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12/84

ACQUALIN RESOURCES LTD.

GEOLOGICAL - GEOPHYSICAL - GEOCHEMICAL
DIAMOND DRILLING
ASSESSMENT REPORT
of the
NICOLA LAKE MINERAL CLAIMS GROUP
BRITISH COLUMBIA
1 November 1983

Latitude: 50°10' North

Longitude: 120°35' West

Geophysical Survey:

Field: Wm. Chang, M.Sc., McGill University
Office: William J. Weymark, P.Eng.

Geochemical Survey:

Field: Wm. Chang, MSc, McGill
Office: William J. Weymark, P.Eng.

Geological Survey:

Field &
Office: William J. Weymark, P.Eng.

Diamond Drilling:

H. Allen Drilling, Merritt

Chemical Analysis:

Kamloops Research Labs,
Kamloops, B.C.
Chemex Labs Ltd., North
Vancouver, B.C.
Bondor Clegg, North
Vancouver, B.C.

Weymark Engineering Ltd.
1063 Balfour Avenue
Vancouver, B.C.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

(604) 736-6812

12,137

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GEOLOGICAL - GEOPHYSICAL - GEOCHEMICAL

DIAMOND DRILLING ASSESSMENT REPORT
of the
NICOLA LAKE MINERAL CLAIMS GROUP
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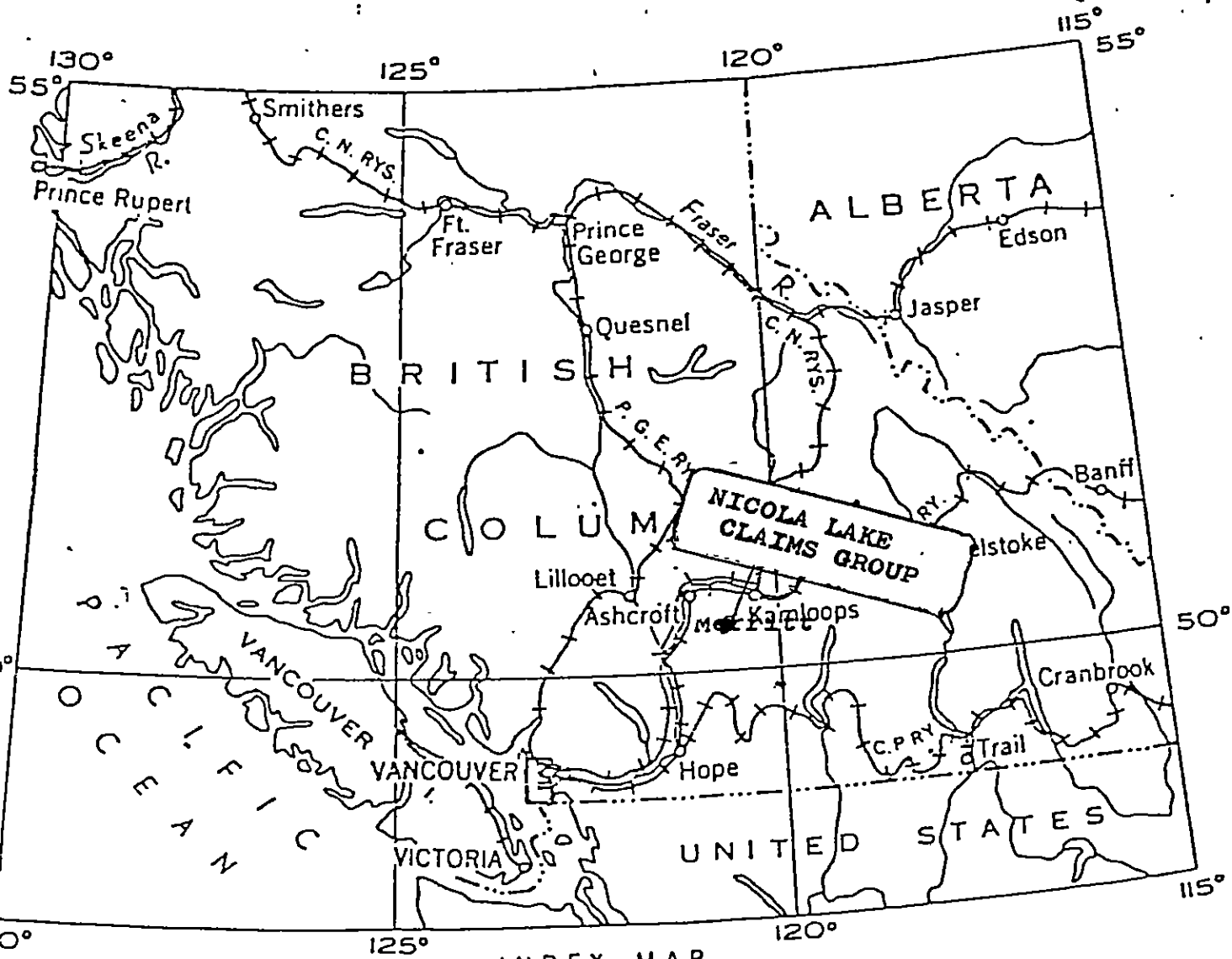
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INDEX MAP
 LOCATION
 NICOLA LAKE GROUP
 NICOLA MINING DIVISION
BRITISH COLUMBIA

WEYMARK ENGINEERING LTD.

Consulting Engineers

3310 WESTMOUNT ROAD
WEST VANCOUVER, B.C.
CANADA

TELEPHONE
922-1536

November 1, 1983

Acqualin Resources Ltd.
1945 - 650 West Georgia Street
Vancouver, British Columbia

Gentlemen:

Re: Assessment Report
Geological-Geophysical-Geochemical
Diamond Drilling Surveys
Nicola Lake Mineral Claims Group
Nicola Mining Division
British Columbia

We are pleased to submit for your information, this Assessment Report detailing the scope and results of the Geological-Geophysical-Geochemical-Diamond Drilling Surveys conducted on the Nicola Lake Mineral Claims, - July-September 1983.

The purpose of this Assessment Report is to record the scope and results of the Geological-Geophysical-Geochemical - Diamond Drilling Surveys carried out on the claims for Assessment Work Requirements of the Department of Mines, Province of British Columbia.

1.0 PROPERTY

The Nicola Lake Mineral claims consist of 37 units of located mineral claims viz: -

	<u>Units</u>	<u>Record Number</u>	<u>Date</u>
GC-1	4	75 (2)	24 February
GC-2	2	298 (8)	4 August
GC-3	2	299 (8)	4 August
GC-4	8	300 (8)	4 August
GC-5	8	1,200 (11)	18 November
GC-6	4	1,300 (11)	4 November
Cerno-1	9	1,213 (12)	14 December

The Reference Mineral Claim Map is 92/I2E of the B.C. Department of Mines. The Geographical Reference is 120°35' West Longitude and 50°10' North Latitude - Figure 2

2.0 ACCESS AND LOCATION

The claims are readily accessible by Automobile from Merritt via paved Highway No. 5 - Merritt-Nicola-Kamloops with turnoff at Nicola to the Monk Provincial Park - Figure 3. The northern sections of the claims are reached via logging and local ranching roads following Clapperton Creek and terminating on the Turlight Mine Property.

The claims are located in the Nicola Mining Division with Recording Office in Merritt and the Kamloops Land Registry District with Registry in Kamloops. They are situated about 10 miles north easterly from Merritt and front on Nicola Lake.

3.0 CLIMATE

Climatic conditions in the claims areas are designated Central Interior with dry summers and cold winters. Precipitation averages about 12 inches per year with some 24 inches of snowfall. Work may be carried out on the claims area year-round except in fire and heavy-snowfall periods.

4.0 PHYSIOGRAPHY

The relief of the claims area is generally rugged.

Elevations range from 2045 feet above sea level of Nicola Lake to over 4000 feet along the Northern boundaries of the Claims. See Figure 3. The main drainage is the Nicola Lake - River system which flows into the Fraser River Drainage Basin. On the Claims area, Clapperton Creek provides the main tributary. The area has been extensively logged and second and third growth deciduous and coniferous timber covers the claims. There are numerous rock outcrops and depth of top soil and glacial till ranges to ten or more feet. Rights to the use of timber and water resources have to be obtained from the Government.

5.0 DESCRIPTION

Historical reference to the claims area is scanty. In the 1930's; mining exploration activities involved the driving of adits on Copper-Gold-Silver veins - Figure 5 and general prospecting - See B.C. Minister of Mines Reports for 1937 and Bulletin 10 1941, when portions of the claims area were controlled by Nicola Mines and Metal Ltd. Crown Granted Mineral Claim No: L4841 presently held by Danstar, was developed as the Turlight Mine for Copper-Gold-Silver. For the past ten years or so George Cressy of Merritt has owned, in varying numbers, the Claims area. Works programmes included - Geophysical-Geological - Geochemical surveys, some percussion drilling and a BQ diamond drill Hole as well as general prospecting. The location of these workings is shown on Figure 6. The general area has been subject to many phases of mining - exploration activity throughout the years, related to the Craigmont and the Highland Valley Mines.

Workings by Cressy to - date have involved expenditures of over \$15,000, resulting in the location of anomalous Magnetic - Electro-Magnetic zones and copper carrying veins.

6.0 RESOURCES

There is an abundance of resources needed for mining exploration-development and operation within the claims area. These include power supply, water, timber and construction materials. There is mining labour and ready access to equipment and materials in the Merritt-Kamloops-Highland Valley communities. Support facilities are in Vancouver. Adequate accommodation for labour is in the area, obviating the need for camps. All forms of communication is available, including rail, road and air transport as well as telephone facilities.

7.0 GEOLOGY

The main geological reference is Memoir 249, Geological Survey of Canada, Geology and Mineral Deposits of Nicola Map-Area, British Columbia by W.E. Cockfield, 1961. See Figure 4. Other references are included in the Annual Reports of the B.C. Department of Mines.

Apart from the undifferentiated rocks, designated as "A" (Fig. 4) consisting of Chlorite Schist, Quartz-Mica Schist, Amphibolite and Granitic intrusions, commonly gneissic and of Palaeozoic age underlying the Cervo-1 claims, the predominant formations are Upper Triassic Nicola groups, the Jurassic Intermediate to basic intrusives and the Palaeozoic Schists and Intrusives.

Structurally the area has been subjected to considerable faulting, shearing and fracturing. The trends of these vary from Northwesterly to North and Northeasterly. Dips are generally to the East. Accompanying these structural movements there has been considerable injection of quartz, carbonaceous and related materials, including metallic mineralization of

sulphides, - Iron, Copper, Gold, Silver, Tungsten, Mercury and Molybdenum. See Figure 4.

Several mineral zones - veins have been discovered on the Claims Area, but sufficient work has not been done to determine their extent and commercial significance.

Detailed geological mapping is required.

CLAIMS GEOLOGY, GC-4; 300 (8)

Mapping within the Grid A Area was carried out during the period as shown on Figures 5A. The dominant formation is a foliated Granodiorite, extending Northwesterly on to the Danstar (Turlight) property. In places, this rock is porphyritic, indicative of zoning or dyke intrusion. There is evidence of considerable shearing which strikes Northwesterly. There are several quartz stringers, some of which are mineralized with pyrite - chalcopyrite and secondary minerals of azurite, malachite and bornite.

Most of the claim area is overburden and timber covered. Outcroppings are few.

Further mapping is required, using bulldozers for trenching and diamond drilling.

Two diamond drill holes 83-1 and 83-2 were drilled in this programme. The locations are shown on Figure 5A and 6. The logs and assay certificates are Annex C and D. No metallic mineralization zones of commercial significance were intersected.

CLAIMS GEOLOGY, CERNO-1 (1213(2))

Figure 5B portrays the sections of CERNO-1 (1213(2))

mapped.

Bedrock formations on these claims consist of highly metamorphosed sheared Chloritic Schists-Meta Sediments and volcanics. Interbedded in the foliations are carbonates and siliceous veinlets. Strikes are to the North-west and dips are Northerly.

Three adits have been driven in these zones - the main one being 66 feet in length with a crosscut on a branch, cross vein complex. Figure 6.

Mineralization consists of Chalcopyrite-Malachite-Azurite Bornite-Pyrite and Calcite Quartz. Assays ranged to 0.456 ounces of Gold with values in Silver and Copper.

Further detailed mapping is required.

One diamond drill hole - 83-3 was drilled to 350 feet in this area to undercut the adit vein - but was uncompleted due to blockages. See Annex E and Figure 6.

8.0 GEOPHYSICAL SURVEYS

Two Geophysical Surveys were conducted over the A, B, and D areas shown on Figure 6. These included Electro-Magnetic (EM), - See Annex A, and Magnetometer, - See Annex B, Surveys.

(a) EM Survey

For the EM Survey a Scintrex Model 707011 (SE-80) Serial Number 101023, instrument was used, See Annex A. Base Station Reference was Jim Creek, Washington, U.S.A. at approximately 48N12, 121 W55. Four areas were tested, as shown on Figure 6

designated as Areas A, B & C and D. Readings were taken at 100 meter centers - See Figs. 7-8 for area A; Figs. 9-10 for areas B-C and Figs. 11-12 for area D, respectively. The interpreted results for each of the areas is recorded on those Figures 16, 17 and 18 for coincidence anomalous zones.

(1) Magnetometer Survey

For the Magnetometer Survey a Scintrex Fluxgate Magnetometer, Model No. 753011 (MF-2) Serial No. 7905203 was used - See Annex B.

Readings were taken on grid points 100 meters apart in the areas. See Figures 13, 14 and 15, respectively. Coincident anomalous zones are indicated on Figures 16, 17 and 18.

RESULTS

The interpreted composite anomalous zones are composed on Figures 16, 17 and 18 for the EM and Magnetometer Surveys.

9.0 GEOCHEMICAL SURVEY

Soil samples were taken at the grid points for area A, at 100 meter intervals, See Figure 6.

These were taken at the B subsoil level and Geochemically assayed for Copper and Gold. The results are shown on Figure 19 and the assay results are given on Annex F.

Arithmetic average is 13 ppm Cu and Gold 9 ppb. Threshold is taken at 25 ppm Cu and 18 ppb Gold. Significant variation is shown in S350E - 400E OS and S650E - 250W and considered to be anomalous Copper. Significant gold containing zones are S600 100 N; S650 150S; S650E OS; 700 E 300S.

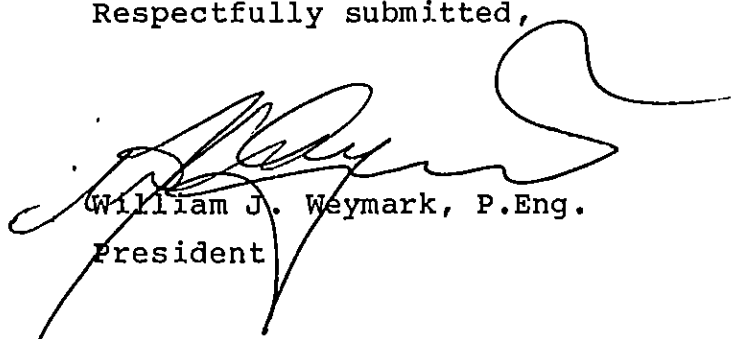
Figure 20 portrays the coincidence of the Geophysical and Geochemical anomalous zones.

10.0 CONCLUSIONS AND RECOMMENDATIONS

Although no significant Gold mineral zones were revealed in the diamond drilling in the zones intersected, the Geological Formations, - structurally and lithologically are similar to those obtaining in the Merritt area where commercial metallic mineralized zones have been exploited. Further detailed geological mapping is required.

Geophysical and Geochemical features of tested areas on the claims have shown Geophysical anomalous zones and Geochemically in Copper and Gold - some of which are coincident and possible target areas for more detailed surveys.

Respectfully submitted,



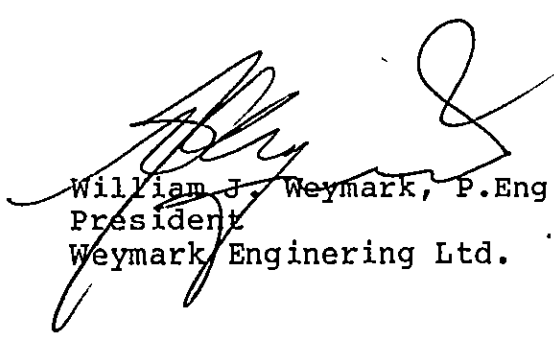
William J. Weymark, P.Eng.
President

CERTIFICATE

I, William J. Weymark, P.Eng., Consulting Engineer, President of Weymark Engineering Ltd., of the District of West Vancouver, of the Province of British Columbia, hereby certify that:

1. I am a graduate of Mining Engineering of Queen's University Kingston, Ontario, B.Sc. 1940 and have been practising my profession for thirty-five years.
2. I am a member of the Association of Professional Engineers of the Province of British Columbia, the Consulting Engineers Division of the Association of Professional Engineers of British Columbia and the Association of Consulting Engineers of Canada.
3. I am a practising Consulting Engineer and reside at 3310 Westmount Road, West Vancouver, British Columbia.
4. I am a member of the Canadian Institute of Mining and Metallurgy and of the American Institute of Mining, Metallurgical and Petroleum Engineers and of the American Geophysical Union.
5. I have no direct or indirect interest whatsoever in Aqualin Resources Ltd. or in Nicola Lake Claim Group, nor do I expect any interest, direct or indirect in this organization or property or any affiliate or any security of the Company.
6. The findings of the accompanying report are based on my personal examination of Nicola lake Claims Group in August, 1982 and July-August-September 1983 and review of the available information relating to the Claims Area and the preparation of this Report.

DATED at West Vancouver, British Columbia this 1st day of November, 1983.


William J. Weymark, P.Eng.
President
Weymark Engineering Ltd.

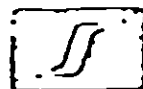
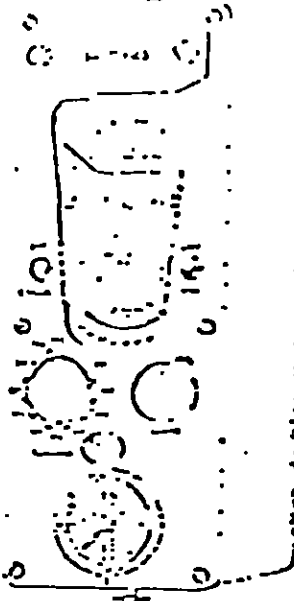
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APPENDICES

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SCINTREX

SCOPAS[®]

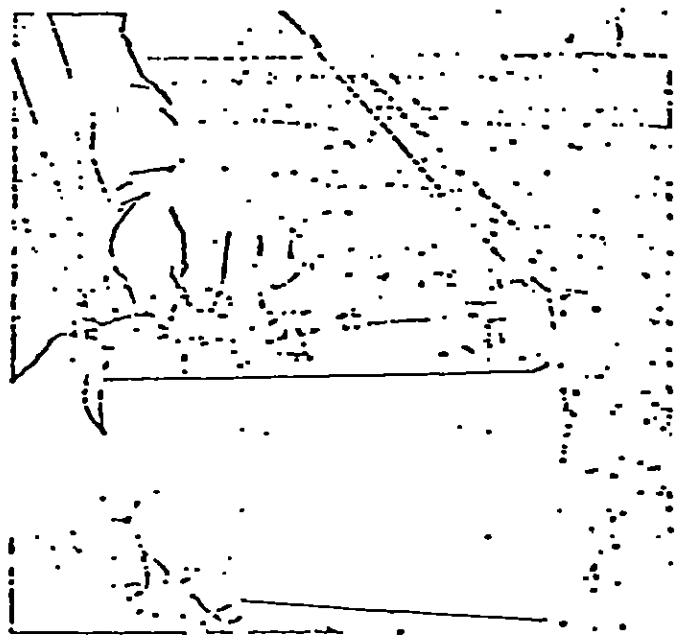
VLF
SEARCH
SYSTEM

The SCOPAS[®] VLF System employs V.L.F. Radio Stations in the 15 to 25 kHz Range as primary field sources. The undisturbed field from these remote sources is essentially horizontal and of relatively constant strength. When conductors are present, the geometry and amplitude of the field are locally distorted and polarization of the field may occur.

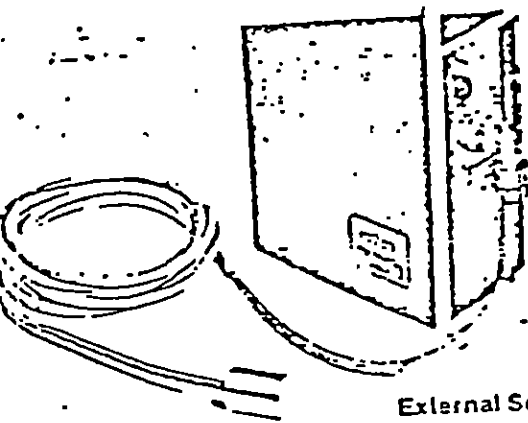
With the versatile SCOPAS[®] unit, all amplitudes and geometric parameters as well as the characteristics of the polarization ellipse can be measured.

For fast reconnaissance surveys dip-angle and field directions can be rapidly determined. For detailed surveys, ampli-

tude relations and the elliptical polarization in the horizontal and vertical planes can be determined as well. Thus, the operator can select the parameters most useful for his search problem.



Accessories for the M700 Magnetometer



External Sensing Head

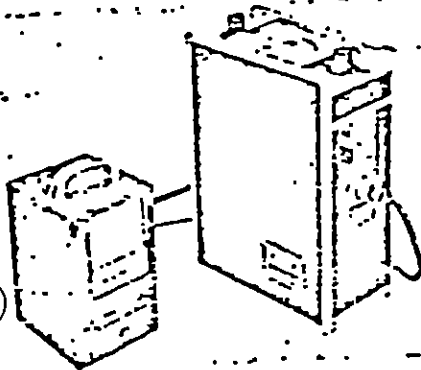
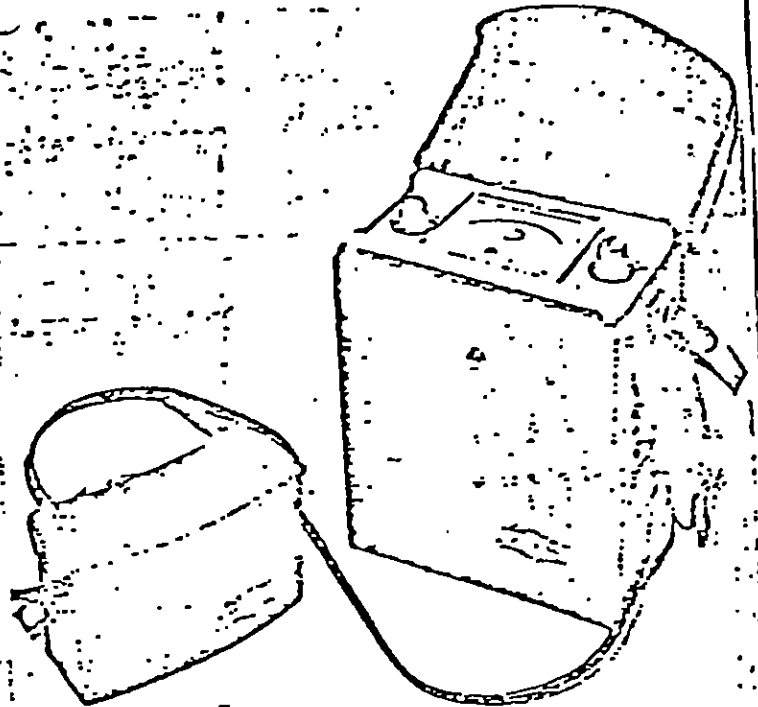


Chart Recorder



External Battery Pack

de accessory socket
ows use of:

ternal battery pack

art recorder

ternal sensing head

orizontal sensing head

Accessory socket is located in the side panel of the M700 along with the latitude adjustment control and accessory switch. It allows the use of various pieces of equipment that extend the range of this instrument.

External Battery Pack For below freezing operation the internal batteries are removed and the external battery pack used. It is carried under the operator's clothing to prevent battery freezing. An alternate external-battery pack is available consisting of 12 "C" size flashlight batteries.

Chart Recorder For long term base station monitoring an external heavy duty battery pack and chart recorder can be attached to the M700. Any current type recorder with a sensitivity of one milliamperes for full scale deflection or any potential type recorder with a sensitivity of one volt for full scale deflection can be used with the magnetometer.

External Sensing Head An external sensing head can be used on the M700 without modification to the instrument. The sensing head plugs into the accessory socket.

McPhar Geophysics Instrument Sales Offices

Geophysics Ltd.
123 Bond Street, Don Mills, Ontario
Tel: (416) 449-5551

811 - 837 W. Hastings Street, Vancouver, B.C.
Tel: (604) 625-3513

Singapore
McPhar (As a) Pte Ltd.
51 Kallang Place, Singapore 12

Australia
McPhar Geophysics Pty. Ltd.
50 Mary Street, Unley 506, S. Australia
Tel: 72-2133

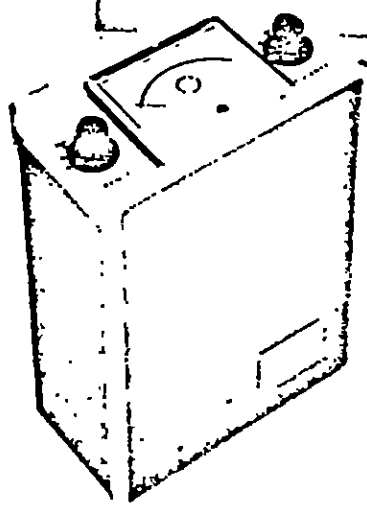
25 Nicholson Road, Subiaco, W.A. 6008
Tel: 641-4955

63 Alexander Street, Manly 2035, N.S.W.
Tel: 577-4192

United States
McPhar Geophysics Inc.
818 W. Miracle Mile, Tucson, Arizona 85705
Tel: (602) 624-2125

Philippines
McPhar Geoservices (Philippines) Inc.
P.O. Box 2279, Manila
Tel: 50-53-06

INSTRUCTION MANUAL



**M700
MAGNETOMETER**

SECTION 2

SPECIFICATIONS

2-1 MAXIMUM SENSITIVITY

20 gammas per scale division on 1,000 gamma range.

Repeatability is 1/4 scale division or 5 gammas.

2-2 MAXIMUM MEASUREMENT

Zero to $\pm 100,000$ gammas in five ranges.

Range Switch Position	Full Scale In Gammas	Gammas Per Scale Division
1K	1,000	20 black scale
3K	3,000	50 red scale
10K	10,000	200 black scale
30K	30,000	500 red scale
100K	100,000	2,000 black scale

2-3 MEASUREMENT POLARITY

The above ranges can be reversed in polarity as a simple function of the Polarity switch.

2-4 LATITUDE ADJUSTMENT

The latitude adjustment permits cancelling the earth's field up to a magnitude of $\pm 100,000$ gammas. The adjustment control is a ten revolution precision potentiometer located under the sliding side panel. A positive type locking lever on the control removes the hazard of accidentally dislodging the setting.

2-5 SELF-LEVELLING SENSING HEAD

The unique self-levelling sensing head of this magnetometer is inserted as a plug-in unit. It is easily detached so that the same magnetometer can be used with other types of sensing heads such as the airborne gyro stabilized head etc.

It is recommended that the instrument be re-calibrated at our servicing depot, each time the sensing head is changed.

2-6 ORIENTATION ERROR

The orientation error is set at the factory to 25 gammas or less in the presence of a 15,000 gamma horizontal field. It is poss-

ible to adjust the orientation error and the procedure is explained in the section 9-2 under Maintenance.

2-7 TEMPERATURE STABILITY

Over the temperature range of -35 to $+55$ degrees centigrade the temperature drift is limited to less than 50 gammas. See section 4-6 on Minimizing Temperature Drift.

2-8 BATTERY SUPPLY

The M700 Magnetometer is powered by two internally mounted 9 volt batteries. Any pair of the following batteries may be used.

Eveready No. 276
Mallory No. M1603
Burgess No. D6
R. C. A. No. VS306

For sub-zero operation the batteries may be transferred to an external battery case and carried under clothing to keep them from freezing. See section 6, Operation with External Batteries.

Two types of external battery cases are available see accessory list, section 11. One type is for the above batteries. Another type of case will accommodate the equivalent in flashlight cells for use in countries where the normal batteries are difficult to obtain.

2-9 ACCESSORY RECEPTACLE

A Cannon receptacle is located on the side of the instrument under the sliding panel. This increases the versatility of the instrument so it can be used in a number of ways in addition to its normal vertical field ground magnetometer function. See section 8, under Extended Applications and section 11, under Accessories.

2-10 ACCESSORY & LATITUDE SWITCH

This is a double function switch. The first function is to permit operation north or south of the equator by simply changing one step

SECTION 3

GENERAL DESCRIPTION AND APPLICATIONS

The field sensitivity of the M700 magnetometer originates in a flux gate element mounted so that its axis of maximum sensitivity is maintained in the vertical plane. The flux gate element contains an excitation winding and a detector winding. In addition there are auxiliary windings around the element which carry D.C. currents. With the auxiliary windings, a D.C. flux is created to cancel the earth's field. **Latitude adjust control and automatic cancelling.**

The flux gate element is continuously excited between saturation levels by an A.C. current. A detector winding consisting of differentially wound coils, picks up zero voltage when the resultant D.C. flux through the elements is zero.

When the external D.C. field changes in magnitude, a corresponding phase-reversible second harmonic output voltage is produced across the detector winding. The second harmonic output voltage is fed to a phase sensitive rectifier system and used to provide a cancelling D.C. current to oppose the external field attempting to unbalance the flux gate element.

The system therefore is a self-cancell-

ing one and at all times approximates a condition of zero flux about the flux gate element.

The D.C. current fed back to maintain the zero flux condition is measured on the display meter and is directly proportional to the change in the earth's field. The meter, then, can be calibrated directly in gammas.

Five meter ranges are provided to permit the measurement of a change of field of up to 100,000 gammas. Because the field at any new measurement station may increase or decrease, a polarity reversal on the on-off switch is provided.

The main application of the instrument is for general ground surveying. Because of the lack of any set-up requirements and the rapid direct meter read out, it provides the fastest and most economical geophysical surveying available compared to any other type of instrument or technique.

With the accessory receptacle the M700 lends itself to many other applications. These are covered in Section 8, under Extended Applications.

DIAMOND DRILL HOLE RECORD

MINE.....Acqualin Resources Ltd

DATE 17 October 1983

HOLE No. 83 - 1 SIZE BQ

Co-ordinates of Collar

LOCATION GC - 4 300 (8)

SEE FIGURE 6

DIRECTION West North 90° West

N. E.

DEPTH 300 Feet DIP -45° West

STARTED 25 July 1983

POSITION SURFACE ELEV. COLLAR 4000 Ft Approx

FINISHED 30 July 1983

SECTION			LOG	ASSAY			
FROM	TO	RECY		NUMBER			
0	40		Casing - Overburden				
40	51	8	Quartz Diorite - Granodiorite - Porphyritic sheared - rusty weathered - Ground				
51	300	238	Quartz Diorite - Granodiorite Complex - Porphyritic phenocryst to 1/32 in. sheared in places quartz stringers - variable sulphide mineralization propylitic alteration - sericite - feldspathic 54 - 56 - Quartz veinlet - silicified - sulphides 268 - 278 Quartz vein - silicified - sulphides 286 - 295 Quartz vein - silicified - sulphides				
	300		End of Hole				

TOTAL 246

% 82%

REMARKS:

Assays See Over

DRILLERS.....H. Allen Diamond Drillers.....

EXAMINED BY.....W. J. Weymark P. Eng.....

ASSAYER.....Kamloops Research Labs
Bondar Clegg (OVER)

**KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.**

B.C. CERTIFIED ASSAYERS

912 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — TELEX: 048-8320

GEOCHEMICAL LAB REPORT

Weymark Engineering Ltd.
1063 Balfour
Vancouver, B.C.

DATE August 10, 1983
ANALYST _____
FILE NO G-837

FILE NO. _____ CORE SLUDGE

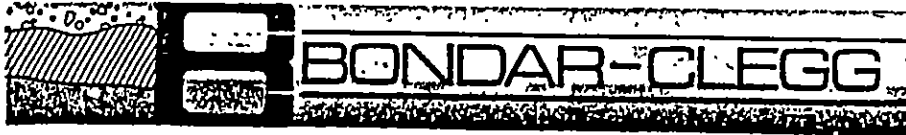
KRAL NO.	IDENTIFICATION	ppb Au	ppm Ag	ppm Cu					
1	DDH1 60-70	5	1.2	284					
2	70-80	15	1.6	388					
3	80-90	10	1.3	244					
4	90-100	LS	1.1	173					
5	100-110	10	.9	265					
6	110-120	10	1.1	160					
7	120-130	5	1.2	160					
8	130-140	10	1.2	231					
9	140-150	LS	1.1	191					
10	150-160	LS	1.0	227					
11	160-170	LS	1.0	225					
12	170-180	10	1.3	319					
13	180-190	15	1.0	194					
14	190-200	10	.9	244					
15	200-210	10	.8	117					
16	210-220	10	.8	219					
17	220-230	10	.9	341					
18	230-240	5	.8	465					
19	240-250	10	.8	166					
20	250-255	5	.9	155					
21	255-260	15	1.4	437					
22	260-265	10	2.4	222					
23	265-270	10	1.0	183					
24	270-275	LS	.8	172					
25	275-280	20	1.2	493					
26	280-285	10	1.1	186					
27	285-290	5	1.0	194					
28	295-300	LS	.9	186					

Rock Geochems: "Crush entire sample
Subsample if necessary
Pulverise in ring grinder
to approximately -100
mesh

Au Method: Fire Assay
Atomic Absorption

Ag, Cu Method: Hbt Acid Extraction
Atomic Absorption

Bondar-Clegg & Company Ltd.
 130 Parkside 7th Fl.
 North Vancouver, B.C.
 Canada V7P 2R5
 Phone: (604) 985-0681
 Telex: 04-352667



Geochemical
 Lab Report

REPORT: 123-2143 PROJECT: ACQUALIN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPH	As PPH	Au PPB	NOTES
D DDH-1-290-295		575	<0.2	5	
D DDH-2-40-50		250	0.7	<5	
D DDH-2-50-60		238	1.4	<5	
D DDH-2-60-70		207	0.4	<5	
D DDH-2-70-80		146	0.4	<5	
D DDH-2-80-90		168	0.4	<5	
D DDH-2-90-100		234	1.0	<5	
D DDH-2-100-110		301	3.6	<5	
D DDH-2-110-120		226	<0.2	<5	
D DDH-2-120-130		126	<0.2	<5	
D DDH-2-130-140		154	<0.2	<5	
D DDH-2-140-150		290	0.2	<5	
D DDH-2-150-160		445	0.2	<5	
D DDH-2-160-170		226	<0.2	<5	
D DDH-2-170-180		141	<0.2	<5	
D DDH-2-180-190		251	<0.2	<5	

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R3
Phone: (604) 983-0631
Telex: 04-352667



Certificate
of Analysis

REPORT: 423-1983 PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	As OPT	Cu PCT	NOTES
ACQUA IN					
83-1 (54-56)		0.002	0.02	<0.01	
83-1 (268-278)		0.002	0.03	0.01	
83-1 (286-295)		0.002	0.02	0.04	

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Registered Assayer, Province of British Columbia

DIAMOND DRILL HOLE RECORD

MINE ACQUALINDATE 17 October 1983HOLE No. 83 - 2SIZE BQ

Co-ordinates of Collar

LOCATION Same as 83 - 1 drilling in opposite direction EastSEE FIGURE: 6DIRECTION EastN. E. DEPTH 300 FeetDIP -45⁰ EastSTARTED 2 August 1983POSITION SurfaceELEV. COLLAR 4500 ApproxFINISHED 6 August 1983

SECTION			LOG	ASSAY		
FROM	TO	RECY		NUMBER		
0	53		Casing			
53	63	5'	Quartz Diorite - Granodiorite - Rusty - weathered Porphyritic - Sheared - Ground Quartz Stringers			
63	300	231	Quartz Diorite - Granodiorite - rusty slips Calcite and Quartz stringers Porphyritic - phenocrysts to 1/32" proplitic alteration sericitic - feldspathic scattered sulphides			
			Sheared altered sections: - 89 - 102; 106 - 109; 110 - 116; 151 - 155; 156 - 180; 186 - 187; 204 - 205; 243 - 249 299 - 300 Ground			
	300		End of Hole			

TOTAL 236% 79%

REMARKS:

See Assay Certificates Over

DRILLERS H Allen Diamond DrillingEXAMINED BY W. J. Weymark P. Eng.ASSAYER Chemex Labs Ltd DATE

(OVER)



REPORT: 123-2143 PROJECT: ACQUALIN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	As PPM	Au PPB	NOTES
D DDH-1-290-295		575	<0.2	5	
D DDH-2-40-50		250	0.7	<5	
D DDH-2-50-60		238	1.4	<5	
D DDH-2-60-70		207	0.4	<5	
D DDH-2-70-80		146	0.4	<5	
D DDH-2-80-90		168	0.4	<5	
D DDH-2-90-100		234	1.0	<5	
D DDH-2-100-110		301	3.6	<5	
D DDH-2-110-120		226	<0.2	<5	
D DDH-2-120-130		126	<0.2	<5	
D DDH-2-130-140		154	<0.2	<5	
D DDH-2-140-150		290	0.2	<5	
D DDH-2-150-160		445	0.2	<5	
D DDH-2-160-170		226	<0.2	<5	
D DDH-2-170-180		141	<0.2	<5	
D DDH-2-180-190		251	<0.2	<5	



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221
TELEX: 043-52597

CERTIFICATE OF ANALYSIS

TO : WEYMARK ENGINEERING LIMITED

1063 BALFOUR AVENUE
VANCOUVER, B.C.
V6H 1X2

CERT. # : A8314826-001-A
INVOICE # : I8314826
DATE : 23-SEP-83
P.C. # : NONE
ACCUAL IN

Sample description	Prep code	Ag ppm	AU-AA ppb				
DDH2 - 220-230	205	1.8	<10	--	--	--	--
DDH2 - 240-245	205	0.8	<10	--	--	--	--
DDH2 - 250-255	205	0.1	<10	--	--	--	--
DDH2 - 260-265	205	0.2	<10	--	--	--	--
DDH2 - 280-285	205	0.1	<10	--	--	--	--
DDH2 - 285-290	205	0.1	<10	--	--	--	--
DDH2 - 295-300	205	0.1	<10	--	--	--	--
DDH3 - 30-40	205	0.1	<10	--	--	--	--
DDH3 - 50-60	205	0.1	<10	--	--	--	--
DDH3 - 60-70	205	0.1	<10	--	--	--	--
DDH3 - 70-80	205	0.1	<10	--	--	--	--
DDH3 - 90-100	205	0.1	<10	--	--	--	--
DDH3 - 120-130	205	0.1	<10	--	--	--	--
DDH3 - 130-140	205	0.1	<10	--	--	--	--
DDH3 - 150-160	205	0.1	<10	--	--	--	--
DDH3 - 160-170	205	0.1	10	--	--	--	--
DDH3 - 190-200	205	0.1	10	--	--	--	--



MEMBER
CANADIAN TESTING
ASSOCIATION

Certified by *Hart Bichler*



CHEMEX LABS LTD.

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TELEPHONE: (604) 984-0221
TELEX. 043-52597

CERTIFICATE OF ANALYSIS

TO : WEYMARK ENGINEERING LIMITED

1063 BALFOUR AVENUE
VANCOUVER, B.C.
V6H 1X2

CERT. # : A8314570-001-A
INVOICE # : I8314570
DATE : 21-SEP-83
P.O. # : NONE
ACQUALINE

DDH 3 20-30 COULD NOT BE RUN, COULD NOT DE-OIL

Sample description	Prep code	Ag ppm	AU-AA ppb				
DDH 2 190-200	205	0.1	10	--	--	--	--
DDH 2 200-210	205	0.1	<10	--	--	--	--
DDH 2 210-220	205	0.1	20	--	--	--	--
DDH 2 230-240	205	0.1	10	--	--	--	--
DDH 2 245-250	205	0.1	<10	--	--	--	--
DDH 2 255-260	205	0.1	20	--	--	--	--
DDH 2 265-270	205	0.1	<10	--	--	--	--
DDH 2 270-275	205	0.1	<10	--	--	--	--
DDH 2 275-280	205	0.1	<10	--	--	--	--
DDH 2 290-295	205	0.1	<10	--	--	--	--
DDH 3 40-50	205	0.1	<10	--	--	--	--
DDH 3 80-90	205	0.1	<10	--	--	--	--
DDH 3 100-110	205	0.1	<10	--	--	--	--
DDH 3 110-120	205	0.1	<10	--	--	--	--
DDH 3 140-150	205	0.1	<10	--	--	--	--
DDH 3 170-180	205	0.1	20	--	--	--	--
DDH 3 180-190	205	0.1	10	--	--	--	--
DDH 3 200-210	205	0.1	10	--	--	--	--
DDH 3 210-220	205	0.1	10	--	--	--	--
DDH 3 220-230	205	0.1	10	--	--	--	--
DDH 3 230-240	205	0.1	<10	--	--	--	--
DDH 3 240-250	205	0.1	10	--	--	--	--



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DIAMOND DRILL HOLE RECORD

ANNEX - E

MINE ACQUALIN RESOURCES LTD

DATE 17 October 1983

OLE No. 83 - 3 SIZE BQ

Co-ordinates of Collar

LOCATION Cervo - 1 1213 (12)

SEE FIGURE: 6

DIRECTION Southerly

N..... E.....

DEPTH 350 Feet DIP -45) 0 South

STARTED 15 August 1983

POSITION Surface ELEV. COLLAR 2100! Approx

FINISHED 6 September 1983

SECTION			LOG	ASSAY			
FROM	TO	RECY		NUMBER			
0	10		Casing				
0	350	325	Chloritic Schist - Altered metasediments - volcanics Variable colour - Grey to Dark Grey Quartz- calcite - stringers silicified in places - epidote stringers and blebs variable mineralization - hematitic - sulphides rusty slips and joints				
			122 - 123; ; 130; 143 - 145; 153; Feet				
			235 - 240; 254 - 256; 295 - 314; 330 - 337				
			215 - 225 Argillaceous				
			300 - 340 Silicified, rusty joints, sheared, altered epidote.				
	350		END of Hole				
			Assay Certificates see over				

TOTAL 325'

% 94 %

REMARKS: NO SLUDGE RECOVERED from 250' to end of Hole

DRILLERS.....H. Allen Drilling
 EXAMINED BY.....W. J. Weymark P. Eng.
 ASSAYER.....Kamloops Research Labs
 Chemex Labs (OVER)



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

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TELEPHONE: (604) 984-0221
TELEX: 043-52597

CERTIFICATE OF ANALYSIS

TO : WEYMARK ENGINEERING LIMITED

CERT. # : A8314570-001-A
INVOICE # : I8314570
DATE : 21-SEP-83
P.O. # : NONE
ACQUALINE

1063 BALFOUR AVENUE
VANCOUVER, B.C.
V6H 1X2

DDH 3 20-30 COULD NOT BE RUN, COULD NOT DE-OIL

Sample description	Prep code	Ag ppm	AU-AA ppb				
DDH 2 190-200	205	0.1	10	--	--	--	--
DDH 2 200-210	205	0.1	<10	--	--	--	--
DDH 2 210-220	205	0.1	20	--	--	--	--
DDH 2 230-240	205	0.1	10	--	--	--	--
DDH 2 245-250	205	0.1	<10	--	--	--	--
DDH 2 255-260	205	0.1	20	--	--	--	--
DDH 2 265-270	205	0.1	<10	--	--	--	--
DDH 2 270-275	205	0.1	<10	--	--	--	--
DDH 2 275-280	205	0.1	<10	--	--	--	--
DDH 2 290-295	205	0.1	<10	--	--	--	--
DDH 3 40-50	205	0.1	<10	--	--	--	--
DDH 3 80-90	205	0.1	<10	--	--	--	--
DDH 3 100-110	205	0.1	<10	--	--	--	--
DDH 3 110-120	205	0.1	<10	--	--	--	--
DDH 3 140-150	205	0.1	<10	--	--	--	--
DDH 3 170-180	205	0.1	20	--	--	--	--
DDH 3 180-190	205	0.1	10	--	--	--	--
DDH 3 200-210	205	0.1	10	--	--	--	--
DDH 3 210-220	205	0.1	10	--	--	--	--
DDH 3 220-230	205	0.1	10	--	--	--	--
DDH 3 230-240	205	0.1	<10	--	--	--	--
DDH 3 240-250	205	0.1	10	--	--	--	--



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CERTIFICATE OF ANALYSIS

TO : WEYMARK ENGINEERING LIMITED

1063 BALFOUR AVENUE
VANCOUVER, B.C.
V6H 1X2

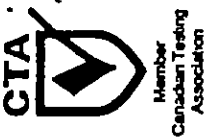
CERT. # : A8314826-001-L
INVOICE # : I8314826
DATE : 23-SEP-83
P.C. # : NONE
ACQUALIN

Sample description	Prep code	Ag ppm	AU-AA ppb				
CDH2 - 22C-23C	205	1.8	<10	--	--	--	--
DDH2 - 24C-245	205	0.8	<10	--	--	--	--
DDH2 - 25C-255	205	0.1	<10	--	--	--	--
DDH2 - 26C-265	205	0.2	<10	--	--	--	--
DDH2 - 280-285	205	0.1	<10	--	--	--	--
DDH2 - 285-290	205	0.1	<10	--	--	--	--
DDH2 - 295-300	205	0.1	<10	--	--	--	--
DDH3 - 30-40	205	0.1	<10	--	--	--	--
DDH3 - 50-60	205	0.1	<10	--	--	--	--
DDH3 - 60-70	205	0.1	<10	--	--	--	--
DDH3 - 70-80	205	0.1	<10	--	--	--	--
DDH3 - 90-100	205	0.1	<10	--	--	--	--
DDH3 - 120-130	205	0.1	<10	--	--	--	--
DDH3 - 130-140	205	0.1	<10	--	--	--	--
DDH3 - 150-160	205	0.1	<10	--	--	--	--
DDH3 - 160-170	205	0.1	10	--	--	--	--
DDH3 - 190-200	205	0.1	10	--	--	--	--

Hart Bichler

Certified by





KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

B.C. LICENSED ASSAYERS
GEOCHEMICAL ANALYSTS
METALLURGISTS

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — TELEX: 048-8320

CERTIFICATE OF ASSAY

TO Weymarc Engineering Ltd. Certificate No. K-5847

3310 Westmount Road Date September 6, 1983

West Vancouver, B.C. V7V 3G6

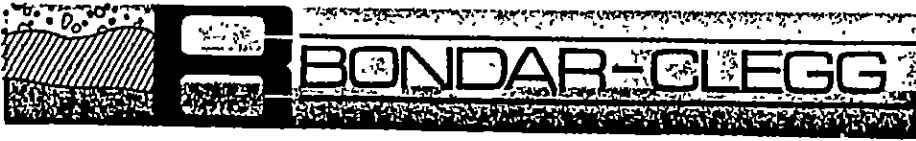
I hereby certify that the following are the results of assays made by us upon the herein described _____ samples

Kral No	Marked	Au ounces/ton	Ag ounces/ton	Cu percent			
1	DDH3 300-320 DDH3 320-330 Core #130 Core #153 L means "Less than"	L.001	.01	.04			
2		L.001	.05	.05			
3		L.001	.09	.02			
4		L.001	.03	.03			

NOTE:
Rejects retained three weeks.
Pulps retained three months
unless otherwise arranged

Registered Assayer, Province of British Columbia

Bondar-Clegg & Company Ltd.
 130 Pemberton Ave.
 North Vancouver, B.C.
 Canada V7P 2R5
 Phone: (604) 915-0681
 Telex: 04-352667



Geochemical
 Lab Report

REPORT: 123-1360 PROJECT: ACQUILIN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Au PPB	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Au PPB	NOTES
5150E 100H		12	5		S 550E 400S		15	<5	
5150E 50S		8	<5		S 600E 250H		19	<5	
5150E 100S		7	10		S 600E 350H		23	<5	
5150E 150S		9	10		S 600E 0S		9	<5	
6100E 100H		8	20		S 600E 50S		8	<5	
6150E 50N		8	15		S 600E 100S		9	<5	
6150E 100N		8	15		S 600E 150S		13	<5	
6150E 1450S		7	30		S 600E 200S		17	<5	
7150E 1450S		8	15		S 600E 250S		21	<5	
8100E 1450S		5	20		S 600E 300S		15	<5	
8100E 3450S		25	10		S 600E 400S		21	<5	
8150E 1450S		5	10		S 650E 250H		61	<5	
9100E 3400S		10	10		S 650E 0S		9	85	
9100E 3450S		13	10		S 650E 50S		9	5	
9150E 2400S		6	5		S 650E 100S		10	<5	
100E 0S		8	5		S 700E 250H		15	<5	
150E 0S		6	5		S 700E 0S		11	<5	
200E 0S		7	5		S 700E 50S		10	<5	
250E 0S		11	<5		S 700E 100S		10	<5	
300E 0S		12	10		S 700E 150S		8	<5	
350E 0S		34	<5		S 700E 200S		9	<5	
400E 0S		30	5		S 700E 250S		14	<5	
450E 0S		17	<5		S 700E 300S		25	80	
500E 50N		10	20		S 750E 250H		16	15	
500E 100N		10	10		S 750E 0S		9	<5	
500E 150N		16	<5		S 750E 150S		11	<5	
500E 200N		14	<5		S 750E 200S		10	<5	
500E 250N		21	5		S 750E 250S		11	<5	
500E 0S		9	10		S 750E 300S		18	<5	
500E 50S		10	10		S 775E 0H		9	<5	
500E 100S		11	5		S 775E 50H		16	<5	
500E 150S		13	10		S 775E 50S		7	5	
500E 200S		19	10		S 775E 100S		11	<5	
500E 250S		14	<5		S 800E 50H		10	<5	
500E 300S		11	<5		S 800E 100H		11	5	
500E 50S		12	<5		S 800E 150H		11	10	
500E 400S		10	<5		S 800E 200H		15	5	
550E 50N		10	<5		S 800E 250H		24	<5	
550E 250N		12	<5		S 800E 0S		11	5	
550E 0S		10	<5		S 800E 250S		21	<5	

Bondar & Cowley Ltd.
 130 Pemberton Ave.
 North Vancouver, B.C.
 Canada V7P 2R5
 Phone (604) 983-0681
 352667



BONDAR-CLEGG

**Geochemical
 Lab Report**

REPORT: 123-1360 PROJECT: AQUILIN

PAGE 2

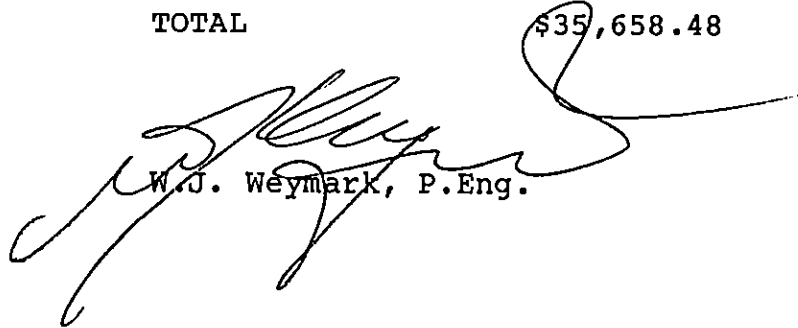
SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Au PPB	NOTES
800E	350S	11	5	
850E	0S	9	<5	
850E	250S	25	<5	
850E	300S	11	<5	
850E	350S	31	<5	
900E	0S	10	<5	
900E	150S	9	<5	
950E	0S	7	<5	
950E	150S	13	<5	
950E	250S	10	5	
950E	300S	15	10	
1000E	0S	6	<5	
1050E	0S	7	5	
1100E	0S	8	<5	
1100E	0S	7	<5	
1200E	0S	5	<5	
1250E	0S	6	<5	
1300E	0S	9	<5	
1350E	0S	18	5	
04	0S	10	5	
H0		22	<5	
H50		18	<5	
H100		36	<5	
H150		24	<5	
H200		9	<5	
H250		14	<5	
H300		14	<5	
H350		13	<5	
H400		37	<5	

ANNEX GCOST DISTRIBUTION

- | | | |
|----|---|-------------|
| 1. | Wm. Chang MSc. Consultant
1967 Flynn Crescent, Coquitlam
British Columbia | |
| | Field: 15 July - 28 July/1983 @250/day | \$ 4,250.00 |
| | Office, September 1-3, 1983 | |
| | Expenses: | |
| | Meals and Hotel | 760.00 |
| | Supplies - automobile - 970 miles @\$.30 | 291.00 |
| 2. | Y. Kang, Chainman
#4 - 9949 - 15th Street, Surrey, B.C. | |
| | Field: 15 July - 24 July/ 1983 | 1,000.00 |
| 3. | William J. Weymark P. Eng. | |
| | Field: 15-20 July; 23-25 July; 1-2 August;
13 August, 31-1 Sept. 1983 at
\$250.00 per day | 3,500.00 |
| | Office: 14 July, 26 July, 3 Aug., 2-4
September, 25-31 October | 3,000.00 |
| | Expenses: | |
| | Motel and Meals | 275.00 |
| | Automobile: 2230 miles @\$.30 | 669.00 |
| 4. | H. Allen Diamond Drilling, Box 270,
Merritt. B.C. | |
| | 950 feet B.Q. Diamond Drilling | 19,000.00 |
| 5. | Kamloops Research Assays
912 Laurel Crescent
Kamloops, B.C. | 309.83 |
| | Chemex Lake Ltd.
212 Brooksbank Avenue
North Vancouver, B.C. | 366.60 |
| | Bondar Clegg
130 Pemberton Avenue
North Vancouver, B.C. | 1,707.05 |

6. Weymark Engineering Ltd. Assembly of Field Data, Collation, Fairdrawing, preparation and final- ization of Report,	200.00
Printing	180.00
Maps and Reproductions	<u>150.00</u>

TOTAL \$35,658.48

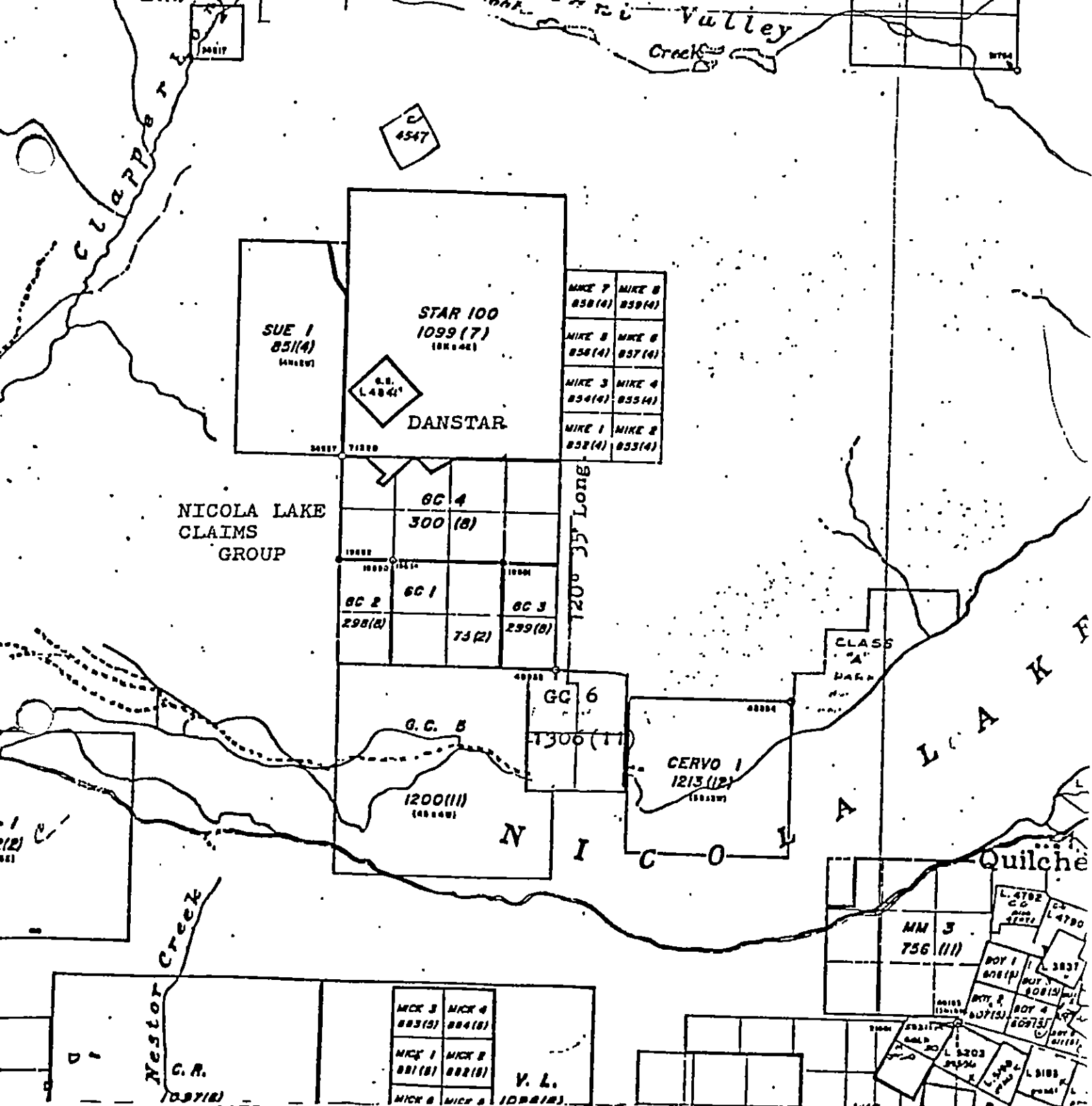


W.J. Weymark, P.Eng.

ILLUSTRATIONS

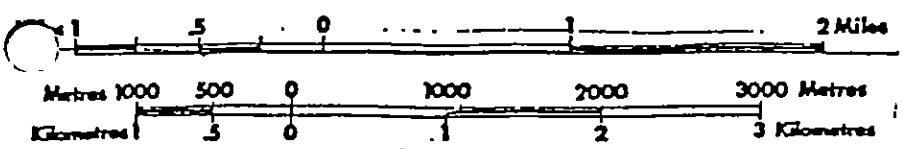
WEYMARK ENGINEERING LTD.

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REFERENCE MAP: 92 I 2E B. C. Department of Mines

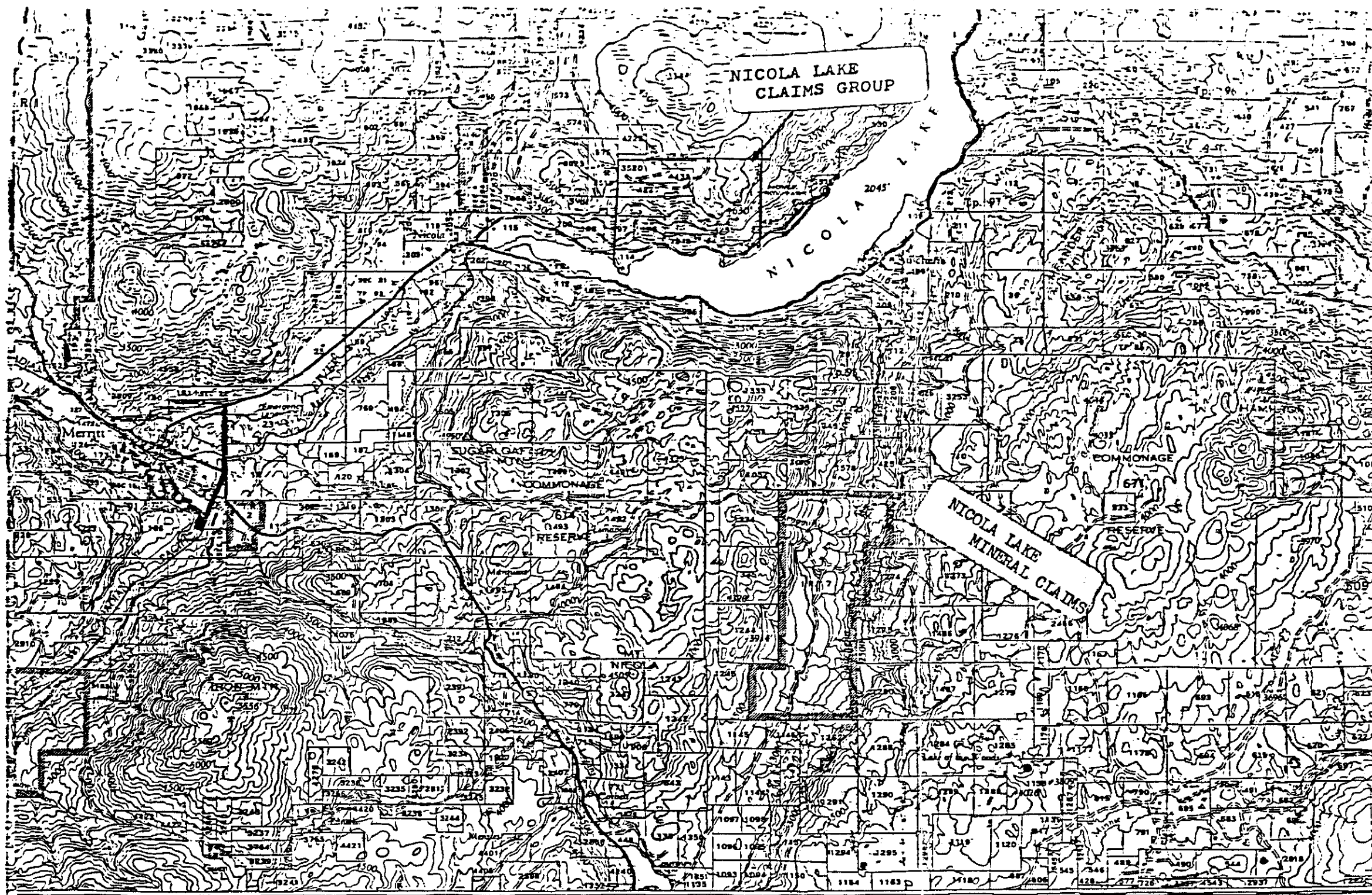
Province of British Columbia
 Ministry of Energy, Mines and Provincial Resources



NICOLA LAKE CLAIMS GROUP
 NICOLA MINING DIVISION
 BRITISH COLUMBIA

CLAIMS LOCATION
 TCD - WJW Date 20-2b.
 SCALE: As Shown

FIGURE: 2



REFERENCE MAP 45-21 SE LAND STATUS EDITION

To Projection 44 miles

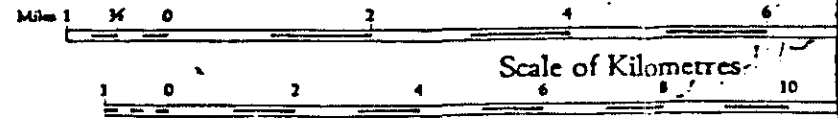
REFERENCE

- Lands alienated or covered by applications under the Land Act
- Surveyed Timber Lease, License, or Berth
- Indian Reserve
- Government Reserve
- Land District Boundary
- Tree Farm Licence
- Park Boundary
- Provincial Forest Boundary
- Municipality
- Forest Service Lookout
- Post Office
- School
- Church
- Building
- Hospital
- Crematory
- Campsite



MERRITT
BRITISH COLUMBIA

Scale 1:126,720 or 1 Inch to 2 Miles



Magnetic Declination approximately 23° 34' East in centre of map
Decreasing approximately 3' 30" annually.

NICOLA LAKE CLAIMS GROUP
NICOLA MINING DIVISION

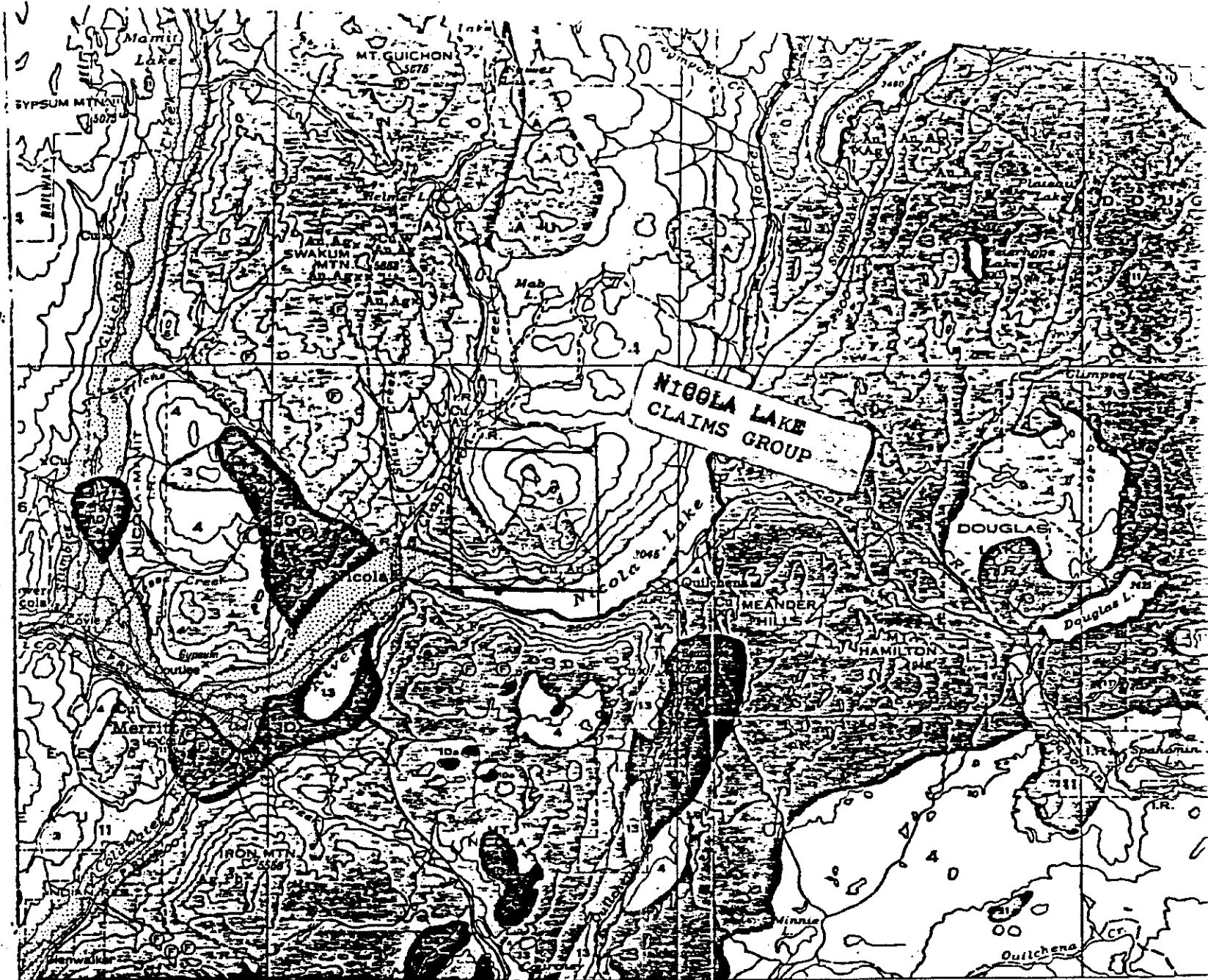
ACCESS - TOPOGRAPHY

TCD: eJW Date: 20-2-89

SCALE: As Shown FIGURE: 3

LEGEND

CENOZOIC	TERTIARY MIOCENE OR LATER	13	Valley basalt: mainly vesicular basalt
	MIOCENE OR EARLIER	11, 12	KAMLOOPS GROUP 11. Rhyolite, andesite, and basalt; associated tuffs, breccias and agglomerates. May include some younger basalts 12. TRANQUILLE BEDS: conglomerate, sandstone, shale, tuff; thin coal seams
		10, 10a	COLDWATER BEDS: conglomerate, sandstone, shale, and coal; 10a. similar to 10, but may include younger beds
MESOZOIC OR CENOZOIC	CRETACEOUS OR TERTIARY	9	COPPER CREEK INTRUSIONS: granite, granodiorite, granite porphyry
		8	Andesite, basalt; picrite, agglomerate, breccia, and tuff; minor conglomerate and sandstone
		7	Conglomerate, sandstone, and shale
	CRETACEOUS LOWER CRETACEOUS KINGSDALE GROUP	6	Rhyolite, andesite, and basalt; associated tuffs, breccias, and agglomerates; arkose, conglomerate
MESOZOIC	SPENCE BRIDGE GROUP	5	Hard, reddish lava
	JURASSIC AND (?) LATER	4	COAST INTRUSIONS: granite, granodiorite, gabbro; 4a, iron Mask batholith; syenite, monzonite, diorite, gabbro; 4b, pyroxenite and peridotite. Probably not all of the same age, and may be in part post-Lower Cretaceous
	TRIASSIC UPPER TRIASSIC NICOLA GROUP	3	Greenstone: andesite, basalt; agglomerate, breccia, tuff; minor argillite, limestone, and conglomerate
	CARBONIFEROUS AND PERMIAN CACHE CREEK GROUP (?)	2	Greenstone, generally slightly sheared. May include some Triassic rocks (3)
PALÆOZOIC		1A	Argillite, quartzite, hornstone, limestone, sheared conglomerate, breccia, greenstone, and serpentine; 1A, limestone
		A	Chlorite schist, quartz-mica schist, amphibolite, and granitic intrusions; commonly gneissic and largely of Palæozoic age



REPRINTED, 1961
MAP MAY BE OBTAINED FROM THE
GEOLOGICAL SURVEY OF CANADA, OTTAWA

REFERENCE: Geology By
W. E. Cockfield 1939 1940
1941 1943

Joins Map 888A, Princeton.

PRINTED BY THE S...

MAP 886A
NICOLA
KAMLOOPS AND YALE DISTRICTS
BRITISH COLUMBIA

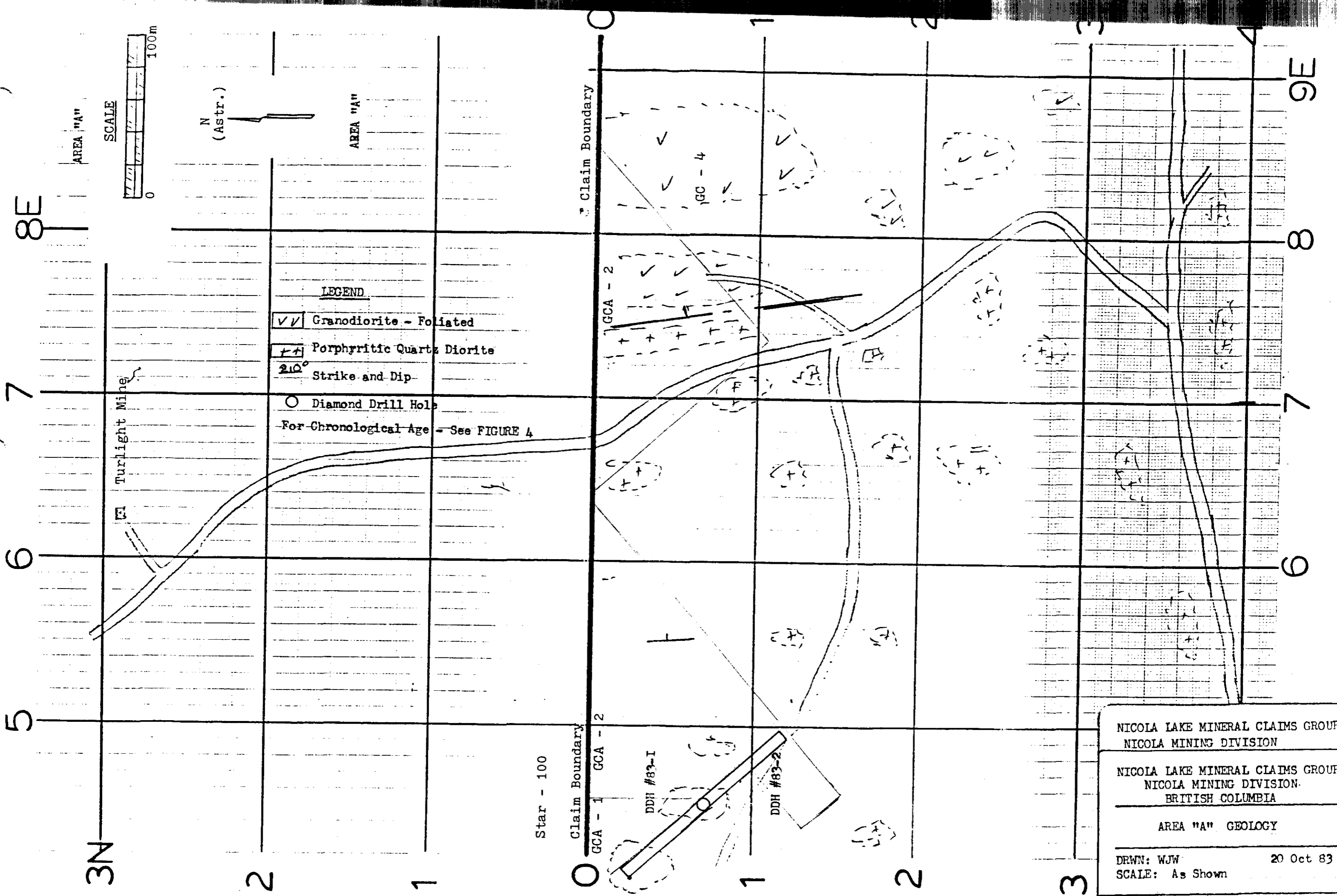
Scale: 1 inch to 4 Miles
Miles

Approximate magnetic declination, 24'x

NICOLA LAKE CLAIMS GROUP
NICOLA MINING DIVISION
REGIONAL GEOLOGY

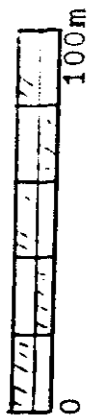
TCD: WJW Date: 20-2-55
SCALE: As Shown

FIGURE: 4



AREA "A"

SCALE



N
(Astr.)

AREA "A"

LEGEND

- Granodiorite - Foliated
- Porphyritic Quartz Diorite
- 210° Strike and Dip
- Diamond Drill Hole
- For Chronological Age - See FIGURE 4

Turlight Mine

Claim Boundary

Claim Boundary

GCA - 1 GCA - 2

GCA - 2 GC - 4

DDH #83-1

DDH #83-2

Star - 100

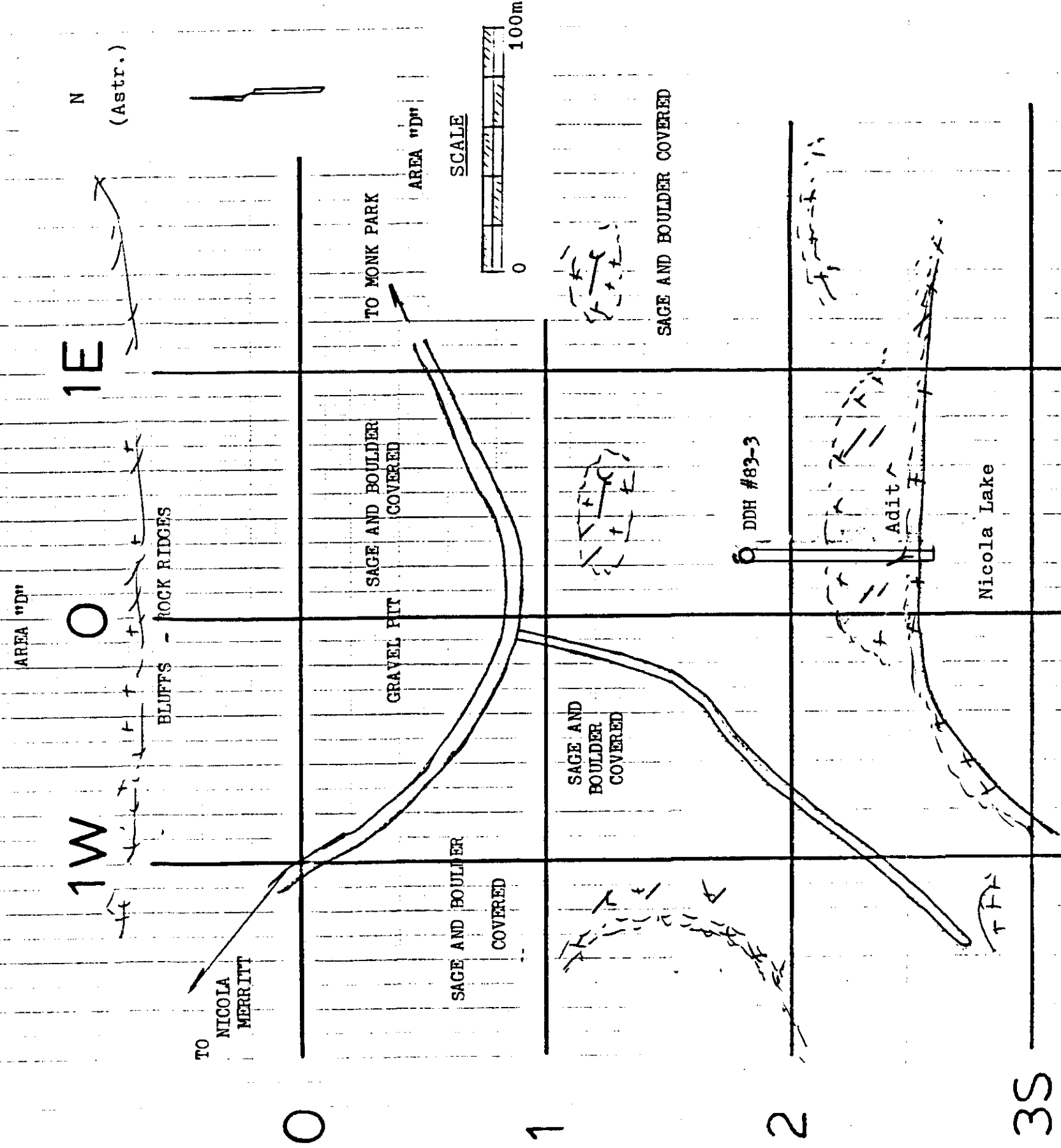
NICOLA LAKE MINERAL CLAIMS GROUP
NICOLA MINING DIVISION

NICOLA LAKE MINERAL CLAIMS GROUP
NICOLA MINING DIVISION
BRITISH COLUMBIA

AREA "A" GEOLOGY

DRWN: WJW 20 Oct 83
SCALE: As Shown

FIGURE: 5



- CHLORITIC SCHIST AND ASSEMBLAGES
- ROCK OUTCROP
- STRIKE /DIP
- ADIT
- DIAMOND DRILL HOLE

NOTE: See FIGURE 4 for GEOLOGICAL CHRONOLOGICAL SEQUENCES
 - FIGURE 6 For AREA Location

NICOLA LAKE MINERAL CLAIM GROUP	
NICOLA MINING DIVISION	
GEOLOGY - AREA " D "	
DRWN WJW	DATE: 20 October
SCALE: As Shown	1983

FIGURE 5B

STAR - 100
DANSTAR

MIKE GROUP
NALOS

AREA "A"

Turlight Mine

3N

DDH #83-1

ON

DDH #83-2

3S

GCA 1

GCA 2

GCA 3

GC - 4
300 (8)

REFERENCE CO-ORDINATES

120° 36' 30" West

50° 11' North

Land Status Map 92 I/SE

Merritt - Figure 3

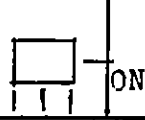
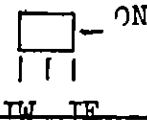
GC - 2
298 (8)

GC - 1
75 (2)

GC - 3
299 (8)

AREA "B"

AREA "C"



GC - 5
1200 (11)

GC - 6
1306 (11)

CERVO - 1
1213 (12)

AREA "D"

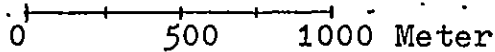
DDH #83-3



NICOLA LAKE

T.N.

SCALE



NICOLA LAKE CLAIMS GROUP
NICOLA MINING DIVISION

SURVEY TEST AREAS

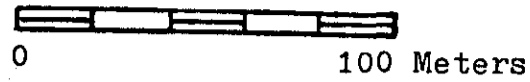
DRWN: WJW

20 Oct 1983

SCALE: As Shown

T.N.

SCALE



EM SCINTREX VLF AREA "A"

VERTICAL FIELD & DIP ANGLE

5 Vertical Field %
+7 Dip Angle °

8 Vertical Field High, Above 8

1c Real Crossover at change points from positive to negative signs toward East on East-West lines

EM VLF: Scintrex SE80 Scopas, Mo 707011, Se 101023, Transmitter NLK Jim Creek, Wash. 18.6 KHz, 250 Kw, 48N12W55

2N

1

0

1

2S

0

1S

2

3

4S

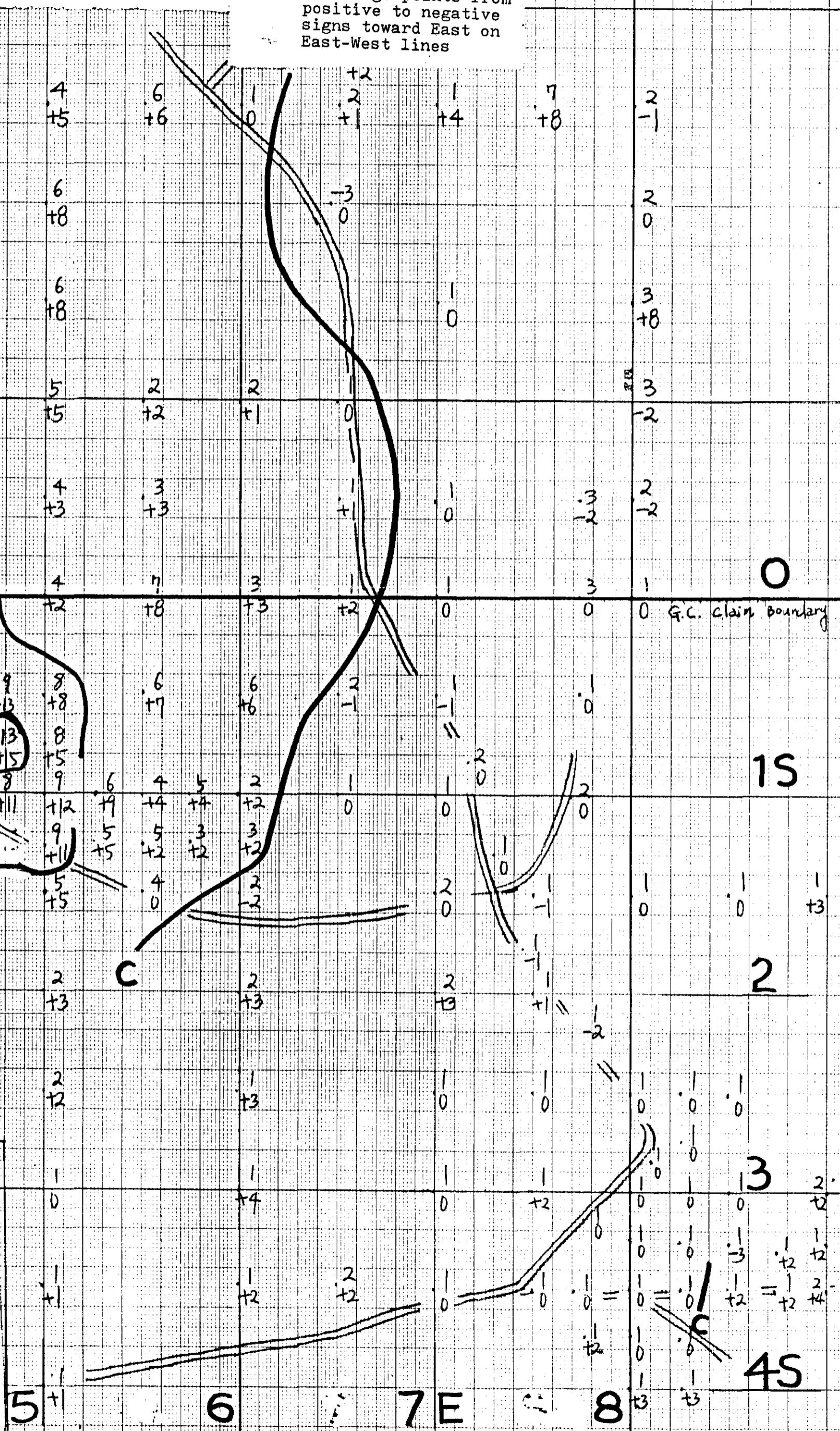
G.C. claim boundary

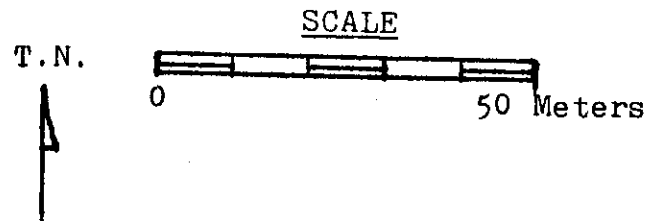
AREA "A" SEE FIG: 6

NICOLA LAKE CLAIMS GROUP
NICOLA MINING DIVISION
EM GEOPHYSICAL SURVEY
VERTICAL FIELD - DIP ANGLE

DRWN: WmC
Scale: As Shown
20 Oct 83

FIGURE: 7

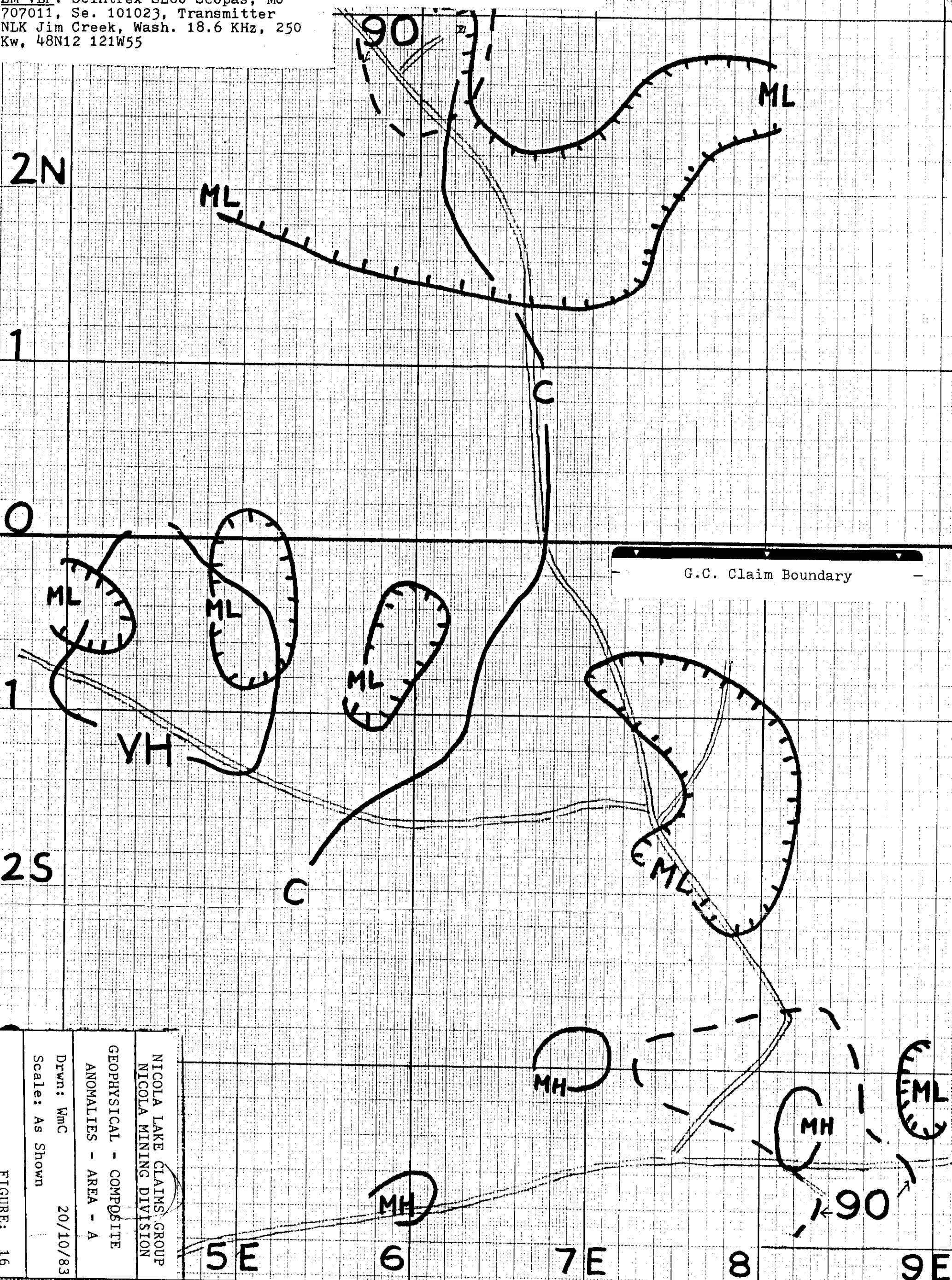




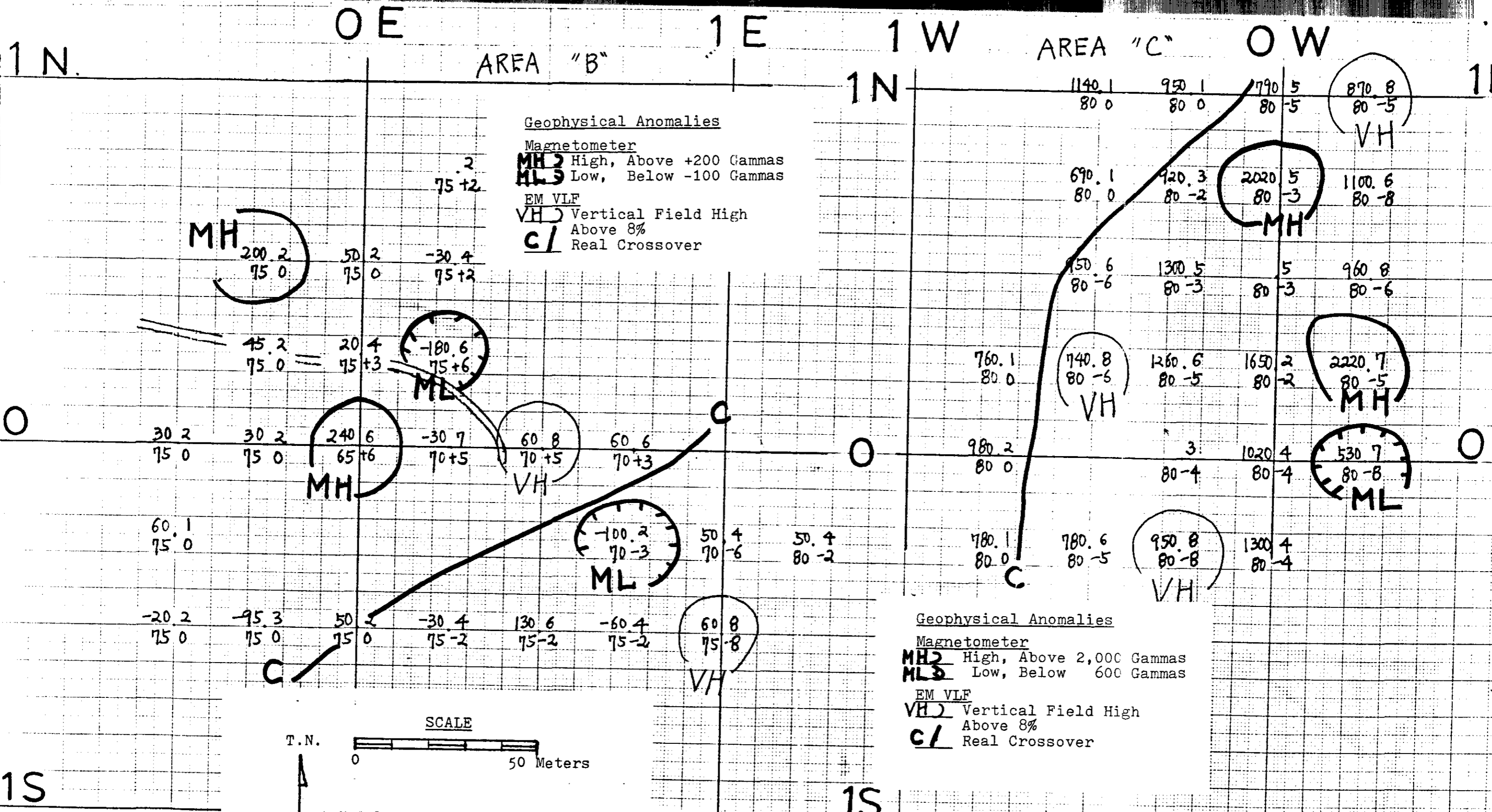
GEOPHYSICAL ANOMALIES
 Magnetometer: Vertical Fd.
 MH) High, Above +50 Gammas
 ML) Low, Below -100 Gammas
 VLF EM:
 VH) Vertical Fd High
 Above 8%
 C) Real Crossover
 90) Azimuth Change

AREA "A"
 Note: FOR LOCATIONS
 SEE FIG: 6

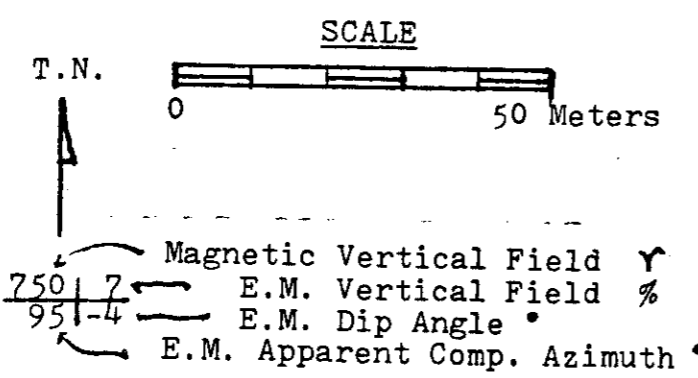
Magnetometer: Scintrex Fluxgate, Mo. 753011, Se. 7605203, MF-2/100
 EM VLF: Scintrex SE80 Scopas, Mo 707011, Se. 101023, Transmitter NLK Jim Creek, Wash. 18.6 KHz, 250 Kw, 48N12 121W55



NICOLA LAKE CLAIMS GROUP
 NICOLA MINING DIVISION
 GEOPHYSICAL - COMPOSITE
 ANOMALIES - AREA - A
 Dwn: VmC 20/10/83
 Scale: As Shown



1S



Magnetometer: Scintrex Fluxgate, Mo. 753011, Se. 7605203, MF-2/100
EM VLF: Scintrex SE80 Scopas, Mo 707011, Se. 101023, Transmitter NLK Jim Creek, Wash. 18.6 KHz, 250 Kw, 48N12 121W55

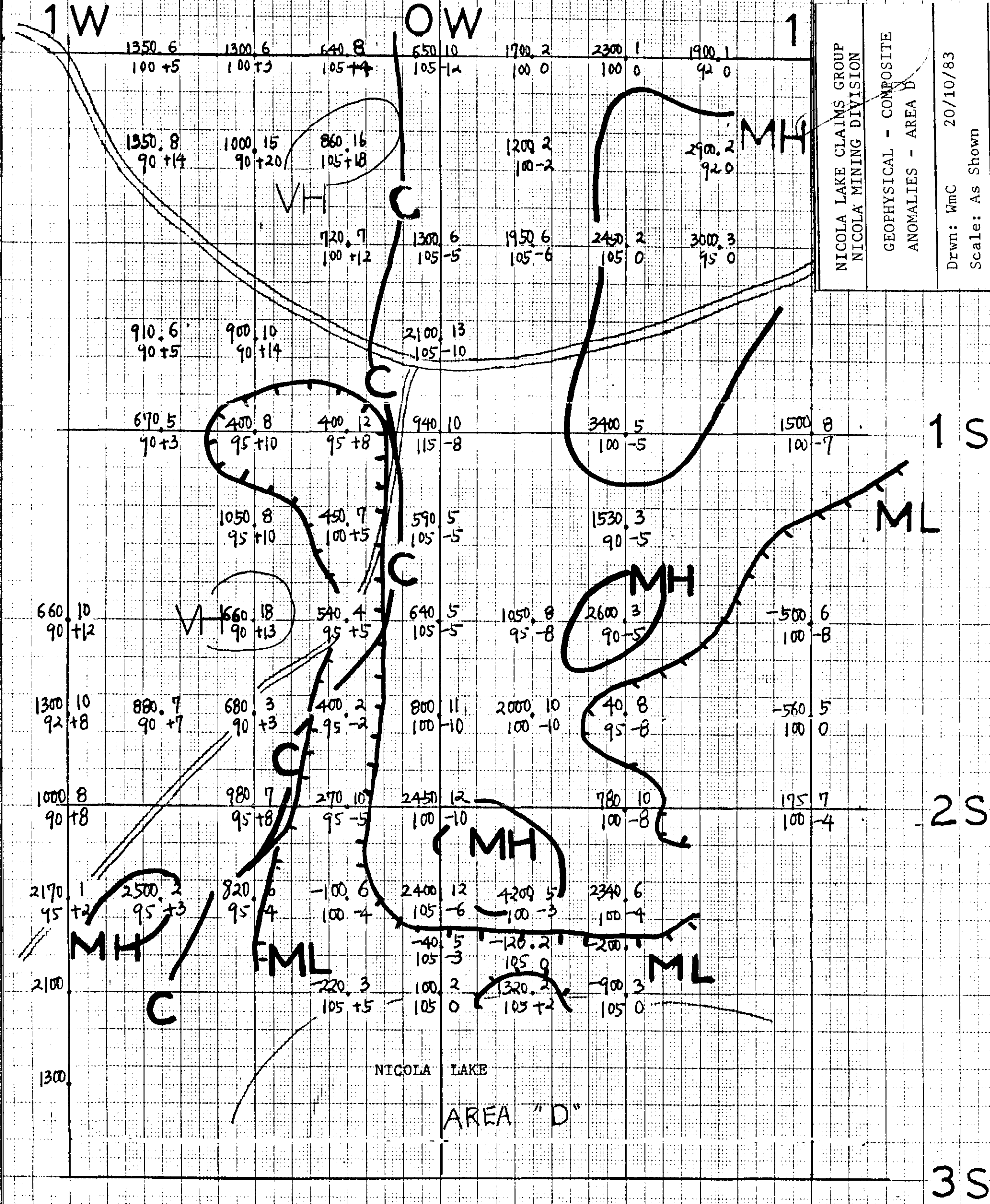
Note: FOR LOCATIONS SEE FIGURE: 6

NICOLA LAKE CLAIMS GROUP
NICOLA MINING DIVISION

GEOPHYSICAL - COMPOSITE
ANOMALIES - AREAS B & C

Drawn: WmC 20/10/83
Scale: As Shown

FIGURE: 17

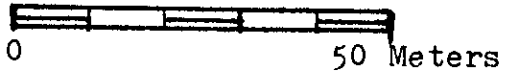


NICOLA LAKE CLAIMS GROUP
 NICOLA MINING DIVISION
 GEOPHYSICAL - COMPOSITE
 ANOMALIES - AREA D

Drwn: WmC 20/10/83
 Scale: As Shown

FIGURE: 18

SCALE



T.N.

- ↔ Magnetic Vertical Field γ
- ↔ E.M. Vertical Field %
- ↔ E.M. Dip Angle
- ↔ E.M. Apparent Comp. Azimuth

Magnetometer: Scintrex Fluxgate, Mo. 753011, Se. 7605203, MF-2/100
 EM VLF: Scintrex SE80 Scopas, Mo 707011, Se. 101023, Transmitter NLK Jim Creek, Wash. 18.6 KHz, 250 Kw, 48N12 121W55

GEOPHYSICAL ANOMALIES

Magnetometer

MH 2 High, Above 2500 Gammas
 ML 3 Low, Below 500 Gammas

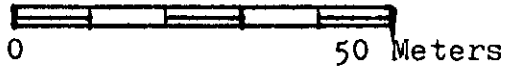
VLF EM

VH) Vertical Field High, Above 16%

C) Real Crossover

Note: FOR LOCATIONS SEE FIGURE: 6

SCALE



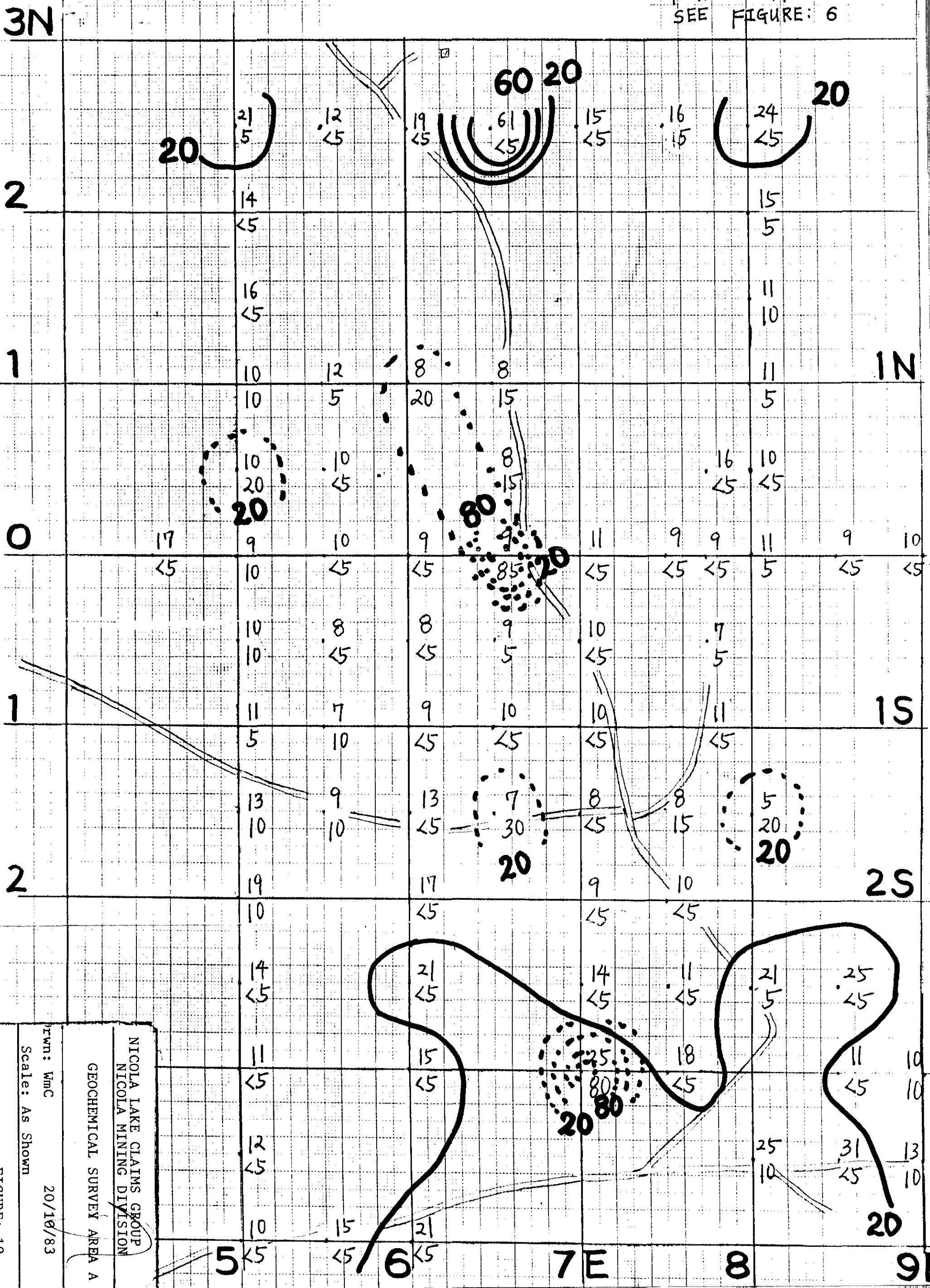
GEOCHEMISTRY

- 10 - Copper, ppm Cu
- 30 - Gold, ppb Au
- 20** | Copper High, Above 20 ppm
- 20** | Gold High, Above 20 ppb

AREA "A"

FOR LOCATIONS SEE FIGURE: 6

T.N.
3N



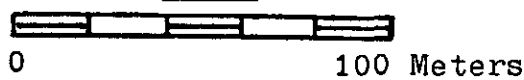
Irwin: WMC
Scale: As Shown
20/10/83

NICOLA LAKE CLAIMS GROUP
NICOLA MINING DIVISION
GEOCHEMICAL SURVEY AREA A

FIGURE: 19

T.N.

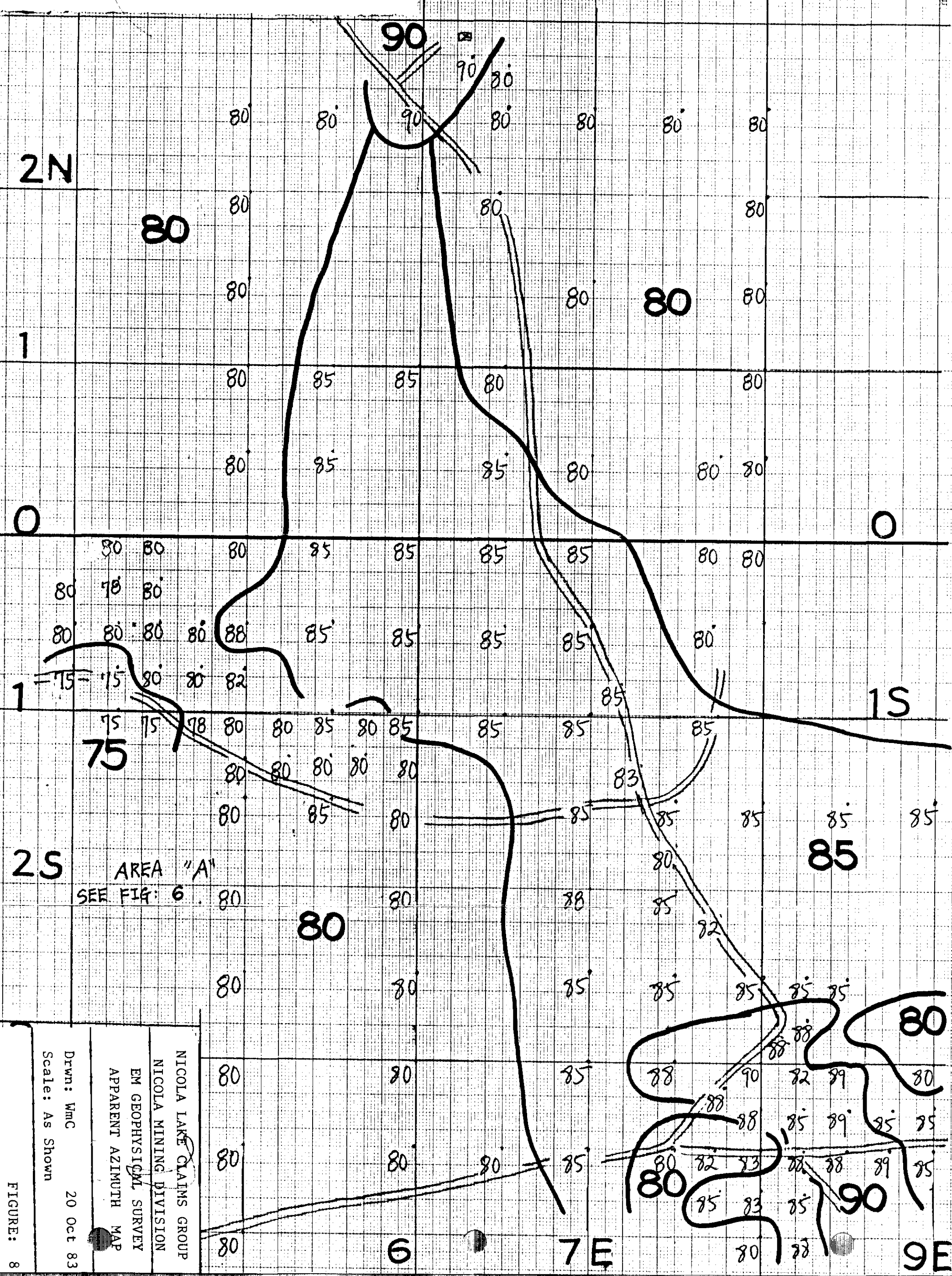
SCALE



EM SCINTREX VLF
 Apparent Compass Azimuth
 Contour Map
 AREA "A"
 Contour Interval 5

EM VLF: Scintrex SE80 Scopas, Mo 707011,
 Se 101023, Transmitter NLK Jim Creek, Wash.
 18.6 KHz, 250 Kw, 48N12W55

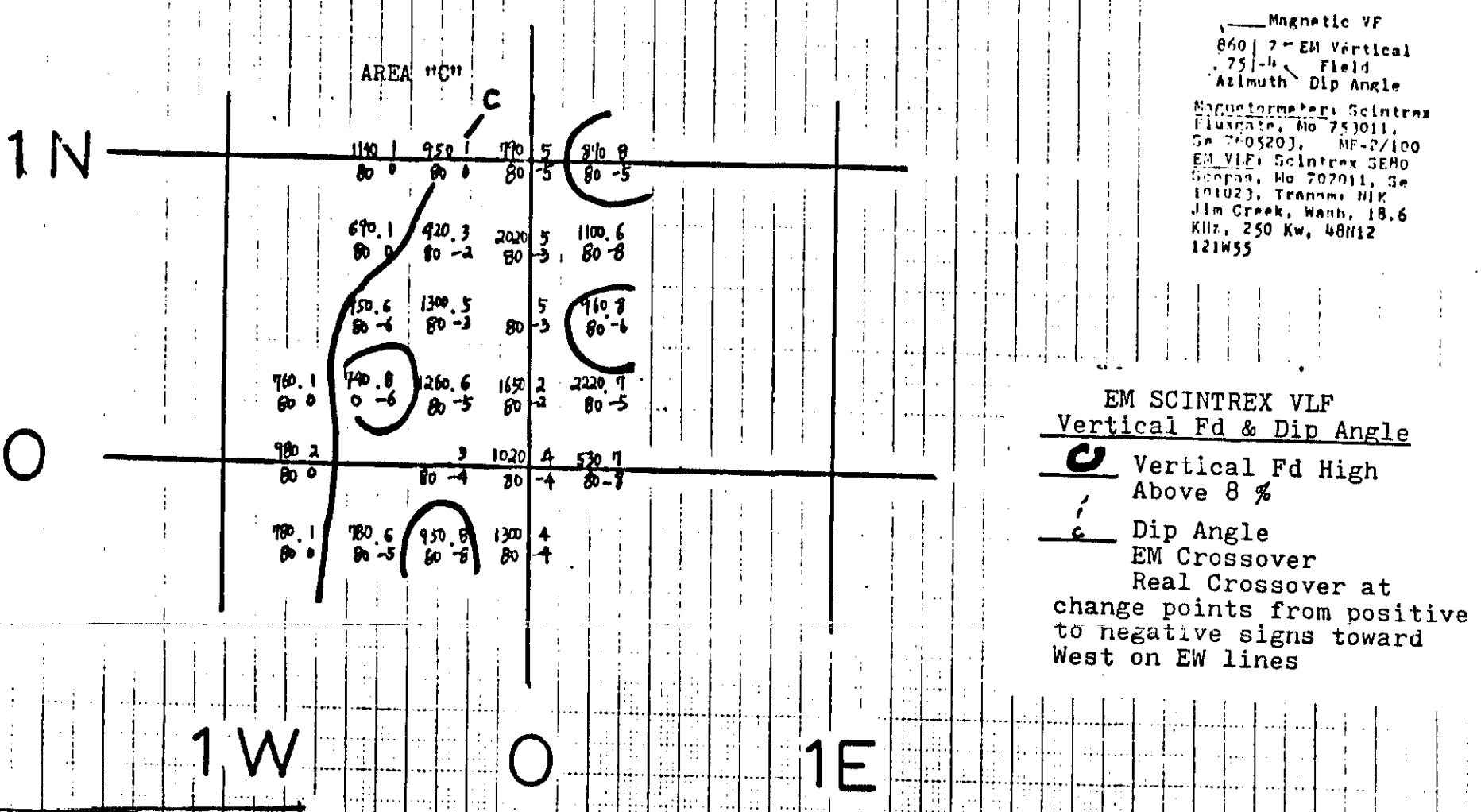
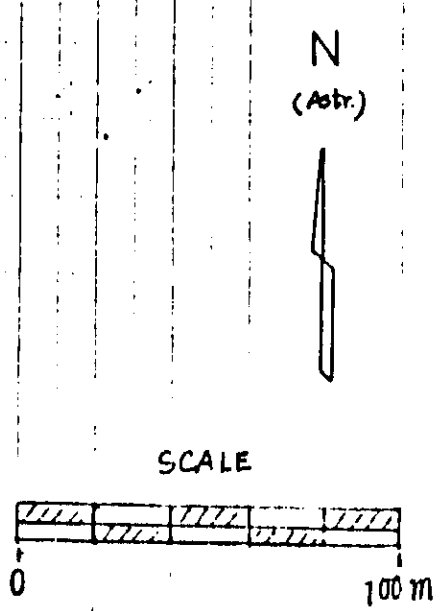
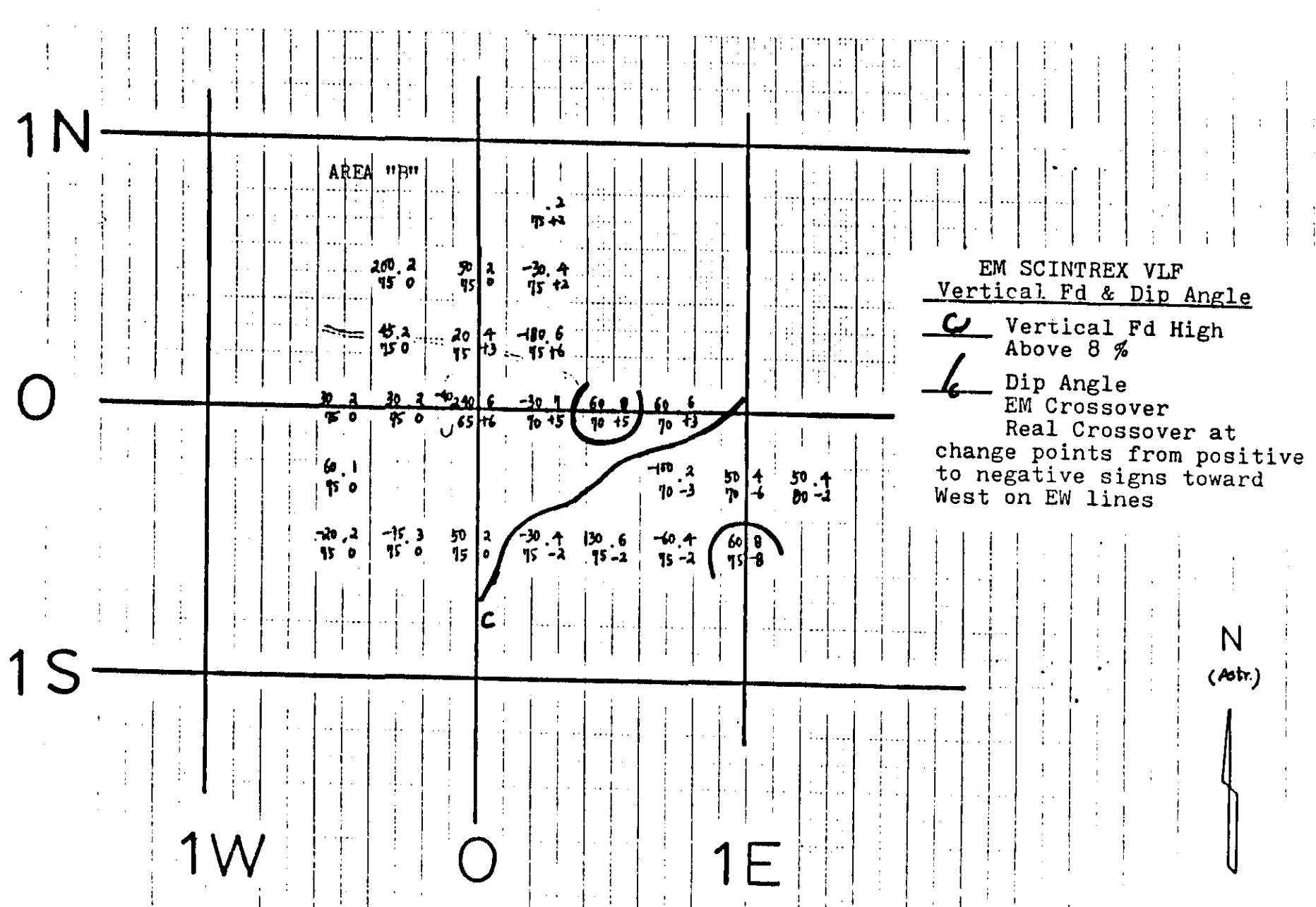
DIENGEN JONES FOR 1 Street Astoria



2S AREA "A"
 SEE FIG: 6

NICOLA LAKE CLAIMS GROUP
 NICOLA MINING DIVISION
 EM GEOPHYSICAL SURVEY
 APPARENT AZIMUTH MAP
 Drwn: Wmc 20 Oct 83
 Scale: As Shown

FIGURE: 8



Magnetic VF
860 | 7 - EM Vertical
75 | 4 - Field
Azimuth \ Dip Angle

Magnetometer: Scintrex
Fluxgate, No 753011,
Se 760520J, MF-2/100
EM VLF: Scintrex SEHO
Scopas, No 707011, Se
10102J, Transm: NIK
Jim Creek, Wash, 18.6
KHz, 250 Kw, 48H12
121W55

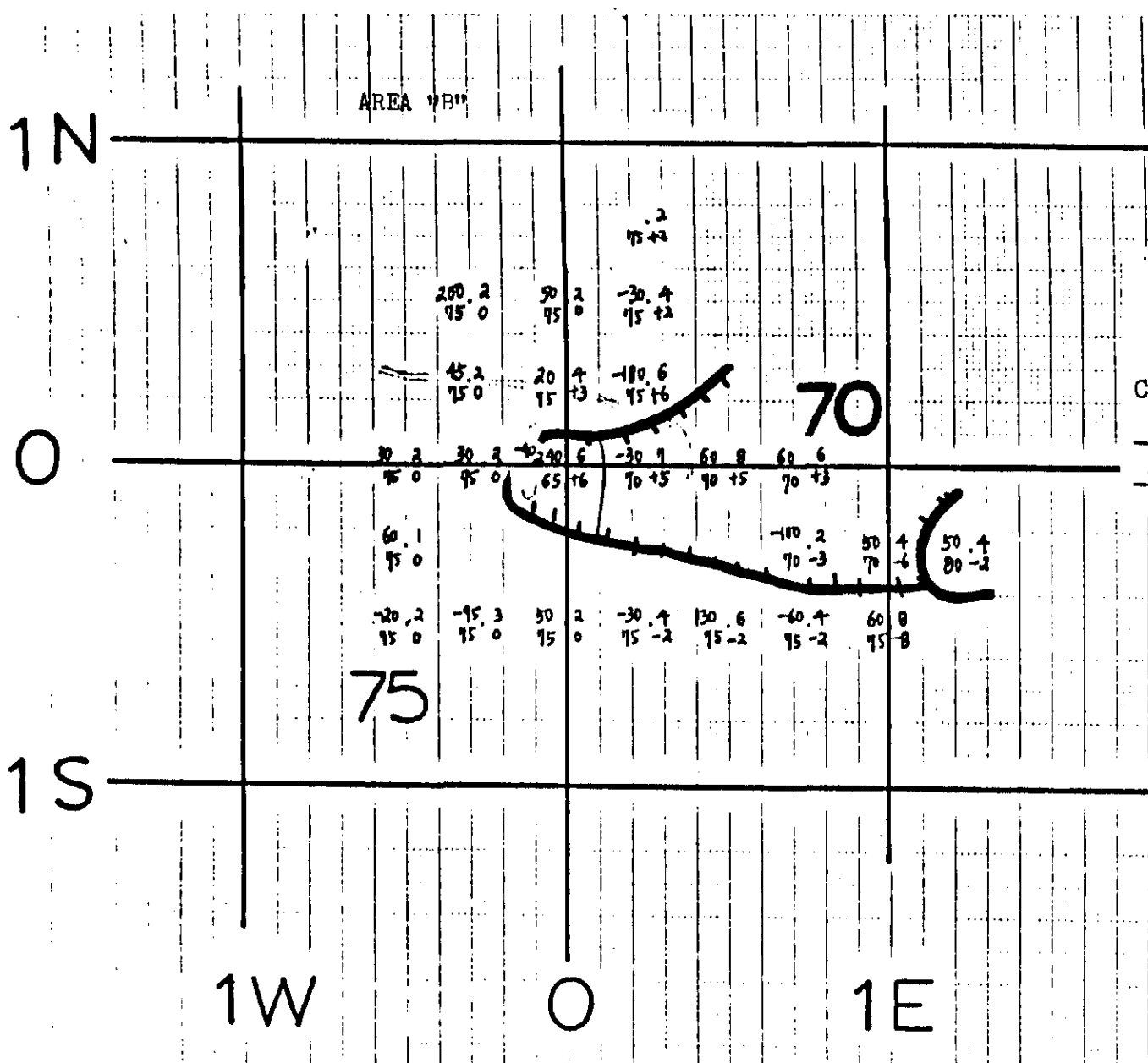
FOR LOCATION - SEE FIG: 6

NICOLA CLAIMS GROUP
NICOLA MINING DIVISION

EM GEOPHYSICAL SURVEY
VERTICAL FIELD - DIP ANGLE
AREAS B + C

Drwn: WMC
Scale: As Shown

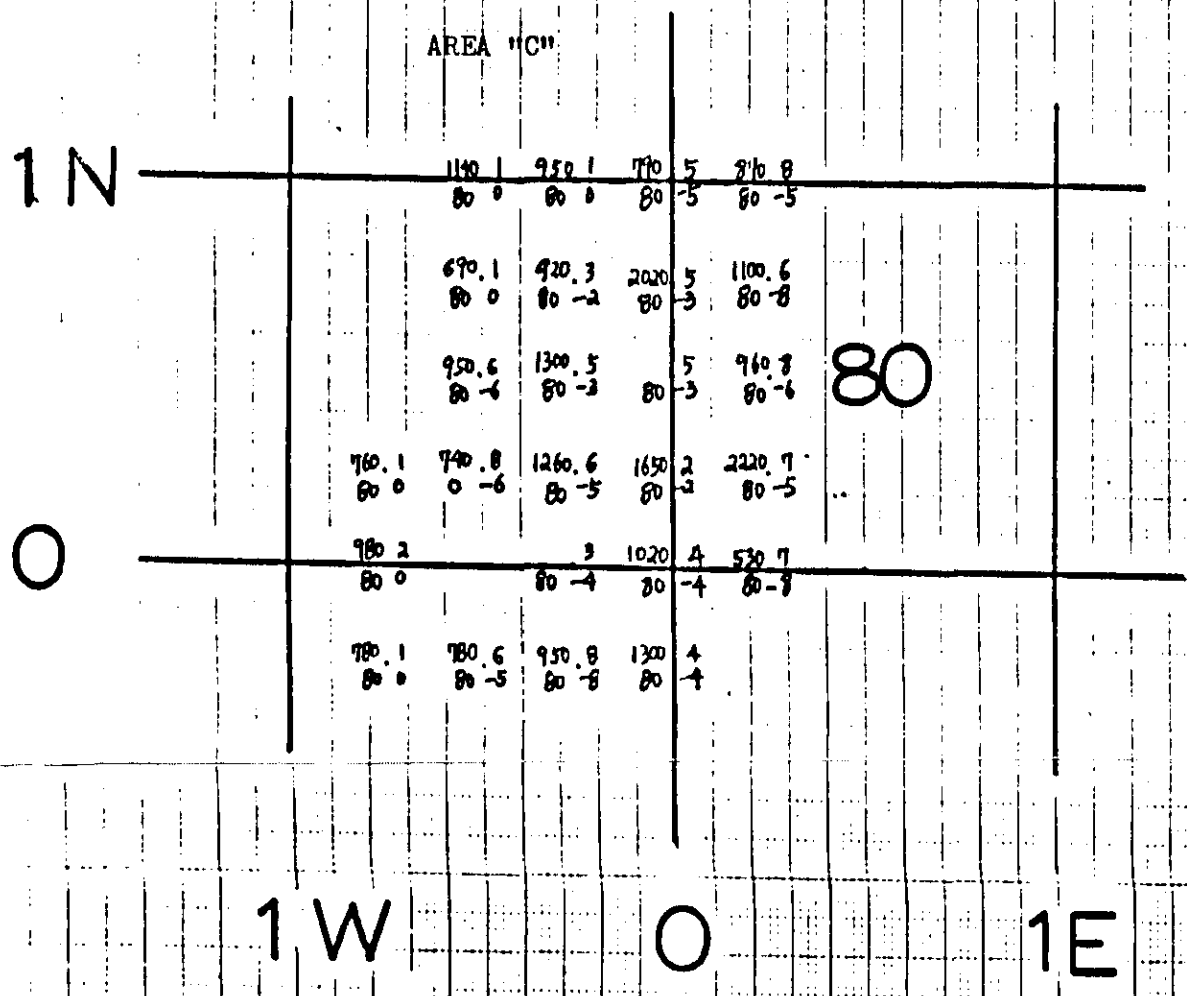
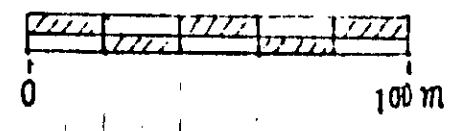
20 Oct 1983



EM SCINTREX VLF
 Apparent Compass Azimuth
 Contour Map
 Contour Interval 5
 Below 70
 Above 80



SCALE

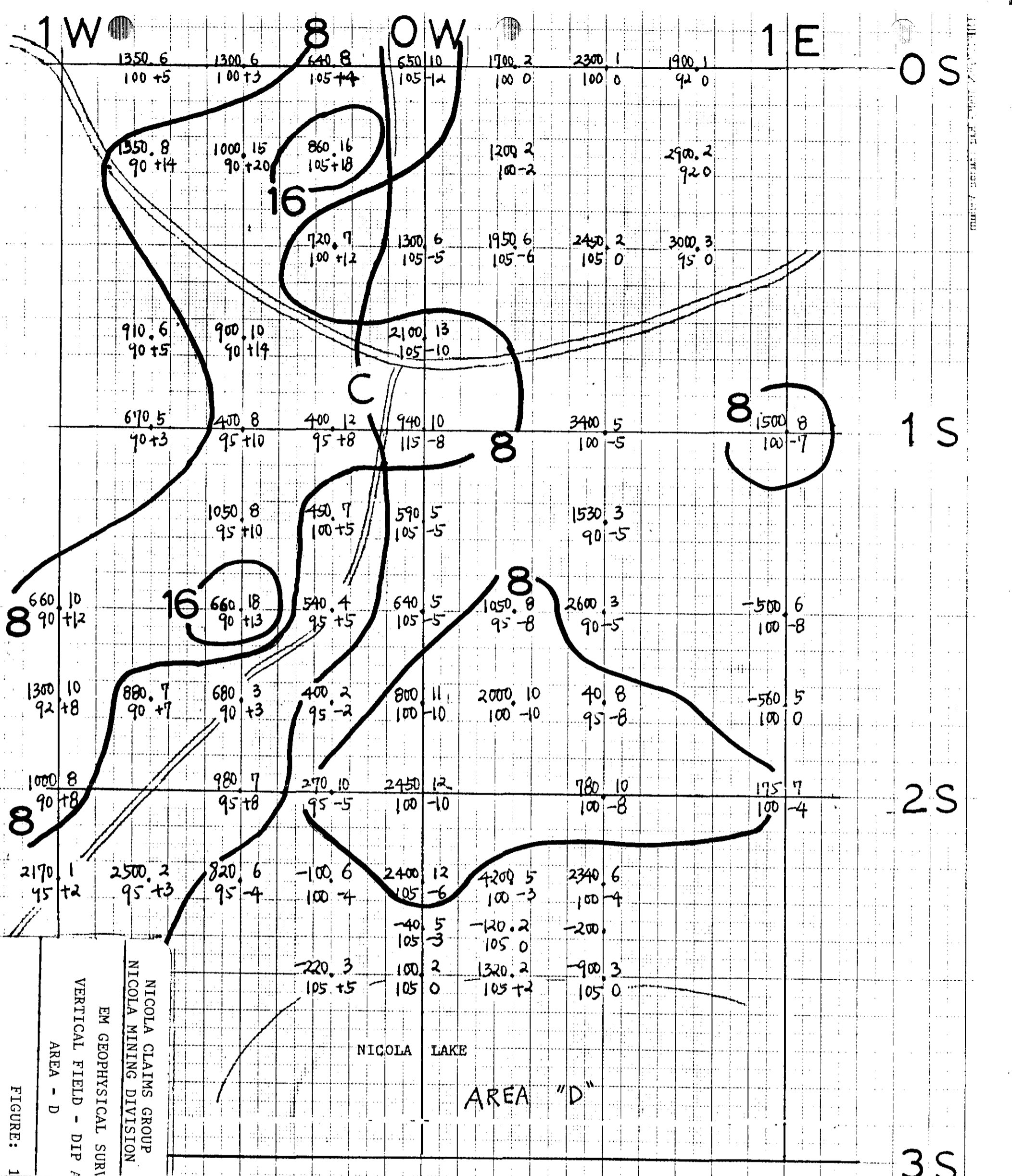


EM SCINTREX VLF
 Apparent Compass Azimuth
 Contour Map

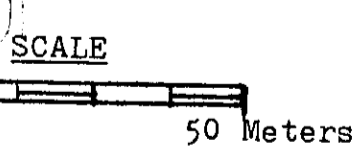
Magnetic VF
 860 | 7 - EM Vertical
 75 | 4 - Field
 Azimuth Dip Angle
 Magnetometer: Scintrex
 Fluxgate, No 753011,
 Ge 705203, MF-2/100
 EM VLF: Scintrex SEMO
 Sonpar, No 707011, Ge
 10102, Transm. NIK
 Jim Creek, Wash, 18.6
 KHz, 250 Kw, 48N12
 121W55

FOR LOCATION: SEE PTF: 6
 NICOLA CLAIMS GROUP
 NICOLA MINING DIVISION
 EM GEOPHYSICAL SURVEY
 APPARENT COMPASS MAP
 AREAS B - C
 Drwn: Vmc
 Scale: As Shown
 20 Oct 1983

FIGURE: 10



NICOLA CLAIMS GROUP
NICOLA MINING DIVISION
EM GEOPHYSICAL SURVEY
VERTICAL FIELD - DIP ANGLE
AREA - D



EM SCINTREX VLF
VERTICAL FIELD & DIP ANGLE

Vertical Field %
Dip Angle °

8 Vertical Field High, Above 8

C Real Crossover at change points from positive to negative signs toward East on East-West lines

T.N. ↑

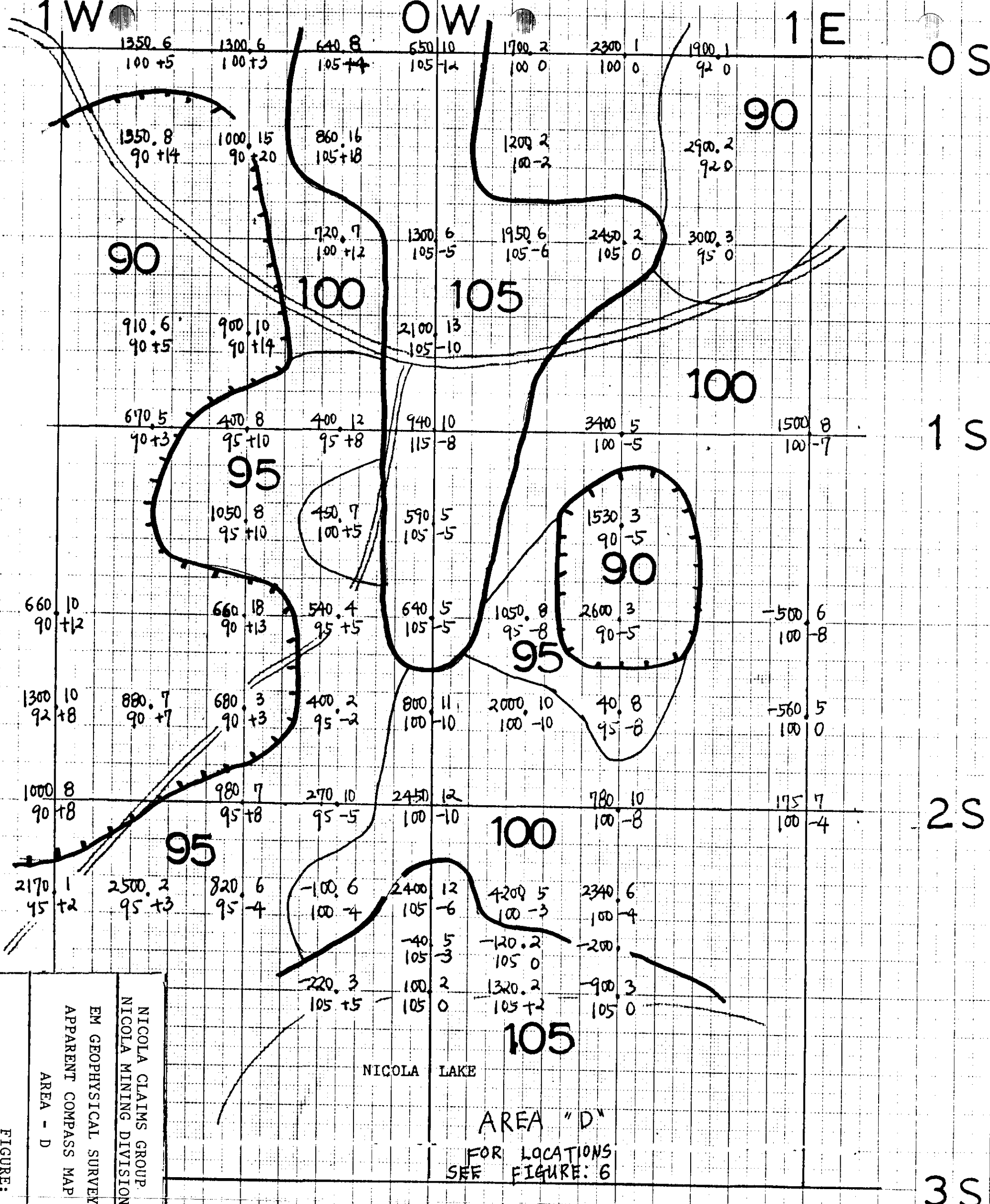
Magnetic Vertical Field γ
750.7
95.4
E.M. Vertical Field %
E.M. Dip Angle °
E.M. Apparent Comp. Azimuth °

Magnetometer: Scintrex Fluxgate, Mo. 753011, Se. 7605203, MF-2/100
EM VLF: Scintrex SE80 Scopas, Mo 707011, Se. 101023, Transmitter VLK Jim Creek, Wash. 18.6 KHz, 250 W, 48N12 121W55

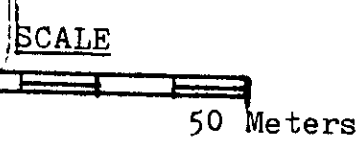
FOR AREA LOCATION
SEE FIG: 6

FIGURE: 11

FIGURE: 11



NICOLA CLAIMS GROUP
 NICOLA MINING DIVISION
 EM GEOPHYSICAL SURVEY
 APPARENT COMPASS MAP
 AREA - D



EM SCINTREX VLF
 Apparent Compass Azimuth
 Contour Map
 Contour Interval 5

Magnetic Vertical Field γ
 E.M. Vertical Field %
 E.M. Dip Angle
 E.M. Apparent Comp. Azimuth

Magnetometer: Scintrex Fluxgate, Mo. 753011, Se. 7605203, MF-2/100
 EM VLF: Scintrex SE80 Scopas, Mo 707011, Se. 101023, Transmitter
 JK Jim Creek, Wash. 18.6 KHz, 250 W, 48N12 121W55

FIGURE: 12

AREA 'A'

T.N.



MAGNETIC CONTOUR MAP

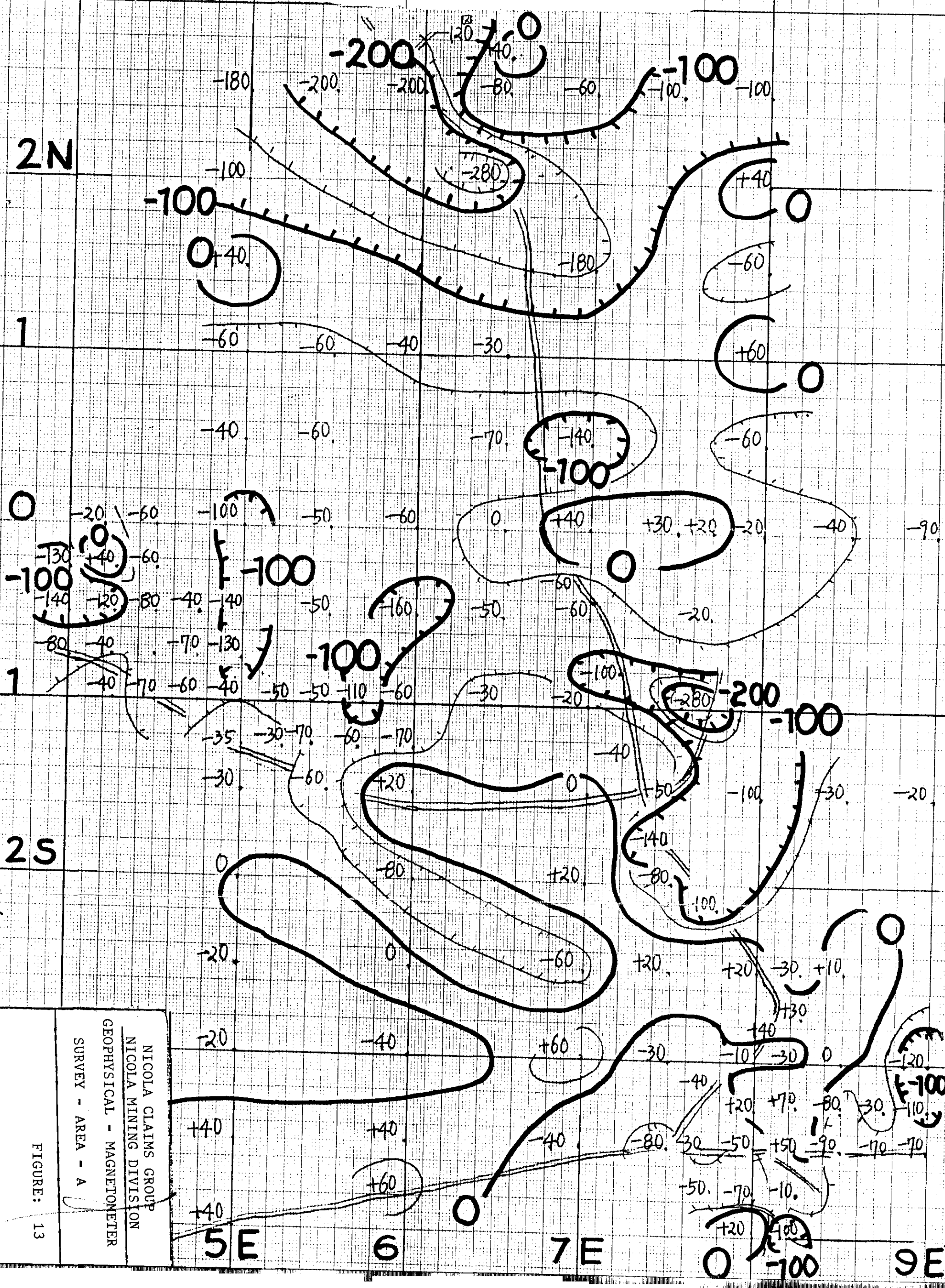
Note: FOR LOCATIONS
SEE FIG: 6

Magnetometer: Scintrex Fluxgate, Mo 707011
Se 7605203, MF-2/100

* Magnetic vertical field: Differences
referred to Stn 7+15 E 3+50 S set at -30
Gammas.

+40: Vertical Field in Gammas
Contour interval 50 Gammas

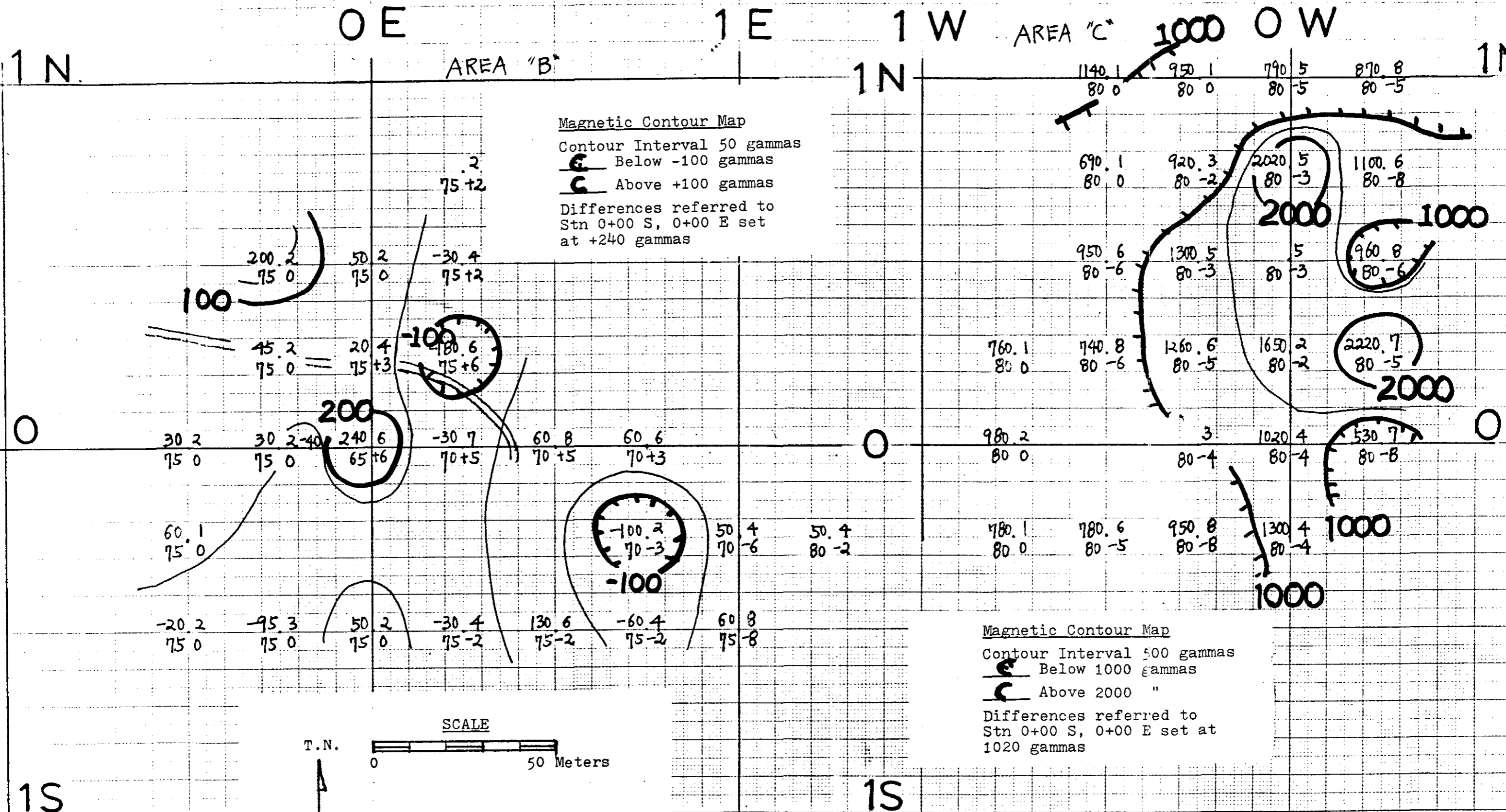
Magnetics High, Above
0 Gammas
 Magnetics Low, Below
-100 Gammas



NICOLA CLAIMS GROUP
NICOLA MINING DIVISION
GEOPHYSICAL - MAGNETOMETER
SURVEY - AREA - A

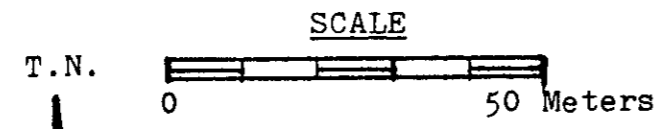
FIGURE: 13

DIPLOMA 100% FOR TARGET 7/10/10



Magnetic Contour Map
 Contour Interval 50 gammas
E Below -100 gammas
C Above +100 gammas
 Differences referred to
 Stn 0+00 S, 0+00 E set
 at +240 gammas

Magnetic Contour Map
 Contour Interval 500 gammas
E Below 1000 gammas
C Above 2000 "
 Differences referred to
 Stn 0+00 S, 0+00 E set at
 1020 gammas



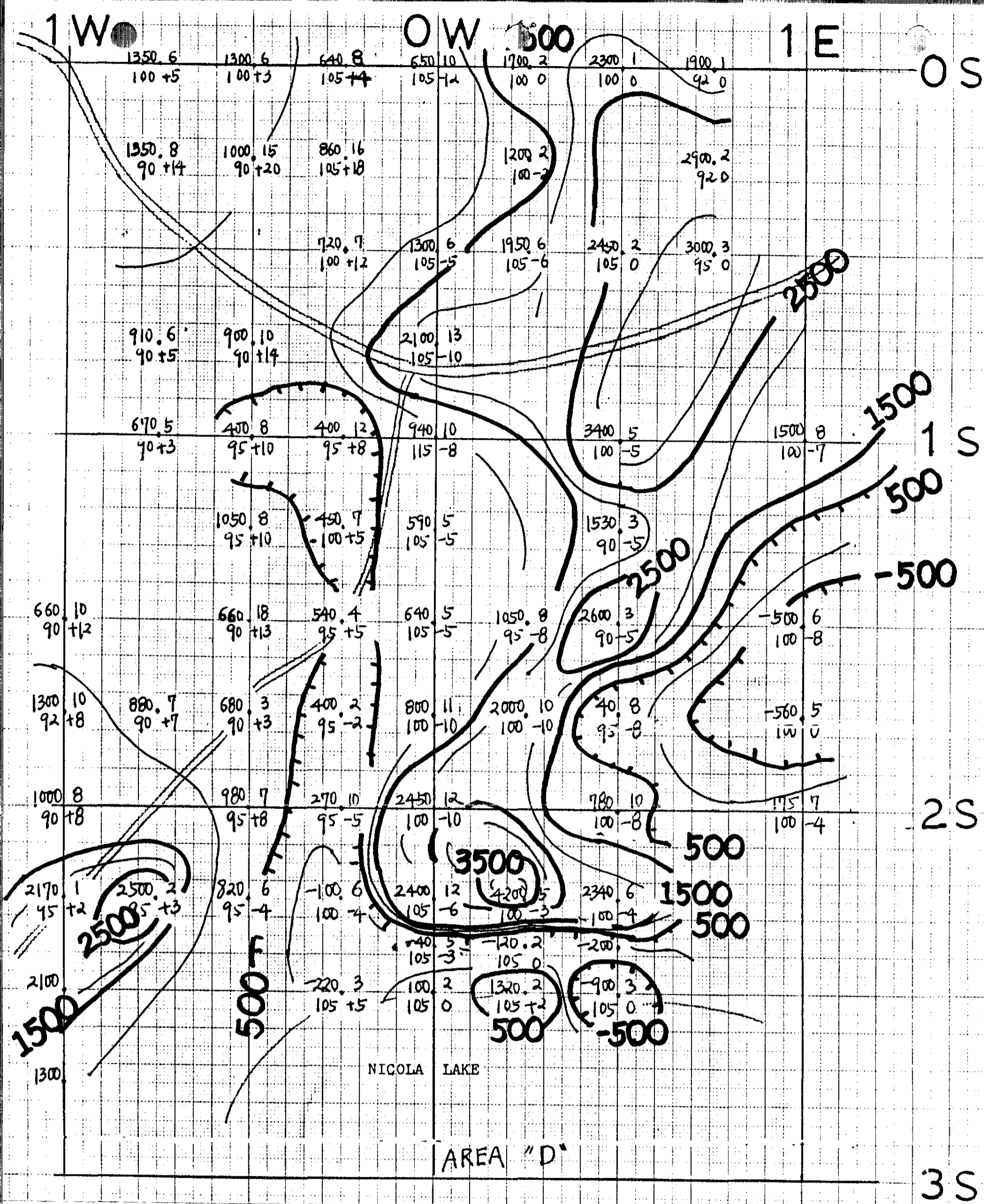
↖ Magnetic Vertical Field γ
 750 | 7 ← E.M. Vertical Field %
 95 | 4 ← E.M. Dip Angle °
 ↗ E.M. Apparent Comp. Azimuth °

Magnetometer: Scintrex Fluxgate, Mo.
 753011, Se. 7605203, MF-2/100
 EM VLF: Scintrex SE80 Scopas, Mo
 707011, Se. 101023, Transmitter
 NLK Jim Creek, Wash. 18.6 KHz, 250
 Kw, 48N12 121W55

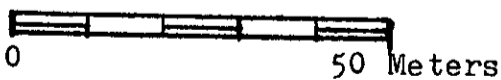
Note: FOR LOCATIONS
 SEE FIGURE: 6

NICOLA CLAIMS GROUP
 NICOLA MINING DIVISION
 GEOPHYSICAL - MAGNETOMETER
 SURVEY - AREAS B & C

20/10/83



SCALE



MAGNETIC CONTOUR MAP

Contour interval 500 Gammas
 1500 High, Above 1500 Gammas
 500 Low, Below 500 Gammas

Note: FOR LOCATIONS
 SEE FIG: 6

T.N.

Scale: As Shown
 Drwn: Wmc
 20/10/83

NICOLA LAKE CLAIMS GROUP
 NICOLA MINING DIVISION
 GEOPHYSICAL - MAGNETOMETER
 SURVEY - AREA - D

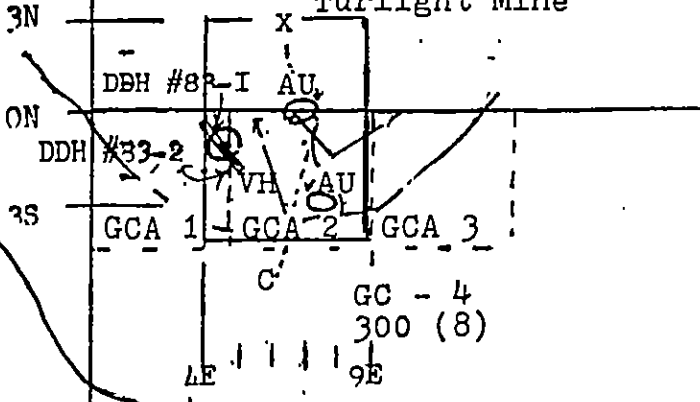
Magnetic Field Y
 Magnetic Field %
 Dip Angle °
 True Comp. Azimuth °
 Fluxgate, Mo.
 MF-2/100
 Scopas, Mo
 Transmitter
 18.6 KHz, 250
 Units: Differences
 1+00 S set at

STAR - 100
DANSTAR

MIKE GROUP
NALOS

AREA "A"

Turlight Mine

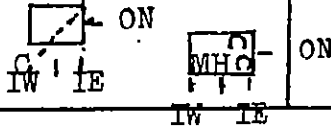


GEOPHYSICAL - GEOCHEMICAL ANOMALIES

- C / EMVLF REAL CROSSOVER
 - VH) EM VERTICAL FIELD HIGH ABOVE 10%
 - MH) MAGNETICS, HIGH ABOVE 2000 g
 - ML) MAGNETICS LOW- BELOW 500 g
 - AU) GEOCHEMICAL - GOLD HIGH ABOVE 80 PPB
- NOTE FOR LOCATIONS
SEE FIGURE: 6

GC - 2 298 (8)	GC - 1 75 (2)	GC - 3 299 (8)
-------------------	------------------	-------------------

AREA "B" AREA "C"

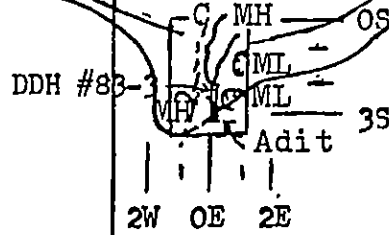


GC - 5 1200 (11)

GC - 6 1306 (11)

CERVO - 1 1213 (12)

AREA "D"



NICOLA LAKE

T.N.

SCALE

0 500 1000 Meter

NICOLA LAKE CLAIMS GROUP
NICOLA MINING DIVISION

ANOMALOUS ZONES
GEOPHYSICAL - GEOCHEMICAL

Drwn: WmC 20/10/83
Scale: As Shown

FIGURE: 20