

63.3984



42A06NE0383 63.3984 SHAW

010

LACANA MINING CORPORATION  
GEOPHYSICAL REPORT  
ON A  
MAGNETIC SURVEY  
SHAW TOWNSHIP  
PORCUPINE MINING DIVISION  
ONTARIO

April 1981  
Kirkland Lake, Ontario

R. C. Wells, B.Sc.

*R. C. Wells*  
25/5/81.

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## INTRODUCTION

Lacana Mining Corporation took an option on 13 unpatented claims in Shaw Township in 1980. During January and February 1981, a grid was cut on the property and a magnetic survey was completed. This report gives details of the magnetic survey as required for assessment by the Ontario Government.

## LOCATION AND ACCESS

Lacana Mining Corporation holds 13 contiguous unpatented claims in Shaw Township, Porcupine Mining Division. The claims are as follows:

P 353822-823-824-825-826-827-828

P 528942-943-944-945-946

P 578226

From here onwards, the claim group will be referred to as the Property. The Property is located in the northern part of Shaw Township to the west of Goose Lake. An all weather gravel road from South Porcupine gives access to Shaw Township. From Tisdale water supply an east trending bush road can be driven as far as Goose Lake in dry weather. This track passes through the northern part of the Property.

## PREVIOUS WORK

The area was thoroughly prospected during the discovery era of the Porcupine Mining Camp, around 1909, and in 1925, two shafts, each 60 feet deep, were sunk by Porcupine Hudson Bay Mines Ltd.

The ground was subject to a great deal of surface stripping, trenching and sampling at various times. Bay Lake Gold Mines Ltd. held the Property between 1930 and 1966. Bay Lake optioned the Property to Sylvanite Gold Mines Ltd. in 1940, the latter did a large amount of bulk sampling. Assays from the bulk sampling program ranged up to 0.05 ounces of gold per ton.

Flint Rock Mines Ltd. staked the Property after the claims reverted to the Crown in 1966. Flint Rock drilled 11 holes on the Property in 1972 and 1974. Assays from mineralized zones in the core gave gold contents ranging from 0.02 ounces per ton over 2½ feet to 0.36 ounces per ton over 6.0 feet.

Lacana Mining Corporation took an option on the Property in 1980.

#### TOPOGRAPHY

Much of the northern and western parts of the Property consist of gently undulating upland with numerous outcrops and open birch woodland. The south and southeastern parts of the Property are low lying and swampy.

#### GENERAL GEOLOGY

The geology of Ogden, Deloro and Shaw Townships is covered by Ontario Department of Mines, Open File Report 5012 (1967) by H. D. Carlson. The claims are underlain by intermediate to mafic metavolcanic flows with narrow banded iron formation and interflow pyroclastic zones. The volcanics and iron formations strike roughly NW-SE and dip gently to the NE.

There are a number of zones of intense carbonate alteration on the Property, some of these are closely associated with the iron formations while other wider zones have a more easterly trend, have steep dips and seem to crosscut the stratigraphy.

#### GRID CUTTING

A grid, over 25 miles long, was cut on the Property during February 1981 by Gelinas and Associates Ltd. of St. Severe, Quebec. The base line, Az 315° and grid lines, Az 45° were cut, chained and picketed. Much of the Property was covered by 100 foot spaced grid lines with tie lines at every 500 feet.

#### MAGNETOMETER SURVEY

##### (a) METHOD

A Scintrex MP-2 Proton Magnetometer was used for the survey. Readings were taken at 50 foot stations on the grid. The survey was conducted in a series of closed loop traverses with stations on the base line being used as base stations. Diurnal corrections were made.

##### (b) RESULTS AND CONCLUSIONS

The readings from the magnetometer survey are plotted in Figure 1. Readings over the detailed part of the grid (100 foot spaced lines) are contoured in Figure 2.

A prominent southeast trending magnetic ridge is evident in Figure 2. The ridge has 2,000 to 10,000 gammas relief and occurs

over the main iron formation zone on the Property. The contour pattern over the formation suggests shallow dips and strong folding. Small isolated magnetic ridges to the east and west of the main zone may represent fragmented iron formation or sites where folding has brought the formation close to surface.

Away from the iron formation, the magnetic grain is predominantly SE to ESE.

The 1972 diamond drilling by Flint Rock Mines intersected mineralized tuff beds associated with iron formation which gave high gold values. The magnetic survey accurately delineated the main iron formation zone and a number of other zones. These zones are targets for future exploration.



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REPORT ON EXPLORATION DURING 1981  
FOR THE  
SHAW PROJECT, SHAW TOWNSHIP  
PORCUPINE MINING DIVISION, ONTARIO

Ronald C. Wells  
Lacana Mining Corporation  
Kirkland Lake, Ontario  
November, 1981

*A. Y. Barber*  
*For R.C. Wells*

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## CONCLUSIONS AND RECOMMENDATIONS

Six diamond drill holes totalling 2,312 feet were completed on the property during the period March to April 1981.

It is very hard to explain the differences in assay results between the 1972 drilling by Flint Rock and the 1981 drilling by Lacana. No significant gold values were obtained from the main carbonate zone in 1981, while Flint Rock reports values up to 0.24 oz. Au/ton over 15 feet. The gold distribution may be highly erratic in the carbonate zone but DDH SH-6-81 drilled within the carbonate zone for 247 feet did not intersect any gold values. The mineralized iron formation produced higher assays, in the 0.02 oz. Au/ton range, but again still not nearly as high as those obtained by Flint Rock. Assays from surface pits within the iron formation gave similar results to the Lacana drilling.

It was concluded that the Flint Rock assays were highly suspect and that the property should be dropped.

## LOCATION AND PROPERTY STATUS

Lacana Mining Corporation took an option on 13 contiguous unpatented claims in Shaw Township, Porcupine Mining Division, in 1980. The property is located in the northern part of Shaw Township to the west of Goose Lake.



## PREVIOUS WORK

Bay Lake Gold Mines Ltd. held the property between 1930 and 1966. Sylvanite Gold Mines Ltd. optioned the property in 1940 and completed a large amount of bulk sampling with assays ranging up to 0.05 oz. Au/ton.

Flint Rock Mines Ltd. presently holds the property. From 1972 to 1974 11 holes were drilled by the owners. Assays from mineralized zones in the core gave gold contents ranging from 0.02 oz. Au/ton over 2 1/2 feet to 0.36 oz. Au/ton over 6.0 feet.

## GEOLOGY

The claims are underlain by intermediate to mafic metavolcanic flows with narrow banded iron formation and interflow pyroclastic zones. The volcanics and iron formations strike roughly NW-SE and dip gently to the NE.

There are a number of zones of intense carbonate alteration on the property, some of which are closely associated with the iron formations while other wider zones have a more easterly trend and steep dips, and seem to crosscut the stratigraphy.

## 1981 WORK PROGRAM

During February 1981 Gelinas and Associates Ltd. cut a grid over 25 miles long on the property and completed a detailed magnetometer survey. Six diamond drill holes totalling 2,312 feet were put down on the property during April 1981 by Norex Drilling Ltd. Table 1 summarizes the drilling. Much of the core was sent for assay and sludge samples were taken for each hole. A probe was used on each hole producing gamma and S.P. logs. After drilling, all the old pits and trenches on the property were resampled.

## RESULTS

The magnetometer survey accurately outlined the iron formation on the property.

The drill results were very disappointing, as the assays by Flint Rock could not be reproduced even though some of the same drill set-ups were used. Quartz vein material was intersected but in most cases it was barren.

Sludge samples were assayed prior to sampling the core so that no mineralized sections were missed. Four of the 1981 holes were essentially re-drilling previous Flint Rock holes (Table 1). DDH-SH-6-81 was put down on the main carbonate zone close to the old shaft and was angled so that it would stay within the zone (i.e., it was drilled down dip). The hole stayed in carbonate rock for 247 feet; no significant mineralization was intersected.

Assays from the surface pits and trenches generally ranged from trace Au to 0.08 oz. Au/ton.

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SHORT REPORT ON DIAMOND DRILLING  
 FLINT ROCK PROPERTY  
 SHAW TOWN



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GENERAL

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Six diamond drill holes were completed during the period March to April 1981 on the Shaw Property by Norex Drilling Ltd. of South Porcupine. Details on the drilling occur in the following table.

Hole No. (1981)	Length	Dip	Grid Location	Bearing	Redrill Hole No. (1972)	Target
SH-1-81	550'	50°	5+20S/5+80E	180°	DDH - 8#	Carbonate Zone
SH-2-81	400'	50°	5+10S/2+80W	230°	DDH - 1#	Mineralized Tuffs
SH-3-81	389'	50°	0+75S/2+35E	190°	DDH - 10# (approx. position)	Carbonate Zone
SH-4-81	357'	50°	1+50S/1+30W	230	DDH - 5#	Mineralized Tuffs
SH-5-81	469'	50°	4+00N/0+80W	230		Intersection of Tuffs and Carbonate Zone
SH-6-81	247'	80°	6+15S/5+50E	180°		Carbonate Zone
Total	2,312'					

The first four holes tested the 1972 drilling results of Flint Rock Mines Ltd. Significant gold mineralization occurred as reported by Flint Rock in each of the four 1972 holes, as follows:

DDH-8#	224 ft. to 229 ft. (5 ft.)	0.21 oz. Au/ton
	237 ft. to 252 ft. (15 ft.)	0.24 oz. Au/ton
DDH-1#	71.5 ft. to 775 ft. (6 ft.)	0.36 oz. Au/ton
	303 ft. to 307.5 ft. (4.5 ft.)	0.25 oz. Au/ton

DDH - 10#	148.0 ft. to 154.5 ft. (6.5 ft.)	0.38 oz. Au/ton
DDH - 5#	55.0 ft. to 58.5 ft. (3.5 ft.)	0.21 oz. Au/ton

In DDH's 1# and 5# (1972) the gold mineralization is recorded to be associated with mineralized tuff beds. The upper mineralized zone was traced 700 feet by the 1972 drilling through seven drill holes and the average gold content ranged from 0.02 oz. Au/ton over 2 1/2 feet to 0.36 oz. Au/ton over 6 feet.

In DDH's 8# and 10# (1972) the gold mineralization was associated with pyrite bearing quartz veins in the main carbonate zone.

#### RESULTS

The 1981 holes by Lacana that tested the previous 1972 drilling could not duplicate the results. Assays from sludge samples taken every 10 feet when possible and from core samples were not at all comparable with those from the 1972 drilling.

DDH's 1 and 3 both intersected the main carbonate zone which seems to dip vertically to 80°S. The carbonate probably follows a major fault zone. Fuchsite-bearing zones occur within the carbonate rocks and contain much broken quartz. All quartz vein material was split and assayed; the highest values obtained were in the region of 150 ppb. The 1972 drill logs mentioned that the gold-bearing quartz veins contain up to 10% sulfides; no significant sulfide mineralization was observed in any of the quartz veins in the 1981 core.

DDH-6(1981) (SH-6-81) was drilled down the carbonate zone in the vicinity of the old shaft (20 ft. away) to test whether DDH-5-81 had missed the gold-bearing zones intersected

by DDH-8#(1972). The hole kept with the carbonate zone for a total length of over 247 ft. No values higher than trace Au were obtained from the sludges on split core samples, although large amounts of vein quartz were present.

The carbonate zone is very similar in appearance to the gold-bearing carbonate-fuchsite zones in Tisdale Township with the exception that sulfide mineralization is sparse to absent.

DDH's 2 and 4 (1981) intersected a number of strongly mineralized zones within a sequence of tuffs and iron formation. The iron formation varies from a few inches to over twenty feet in thickness and locally contains up to 20% pyrite and/or 20% pyrrhotite with some magnetite. Minor amounts of chalcopyrite are present with the other sulfides. The sulfides occur as conformable layer lenses and pods within the iron formation (sulfide iron formation).

Assays from the mineralized iron formation were generally much higher than from the carbonate zone. The highest value obtained was from a sludge sample (SH-4-81) 190' to 200', 0.06 oz. Au/ton. The highest core sample gave 0.03 oz. Au/ton over 2.5 ft in SH-2-81 (142 - 144.5 ft.). These values are still nowhere near as high as those obtained by the 1972 drilling.

DDH SH-5-81 tested the northern end of the iron formation zone where it merges with the main carbonate zone. Split core from this hole has still to be assayed though no significant mineralization was observed.

#### CONCLUSIONS

In 1940 Sylvanite Gold Mines Limited held an option on the property and did a large amount of bulk sampling on the most interesting showings; the best assay value returned from

this work was 0.05 oz. Au/ton. This value is in the same range as the highest values obtained from the 1981 Lacana drilling. Some split core from the 1972 drilling was found in the vicinity of DDH's 2# and 8# (1972). The split core was collected and assayed; trace gold was obtained from both samples.

It is very hard to explain the difference in assay results between the 1972 and 1981 drilling. The gold distribution may be highly erratic in the carbonate zone but DDH SH-6-81 drilled within the carbonate zone close to the old shaft did not intersect any significant gold mineralization over 247 feet.

The mineralized iron formation seems to be a better target for future exploration, only 700 feet of the formation has been explored so far. Again, however, it is difficult to explain the difference between the 1972 and 1981 results. The lower mineralized zone (around 300 ft.) of the 1972 drilling was not encountered by any of the three 1981 holes (SH-2,4,5). The upper mineralized zone of the 1972 drilling roughly corresponds in position with this higher values obtained in 1981. Future work should concentrate on the southerly continuation of the upper mineralized iron formation. Much of the formation occurs close to or at surface and could be examined by stripping or shallow trenching.

The possibility of salting in the Flint Rock assay values cannot be discounted, however, and additional split core located near the old holes should be sought, and assayed. If once again no significant values are obtained, either here or in the surface work, no additional expenditures can be recommended.

HOLE SH-3-51PAGE 1DRILL HOLE LOGPROPERTY FLINT ROCK - SI'ANDEP 2+35EDISTRICT SHAW INP. TIMMINS

ELEV \_\_\_\_\_

LOCATION CLAIM 528943BEARING Az190°OBJECTIVE Test Carbonate zoneDIP 50°LENGTH 289 FT

COMMENCED \_\_\_\_\_

ETCH. AT 58° @ 289 FT

COMPLETED \_\_\_\_\_

TRUE DIP 50° @ 289 FTLAT (1) 75 S

HOR. COMPONENT \_\_\_\_\_

VER. COMPONENT \_\_\_\_\_

TOTAL RECOVERY 100%OTHER SURVEYS MAGDRILLED BY ALBEX LTDSOUTH PARQUINELOGGED BY R. C. Wells BSc

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	LENGTH FT.	ANALYSES					
FROM	TO				%	%	%	%	oz/t	oz/t
0	90	CASING	151	34.8-35.3						
90	161.5	CARBONATED INTERMEDIATE METAVOLCANIC Grey to greenish grey, moderately soft, carbonated intermediate flows (Andesite) Distinct speckled appearance from carbonate alteration. Some disseminated pyrite occurs locally. Little quartz veining. Rusty, strongly carbonated zones occur locally. ① 22.0' 1" rusty carbonate zone 45° CA ② 26.5' to 27.5' rusty carbonate zone with some disseminated Py. ③ 35.0 1/2" quartz vein. 50° CA. ④ 75.0 1 1/2" quartz vein 35° CA minor tourmaline. ⑤ 83.2 to 86.0 Pure Carbonate brown to pinkish, very coarse grained with small flecks of fuchsite or light	152 153	74.9-75.3 83.0-87.0						







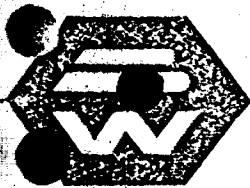


COEE SAMPLES

DDH SH-3-81

SAMPLE NO.	DEPTH		ASSAYS AU OZ. TON
	FROM	TO	
27151	14.8	15.2	TRACE
2	74.9	75.2	TR
3	83.0	87.0	TR
4	100.9	101.6	TR
5	110.4	110.8	TR
6	166.4	166.4	TR
7	172.0	173.0	TR
8	176.9	177.9	TR
9	201.5	202.5	0.002 *
27150	204.0	205.5	TRACE
1	209.7	209.7	TR
2	216.5	219.5	TR
3	222.8	223.8	TR
4	225.0	227.0	0.005

\* ESTIMATED



# BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187,

HAILEYBURY, ONTARIO

TEL: 672-3107

## Certificate of Analysis

NO. B90-91

DATE: April 13, 1981

SAMPLE(S) OF: Sludge(28)

RECEIVED: April 1981.

SAMPLE(S) FROM: Mr. R. Wells, Lacana Mining Corporation

### Hole SH-3-81

#### Footage

#### Gold ppb

10-20	44
20-30	26
<del>40-50</del> * 30-40	27
40-50 *	18
50-60	29
60-70	14
70-80	10
80-90	11
90-100	14
100-110	16
110-120	5
120-130	12
130-140	29
140-150	12
150-160	22
160-170	5
170-180	11
180-190	5
190-200	16
200-210	34
210-220	30
220-230	63
230-240	70
240-250	152
250-260	172
260-270	163
270-280	128
280-290	152

\* Footages duplicated.

BELL-WHITE ANALYTICAL LABORATORIES LTD.



FOOTAGE		DESCRIPTION	SAMPLE NUMBER	LENGTH FT.	ANALYSES $A_v$						
FROM	TO				%	%	%	%	oz/t	oz/t	
		① 64.0 to 65.0; 80.2 to 89.0; Rusty carbonate zones. Quartz veins at 88.0, 88.7, 89.0. @ 70° to 90° CA.	110	106.0-108.7						TR	
			111	111.5-112.6						TR	
		② 91.0 1" quartz vein 80° CA.	112	122.0-123.0						TR	
		② 94.5 1½" quartz vein 45° CA.	113	126.0-129.0						TR	
97.0'	142.0'	CARBONATED TUFFS & TUFF BRECCIAS Grey to greenish grey to yellowish generally soft. Tuff and tuff breccias displaying original bedding and other textures. 70°-80° CA. Coarse tuff breccias occur locally. ① 97.0 to 102.0 Carbonated tuff breccia ② 102.0 to 108 Fine breccia and tuff with fragments of siliceous iron formation and black Py. ③ 107.0 to 108.0 rusty carbonate zone ④ 111.5 fine quartz vein with coarse Pyrite cubes. ⑤ 122.7 1" quartz vein 35° CA. pyritic partings. ⑥ 126.0 to 129.0 Rusty carbonate zone with quartz and coarse Py. At top 3" of oxide iron formation. ⑦ 131.0 to 136.0 Tuff breccia with numerous fragments of siliceous	114	133.5-136.5						TR.	







COLE SAMPLES

DDH SH-5-81

SAMPLE NO.

DEPTH

ASSAYS  
AU OZ. TON

FROM TO

SAMPLE NO.	DEPTH FROM	DEPTH TO	ASSAYS AU OZ. TON
27101	25.0	27.0	TRACE
2	27.0	28.0	TR
3	35.0	36.0	TR
4	51.0	52.0	TR
5	57.0	58.0	TR
6	64.0	65.0	TR
7	80.0	82.0	TR
8	88.2	89.2	TR
9	87.0	89.0	TR
27110	100.0	108.7	TR
1	111.5	112.0	TR
2	122.0	123.0	TR
3	126.0	129.0	TR
4	133.5	136.5	TR
5	142.0	144.5	TR
6	147.0	148.0	TR
7	168.2	170.5	TR
8	313.5	314.2	TR
9	392.4	394.5	TR

SUDGE SAMPLES

DDH

SH-S-81

SAMPLE NO.

DEPTH

ASSAYS

FROM

TO

AU PPB

17

30

14

30

40

7

40

50

18

50

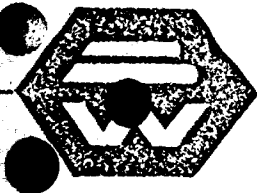
60

5

60

65

7



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HAILEYBURY, ONTARIO

TEL: 672-3107

## Certificate of Analysis

NO. 16716

DATE: May 22, 1981

SAMPLE(S) OF: Core(19)

RECEIVED: May 1981

SAMPLE(S) FROM: Lacana Mining Corporation

SH-5-81

Sample No.

Oz. Gold

27101

2

3

4

5

6

7

8

9

27110

1

2

3

4

5

6

7

8

9

Trace 20.2

Trace 27.730

Trace 35.20

Trace 41.52

Trace 57.58

Trace 67.05

Trace 80.32

Trace 83.2-85.2

Trace 87.2

Trace 100-105.7

Trace 115-112.6

Trace 122-123

Trace 126-129

Trace 133.5-136.5

Trace 142-144.5

Trace 147-148

Trace 163.2-170.5

Trace 213.5-214.7

Trace 293.4-293.5







CORE SAMPLES

DDH SH-6-81

SAMPLE NO.	DEPTH		ASSAYS Au Oz. TON
	FROM	TO	
27062	33.0	38.0	TRACE
3	38.0	43.0	TR
4	43.0	48.0	TR
5	48.5	51.0	TR
6	50.0	51.0	TR
7	58.5	60.5	TR
8	72.3	73.3	TR
9	99.5	100.5	TR
27070	119.0	120.5	TR
1	140.6	142.0	TR
2	151.5	152.5	TR
3	156.5	157.5	TR
4	165.3	167.0	TR
5	168.7	170.0	TR
6	172.0	173.4	TR
7	174.0	175.0	TR
8	177.7	180.4	TR
9	183.0	185.5	TR
27080	191.7	192.4	TR



LUDGE SAMPLES

DPH SH-6-81

SAMPLE NO.

DEPTH

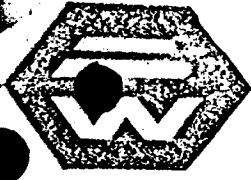
ASSAYS  
Au PPB

FROM

TO

20	30
30	40
40	60
60	70
70	80
80	90
90	100

10
7
8
19
18
14
16



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

## Certificate of Analysis

NO. B119-31

DATE: May 14, 1981

SAMPLE(S) OF: Sludge(12)

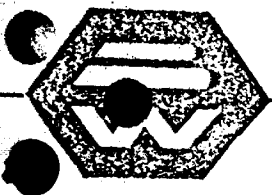
RECEIVED: May 1981

SAMPLE(S) FROM: Lacana Mining Corporation

	<u>Footage</u>	<u>Gold ppb</u>
SH-5-81	17 - 30	14
	30 - 40	7
	40 - 50	18
	50 - 60	5
	60 - 65	7
SH-6-81	20 - 30	10
	30 - 40	7
	40 - 60	8
	60 - 70	19
	70 - 80	18
	80 - 90	14
	90 - 100	16

AGREEMENT WITH LONG ESTABLISHED NORTH  
AMERICAN CUSTOMERS THAT THE VALUES STATED  
IN THIS GOLD ANALYSIS HAVE BEEN REPORTED ON  
SHEETS HAVE NOT BEEN ADJUSTED TO CORRECT  
FOR LOSSES AS A RESULT OF THE PURE  
ASSAY PROCEDURE.

BELL-WHITE ANALYTICAL LABORATORIES LTD.



# BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

## Certificate of Analysis

NO. 14620

DATE: May 8, 1981.

SAMPLE(S) OF: Core(51)

RECEIVED: May 1981.

SAMPLE(S) FROM: Mr. R. Wells, Lacana Mining Corporation.

<u>Sample No.</u>	<u>Oz. Gold</u>	<u>Sample No.</u>	<u>Oz. Gold</u>
27051	Trace	27075	Trace
2	Trace	6	Trace
3	Trace	7	Trace
SH-4 4	Trace	SH-6 8	Trace
5	Trace	9	Trace
6	0.002*	27080	Trace
7	Trace	old core 1	Trace
8	Trace	27151 2	Trace
SH-2 9	Trace	3	Trace
27060	Trace	4	Trace
2	Trace	5	Trace
3	Trace	SH-3-81 6	Trace
4	Trace	7	Trace
5	Trace	8	Trace
6	Trace	9	0.002*
SH-6 7	Trace	27160	Trace
8	Trace	1	Trace
9	Trace	2	Trace
27070	Trace	3	Trace
1	Trace	4	0.005
2	Trace		
3	Trace		
4	Trace		

\* Estimated.

PER:



GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 2397 Number of Readings 2397
Station interval 50 FEET x 100 FEET Line spacing 100 FT x 400 FT
Profile scale
Contour interval 200 x

MAGNETIC

Instrument SCINTREX MP-2 PROTON MAG
Accuracy - Scale constant 1 x
Diurnal correction method CLOSED LOOP TRAVERSES
Base Station check-in interval (hours) APPROX EVERY 40 MINUTES
Base Station location and value EVERY 100 FT ALONG BASE LINE

ELECTROMAGNETIC

Instrument
Coil configuration
Coil separation
Accuracy
Method: [ ] Fixed transmitter [ ] Shoot back [ ] In line [ ] Parallel line
Frequency (specify V.L.F. station)
Parameters measured

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

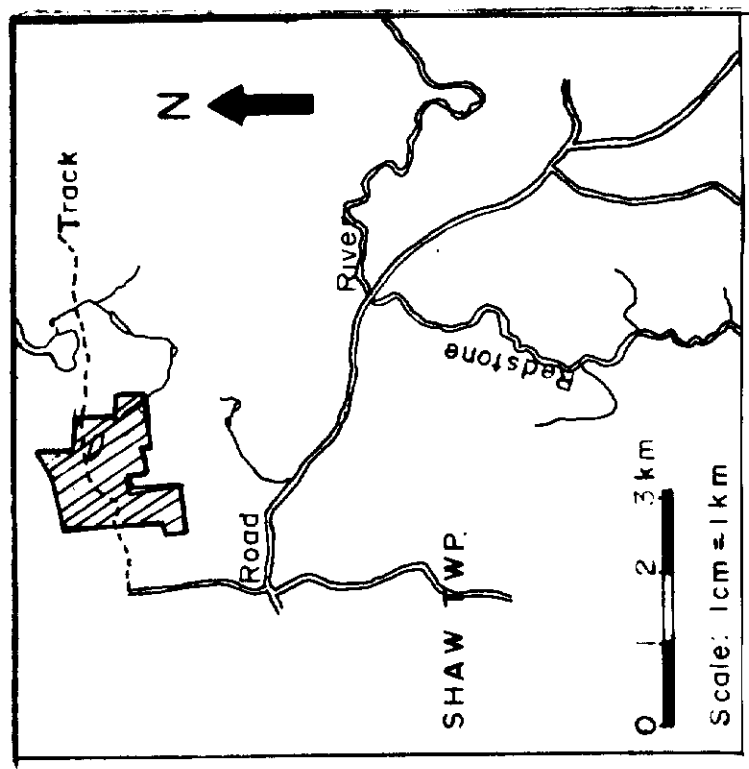
INDUCED POLARIZATION RESISTIVITY

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

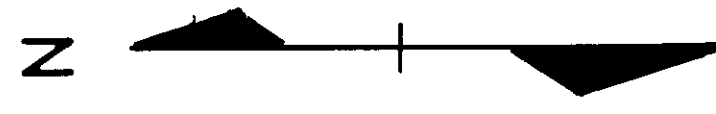
OM 46 - PE 42 - C - 80

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

SHAW TWP. D.D.R. #29  
Report of Work #90-81 ⇒ 3 drill holes, numbered SH-1-81,  
SH-2-81, SH-4-81



CLAIM LOCATION MAP



MAGNETIC SURVEY

SCINTREX MP-2

LEGEND

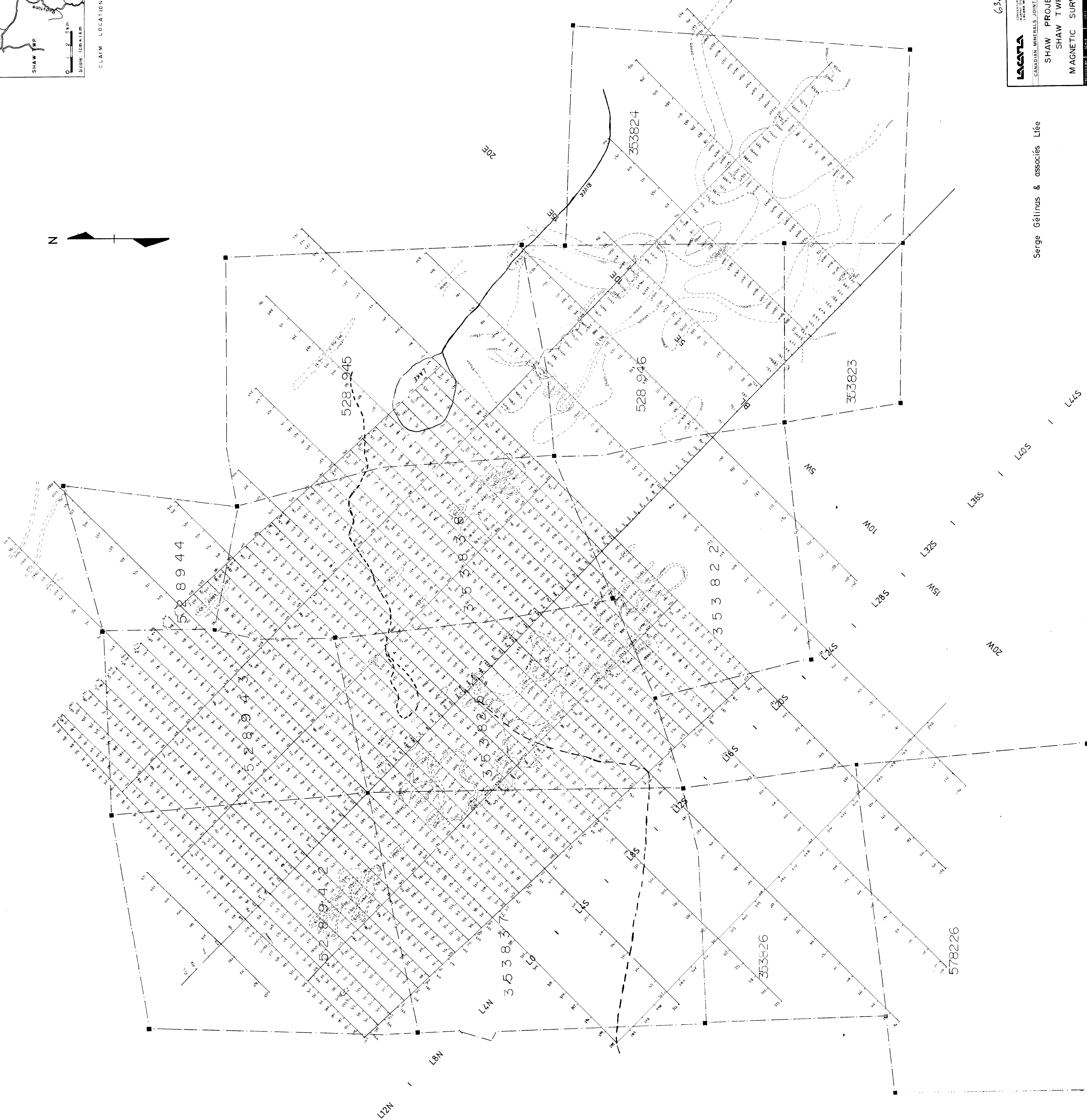
50001 GAMAIS  
50001 = 5174

INTERVALS

Claim Line and Claim Post  
ACCESS ROAD

BASE STATION AT EACH 100 FEET ON BL

SCALE



L20W | L24S | L28S | L32S | L36S | L40S | L44S | L48S | L52S | L56S | L60S | L64S | L68S | L72S | L76S | L80S | L84S | L88S | L92S | L96S | L100S | L104S | L108S | L112S | L116S | L120S | L124S | L128S | L132S | L136S | L140S | L144S | L148S | L152S | L156S | L160S | L164S | L168S | L172S | L176S | L180S | L184S | L188S | L192S | L196S | L200S

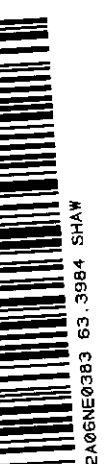
Serge Gélinas & associés Liée

63-3984

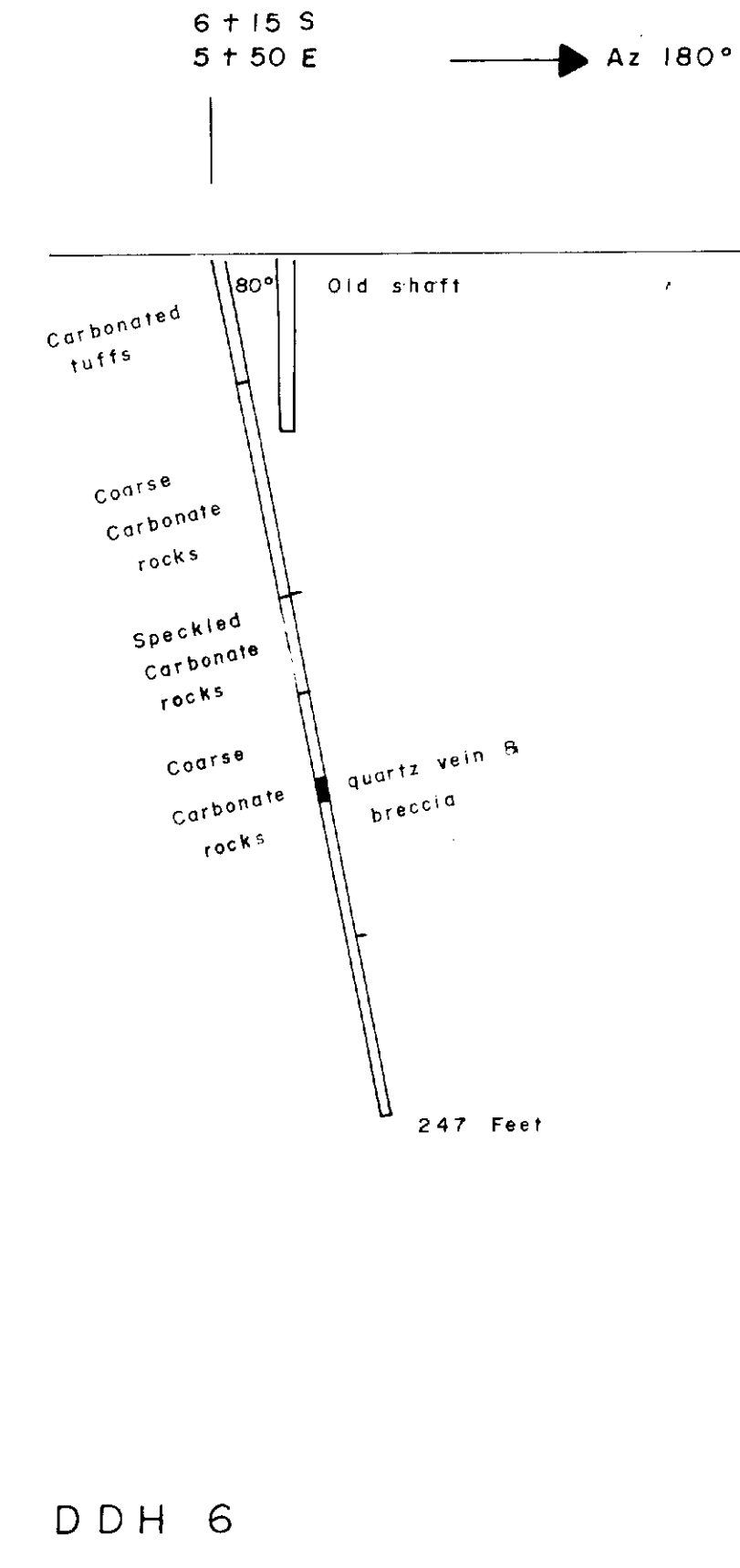
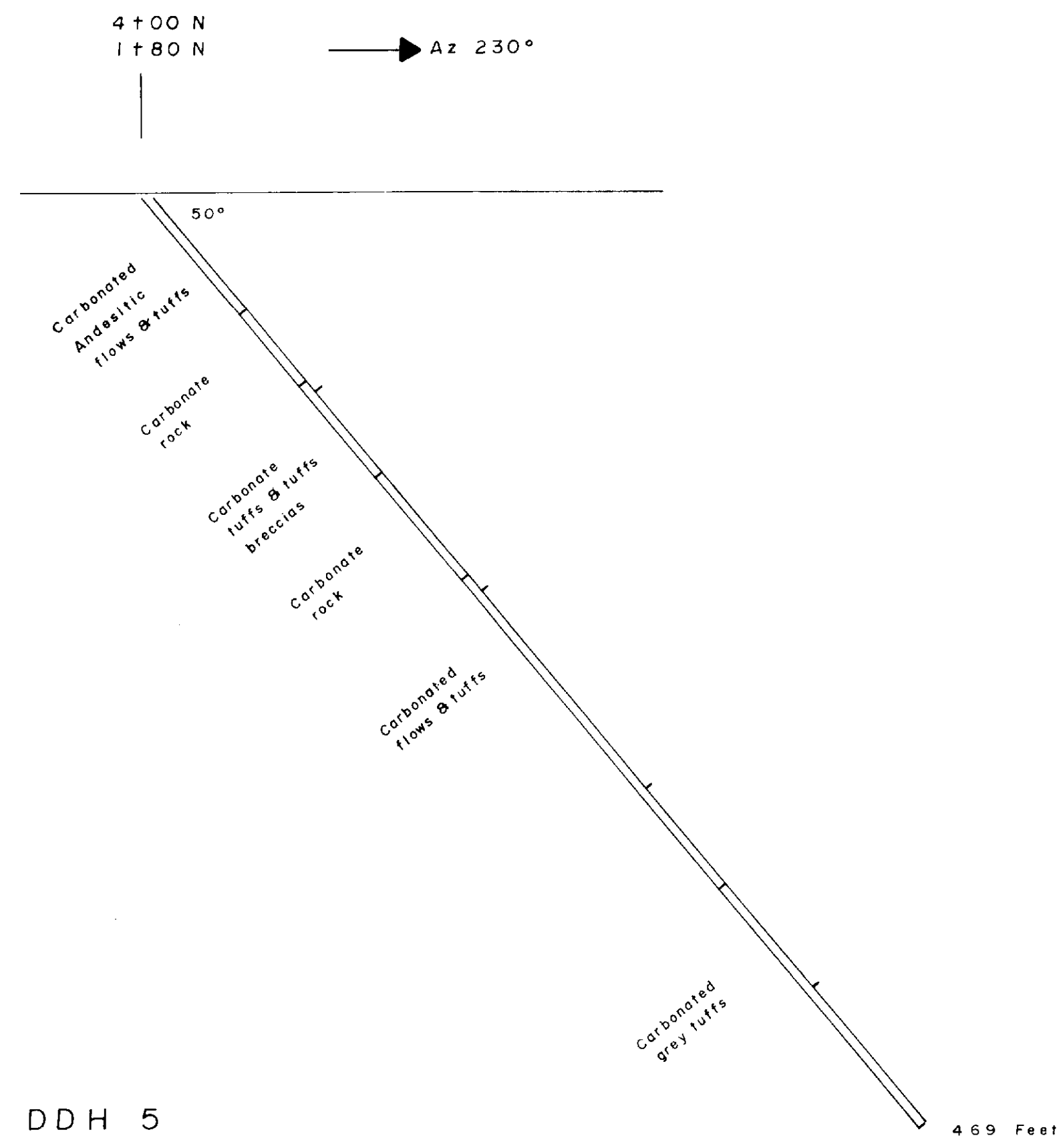
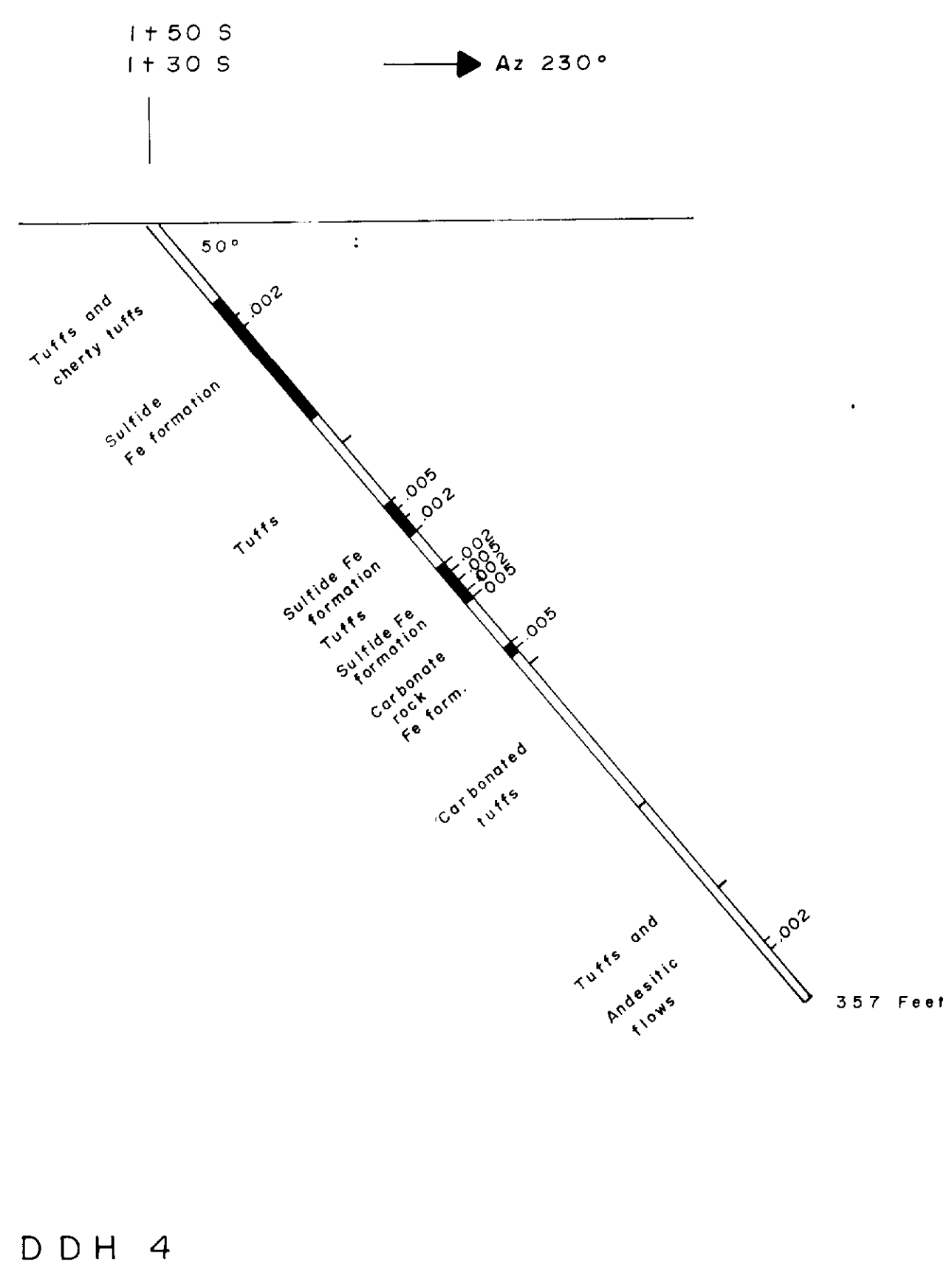
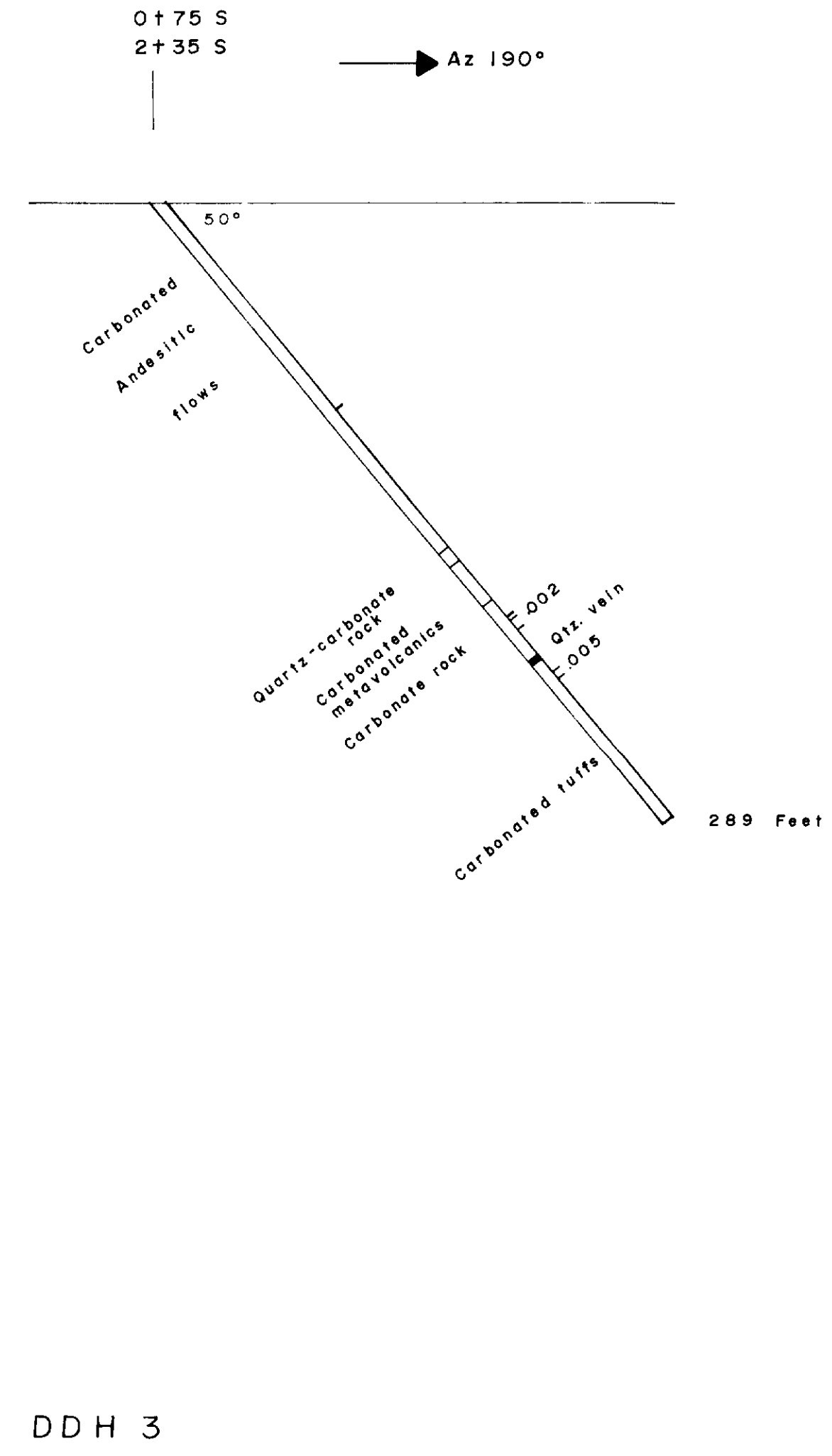
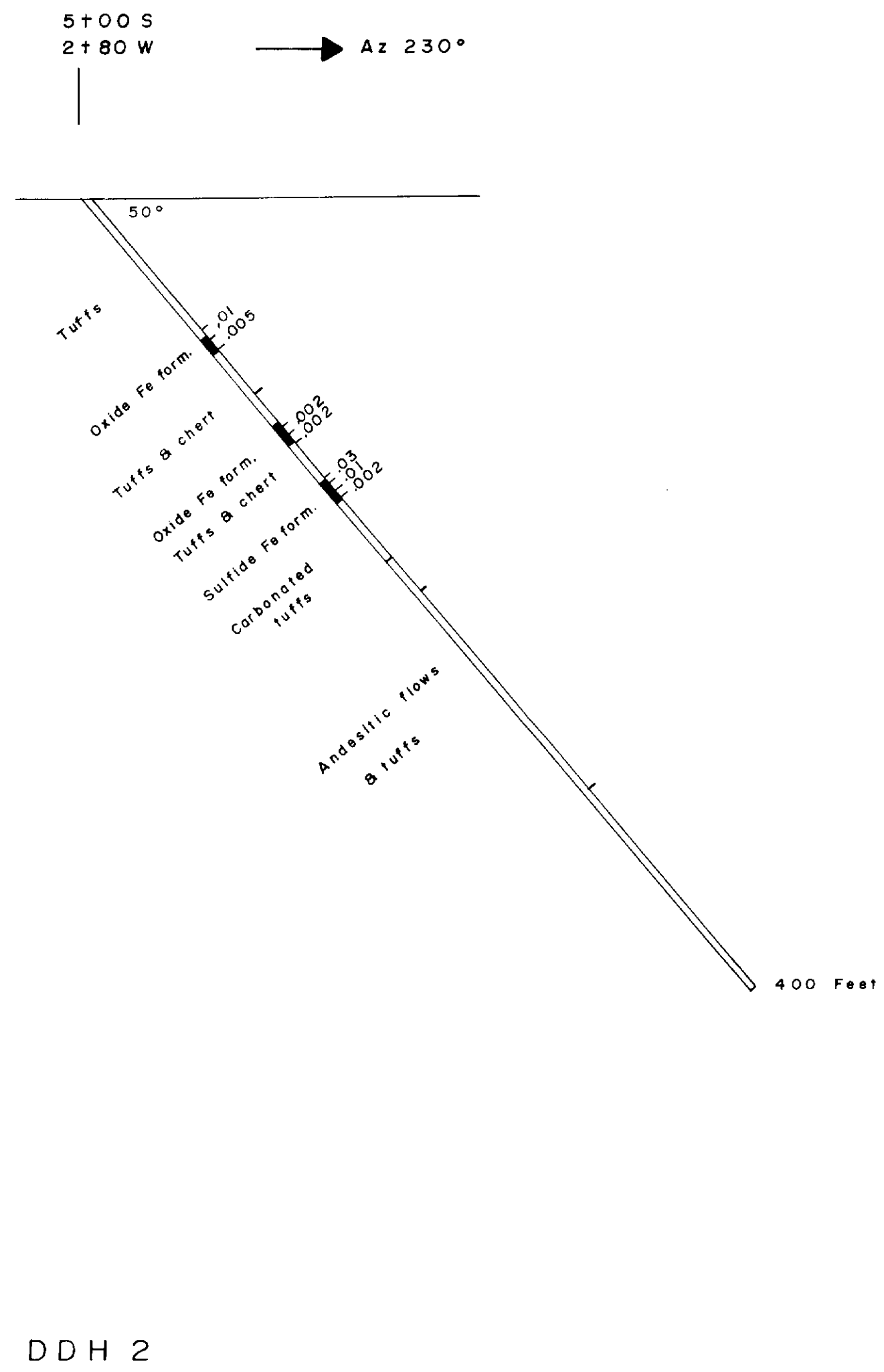
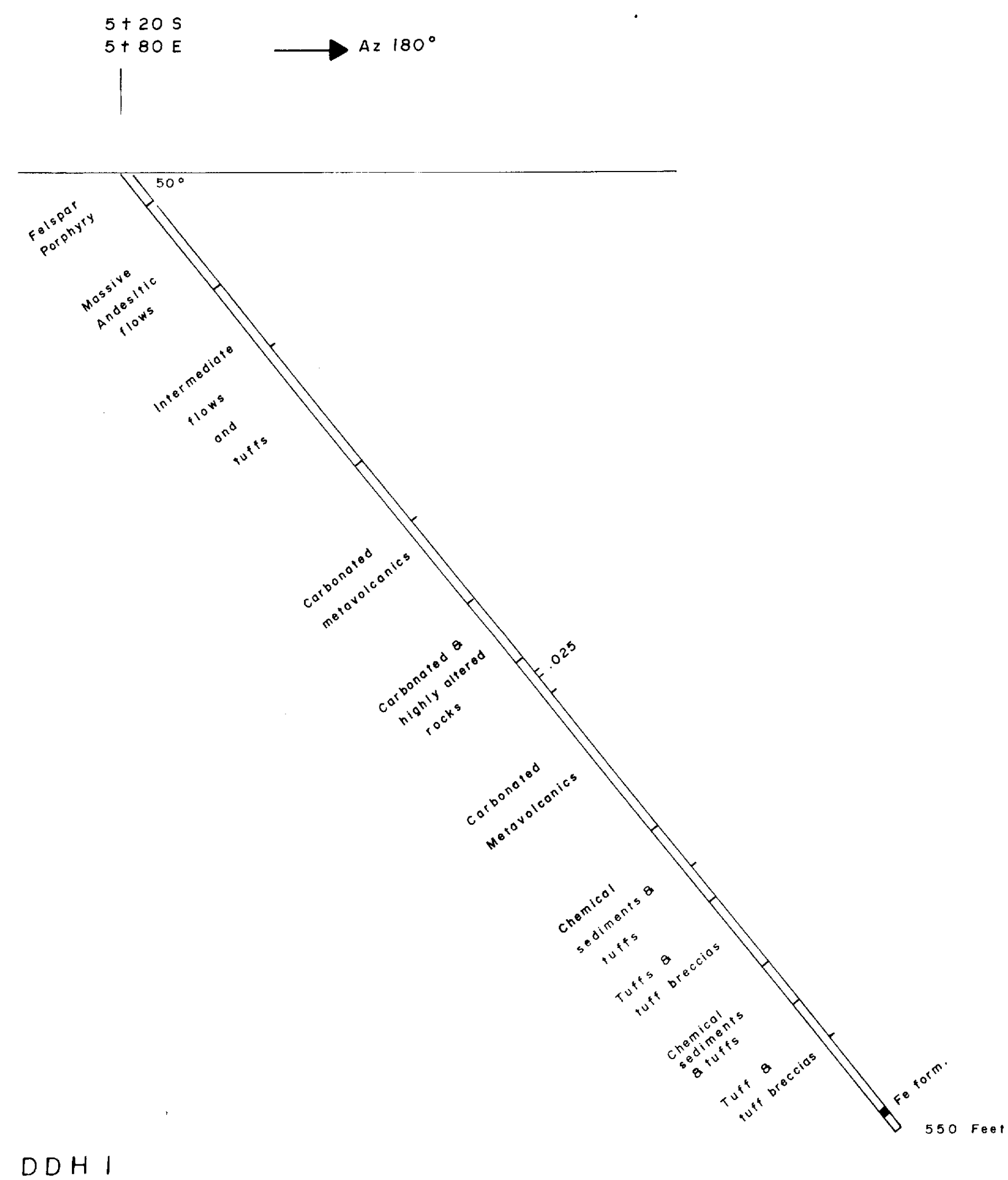
LACINA  
CANADIAN MINERALS JOINT VENTURE  
SHAW PROJECT  
SHAW TWP.  
MAGNETIC SURVEY

SCALE: 1:200  
R.W. | 4245N | 1

0047662-82  
2/19



200



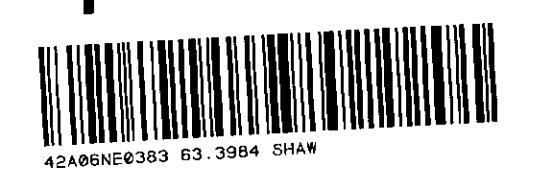
Scale: 1 inch = 50 feet vertical & horizontal

63-3984

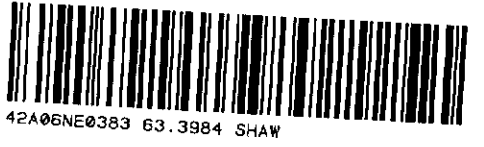
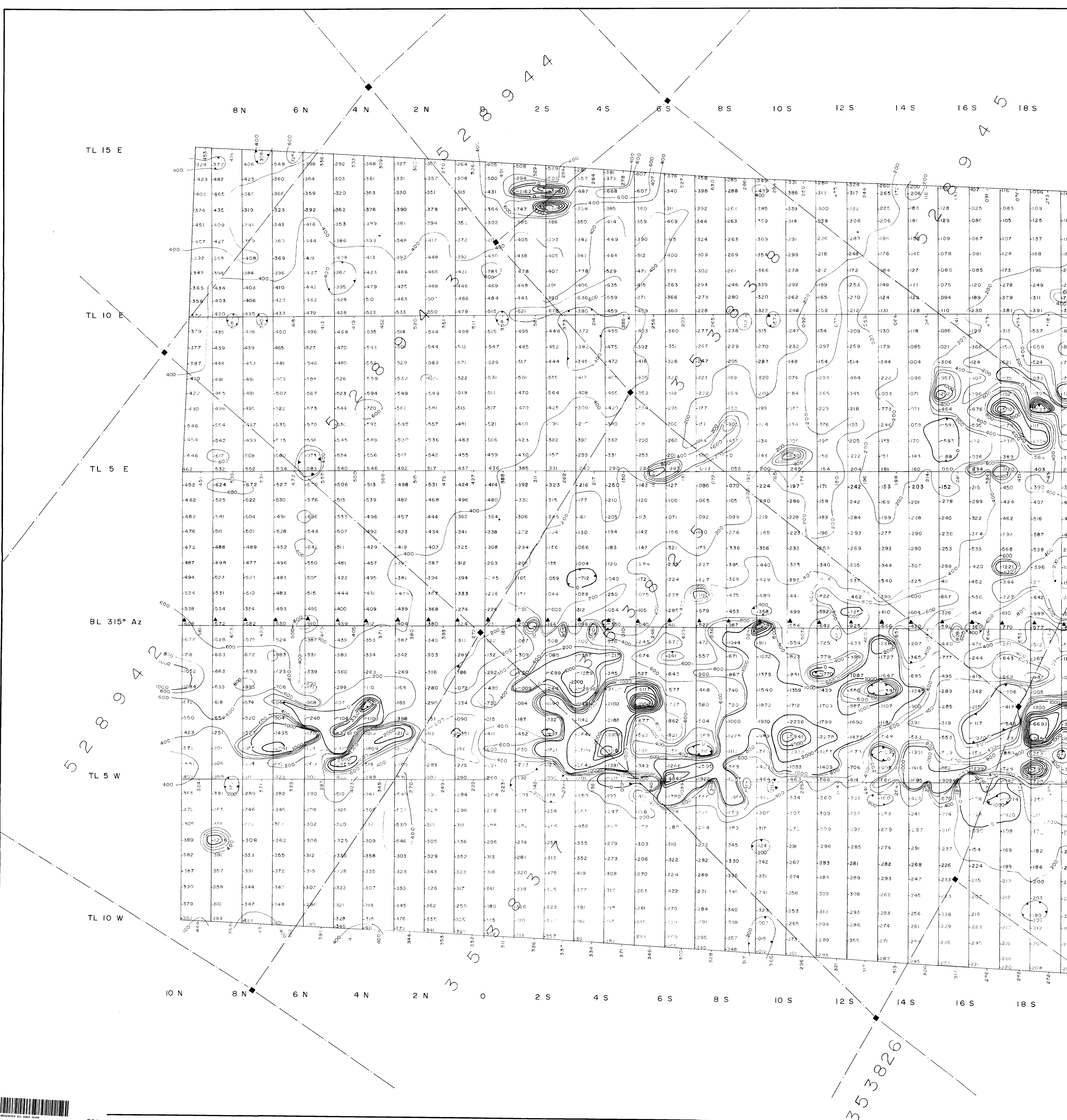
**LACANA**  
LACANA MINING CORPORATION

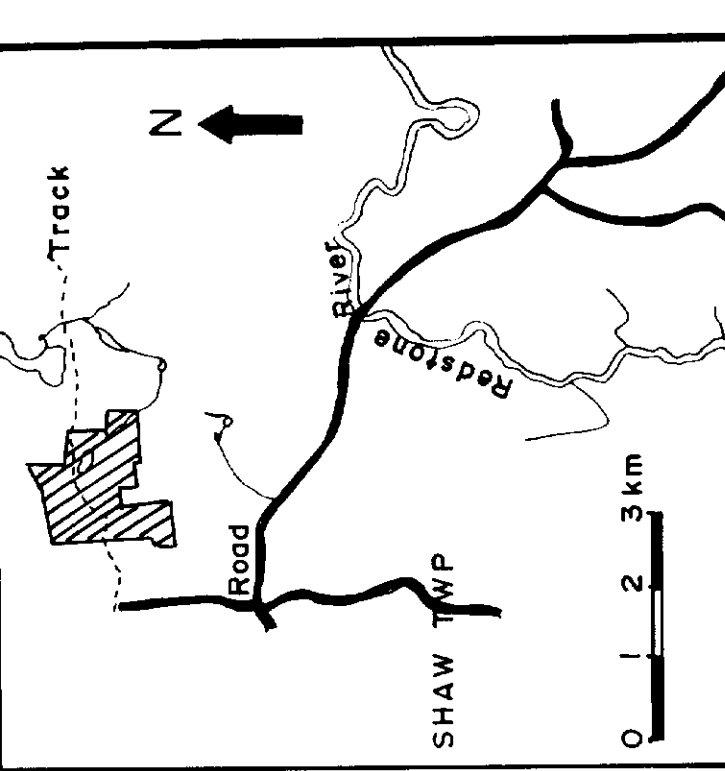
DRILL PROFILES 1981  
SHAW PROJECT  
SHAW TOWNSHIP

DATE	SHEET	OF	TOTAL	FIGURE









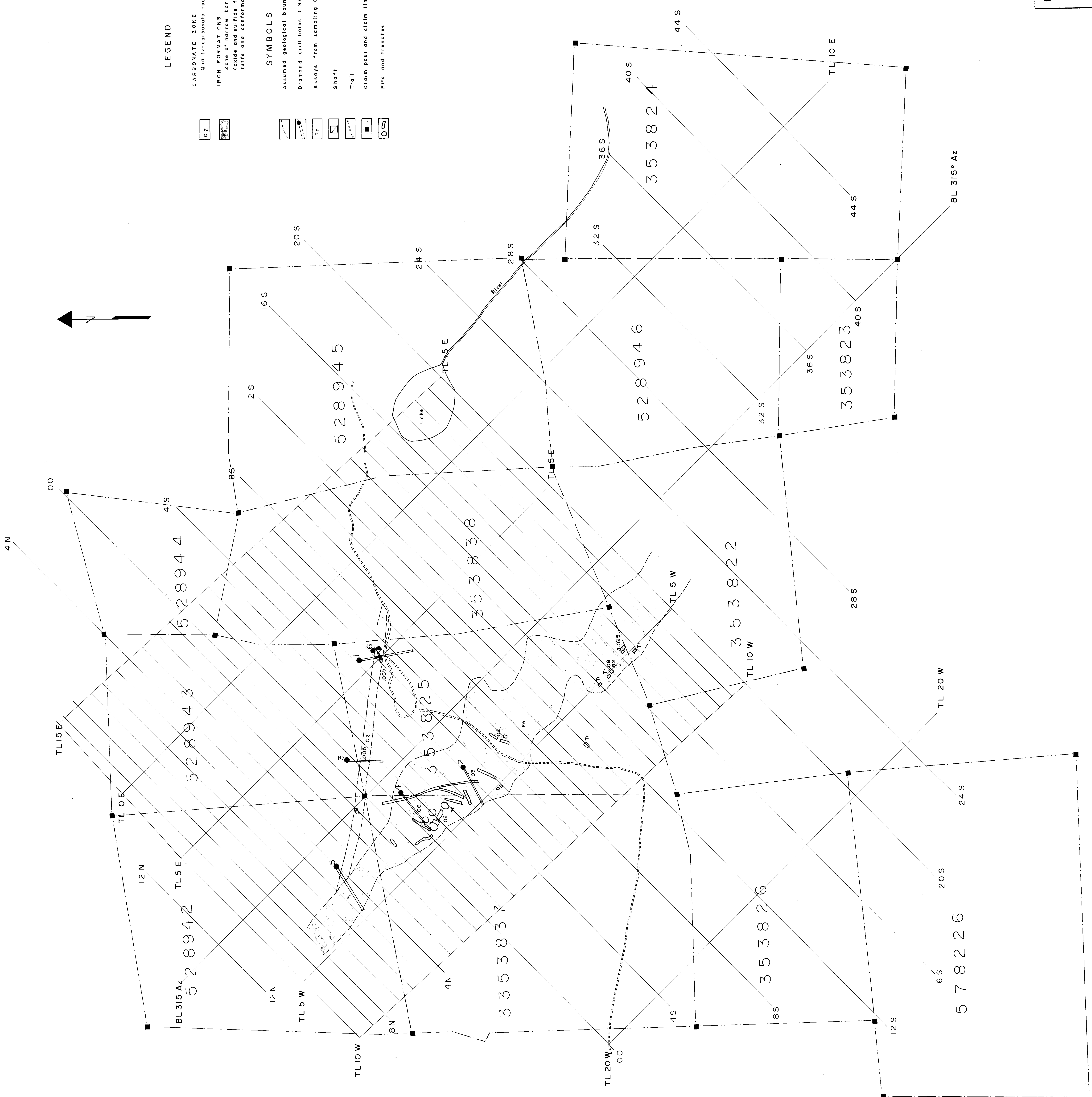
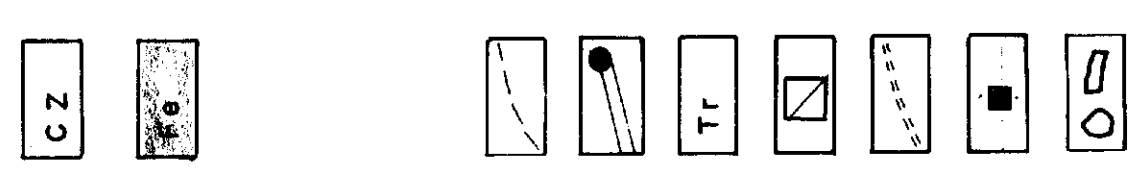
LEGEND

**CARBONATE ZONE**  
 Quartz-carbonate rock, fuchsitic in part

**IRON FORMATIONS**  
 Zone of narrow banded iron formation, (oxide and sulfide facies) with silicious tuffs and conformable carbonate zones.

SYMBOLS

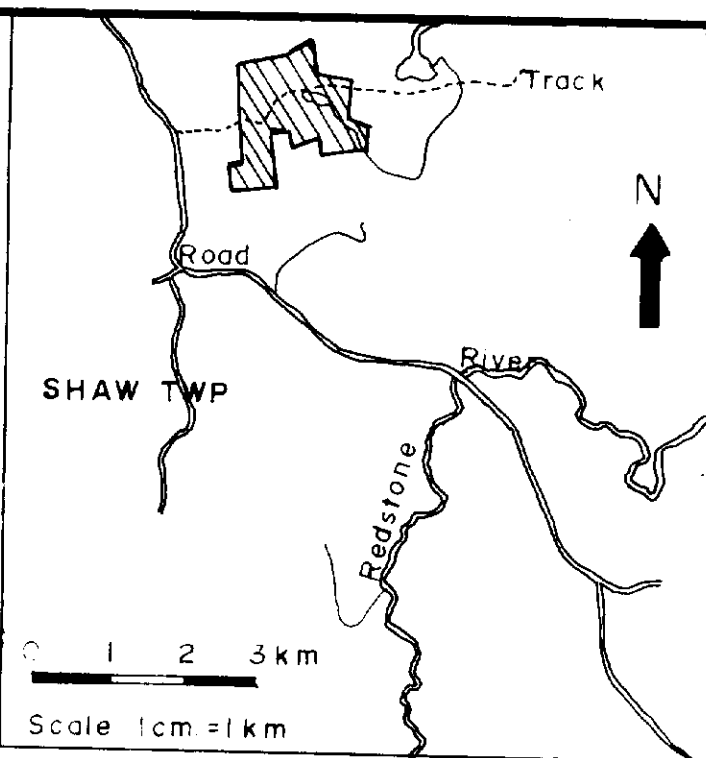
- Assumed geological boundary
- Diamond drill holes (1981)
- Assays from sampling (1981)
- Shaft
- Trail
- Claim post and claim lines
- Pits and trenches



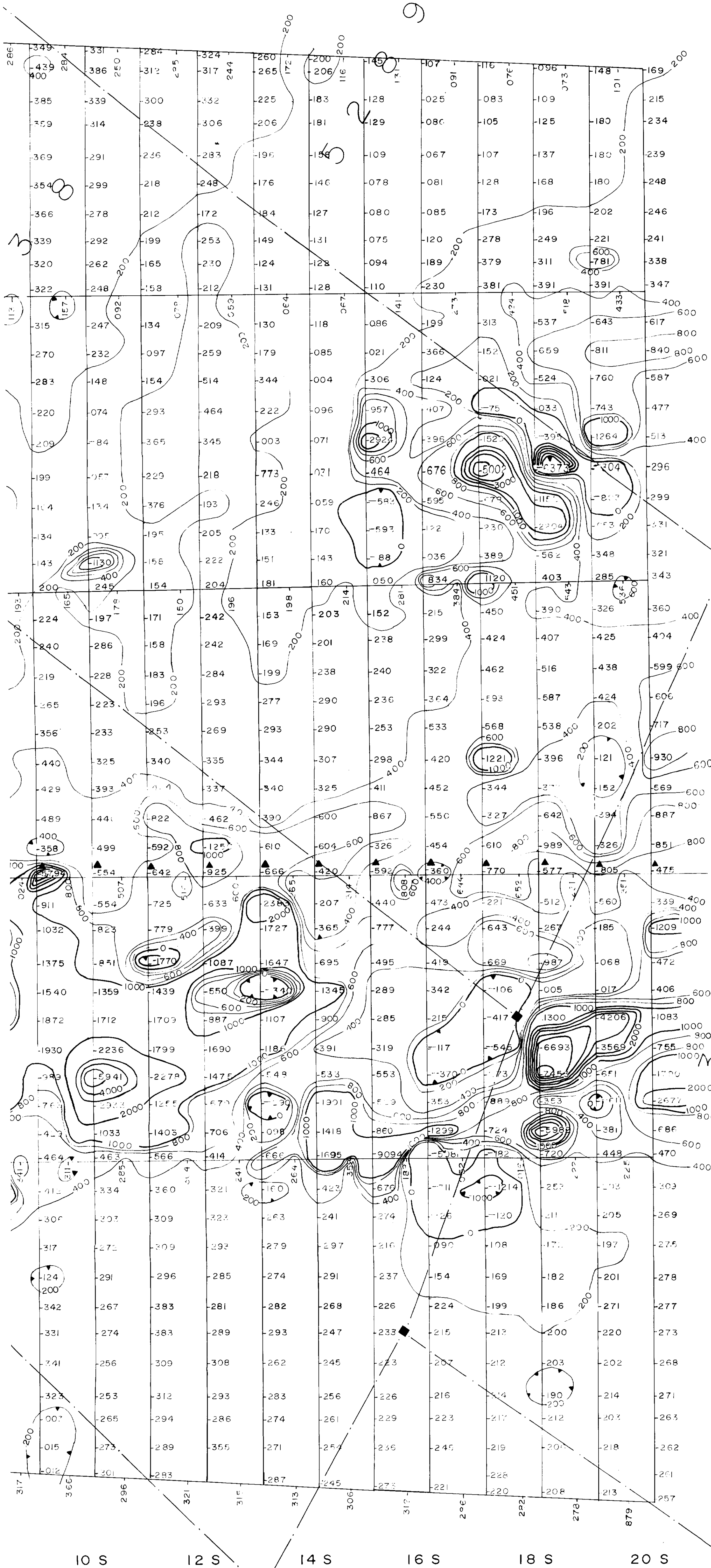
63-3984



10 S 12 S 14 S 16 S 18 S 20 S



CLAIM LOCATION MAP



TL 15 E

TL 10 E

TL 5 E

BL 315° Az

TL 5 W

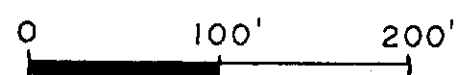
TL 10 W

**GEOPHYSICAL LEGEND**

Instrument SCINTREX MP-2 PROTON  
MAGNETOMETER  
Accuracy 5 gammas  
Operators Serge Gélins & associés Ltée  
Date March 1981

**PLOTTING CONVENTION**

- Magnetic contour at 1000 gamma intervals
  - Magnetic contour at 200 gamma intervals
  - Base station (400' along base line)
  - Claim post
  - Claim line.
- 59 000 gammas = 0



63.3984

<b>LACANA</b>		CONVENTURES LIMITED MURPHY OIL COMPANY LTD. LACANA MINING CORPORATION	
CANADIAN MINERALS JOINT VENTURE			
<b>SHAW PROJECT</b>			
SHAW TWP.			
MAGNETIC SURVEY			
PREPARED BY	SCALE	DATE	N.T.S.
R.W.	1"=100'	May/81	42 A/SW 2