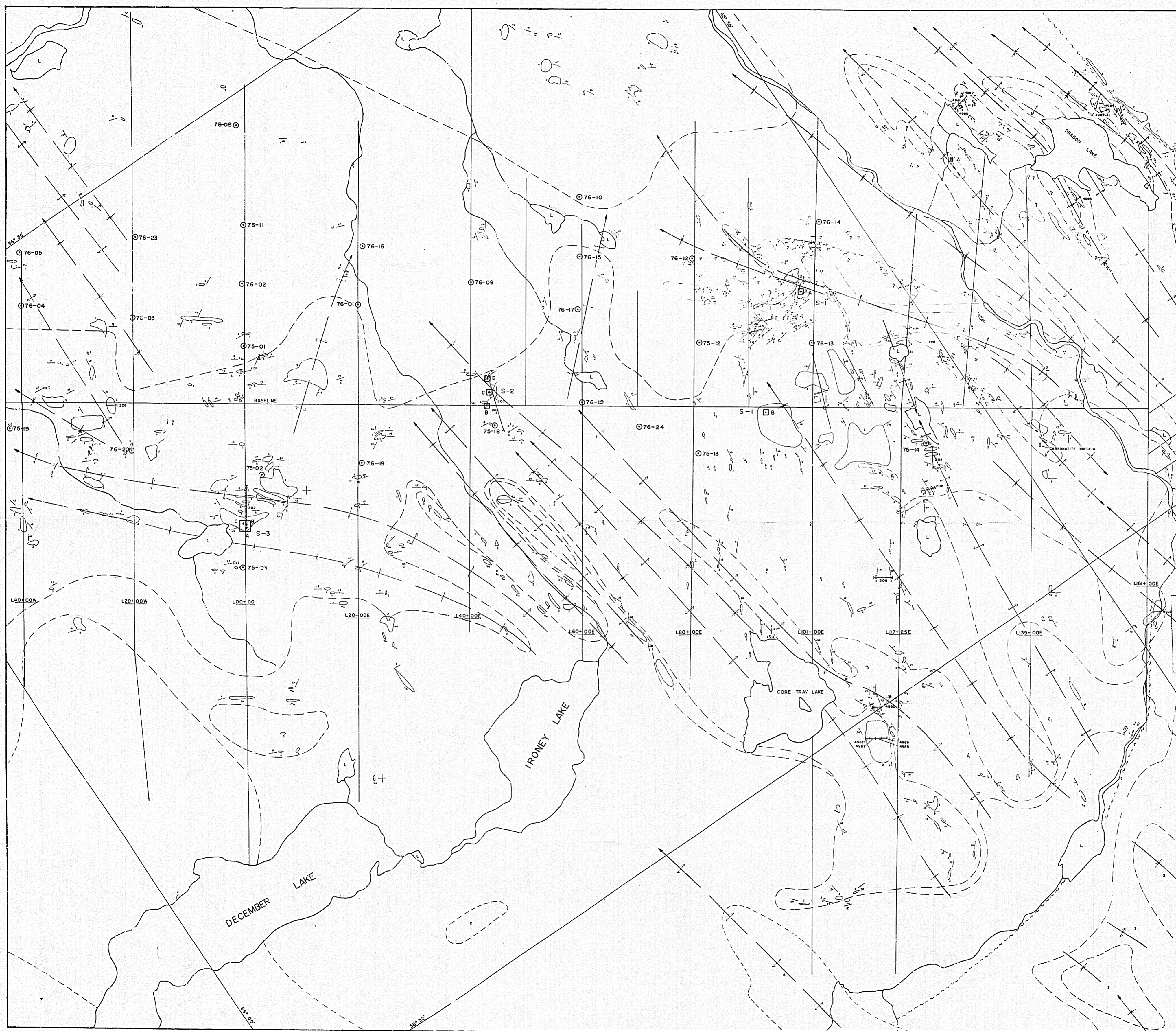
68°10'

69°05'

TWP. 5047 TWP. 5048

68°55'

68°50'



- SYMBOLS**
- STRIKE AND DIP OF BEDDING
  - STRIKE AND VERTICALLY DIPPING BEDDING
  - HORIZONTAL BEDDING
  - SYNCLINAL AXIS REGULAR
  - ANTICLINAL AXIS REGULAR
  - SYNCLINAL AXIS OVERTURNED
  - ANTICLINAL AXIS OVERTURNED
  - FOLD WITH PLUNGE ANGLE
  - FOLD WITH PLUNGE ANGLE
  - FAULT ASSUMED
  - FAULT KNOWN
  - OUTCROP AND OUTCROP AREA
  - GEOLOGICAL BOUNDARY APPROXIMATE
  - GEOLOGICAL BOUNDARY INFERRED
  - FOLD LINES CHAINED
  - OUTCROP SAMPLE LOCATION
  - 75-DIAMOND HILL HOLE LOCATION
  - LIMIT OF EXTENSIVE OVERBURDEN
  - DEPTH OF OVERBURDEN KNOWN OR ASSUMED
  - SMALL LAKE OR POND
  - MAGNETIC DECLINATION 33° WEST
  - 1977 BULK SAMPLE LOCATION

Ministère des Richesses Naturelles, Québec  
 SERVICE DE LA DOCUMENTATION TECHNIQUE  
 Date: 21 AVR 1978  
 No GM: 33386

- LEGEND**
- 0 MENIHEK SLATE
  - 1 CHERTY CARBONATE I F - Mainly a silicate carbonate member (a) intruded cherty carbonate
  - 2 CHERTY MAGNETIC I F - Mainly chert magnetite with minor carbonate (a) lean chert and (b) a Hematite enriched member
  - 3 SERPENTINE CARBONATE INTRUSIVE - Mainly coarse to fine grained volcanic dykes and sills (a) minor brachioid intrusive with jasper fragments
  - 4 UPPER JASPER HEMATITE I F - (a) Chiefly banded jasper hematite iron formation and (b) magnetite enriched (brachioid zone)
  - 5 JASPER CARBONATE
  - 6 CHERTY METALLIC I F - Mainly disseminated to banded hematite - magnetite - chert (or jasper) iron formation
  - 7 LOWER JASPER HEMATITE I F - Banded and brachioid jasper - hematite iron formation
  - 8 QUARTZITES & ARGILLITES - Thin bedded to massive, carbonaceous, hematitic argillites and quartzites.
  - 9 GRANITE

QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC — CANADA

GEOLOGICAL MAP  
 SHEET 2

SCALE 1" TO 1000'  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 DRAWN BY P.G.A.    DRAWING NO. 76-01-02    DATE OCT. 1977  
 APPROVED BY H.E.N.



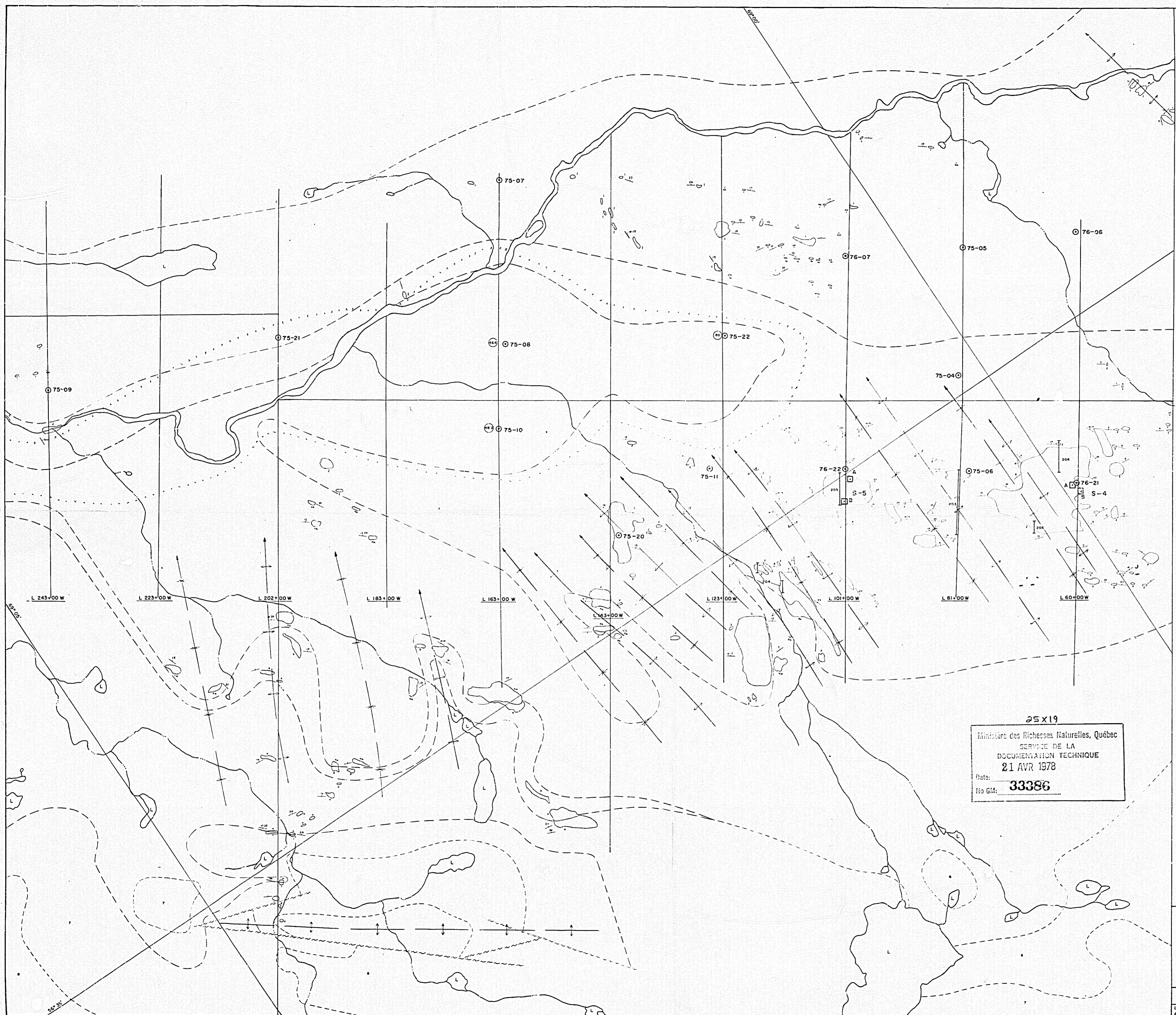
SHEET 1    SHEET 2    SHEET 3

- SYMBOLS**
- STRIKE AND DIP OF BEDDING
  - STRIKE AND VERTICALLY DIPPING BEDDING
  - HORIZONTAL BEDDING
  - SYNCLINAL AXIS - REGULAR
  - ANTICLINAL AXIS - REGULAR
  - SYNCLINAL AXIS - OVERTURNED
  - ANTICLINAL AXIS - OVERTURNED
  - LINEATION - WITH PLUNGE ANGLE
  - DRAG FOLD - WITH PLUNGE ANGLE
  - FAULT - ASSUMED
  - FAULT - KNOWN
  - OUTCROP AND OUTCROP AREA
  - GEOLOGICAL BOUNDARY - APPROXIMATE
  - GEOLOGICAL BOUNDARY - INFERRED
  - GRID LINES - CHAINED
  - OUTCROP SAMPLE LOCATION
  - 75-DIAMOND DRILL HOLE LOCATION
  - LIMIT OF EXTENSIVE OVERBURDEN
  - DEPTH OF OVERBURDEN KNOWN OR ASSUMED
  - SMALL LAKE OR POND
  - MAGNETIC DECLINATION 33° WEST
  - 1977 BULK SAMPLE LOCATION

25 X 19  
 Ministère des Richesses Naturelles, Québec  
 SERVICE DE LA DOCUMENTATION TECHNIQUE  
 Date: 21 AVR 1978  
 No GM: 33386

- LEGEND**
- 0 MENIHEK SLATE
  - 1 CHERTY CARBONATE I.F. - Mainly a silicate carbonate member - (a) intruded cherty carbonate
  - 2 CHERTY MAGNETIC I.F. - Mainly cherty magnetite with minor carbonate (a) Lean chert and (b) a hematite enriched member
  - 3 SERPENTINE CARBONATE INTRUSIVE - Mainly coarse to fine grained volcanic dykes and sills (a) minor bracciated intrusive with Jasper fragments
  - 4 UPPER JASPER HEMATITE I.F. - (a) Chiefly banded Jasper hematite iron formation and (b) magnetite enriched (bracciated zone)
  - 5 JASPER CARBONATE
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  - 9 GRANITE

QUEBEC UNGAVA MINING  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC - CANADA  
 GEOLOGICAL MAP  
 SHEET 3  
 SCALE 1" TO 1000'  
 H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA  
 Drawn by: P.G.A.    Checked by: H.E.N.    Date: 1977  
 Approved by: H.E.N.    76-01-63    DATE: OCT. 1977



- SYMBOLS**
- STRIKE AND DIP OF BEDDING
  - STRIKE AND VERTICALLY DIPPING BEDDING
  - HORIZONTAL BEDDING
  - ANTICLINAL AXIS - REGULAR
  - ANTICLINAL AXIS - OVERTURNED
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  - GEOLOGICAL BOUNDARY - INFERRED
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  - OUTCROP SAMPLE LOCATION
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  - LIMIT OF EXTENSIVE OVERBURDEN
  - DEPTH OF OVERBURDEN KNOWN OR ASSUMED
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  - 1977 BULK SAMPLE LOCATION

- LEGEND**
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  - 4 UPPER JASPER HEMATITE I.F. - (a) Chiefly banded jasper - hematite iron formation and (b) magnetite enriched (brecciated zones)
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  - 9 GRANITE

25 X 19  
 Ministère des Richesses Naturelles, Québec  
 SERVICE DE LA  
 DOCUMENTATION TECHNIQUE  
 21 AVR 1978  
 Date: \_\_\_\_\_  
 No GM: **33386**

**QUEBEC UNGAVA MINING**  
 KANIAPISKAU PROPERTY  
 NEW QUEBEC — CANADA

**GEOLOGICAL MAP**  
 SHEET 1

SCALE 1" TO 1000'

H. E. NEAL AND ASSOCIATES LTD.  
 TORONTO CANADA

DRAWN BY: P.G.A. & R.S.J. DRAWING NO. DATE  
 APPROVED BY: H.E.N. 76-01-01 CCT 1977