

TECK EXPLORATIONS LIMITED

NORTH BAY, ONTARIO



52K13SE0016 2.13612 DIXIE LAKE

010

2.13612

ASSESSMENT REPORT
ON
GEOPHYSICAL SURVEYS
DIXIE LAKE PROPERTY
DIXIE LAKE AREA

OCT 24 1990

MINING LANDS SECTION

by

Jim Janzen

Report No. 1120NB

N.T.S. 52 K/13

10-01-90

INTRODUCTION

The Dixie Lake property consists of 141 unpatented mining claims. Seventy-three of these claims (see Figure 1) are due for assessment and are the subject of this report. During the late summer and fall of 1989 a grid was cut on the claims and magnetic and VLF-EM surveys were completed on the lines.

LOCATION AND ACCESS

The property is located 24 km southeast of Red Lake, Ontario. The property is easily accessed by Tuzaks Road branching off of Hwy 105.

TOPOGRAPHY AND VEGETATION

Relief on the property is predominantly low with minor rolling hills. Mature vegetation on the property generally consists of spruce with lesser poplar, birch and jack pine stands. Large portions of the claim areas have been logged out during the past years. Most of these sections have been replanted with spruce and jack pine.

WORK PERFORMED

A grid was cut and a magnetometer and VLF-EM survey were completed by Independent Exploration Services Ltd. covering all claims. Lines were cut at 100 m intervals and picketed at 25 m stations.

Magnetometer and VLF-EM readings were taken at 12.5 m intervals on all

cross lines, tie lines and base lines using an EDA OMNI-IV Plus instrument. The readings were corrected for diurnal drift, plotted and contoured. Cutler, Seattle and Annapolis stations were used as the transmitters for the VLF survey.

RESULTS

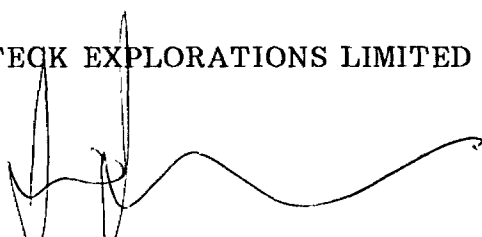
A total of 21 conductors (Table 1) have been identified on the Dixie Lake grid, nine are interpreted to be caused by graphitic argillite (defined by previous drilling), or by surficial conductivity. Conductors II, III, VI, VIII, IX, XI, XII, XIV, XV, XIX, XX and XXI are interpreted as possible bedrock conductors of unknown source (See Drawings in pocket and Table 1). Conductors II, III, XIV and XV are considered the better exploration targets. They are between 250 to 500 metres long, are moderate to strong in strength, and have associative magnetic anomalies.

RECOMMENDATIONS

Conductors II, III, XIV and IV should be drill tested.

Respectfully submitted,

TECK EXPLORATIONS LIMITED



Jim Janzen

October 1, 1990

REP-0046/ec

TABLE 1

Conductor Characteristics
Dixie Lake Main Grid

CONDUCTOR DESIGNATION	FROM	TO	LENGTH	STRENGTH	COMMENTS
I	17+50mS/13+10mE	12+00mS/12+00mE	550m	Moderate	Possible bedrock
II	13+50mS/ 9+50mE	16+50mS/11+35mE	250m	Moderate to strong	Possible bedrock
III	22+00mS/ 9+25mE	16+50mS/ 8+25mE	550m	Moderate	Possible bedrock
IV	25+00mS/ 5+00mE	12+00mS/ 0+90mW	1500m	Moderate to strong	Bedrock
V	8+00mS/ 7+25mW	7+75mS/10+25mW	400m	Strong	Bedrock
VI	6+70mS/ 3+12mW	5+60mS/ 4+05mW	1+50m	Moderate	Possible bedrock
VII	11+10mS/ 9+20mW	11+00mS/12+50mW	330m	Weak	Possible bedrock
VIII	9+75mS/10+65mS	8+90mS/14+25mW	370m	Moderate	Bedrock
IX	8+70mS/13+30mW	6+65mS/18+70mW	570m	Moderate	Possible bedrock
X	7+00mS/20+25mW	6+75mS/25+30mW	510m	Weak	Probably surficial
XI	5+80mS/14+50mW	5+35mS/18+30mW	330m	Strong	Possible bedrock
XII	4+50mS/17+80mW	4+10mS/21+35mW	335m	Strong	Possible bedrock
XIII	4+65mS/10+10mW	4+00mS/15+25mW	425m	Moderate to strong	Possible bedrock
XIV	1+10mS/12+15mW	0+60mN/16+10mW	430m	Moderate	Possible bedrock
XV	0+40mS/16+60mW	0+50mS/21+05mW	450m	Moderate to strong	Possible bedrock
XVI	1+40mN/21+00mW	1+47mN/23+70mW	275m	Moderate	Probably surficial
XVII	2+10mN/11+75mW	3+55mN/22+00mW	1040m	Moderate to strong	Possible bedrock
XVIII	3+30mN/13+55mW	3+95mN/17+45mW	390m	Moderate to strong	Bedrock
XIX	6+80mN/15+80mW	6+50mN/19+40mW	350m	Moderate to strong	Possible bedrock
XX	9+10mN/15+80mW	9+20mN/17+50mW	175m	Weak to Moderate	Probably surficial
XXI	7+25mN/26+90mW	Open	160m	Strong	Possible bedrock

List of Claims

KRL 1023076
KRL 1023077
KRL 1023085
KRL 1023086
KRL 1023087
KRL 1023088
KRL 1023089
KRL 1023090
KRL 1023092
KRL 1023093
KRL 1023094
KRL 1023095
KRL 1023096
KRL 1023127
KRL 1056792
KRL 1056793
KRL 1056794
KRL 1056795
KRL 1056796
KRL 1056797
KRL 1056798
KRL 1056799
KRL 1056800
KRL 1056801

KRL 1056802
KRL 1056803
KRL 1056804
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KRL 1056808
KRL 1056809
KRL 1056810
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KRL 1056814
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KRL 1056883
KRL 1056884
KRL 1056885
KRL 1056886
KRL 1056887
KRL 1056888
KRL 1056889
KRL 1056890
KRL 1056891
KRL 1056892
KRL 1056893
KRL 1056894
KRL 1056895
KRL 1056896

OMNI PLUS VLF/Magnetometer System

EDA



Major Benefits of the OMNI PLUS

- Combined VLF/Magnetometer/Gradiometer System
- No Orientation Required
- Three VLF Magnetic Parameters Recorded
- Automatic Calculation of Fraser Filter
- Calculation of Ellipticity
- Automatic Correction of Primary Field Variations
- Measurement of VLF Electric Field



Mining Act

Report of Work
(Geophysical, Geological and Geochemical Surveys)

Type of Survey(s) Geophysical (Mag & VLF-EM)	Mining Division Red Lake	Township or Area Dixie Lake Area
Recorded Holder(s) National Trust Company	Prospector's Licence No. T1164	
Address 21 King Street East, Toronto, Ontario		Telephone No. 416-361-3611
Survey Company Independent Exploration Services		
Name and Address of Author (of Geo-Technical Report) K. Thorsen, 2189 Algonquin Ave., North Bay, Ontario P1B 4Z3		Date of Survey (from & to) 01 06 89 05 12 89

2.13612
HSC 183

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey:	- Electromagnetic	40
Enter 40 days. (This includes line cutting)	- Magnetometer	20
For each additional survey: using the same grid:	- Other	
Enter 20 days (for each)	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	
Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Other	
Total miles flown over claim(s)		
Date	Recorded Holder or Agent (Signature)	
Sept 13 1990	K. Thorsen	

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
SEE ATTACHED LIST					
RECEIVED					
OCT 16 1990					
MINING LANDS SECTION					
Total number of mining claims covered by this report of work.					73

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying
K. Thorsen, 2189 Algonquin Ave., North Bay, Ontario P1B 4Z3

Telephone No. **705-474-5500** Date **August 27, 1990** Certified by (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded 4380	Date Recorded Aug 31/90	Mining Recorder <i>[Signature]</i> Mining Recorder
	Date Approved as Recorded <i>See Revised Job Statement</i>	Provincial Manager, Mining Lands

Received Stamp

RECEIVED
SEP 19 1990
RED LAKE
MINING DIV.

RECEIVED
AUG 31 1990
RED LAKE
MINING DIV.

List of Claims

KRL 1023076	KRL 1056802	KRL 1056860
KRL 1023077	KRL 1056803	KRL 1056861
KRL 1023085	KRL 1056804	KRL 1056862
KRL 1023086	KRL 1056805	KRL 1056863
KRL 1023087	KRL 1056806	KRL 1056864
KRL 1023088	KRL 1056807	KRL 1056865
KRL 1023089	KRL 1056808	KRL 1056866
KRL 1023090	KRL 1056809	KRL 1056867
KRL 1023092	KRL 1056810	KRL 1056868
KRL 1023093	KRL 1056812	KRL 1056881
KRL 1023094	KRL 1056813	KRL 1056882
KRL 1023095	KRL 1056814	KRL 1056883
KRL 1023096	KRL 1056815	KRL 1056884
KRL 1023127	KRL 1056816	KRL 1056885
KRL 1056792	KRL 1056848	KRL 1056886
KRL 1056793	KRL 1056849	KRL 1056887
KRL 1056794	KRL 1056850	KRL 1056888
KRL 1056795	KRL 1056851	KRL 1056889
KRL 1056796	KRL 1056854	KRL 1056890
KRL 1056797	KRL 1056855	KRL 1056891
KRL 1056798	KRL 1056856	KRL 1056892
KRL 1056799	KRL 1056857	KRL 1056893
KRL 1056800	KRL 1056858	KRL 1056894
KRL 1056801	KRL 1056859	KRL 1056895
		KRL 1056896

RECEIVED
SEP 19 1990
RED LAKE
MINING DIV.

RECEIVED
AUG 31 1990
MINING DIV.



2. 18612

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geophysical, EM and Mag
Township or Area Dixie Lake Area
Claim Holder(s) National Trust Company
Survey Company Independent Exploration Services Ltd.
Author of Report J. Janzen
Address of Author 2189 Algonquin Ave., North Bay, Ont.
Covering Dates of Survey August 5 to October 15/90
Total Miles of Line Cut 121.5 km = 75.5 miles

MINING CLAIMS TRAVERSED
List numerically

Table with columns for (prefix) and (number). Contains 'See Attached List' and a 'TOTAL CLAIMS 73' entry at the bottom.

If space insufficient, attach list

Table with columns: SPECIAL PROVISIONS CREDITS REQUESTED, Geophysical, DAYS per claim. Includes entries for Electromagnetic (40), Magnetometer (20), Radiometric, and Other.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: October 9, 1990 SIGNATURE: Author of Report or Agent

Res. Geol. Qualifications

Previous Surveys

Table with columns: File No., Type, Date, Claim Holder. Multiple empty rows for data entry.

TOTAL CLAIMS 73

ONTARIO

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations 9518 Number of Readings Mag - 9518; VLF-EM - 9518

Station interval 12.5 m Line spacing 100 m (25 m locally)

*Profile scale VLF-EM 1 cm = 20%

Contour interval Mag - 20 gammas

MAGNETIC

Instrument OMNI PLUS

Accuracy - Scale constant 1 gamma

Diurnal correction method Stationary Base Station

Base Station check-in interval (hours) 10 seconds

Base Station location and value Line 19+00N; 1+00mW 59,000

ELECTROMAGNETIC

Instrument OMNI PLUS

Coil configuration Vertical

Coil separation Infinite

Accuracy ±1%

Method: [X] Fixed transmitter [] Shoot back [] In line [] Parallel line

Frequency Seattle Washington NLK 24.8 KHZ (specify V.L.F. station)

Parameters measured Inphase and Quadrature components of secondary field.

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method [] Time Domain [] Frequency Domain

Parameters - On time Frequency

- Off time Range

- Delay time

- Integration time

Power

Electrode array

Electrode spacing

Type of electrode

SELF POTENTIAL

Instrument _____ Range _____
Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____
Values measured _____
Energy windows (levels) _____
Height of instrument _____ Background Count _____
Size of detector _____
Overburden _____
(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____
Instrument _____
Accuracy _____
Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____
Instrument(s) _____
(specify for each type of survey)
Accuracy _____
(specify for each type of survey)
Aircraft used _____
Sensor altitude _____
Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____
Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
159 Cedar Street, 4th Floor
SUDBURY, Ontario
P3E 6A5

Telephone: (705) 670-7264
Fax: (705) 670-7262

Your File: W9002.104
Our File : 2.13612

December 14, 1990

Mining Recorder
Ministry of Northern Development and Mines
Ontario Government Building
Box 324
RED LAKE, Ontario
POV 2MO

Dear Madam/Sir:

RE: Notice of Intent dated November 7, 1990 for Geophysical
(Electromagnetic & Magnetometer) Surveys submitted on
Mining Claim KRL 1023076 et al in Dixie Lake Area.

The assessment work credits, as listed with the above
mentioned Notice of Intent have been approved as of the above
date.

Please inform the recorded holder of these mining claims and
so indicate on your records.

Yours sincerely

R. C. Gashinski
for R. C. Gashinski
A/Provincial Manager, Mining Lands
Mines and Minerals Division

LJ/dvl
Enclosure

cc: Mr. W. D. Tieman
Mining and Lands Commissioner
Toronto, Ontario

Resident Geologist
Red Lake, Ontario

National Trust Company
Toronto, Ontario

K. Thorsen
North Bay, Ontario



Recorded Holder
National Trust Company
Township or Area
Dixie Lake Area

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic <u>40</u> days	KRL 1023076, 1023085, 1023087, 1023089 - 090 incl. 1023092 - 096 incl. 1023127
Magnetometer _____ days	1056792 - 806 incl. 1056808 - 810 incl. 1056815
Radiometric _____ days	1056849 - 850 incl. 1056854 - 868 incl. 1056881 - 885 incl. 1056889 - 891 incl. 1056894 - 896 incl.
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

20 days electromagnetic on KRL 1023077, 1023086, 1056812, 1056848, 1056888

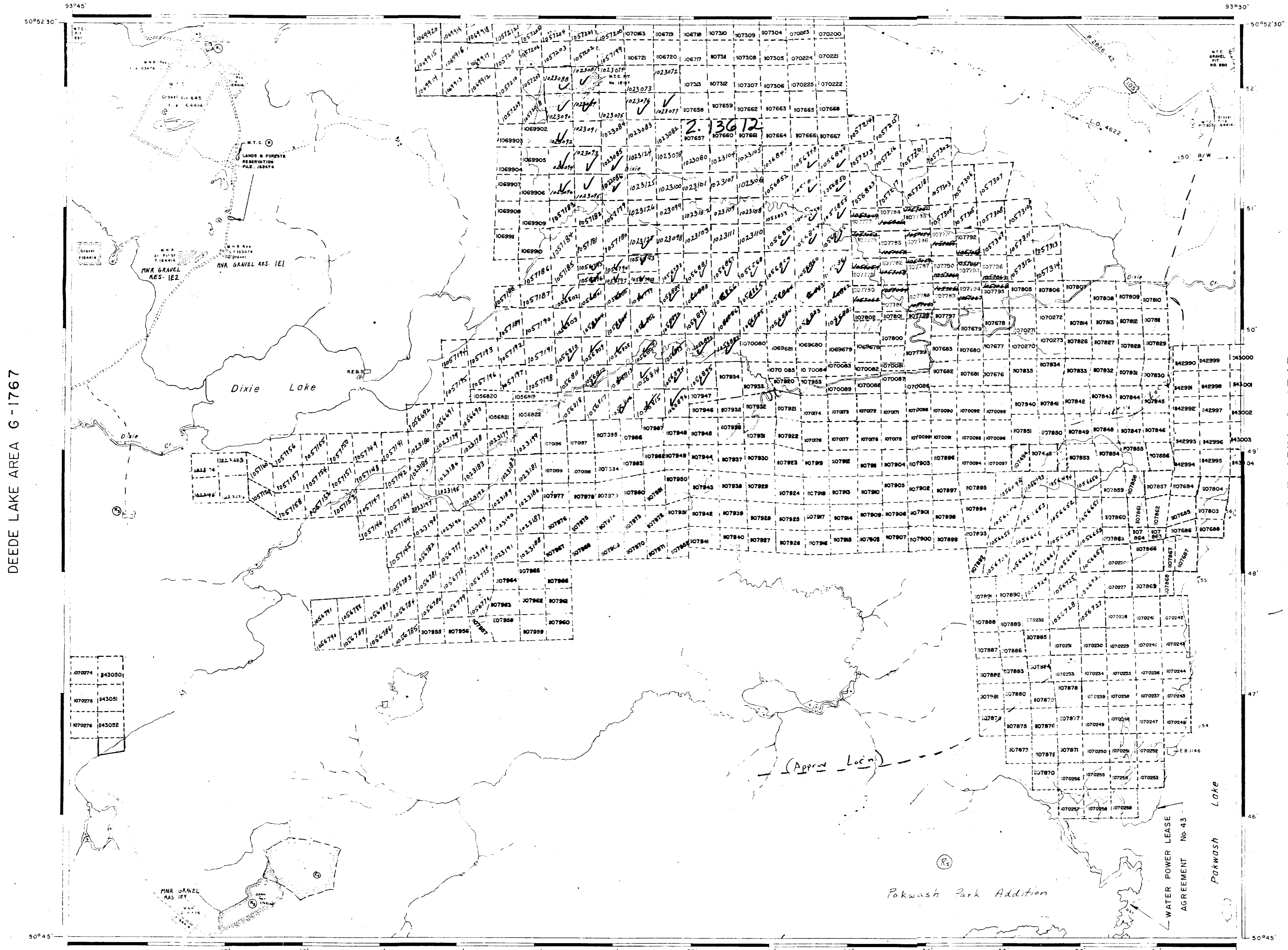
30 days electromagnetic on KRL 1023088, 1056807, 1056813-814 incl., 1056816, 1056851, 1056886-887 incl., 1056892-893 incl.

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

SOUTH OF BYSHE & WILLANS



DEEDE LAKE AREA G-1767

BRUCE LAKE AREA G-1743

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(3)		19/12/72	S.R.O.	164414
(4)	W 93/77	22/11/77	S.R.O.	164414
(5)	W 6/82	8/11/82	S.R.O.M.R.	
(6)	W 2/82	8/11/83	S.R.O.	
(7)	W 1/83	21/1/83	S.R.M.R.	
(8)	O 1/83	21/1/83		
(9)	W 4/83	25/8/83	S.R.M.R.	18335 1508 V 17

- (1) SAND AND GRAVEL
- (2) QUARRY PERMIT

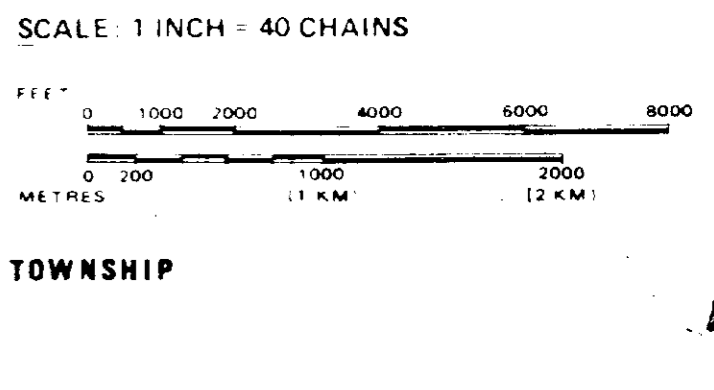
LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS, ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOORING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
 - ORIGINAL SHORELINE
 - MARSH OR MUSK EG
 - MINES
 - TRAVEL MONUMENT
 - RESERVED FLOODING RIGHTS

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	◐
LEASE SURFACE & MINING RIGHTS	■
SURFACE RIGHTS ONLY	◼
MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊕

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 380, SEC. 63, SUBSEC. 1

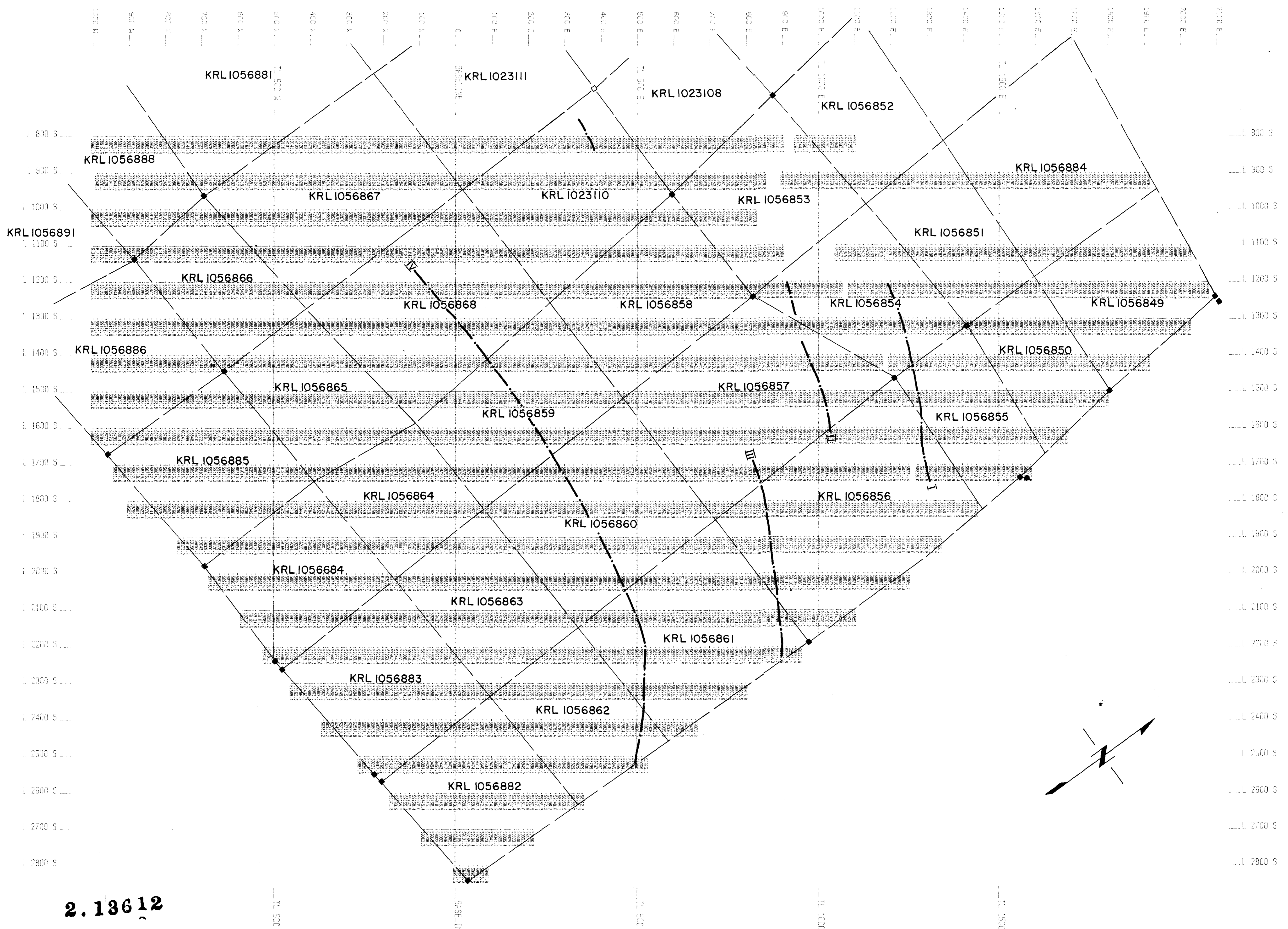


AREA
DIXIE LAKE
 M.N.R. ADMINISTRATIVE DISTRICT
RED LAKE
 MINING DIVISION
RED LAKE
 LAND TITLES / REGISTRY DIVISION
KENORA

Ontario Ministry of Natural Resources Land Management Branch

Date: JANUARY, 1983
 Number: **G-1769**





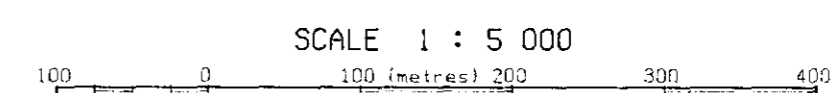
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TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
DIXIE LAKE (G 1769)
RED LAKE MINING DIV., ONTARIO
DIXIE CENTRAL GRID (SECTION - B -)

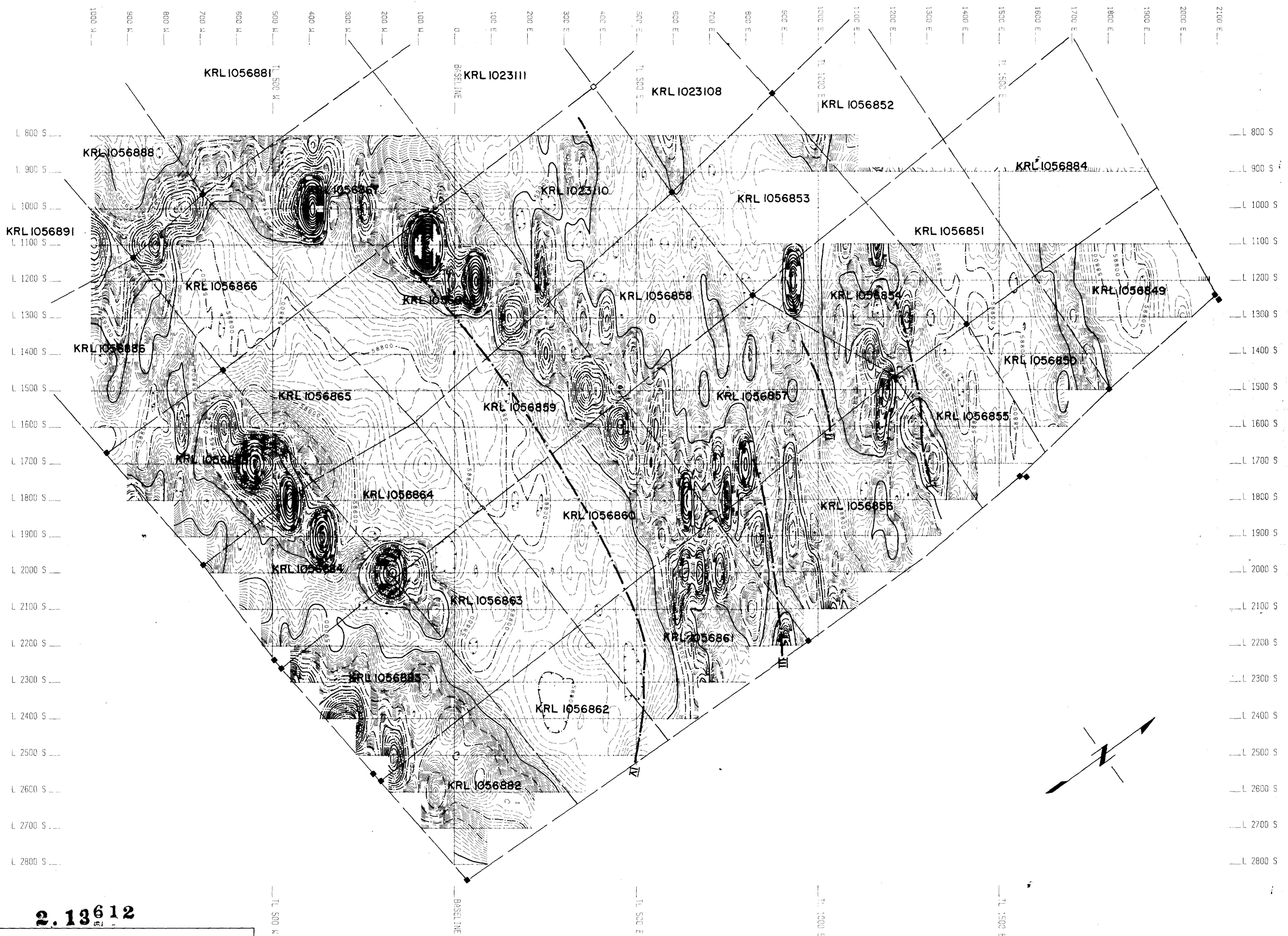
EAST SHEET
TOTAL FIELD MAGNETIC POSTINGS
(BASE STATION CORRECTED)

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post



SHIPPY INSTRUMENTS: FOR OHNSI-PLUS WITH BASE STATION
MAY 1989
DIXIE LAKE
TECK LTD.



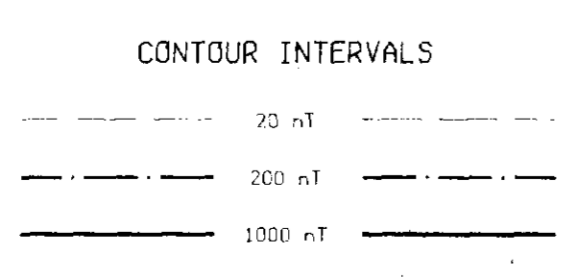


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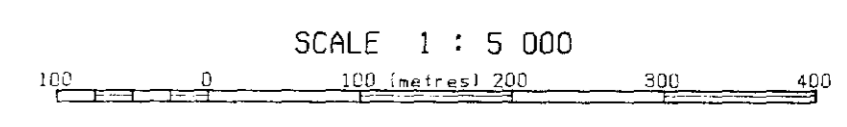
TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (SECTION - B -)

EAST SHEET
 TOTAL FIELD MAGNETIC CONTOUR MAP
 (BASE STATION CORRECTED)



- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post



SWEEP INSTRUMENT: ESM 594C-PLUS WITH BASE STATION
 CALIB. 1983
 1577448 807
 TCCS LTD.





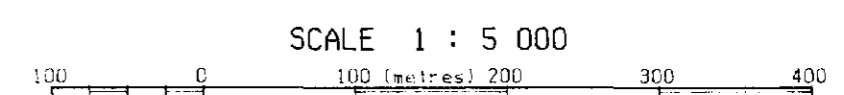
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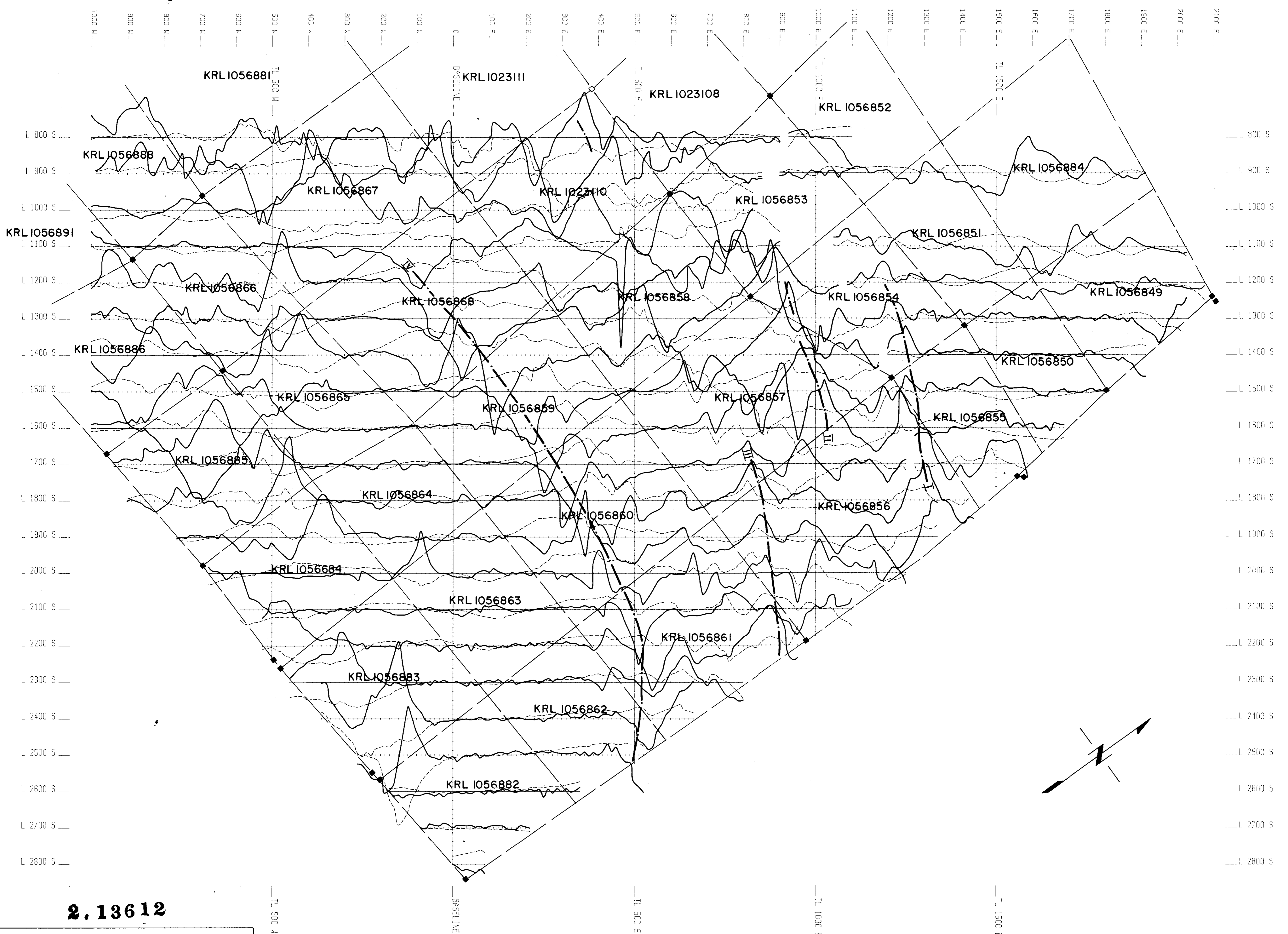
TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
DIXIE LAKE (G 1769)
RED LAKE MINING DIV., ONTARIO
DIXIE CENTRAL GRID (SECTION - B -)

EAST SHEET
VLF-EM POSTINGS
(IN-PHASE & QUADRATURE; NAA, 24.0 kHz)

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post





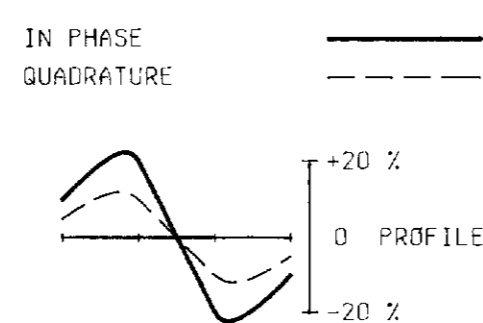
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TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
DIXIE LAKE (G 1769)
RED LAKE MINING DIV., ONTARIO
DIXIE CENTRAL GRID (SECTION - B -)

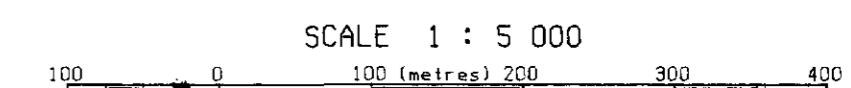
EAST SHEET
VLF-EM PROFILE MAP
(IN-PHASE & QUADRATURE; NAA, 24.0 kHz)

VLF - EM PROFILES

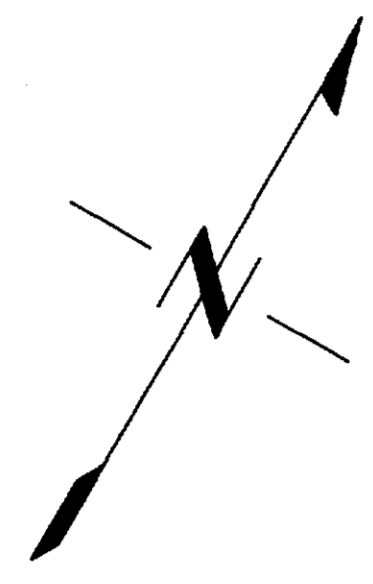
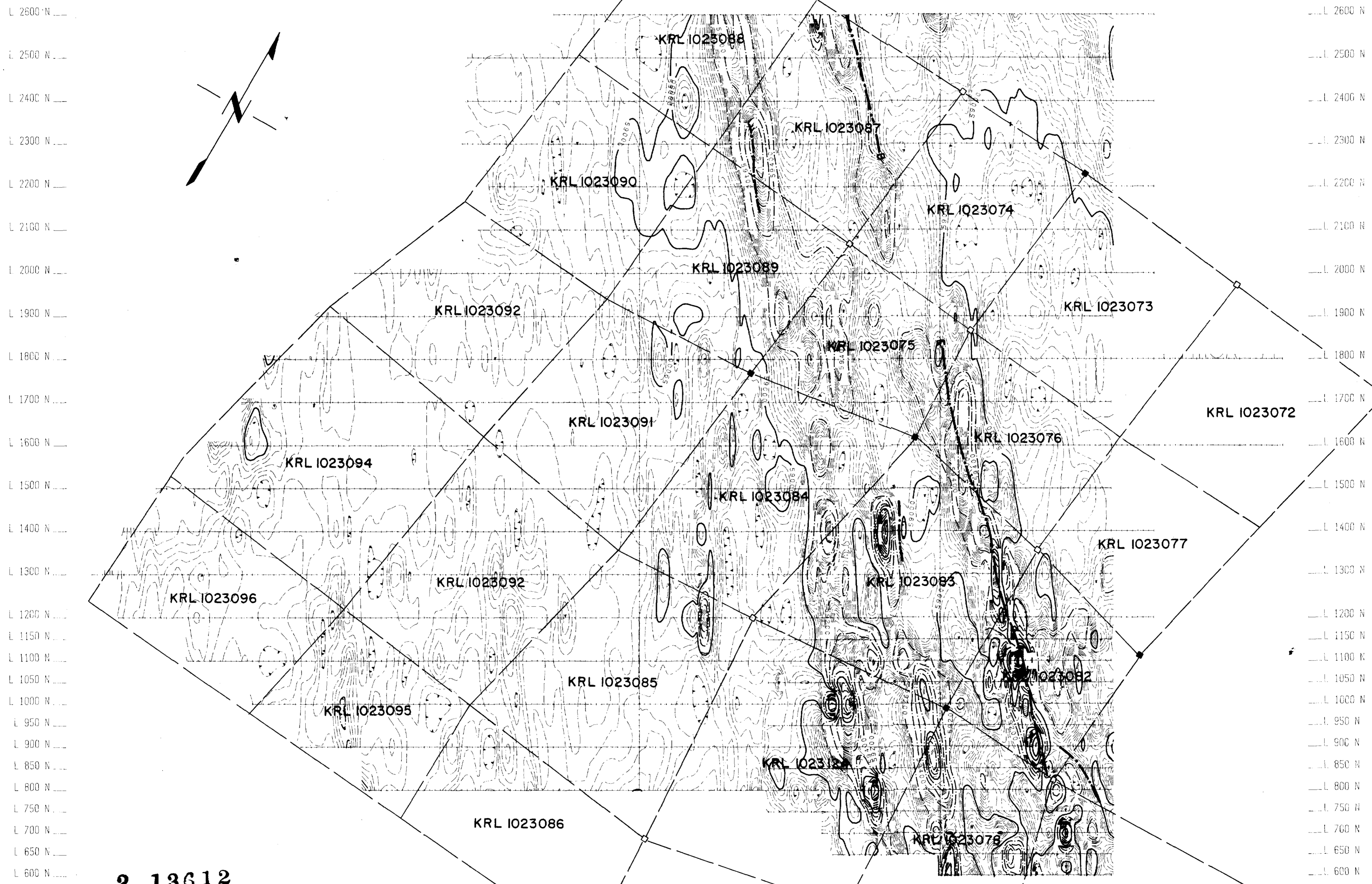


Tx Location: Cutler, Maine (NAA 24.0 kHz)
Instrument: EDA OMNI-PLUS

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post



1600 M
1500 M
1400 M
1300 M
1200 M
1100 M
1000 M
900 M
800 M
700 M
600 M
500 M
400 M
300 M
200 M
100 M
0
100 E
200 E
300 E
400 E
500 E
600 E
700 E
800 E
900 E
1000 E
1100 E
1200 E



2.13612

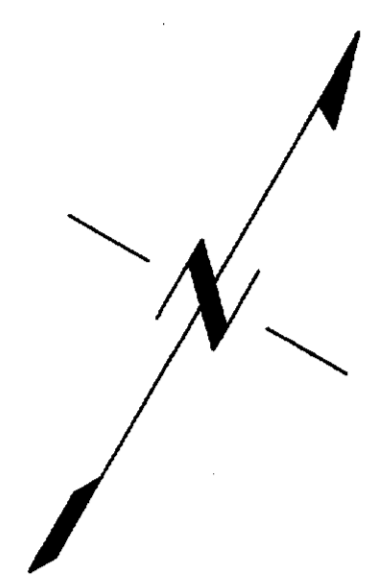
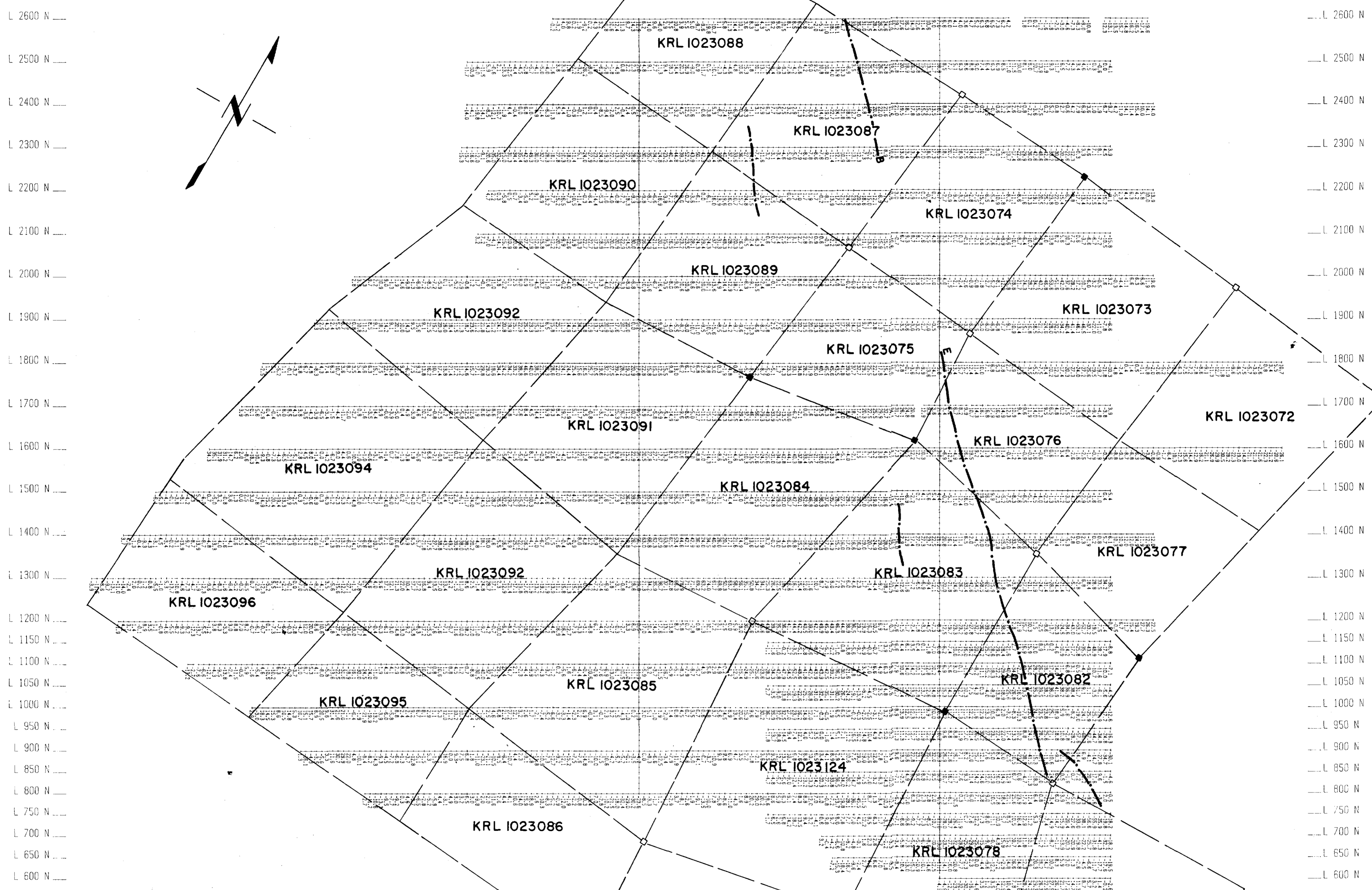
TECK EXPLORATIONS LIMITED
DIXIE LAKE PROPERTY
DIXIE LAKE (G 1769)
RED LAKE MINING DIV., ONTARIO
DIXIE CENTRAL GRID (NORTH PORTION)
WEST SHEET
TOTAL FIELD MAGNETIC CONTOUR MAP
(BASE STATION CORRECTED)

CONTOUR INTERVALS
--- 20 mT
--- 200 mT
--- 1000 mT

— V.L.F.-E.M. Conductor Axis
■ Claim post located
□ Assumed location of claim post

SCALE 1 : 5 000
100 0 100 (metres) 200 300 400





2.18612

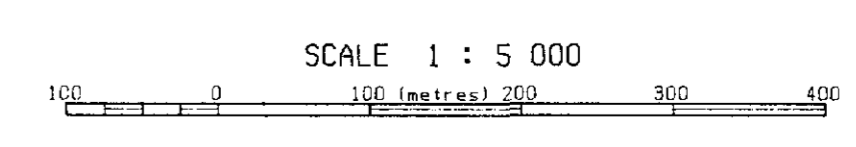
TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (NORTH PORTION)

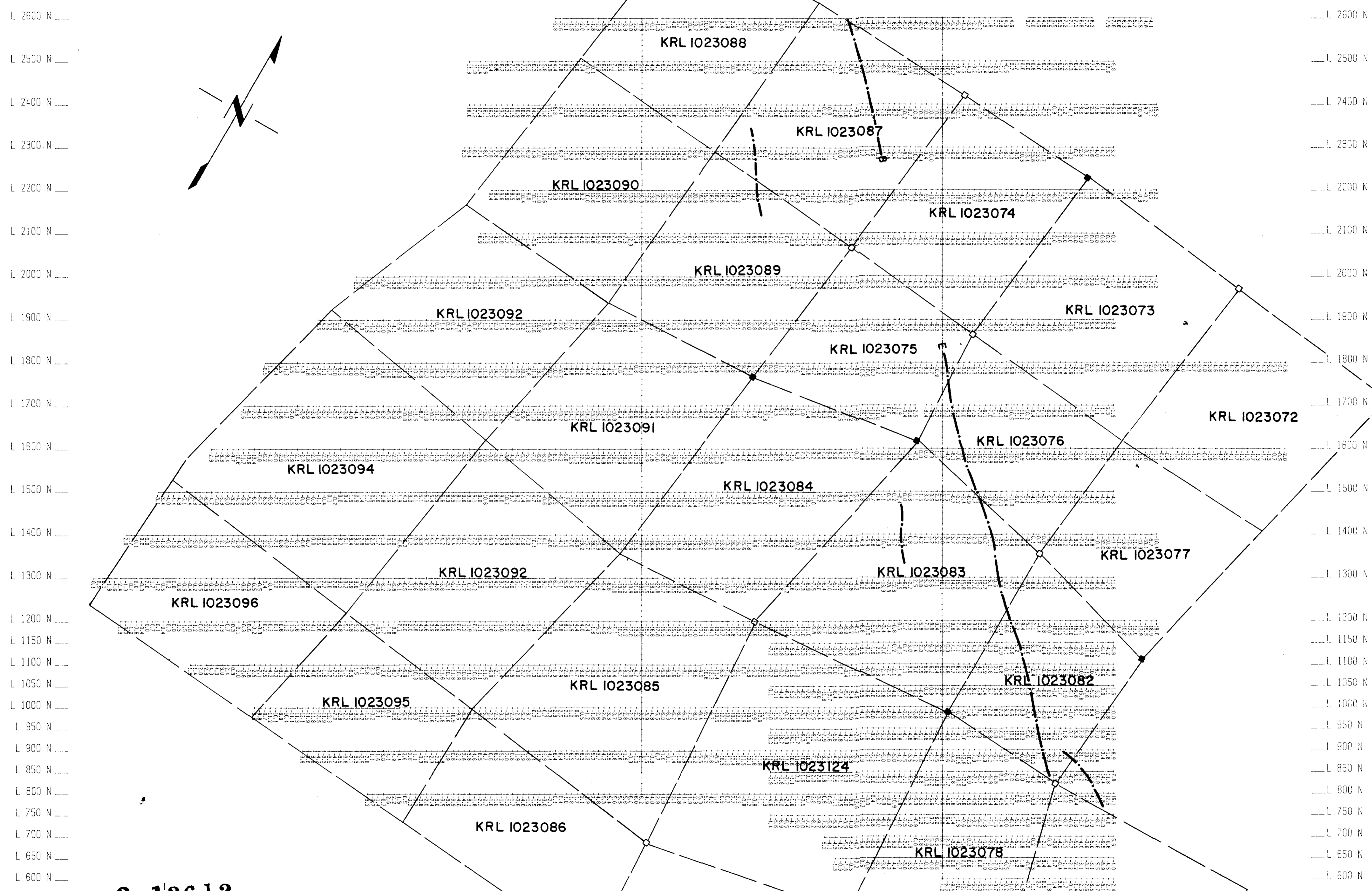
WEST SHEET
 VLF-EM POSTINGS
 (IN-PHASE; NAA 24.0 kHz)

SURVEY INSTRUMENT: EDM DINKI-PLUS
 CONTROL POINT: COPIED TO THE NORTHWEST 1989
 PLOTTING BY:
 RTICES LTD.

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post



1600 M
1500 M
1400 M
1300 M
1200 M
1100 M
1000 M
900 M
800 M
700 M
600 M
500 M
400 M
300 M
200 M
100 M
0
100 E
200 E
300 E
400 E
500 E
600 E
700 E
800 E
900 E
1000 E
1100 E
1200 E



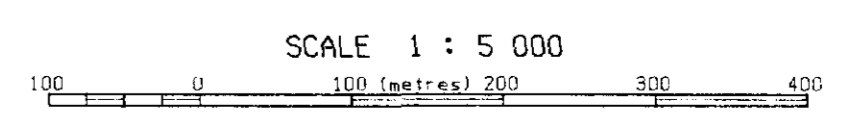
2.13612

TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
DIXIE LAKE (G 1769)
RED LAKE MINING DIV., ONTARIO
DIXIE CENTRAL GRID (NORTH PORTION)

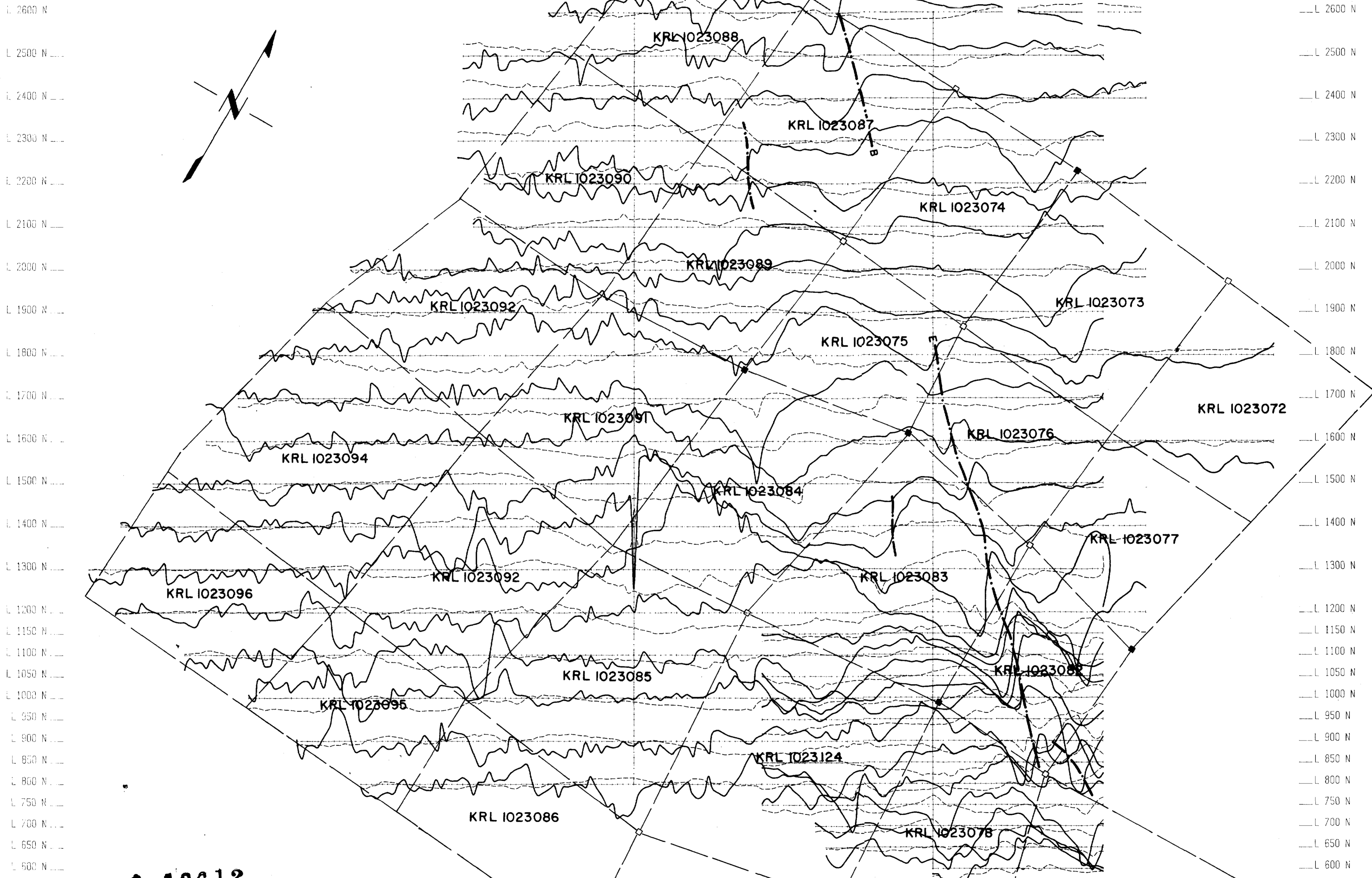
WEST SHEET
VLF-EM POSTINGS
(QUADRATURE; NAA 24.0 kHz)

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post



SURVEY INSTRUMENT: EDM OMNI-PLUS
DATE: 1989
DRAWN BY:
CES LTD.





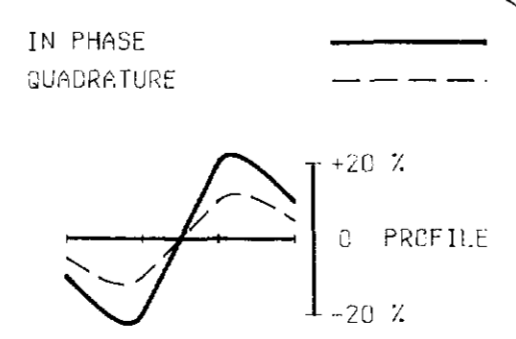
2.18612

TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (NORTH PORTION)

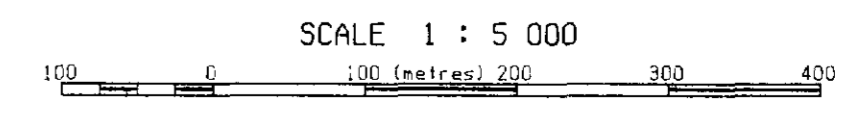
WEST SHEET
 VLF-EM PROFILE MAP
 (IN-PHASE & QUADRATURE; NAA, 24.0 kHz)

VLF - EM PROFILES

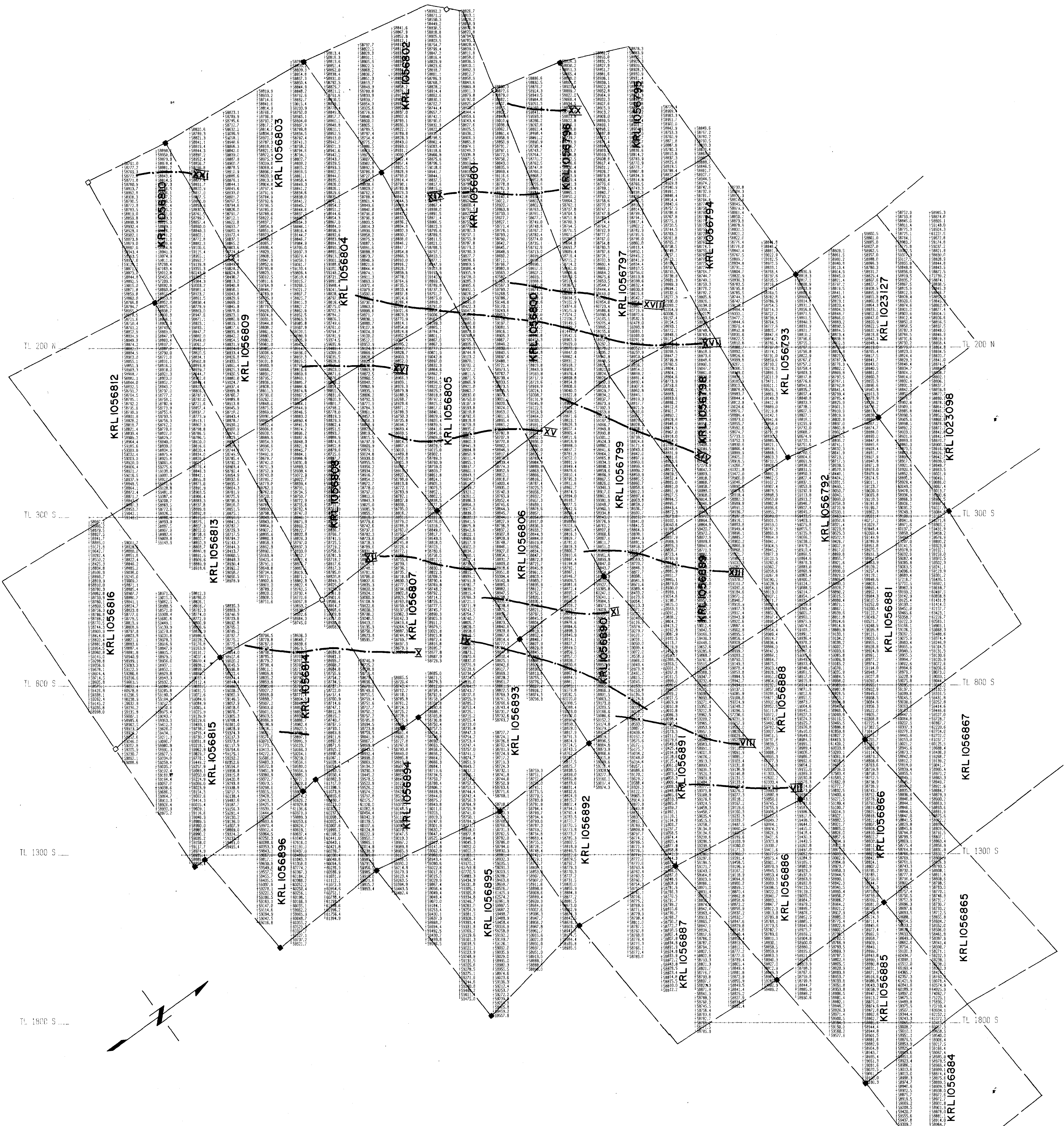


Tx Location: Cutler, Maine (NAA 24.0 kHz)
Instrument: EDA OMNI-PLUS

V.L.F.-E.M. Conductor Axis
 ■ Claim post located
 □ Assumed location of claim post



L 3000 M
L 2800 M
L 2600 M
L 2400 M
L 2200 M
L 2000 M
L 1900 M
L 1800 M
L 1700 M
L 1600 M
L 1500 M
L 1400 M
L 1300 M
L 1200 M
L 1100 M
L 1000 M
L 900 M
L 800 M
L 700 M
L 600 M
L 500 M
L 400 M
L 300 M
L 200 N
L 100 N
L 0
L 100 S
L 200 S
L 300 S
L 400 S
L 500 S
L 600 S
L 700 S
L 800 S
L 900 S
L 1000 S
L 1100 S
L 1200 S
L 1300 S
L 1400 S
L 1500 S
L 1600 S
L 1700 S
L 1800 S
L 1900 S
L 2000 S
L 2100 S
L 2200 S
L 2300 S



2.13612

TECK EXPLORATIONS LIMITED
 DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (SECTION - C -)

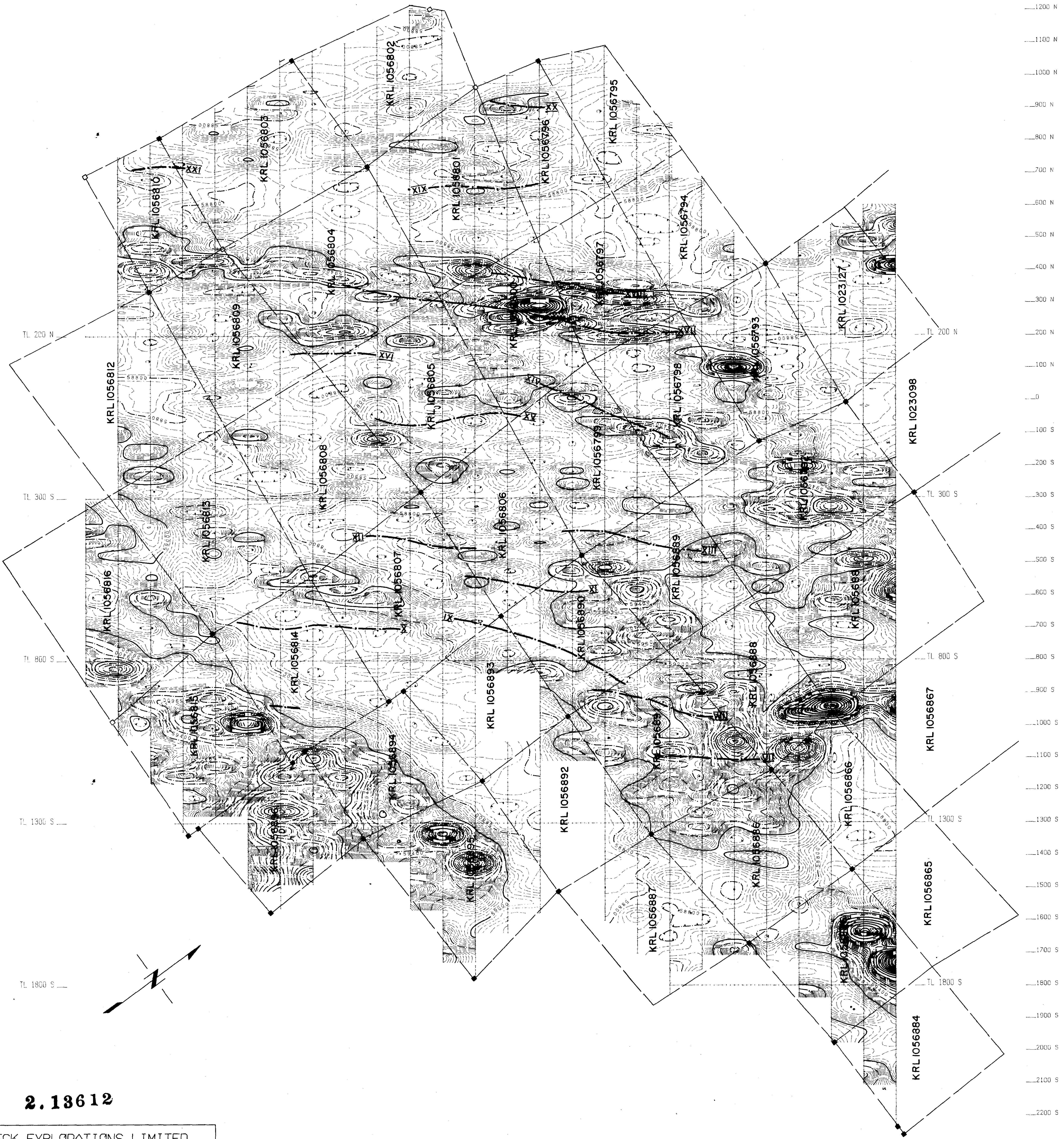
SOUTH SHEET
 TOTAL FIELD MAGNETIC POSTINGS
 (BASE STATION CORRECTED)

MAPPER: INSTRUMENT: EDM POINT-TO-POINT WITH BASE STATION
 YEAR: 1987
 TECK LTD.

V.L.F.-E.M. Conductor Axis
 Claim post located
 Assumed location of claim post

SCALE 1 : 5 000
 0 100 200 300 400

L 500 M
 L 600 M
 L 700 M
 L 800 M
 L 900 M
 L 1000 M
 L 1100 M
 L 1200 M
 L 1300 M
 L 1400 M
 L 1500 M
 L 1600 M
 L 1700 M
 L 1800 M
 L 1900 M
 L 2000 M
 L 2100 M
 L 2200 M
 L 2300 M
 L 2400 M
 L 2500 M
 L 2600 M
 L 2700 M
 L 2800 M
 L 2900 M
 L 3000 M



2.13612

TECK EXPLORATIONS LIMITED
 DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (SECTION - C -)
 SOUTH SHEET
 TOTAL FIELD MAGNETIC CONTOUR MAP
 (BASE STATION CORRECTED)

CONTOUR INTERVALS
 --- 20 mT ---
 --- 200 mT ---
 --- 1000 mT ---

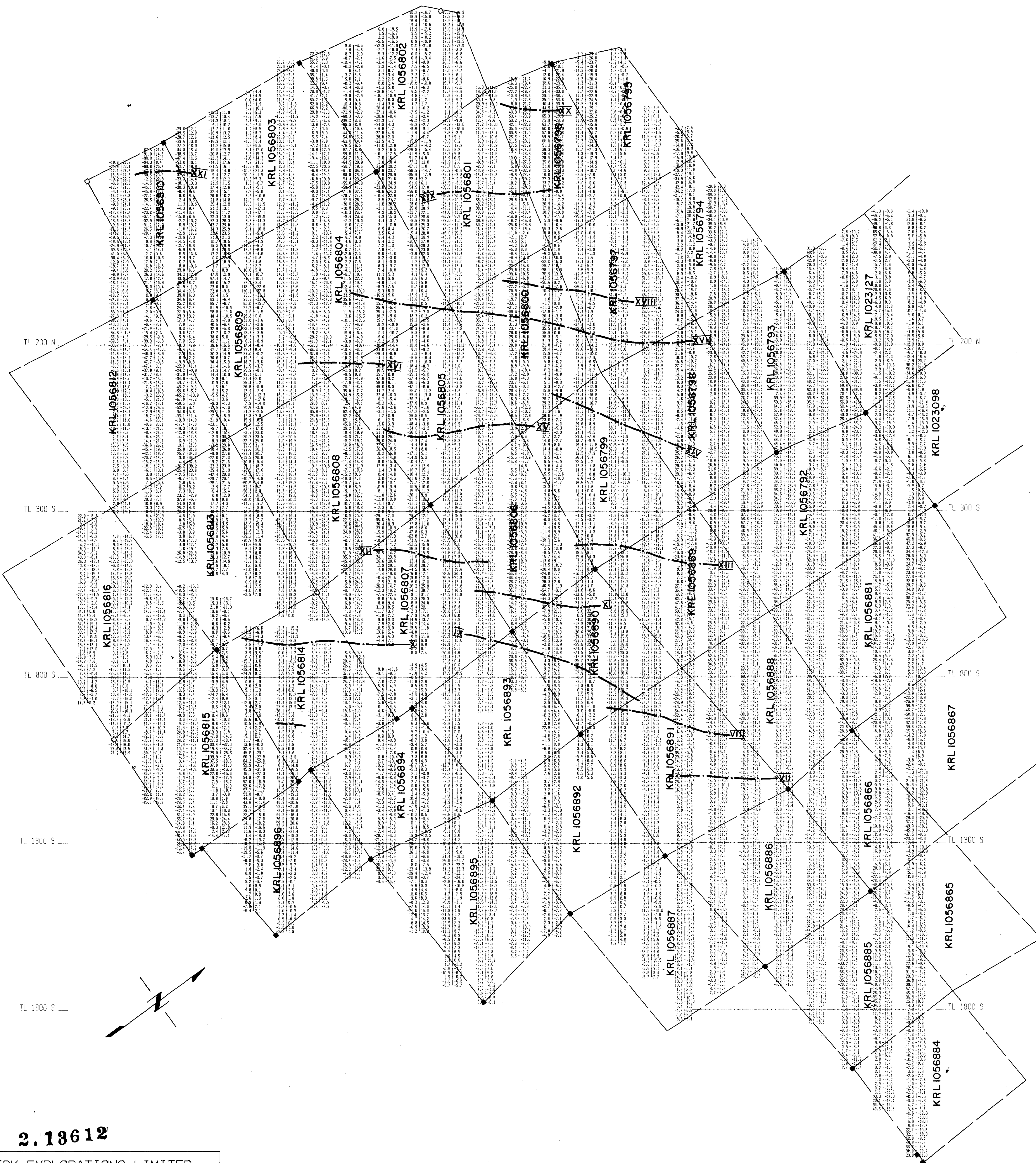
— V.L.F.-E.M. Conductor Axis
 ■ Claim post located
 □ Assumed location of claim post

SCALE 1 : 5 000
 0 100 200 300 400



L 3000 M
 L 2900 M
 L 2800 M
 L 2700 M
 L 2600 M
 L 2500 M
 L 2400 M
 L 2300 M
 L 2200 M
 L 2100 M
 L 2000 M
 L 1900 M
 L 1800 M
 L 1700 M
 L 1600 M
 L 1500 M
 L 1400 M
 L 1300 M
 L 1200 M
 L 1100 M
 L 1000 M
 L 900 M
 L 800 M
 L 700 M
 L 600 M
 L 500 M

1200 N
 1100 N
 1000 N
 900 N
 800 N
 700 N
 600 N
 500 N
 400 N
 300 N
 200 N
 100 N
 0
 100 S
 200 S
 300 S
 400 S
 500 S
 600 S
 700 S
 800 S
 900 S
 1000 S
 1100 S
 1200 S
 1300 S
 1400 S
 1500 S
 1600 S
 1700 S
 1800 S
 1900 S
 2000 S
 2100 S
 2200 S
 2300 S



TL 200 N

TL 300 S

TL 800 S

TL 1300 S

TL 1800 S

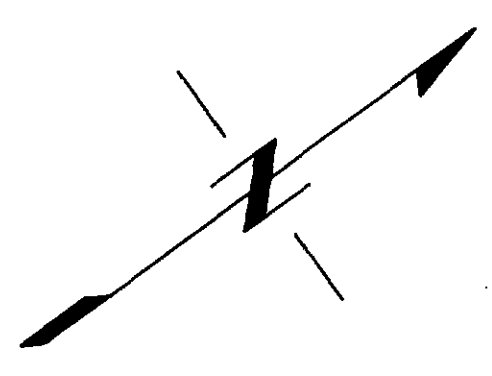
TL 200 N

TL 300 S

TL 800 S

TL 1300 S

TL 1800 S



2.13612

TECK EXPLORATIONS LIMITED
 DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (SECTION - C -)
 SOUTH SHEET
 VLF-EM POSTINGS
 (IN-PHASE & QUADRATURE; NLK, 24.8 kHz)

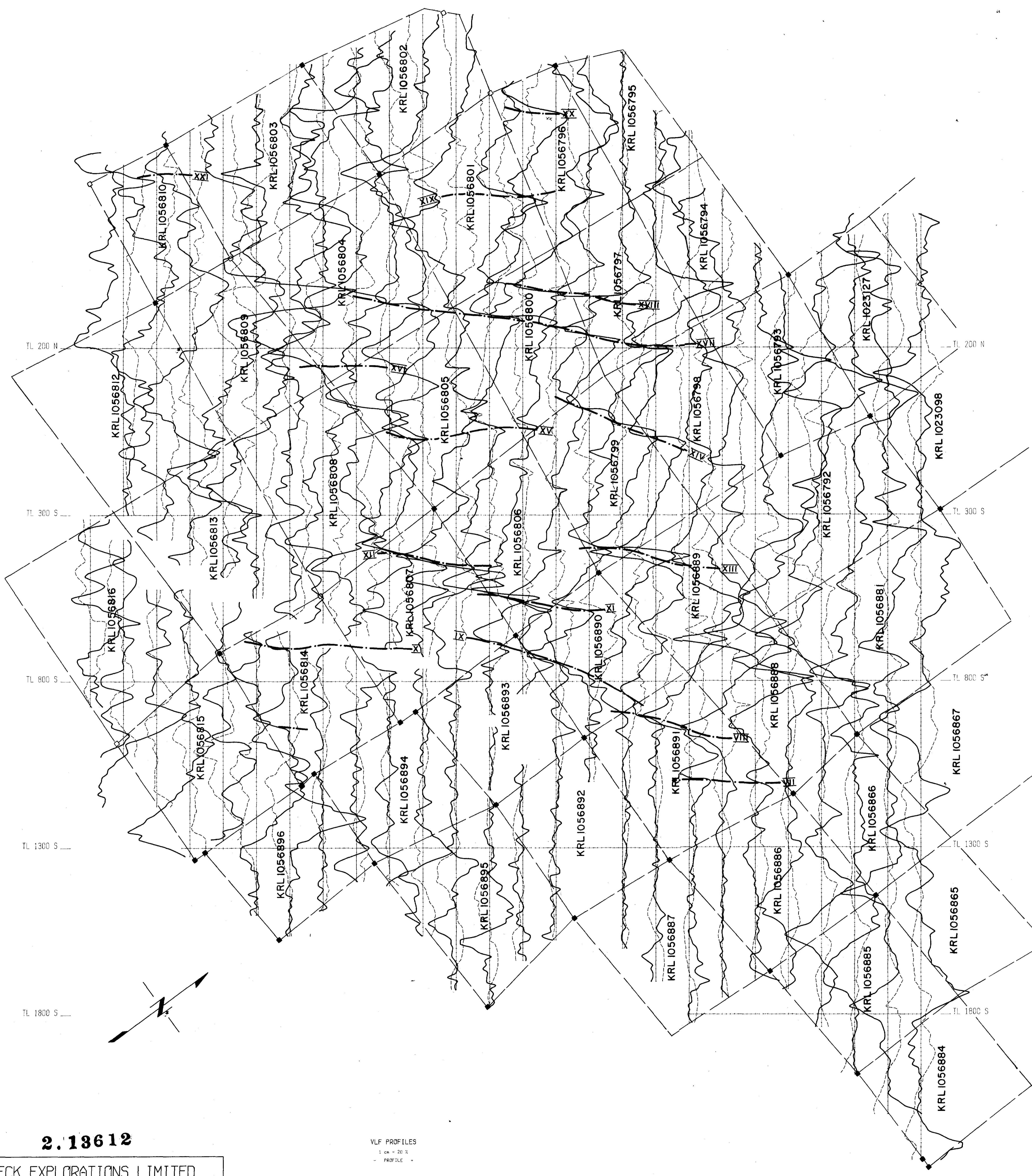
— V.L.F.-E.M. Conductor Axis
 ■ Claim post located
 □ Assumed location of claim post

SCALE 1 : 5 000
 100 0 100 (metres) 200 300 400



L 3000 M
L 2900 M
L 2800 M
L 2700 M
L 2600 M
L 2500 M
L 2400 M
L 2300 M
L 2200 M
L 2100 M
L 2000 M
L 1900 M
L 1800 M
L 1700 M
L 1600 M
L 1500 M
L 1400 M
L 1300 M
L 1200 M
L 1100 M
L 1000 M
L 900 M
L 800 M
L 700 M
L 600 M
L 500 M

...1200 N
...1100 N
...1000 N
...900 N
...800 N
...700 N
...600 N
...500 N
...400 N
...300 N
...200 N
...100 N
...0
...100 S
...200 S
...300 S
...400 S
...500 S
...600 S
...700 S
...800 S
...900 S
...1000 S
...1100 S
...1200 S
...1300 S
...1400 S
...1500 S
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...1700 S
...1800 S
...1900 S
...2000 S
...2100 S
...2200 S
...2300 S

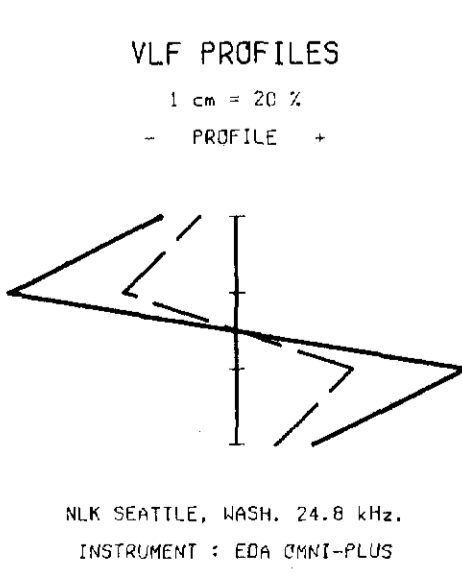


2.13612

TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
DIXIE LAKE (G 1769)
RED LAKE MINING DIV., ONTARIO
DIXIE CENTRAL GRID (SECTION - C -)

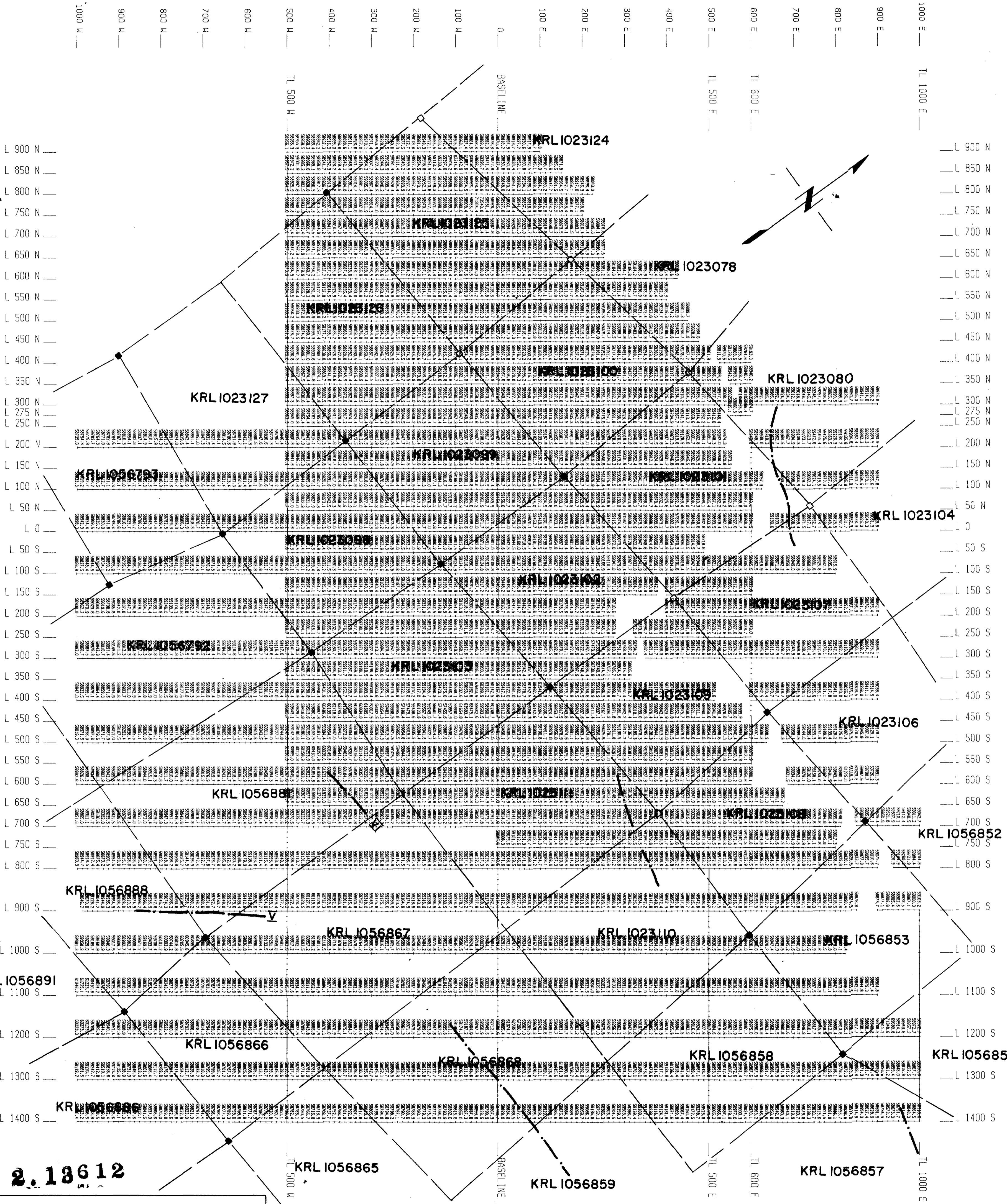
SOUTH SHEET
VLF-EM PROFILE MAP
(IN-PHASE & QUADRATURE; NLK, 24.8 kHz)



VLF-EM Conductor Axis
■ Claim post located
□ Assumed location of claim post

SCALE 1 : 5 000





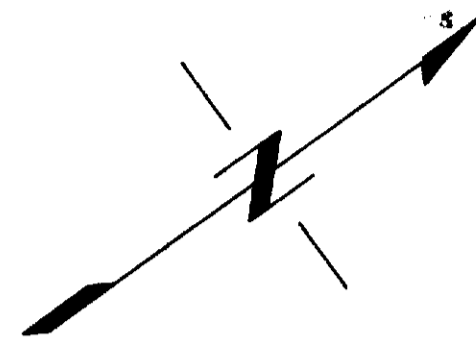
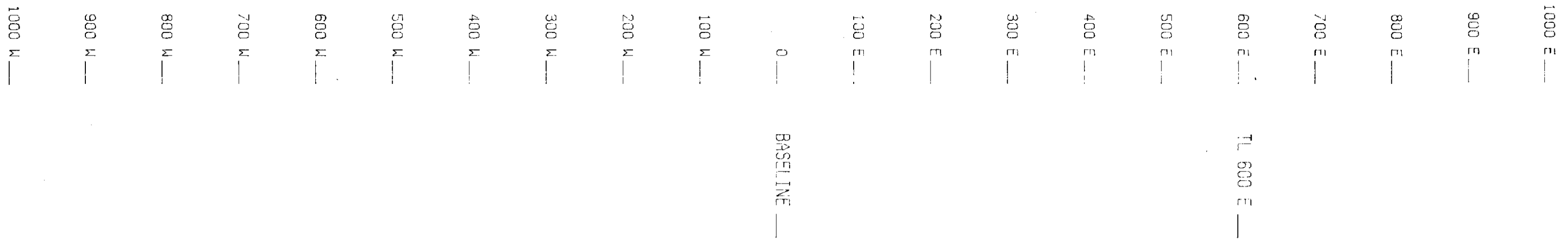
2.18612

TECK EXPLORATIONS LIMITED
 DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (SECTION - A/1 -)

CENTRAL SHEET
TOTAL FIELD MAGNETIC POSTINGS
 (BASE STATION CORRECTED)

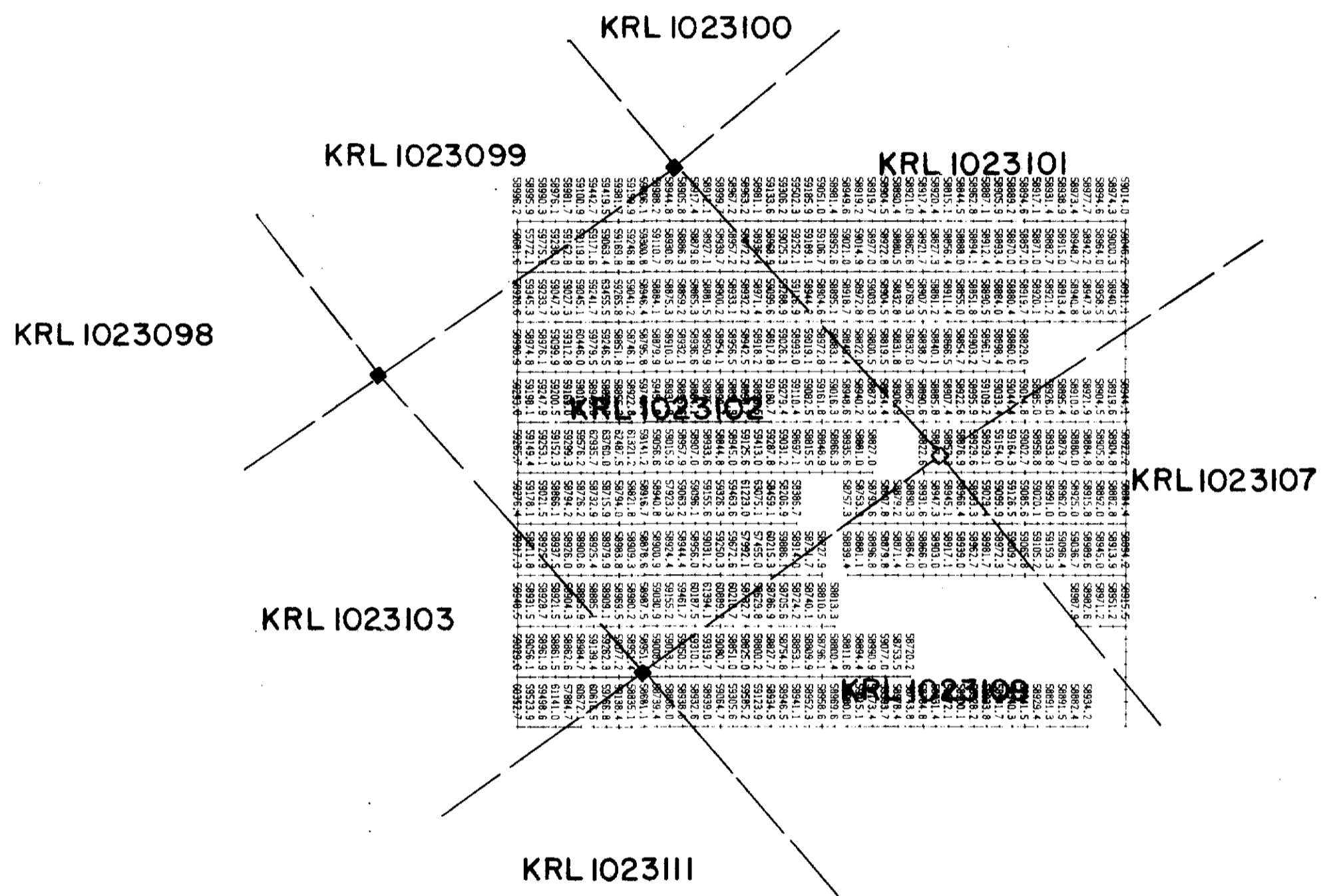
Survey Instrument: SNA DMM-1000 with base station
 (EPOCH 1989)
 Logging by:
 TECK LTD.





L 75 N
L 25 N
L 25 S
L 75 S
L 125 S
L 175 S
L 225 S
L 275 S
L 325 S
L 375 S
L 425 S

L 75 N
L 25 N
L 25 S
L 75 S
L 125 S
L 175 S
L 225 S
L 275 S
L 325 S
L 375 S
L 425 S



BASELINE

TL 600 E

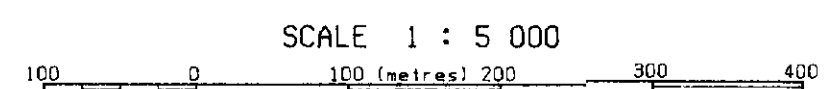
TECK EXPLORATIONS LIMITED

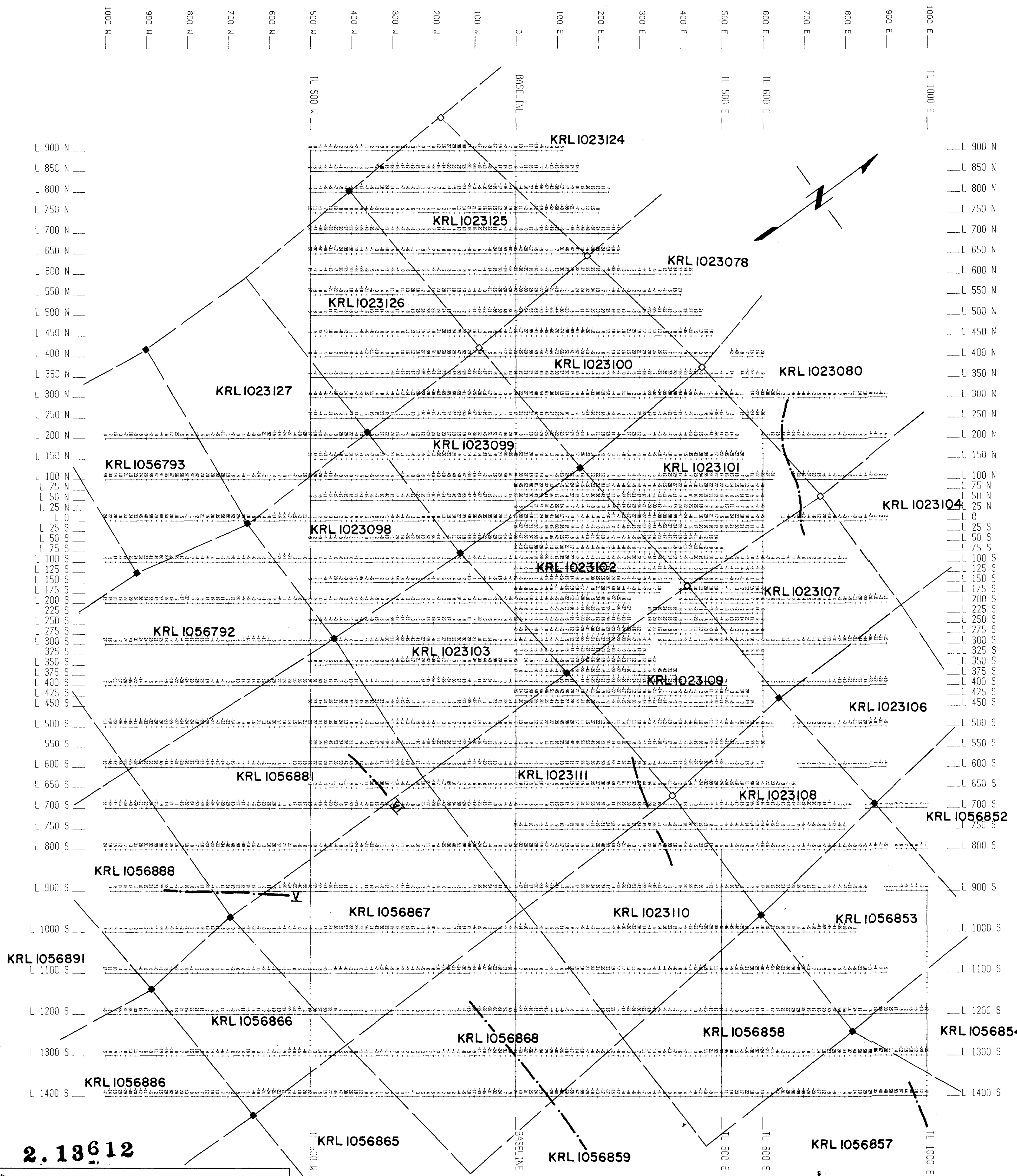
DIXIE LAKE PROPERTY
DIXIE LAKE (G 1769)
RED LAKE MINING DIV., ONTARIO
DIXIE CENTRAL GRID (SECTION - A/2 -)

CENTRAL SHEET
TOTAL FIELD MAGNETIC POSTINGS
(BASE STATION CORRECTED)

SURVEY INSTRUMENT: SGA DMM-PLUS WITH BASE STATION
FEBRUARY 1989
CONTROLLING OFFICER:
ICES LTD.

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post





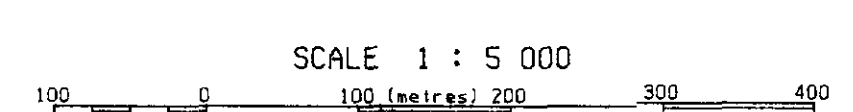
2.13612

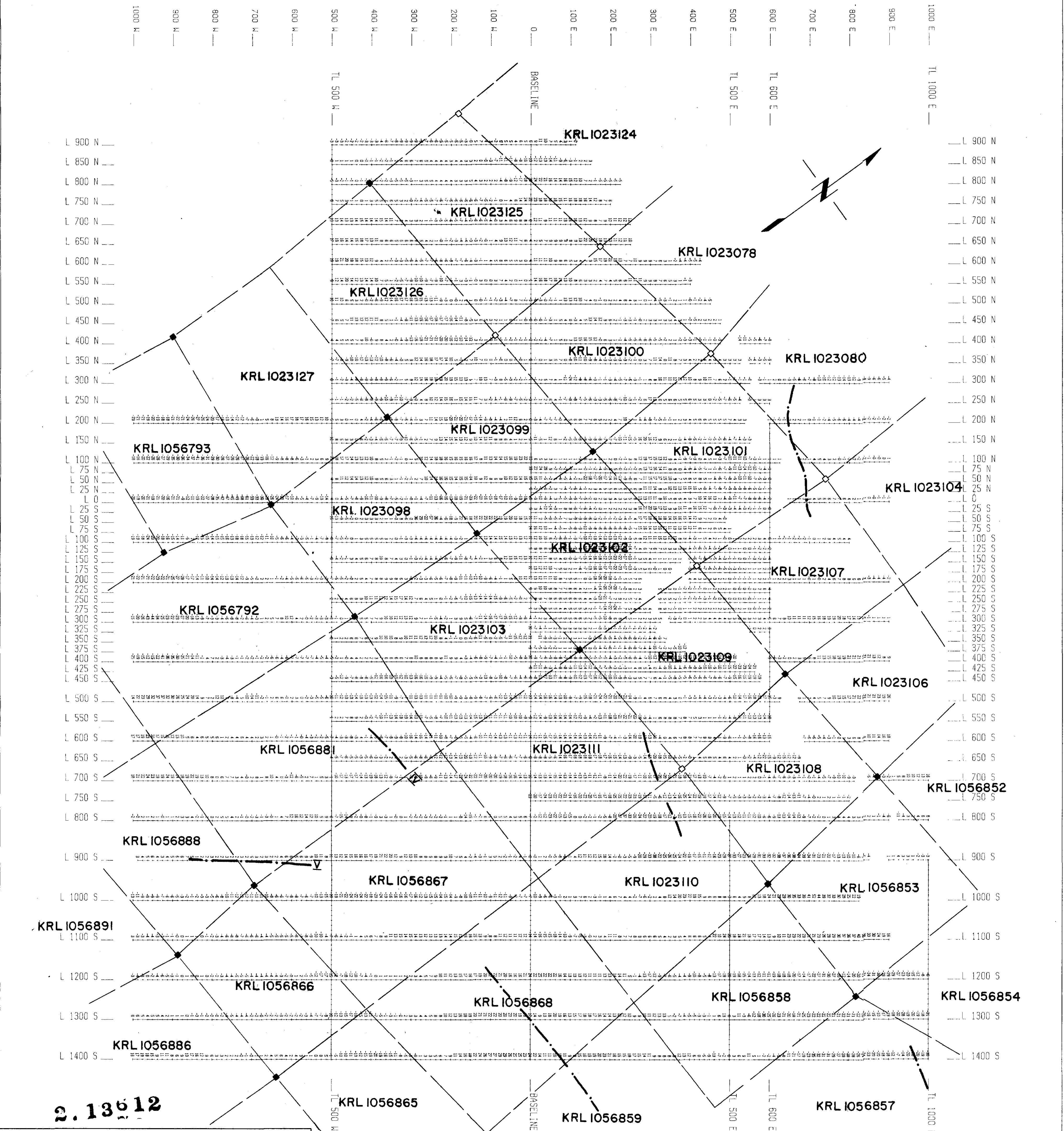
TECK EXPLORATIONS LIMITED
 DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (SECTION - A -)

CENTRAL SHEET
 VLF-EM POSTINGS
 (IN-PHASE; NAA, 24.0 kHz)

SURVEY INSTRUMENT: EDA 0941-PLUS
 DATE: 11 FEBRUARY 1989
 OFFICE: VICES LTD.

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post





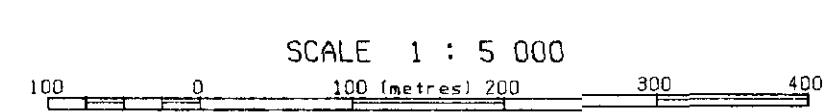
2.13612

TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (SECTION - A -)

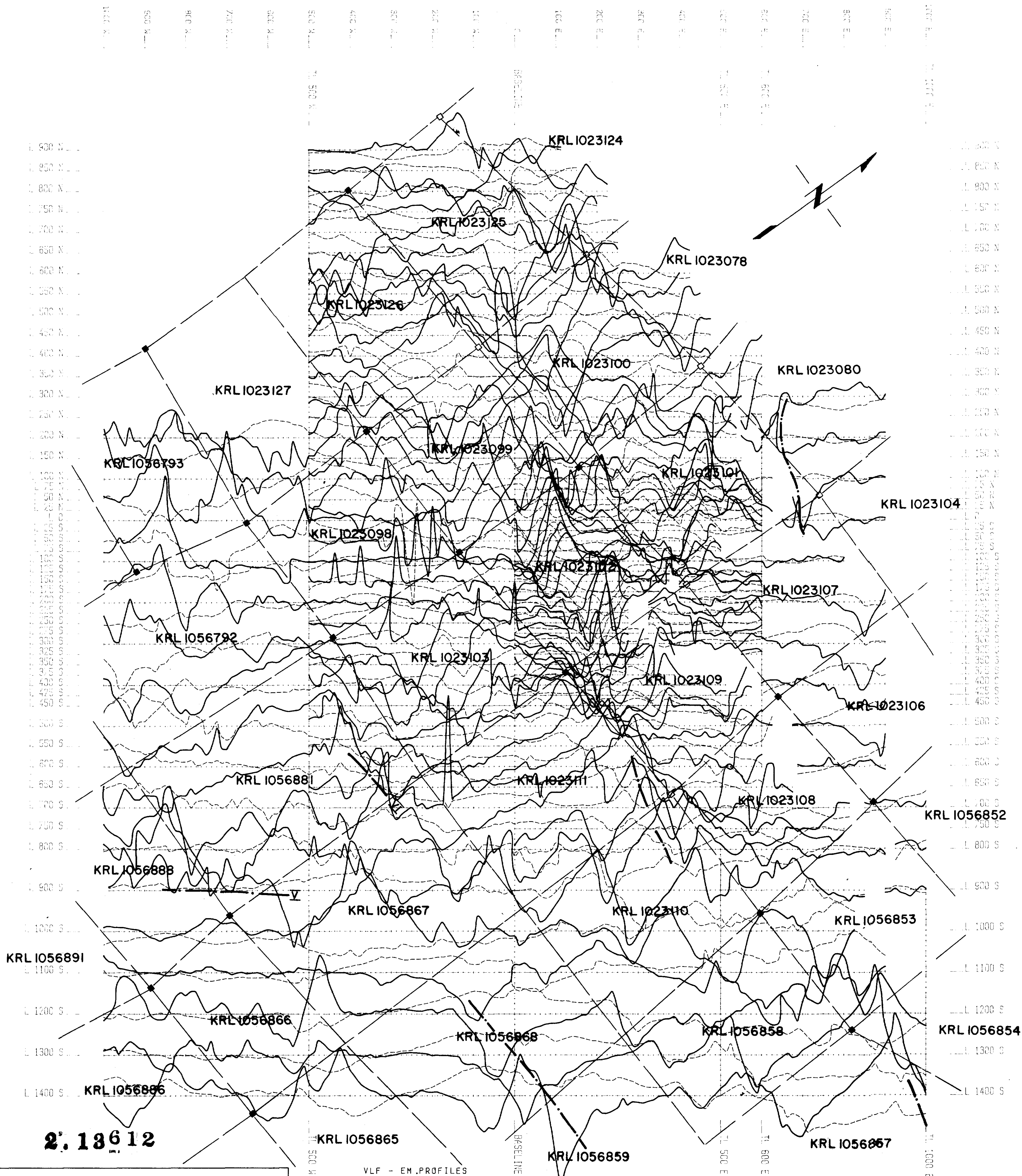
CENTRAL SHEET
 VLF-EM POSTINGS
 (QUADRATURE; NAA, 24.0 kHz)

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post



SURVEY INSTRUMENT: EDA ONI-PLUS
 MEMBER 1988
 SETTING BY:
 VICES LTD.





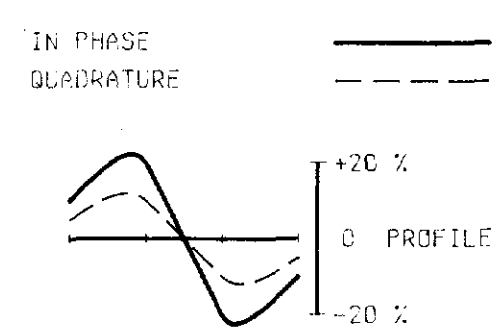
2. 13612

TECK EXPLORATIONS LIMITED

DIXIE LAKE PROPERTY
 DIXIE LAKE (G 1769)
 RED LAKE MINING DIV., ONTARIO
 DIXIE CENTRAL GRID (SECTION - A -)

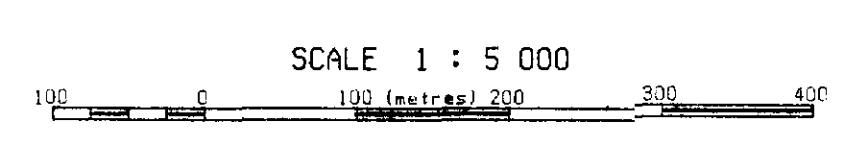
CENTRAL SHEET
 VLF-EM PROFILE MAP
 (IN-PHASE & QUADRATURE; NAA, 24.0 kHz)

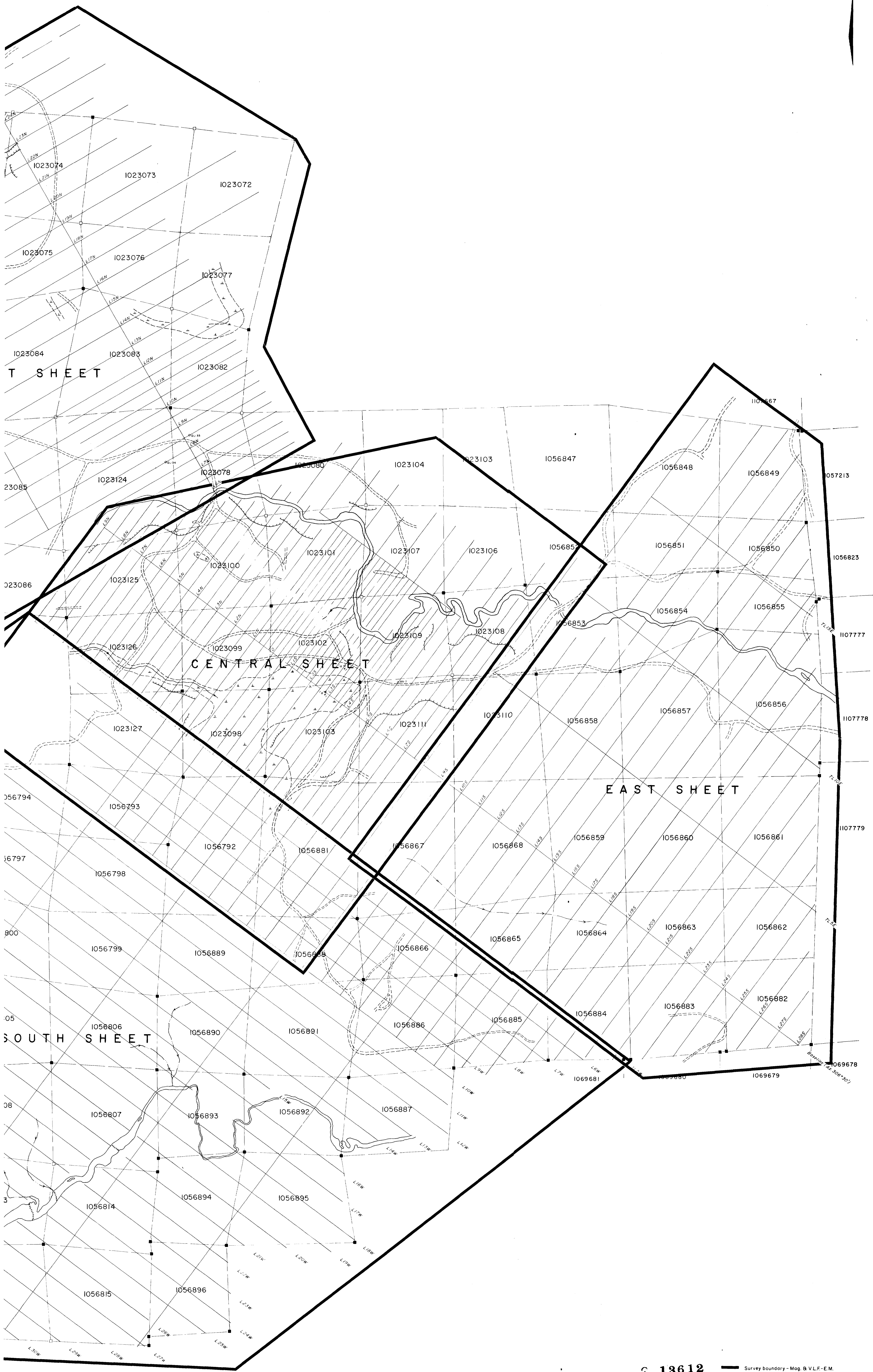
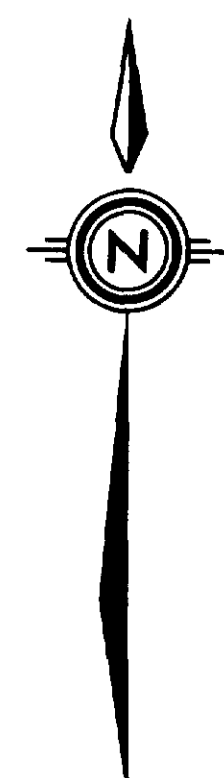
VLF - EM PROFILES



Tx Location : Cutler, Maine (NAA 24.0 kHz)
 Instrument : EDA OMNI-PLUS

- V.L.F.-E.M. Conductor Axis
- Claim post located
- Assumed location of claim post





2.13612

Survey boundary - Mag. B.V.L.F.-E.M.
Claim post located
Assumed location of claim post

Teck Explorations Limited			
LOCATION MAP			
MUTUAL RESOURCES LIMITED DIXIE LAKE PROPERTY			
CLIENT/PROPERTY:	MAR /1990	15620	52K/13
DATE:	1990	15620	52K/13
SCALE:	1:5000		
			6643