

LAForest-HLAVA EXPLORATION SERVICES LTD.

(705) 268-2511

24 Pine Street South, P.O. Box 1163, TIMMINS, ONTARIO P4N 7H9



42A05NE8465 2.10928 BRISTOL

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MAGNETOMETER
AND
VLF EM 16 SURVEYS
FOR
HONCHO GOLD MINES INC

BRISTOL TOWNSHIP

PORCUPINE MINING DIVISION

ONTARIO

Timmins, Ontario
March, 1988

Milan Hlava B.Sc., F.G.A.S.

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MAPS

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MAP 1B	MAGNETOMETER SURVEY E HALF	SCALE 1"=200'
MAP 2A	VLF-EM 16 SURVEY W HALF	SCALE 1"=200'
MAP 2B	VLF-EM 16 SURVEY E HALF	SCALE 1"=200'

(Maps in back pockets)

INTRODUCTION

The following report describes the results of a ground magnetometer survey and VLF-EM survey for Honcho Gold Mines Inc. on a claim group located in Bristol Township in the Porcupine Mining Division. The field work was completed on November 20, 1987. The report was completed on March 20, 1988.

PROPERTY LOCATION AND ACCESS (FIGURE 1)

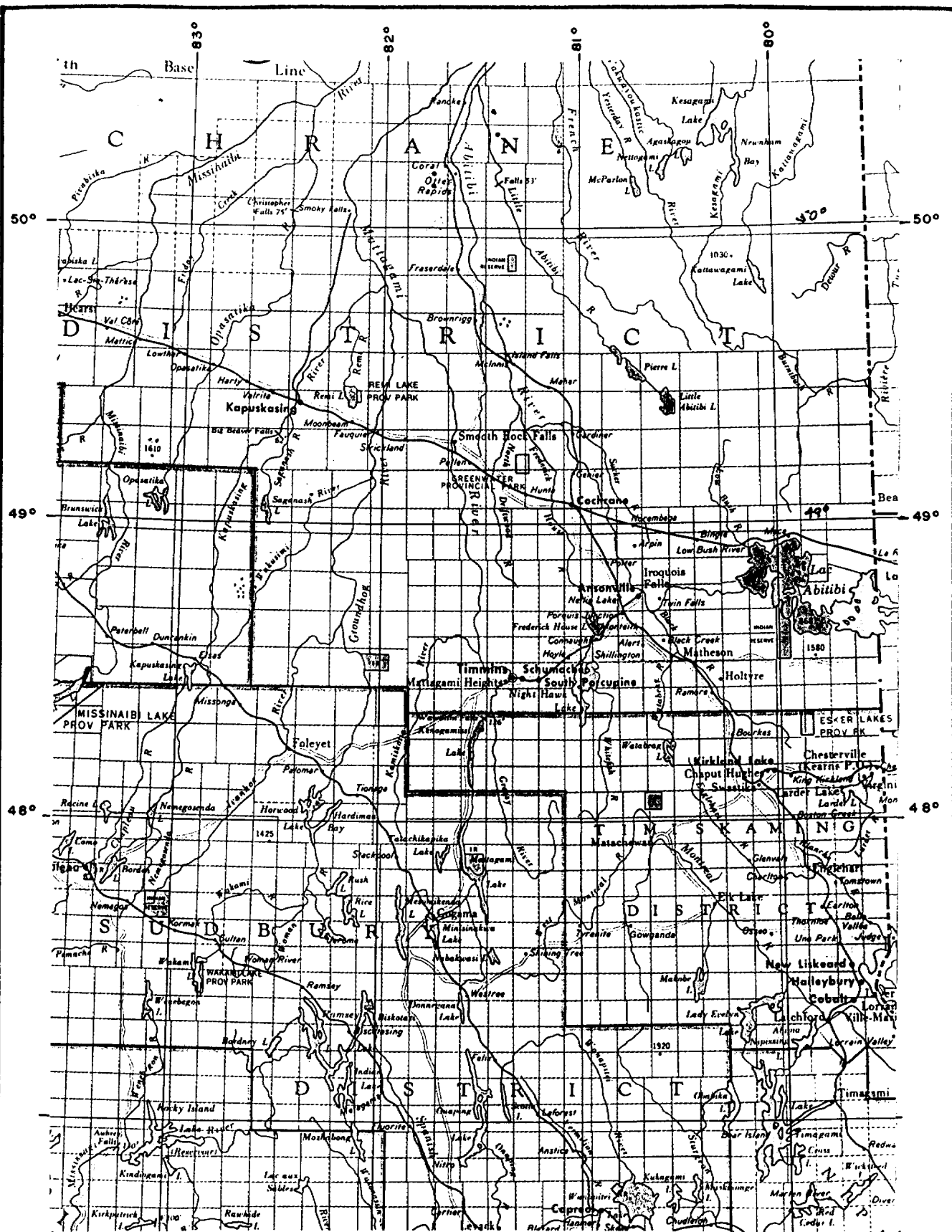
The Honcho Gold Mines Inc. property is located in the northern portion of Bristol Township, Porcupine Mining Division, Ontario at Latitude 48° 26' 00" and Longitude 81° 32' 30" or approximately 16 km (10 miles) west-southwest of the City of Timmins.

Access to the property is via Highway 101 west from Timmins for a distance of approximately 16 km (10 miles) to the Malette Lumber Mill and north via a lumber road which runs along the entire northern boundary of the property.

PROPERTY DESCRIPTION (FIGURE 2)

The property consists of 22 contiguous, unpatented mining claims numbered as follows:

P792793	P792845	P996005	P996011
P792830	P792846	P996006	P996019
P792831	P792848	P996007	P996020
P792842	P792849	P996008	P996021
P792843	P880865	P996009	
P792844	P880866	P996010	

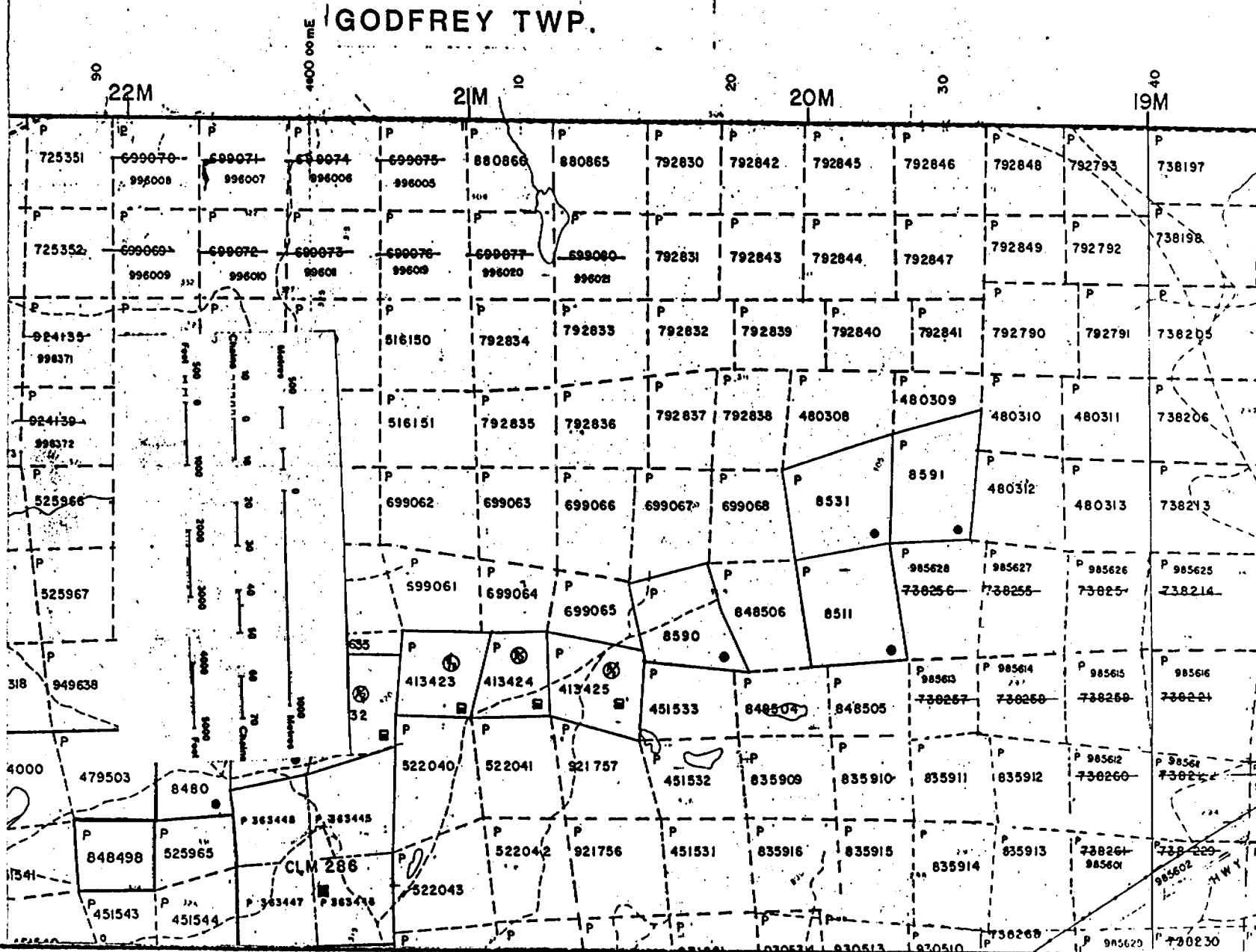


PROPERTY LOCATION

Scale 1"=32 miles

FIGURE 1

GODFREY TWP.



PORTION OF CLAIM MAP G3998
BRISTOL TOWNSHIP

FIGURE 2

PREVIOUS WORK

The geology of Bristol Township has been mapped and described by Ferguson in 1957. Pike and Middleton (1970) have described the regional geology and its relationship to sulphide mineralization in the area. Numerous gold showings occur in Bristol Township.

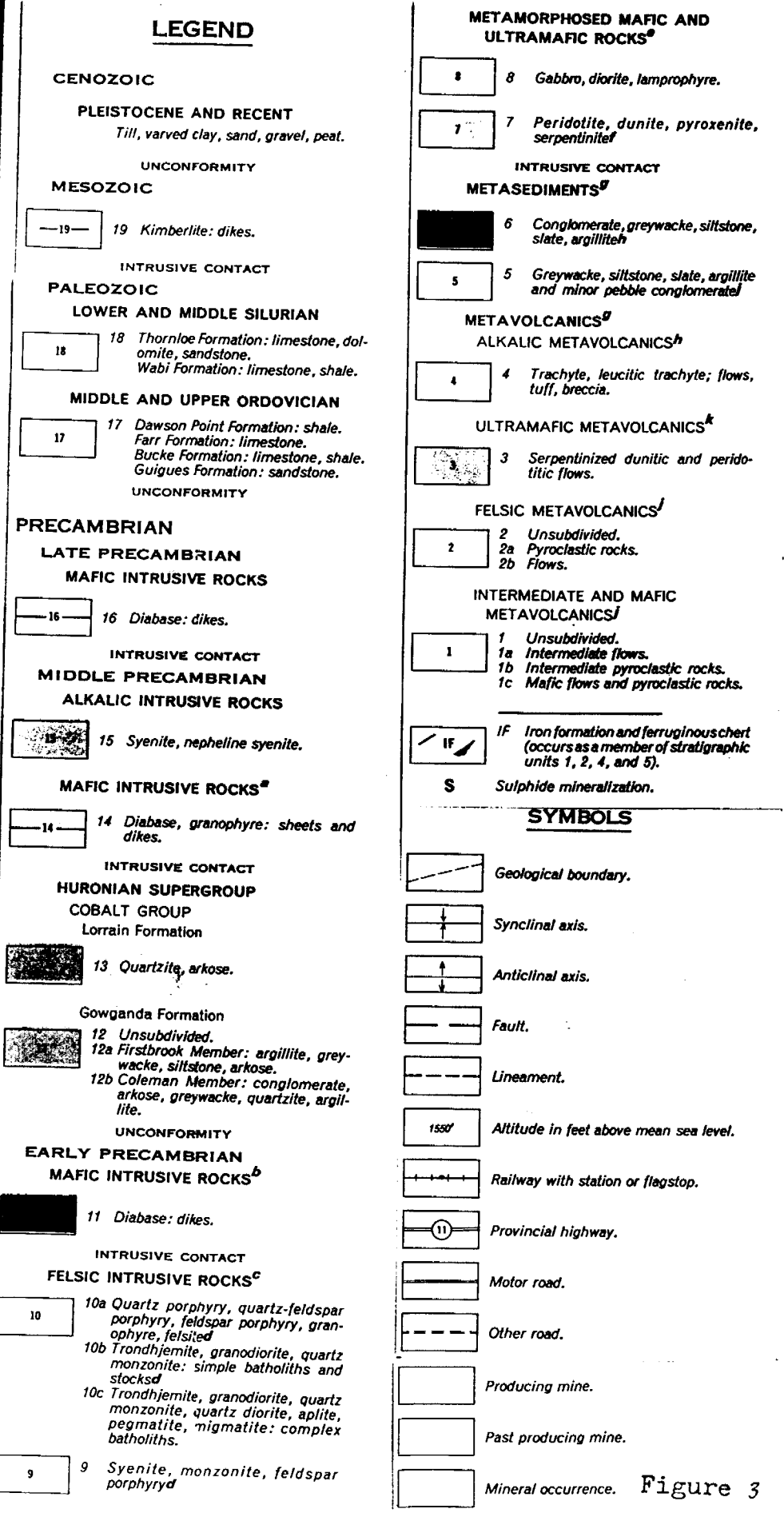
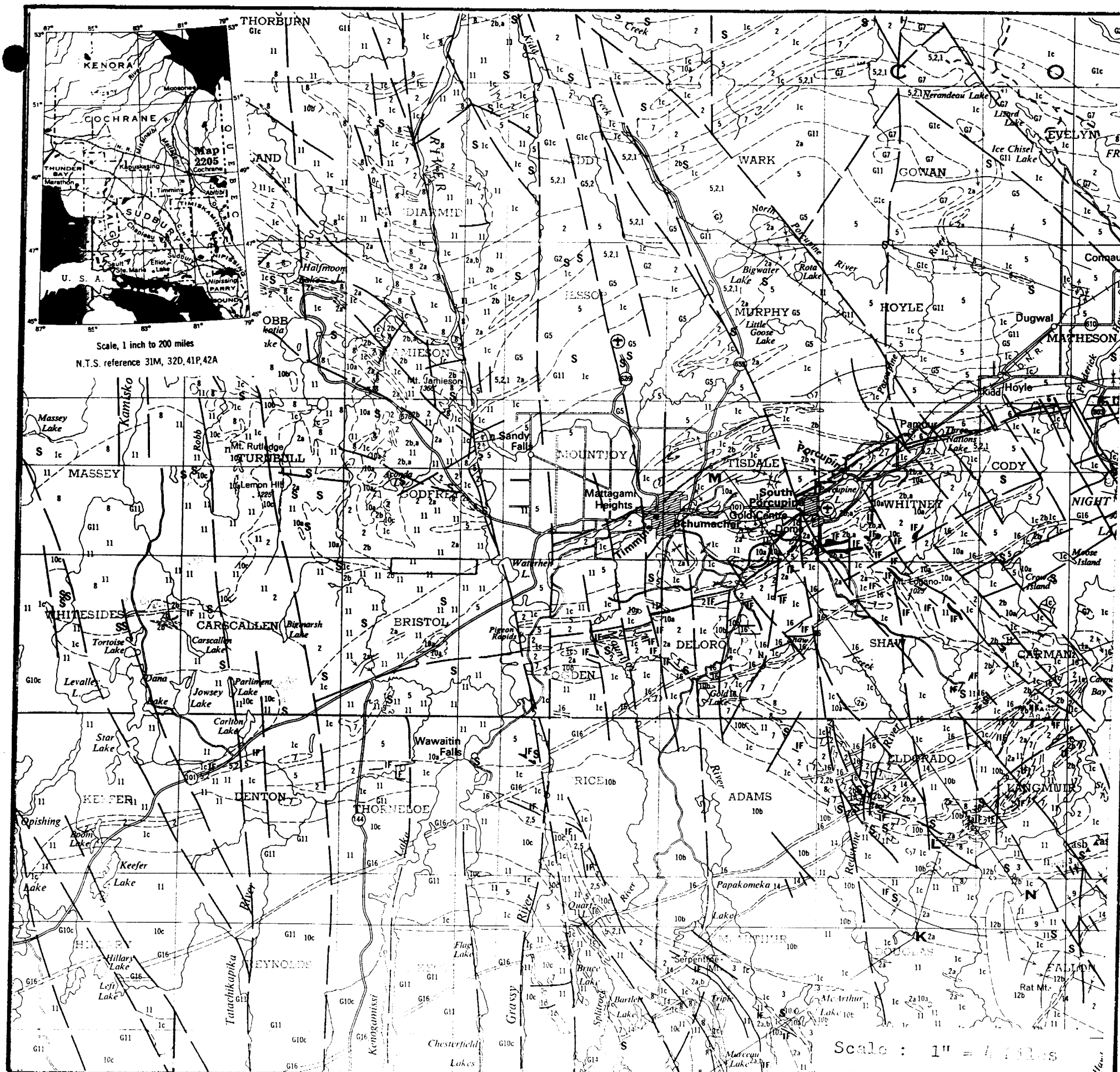
A review of the assessment work files in the Timmins resident geologist's office reveals that the following files are pertinent to the property: T-496; T-934; T-941; T-1099; T-1460; T-1752; T-2938; T-3075; T-3084.

All exploration work to date, within the present property boundary has been focused on a search for massive sulphide deposits.

REGIONAL GEOLOGY (FIGURE 3)

The regional geology shown on Figure 3 is a portion of the Ontario Department of Natural Resources Map 2205. The area is underlain by felsic metavolcanics, quartz-feldspar porphyry and diabase dikes.

The property is 5 km north of the projected western extension of the Porcupine Destor Fault and 4.5 kilometers west of the Mattagami River Fault (N-S).



PROPERTY GEOLOGY

Most of the property is covered by glacial overburden. Based on the geological information of the surrounding area and drill holes and limited outcrops in the western part of the property, it is assumed that the Archean volcanic rocks in the northern Bristol Township form the margin of the major volcanic eruptive complex centered on the Townships of Godfrey and Turnbull. The property is underlain by a succession of rhyolitic volcanic rocks including massive, cherty quartz-eye porphyry; pyroclastic breccias, crystal tuffs, lapilli tuffs, graphitic shales and sulphide-rich shales.

North of McDonnell Lake, the volcanics are intruded by feldspar porphyry and andesitic intrusive. Matachewan-type diabase dikes, striking north-northwest, cut all other rock types.

WORK COMPLETED

The grid was chained utilizing the Imperial System. Grid lines were established in a true north-south direction at 300' (91.44 m) intervals with pickets at 100' (30.48 m) intervals over the entire property. Base line 0 + 00 was started at claim post No. 4 of claim No. P996008.

A total of 27.88 line miles were cut.

GROUND MAGNETOMETER SURVEY

The ground magnetometer survey was completed utilizing a proton magnetometer (Geometrix Model G-816) capable of reading total field values to an accuracy of ± 1 gamma. The main base station was established at BL 30 + 00 E with a value of 58,767 gammas.

GROUND MAGNETOMETER SURVEY (Cont'd)

Secondary base stations were established at 100' (30.48 m) intervals along the base line to provide data for diurnal corrections. Diurnal variation was corrected by tying in to the base stations at time intervals less than 45 minutes. Maximum misclosure was 25 gammas. A total of 2,944 readings were taken.

VLF-EM 16 ELECTROMAGNETIC SURVEY

The electromagnetic survey was completed over the entire grid utilizing a VLF-EM 16 unit manufactured by Geonics Ltd. The station used for the survey was NAA Cutler, Maine with a frequency of 24.0 kHz. The Azimuth to the station (NAA) was 140°. All the readings were taken with the operator facing north.

A total of 1,472 readings were taken.

SURVEY RESULTS - MAGNETOMETER

The results of the survey are presented on Maps 1A and 1B (in back pockets). The maximum magnetic relief within the property is 2,166 gammas.

The portion of the property between lines 0 + 00 and 33 + 00 E is characterized by the presence of anomalous magnetic features which do not reflect geological trends on adjacent properties or any known regional structural trends. Prominent magnetic highs in the northern and southern portions of the property are separated by magnetic low with the strike NE-SW (L18E 20+00S; L27 E 10+00S). This is interpreted to be due to a local fault. The magnetically high areas (> 1,000 gammas) are probably underlain

SURVEY RESULTS - MAGNETOMETER (Cont'd)

by intrusive (diorite, quartz-feldspar porphyry?). The portion of the property between 75+00E and 108+00E is characterized by N-S trending magnetic highs which are due to diabase dikes. The remainder of the surveyed area has a low magnetic relief (200 gammas).

SURVEY RESULTS VLF-EM

The survey results are presented on Maps 2A and 2B in back pockets. These maps present the contours of Fraser Filter Plot of in-phase data for the NNA station (Cutler Maine), and the interpreted locations of conductor axis from profiles as well as the locations of the I.P. anomalies detected by Riocanex in 1983.

The results of the surveys are highly encouraging. The present survey detected a total of 40 anomalous zones which are different in amplitude, strike length, width, depth, direction and magnetic association, while previous surveys in adjacent properties failed to define anomalous zones. The anomalies are labeled numerically from 1 to 15 on Map 2B in back pocket.

The following table is a summary and brief description of all anomalies detected by the present survey.

VLF - EM ANOMALY SUMMARY

<u>ANOMALY NO.</u>	<u>STRIKE LENGTH</u>	<u>MAX.VALUE FRASER FILTER</u>	<u>MAGNETIC CORRELATION</u>	<u>COMMENTS</u>
1	1,700'	72	40 - 400	
2	800'	69	F* 500	faulted extention of #1?
3	150'	13	---	
4	150'	13	---	
5	800'	9	30	interpreted from profile
6	150'	--	---	
7	900'	112	---	<u>#1 priority</u>
8	900'	47	F 130	
9	900'	93	10	<u>#1 priority</u>
10	1,000'	68	---	<u>#1 priority</u>
11	1,000'	42	F 1050	<u>#1 priority</u>
12	150'	--	---	
13	500'	94	F 150	
14	900'	64	F 230	
15	800'	43	D 900	
16	1,200'	24	---	
17	600'	19	---	
18	600'	22	---	
19	1,200'	20	---	
20	300'	22	---	
21	300'	17	---	
22	300'	22	---	OBD
23	300'	+22	---	OBD
24	600'	+11	---	OBD
25	300'	+24	---	faulted extention of 18
26	300'	+17		
27	1,400'	+34	---	
28	300'	+24	---	OBD?
29	600'	+13	---	
30	900'	+26	---	

VLF - EM ANOMALY SUMMARY

<u>ANOMALY NO.</u>	<u>STRIKE LENGTH</u>	<u>MAX. VALUE FRASER FILTER</u>	<u>MAGNETIC CORRELATION</u>	<u>COMMENTS</u>
31	300'	+17	---	
32	300'	+12	---	
33	600'	+19	---	
34	300'	+27	---	
35	300'	+14	+100	
36	300'	+13	+145	
37	900'	+16	---	
38	600'	+21	+ 60	
39	300'	+25	---	
40	300'	+12	---	

* F - Flanking

CONCLUSIONS

A total of 40 VLF EM-16 conductors of a different nature were located during the present survey.

Anomalies 6, 12, 22, 23, 24 and 28 are probably caused by overburden conductivity.

The remainder of anomalies appears to be valid bedrock conductors.

RECOMMENDATIONS

Because of the presence of two strong overburden gold anomalies, approximately 10,000 feet in down-ice direction from the surveyed area, all of the conductors detected by the present survey deserve further evaluation.

Approximately 5,000 feet of diamond drilling (15 drill holes X 300') will be required in order to test all the anomalous areas detected so far.

Respectfully submitted,

Milan Hlava

Milan Hlava B.Sc., F.G.A.S.

CERTIFICATE

CERTIFICATE

I, Milan Hlava of the City of Timmins, Province of Ontario, Canada and the Town of Surrey, Province of British Columbia, Canada do state:

1. That I am a practising consulting geologist with offices at 24 Pine Street South, P.O. Box 1163, Timmins, Ontario P4N 7H9 and 14746 90A Avenue, Surrey, B. C. V3R 1B2.
2. That I am a graduate of Komensky University, Bratislava, Czechoslovakia (1968) with a degree of Bachelor of Science in Exploration Geology.
3. That I have practised my profession as a Geologist continuously since 1968 and as a Consulting Geologist continuously since 1984.
4. That I am a Fellow of the Geological Association of Canada since 1972.
5. That I have no interest directly, indirectly nor anticipated in Honcho Gold Mines Inc. or the property reported in this report.
6. That I am familiar with the material contained in this report, having examined all the material myself in the field.



Milan Hlava B.Sc., F.G.A.S.
Consulting Geologist

Aerial Cableway		Pipeline	(above ground)
Boundary		Railroad	
Interpretation		Single Track	
Interpretation		Double Track	
District, Township		Abandoned	
Indian Reserve		Territory	
Appropriation		Road	
Lot, Concession		Highway, County	
Appropriation		Township	
Post Boundary		At least (road at least)	
Bridge		No bridge or	
Road, Railroad		or experimental driveway	
Building		Trail, Bush Road	
Chimney		(garage, etc.)	
Cliff, Pit, Pile		Rapids	
Contours		Double line river	
Interpretation		with multiple rapids	
Appropriation		Double line river	
Depression		with multiple rapids	
Control Points		Reservoir	
Horizontal		River, Stream, Canal	
Vertical		Appropriation	
Culvert		Seasons	
Falls		(change of flow)	
Double line river		Rock	
Fence, Hedge, Wall		significant	
Feature Outline		local	
(contour features, etc.)		Spot Elevation	
Flooded Land		(less elevation)	
Lock		Tower	
Marsh or Swamp		Transmission Line	
Mast		Pipe	
Mine Head Frame		Pipe	
Outcrop		Tunnel	
		Utility Poles	
		Wharf, Dock, Pier	
		Wooded Area	

M.R.O. — MINING RIGHTS ONLY							
S.R.O. — SURFACE RIGHTS ONLY							
M.+S. — MINING AND SURFACE RIGHTS							
Description	Order No.	Date	Disposition	File			
			S.R.O.	164584			
SEC. 36/00	W 227-03	10/17/83	WYS	NRW 33/85			
REOPENED - BY ORDER NRD 22/17							
FEB. 19 1987							

20 17 4500 53600

20 17 4600 53600

20 17 4600 53600

20 17 4500 53600

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 FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

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	②
CANCELLED	⊖
SAND & GRAVEL	⊙

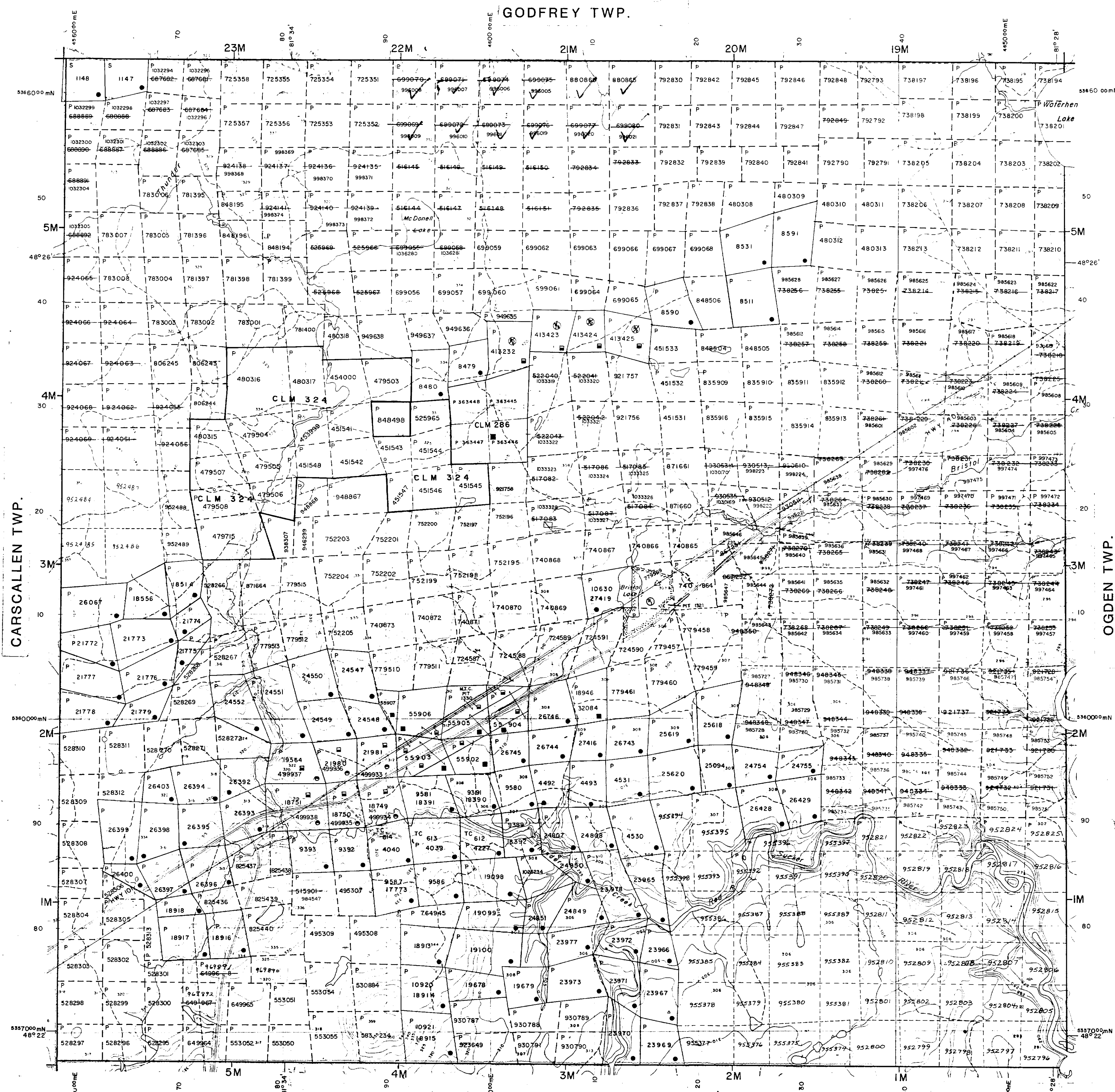
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1912 LISTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC.

SCALE 1:20 000
ZONE : 17

RECEIVED
MAY 3 1968

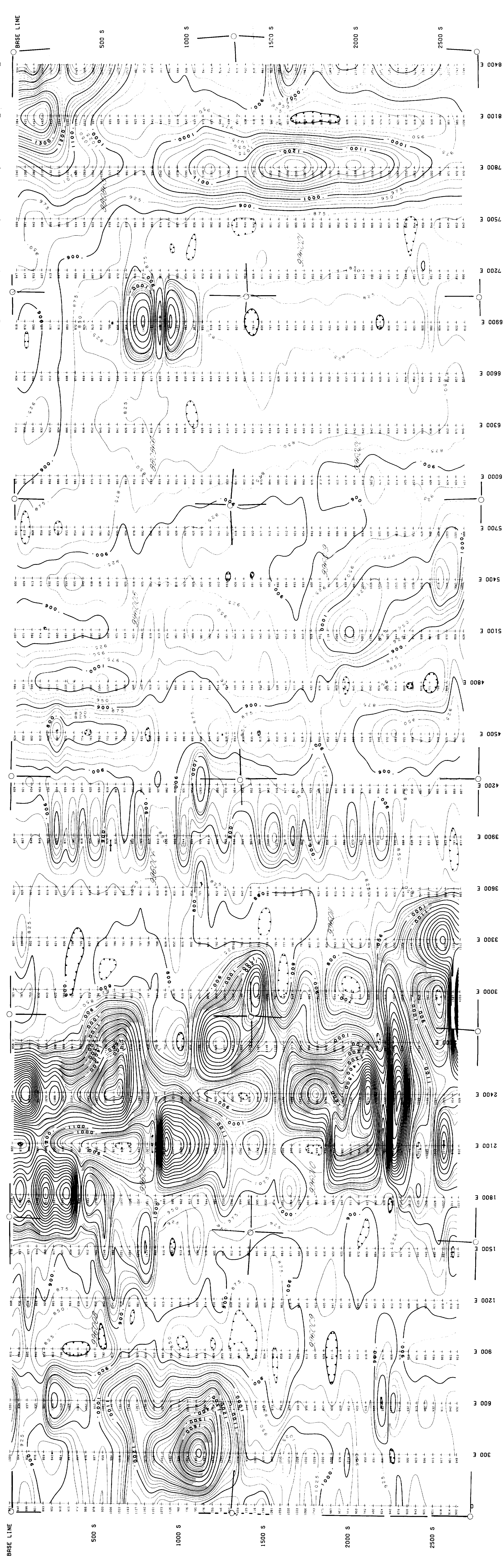
 Ministry of Land
Natural Management
Resources Branch

ORIGINAL COMPILATION	JULY 1984	Number G-3998
Feb. 9/87 JB		

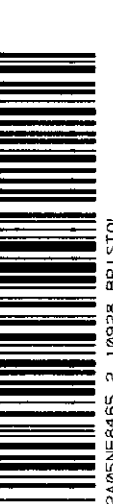
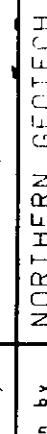




4440496855 2:10928 BR 197L



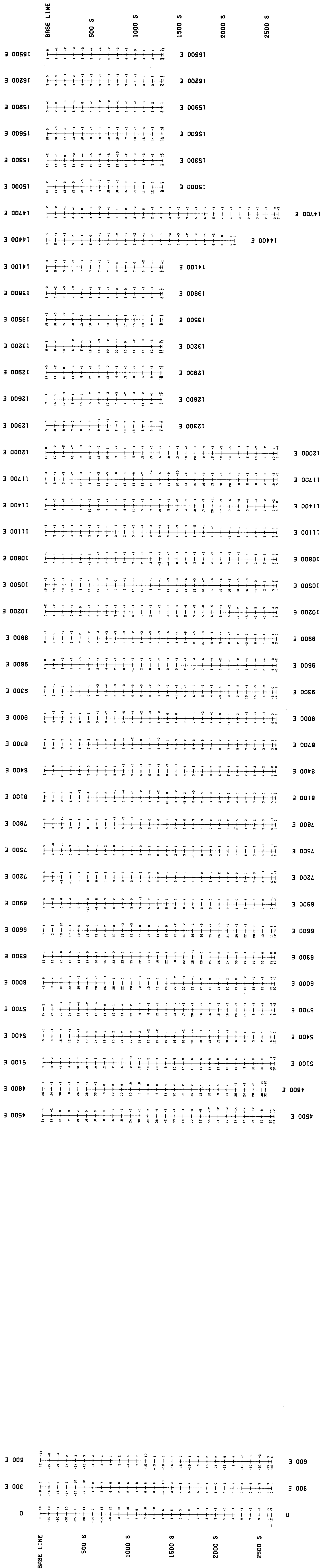
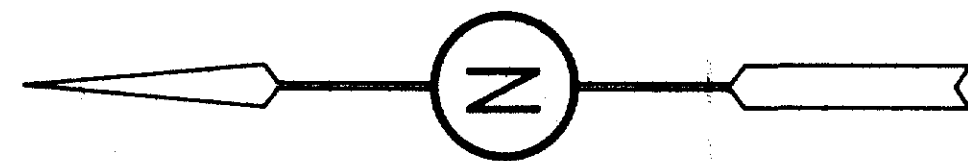
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Series: No. 1	
Date: 17-FEB-88	
Contour Interval: 25 metres	
Contours:	
Depression contours:	
LAFORST-HLAVA LTD EXPLORATION SERVICES LTD	
MAGNETOMETER SURVEY	
Project: BRISTOL TWP	
Survey: WEST SIDE MAP 1A	
Scale: 1" = 200'	
Drawn by: NORTHERN GEOTECH	

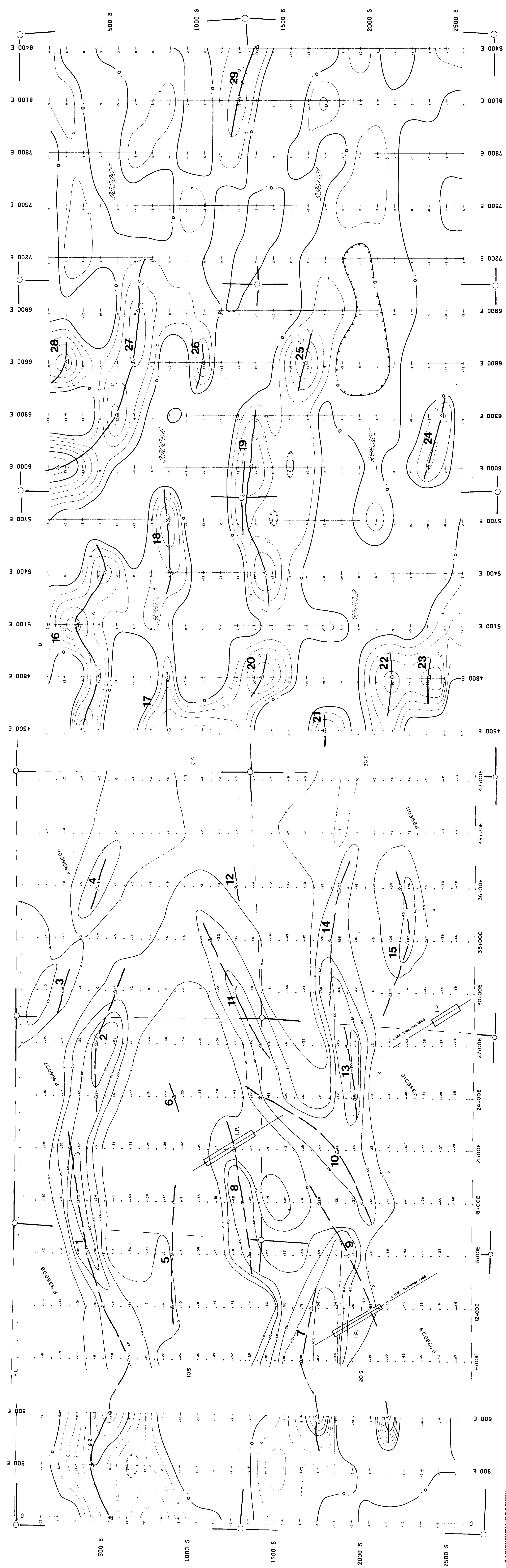
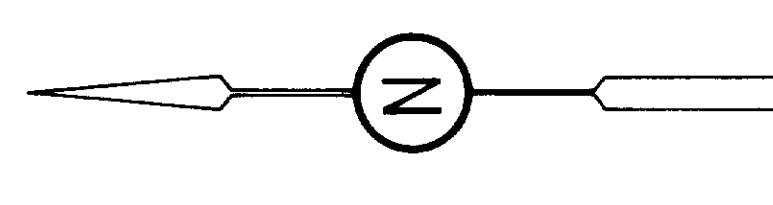




EXPLORENT 3.1 FROM BRISTOL

LAFORST-HILVA EXPLORATION SERVICES LTD.	
VLF SURVEY	
From	HONCHO GOLDMINE LTD.
Project	BRISTOL TWP.
Survey	
Scale	1" = 400'
File loc.	
Doc. loc.	
Date	18-APR-88
Survey'd by	
Appr'd by	
Chk'd by	
Drawn by	NORTHERN GEOTECH





SURVEY LEGEND	
Instrument: GEONICS EM-16	
Series: N/A	
Date: 12 FEB 88	
Contour Interval: 50	
Contour: 1000	
Depression Contour: 1000	
LAFORST - HLAVA EXPLORATION SERVICES LTD	
FRASER FILTERED VLF SURVEY	
PROJECT: BRISTOL TAP	
SHEET: WEST SIDE MAP 2A	
Scale: 1:50,000	
File: 10928	
Date: 12 FEB 88	
Surveyed by: [Signature]	
Checked by: [Signature]	
2-10928	
NORTH-STAR-TECH	

