

670995

N. B. C. SYNDICATE
ANNUAL &
EXPLORATION REPORT
1970

by: J.C. Stephen

November 18, 1970.

January 15th, 1971.

The Parties,
N.B.C. Syndicate.

Gentlemen:

In 1970 the N.B.C. Syndicate completed its general program of prospecting. For the third year work was concentrated in the southern Oninaca.

Work was undertaken on the Twin and III groups as part of the general program. Work on the Jean group was carried forward as Specific Project Jean; further interpretation of aeromagnetic maps and prospecting resulted in the discovery of copper-molybdenum mineralization immediately west of the Jean property. Extensive staking was done in this area which became known as the Jean West property and subsequently as Specific Project Jean West.

Three holes were diamond drilled on Jean and two on Jean West. Although only minor amounts of copper and molybdenum were encountered, the general feeling of all Parties was favourable to further work. It is now intended that a winter drilling program be undertaken for which the amount of \$80,000 has been budgeted. With respect to hole locations, all Parties have expressed their opinions and 10 holes have been spotted with due regard to the components of the large copper (soil) anomaly on Jean West. Starting date for this program will be early in 1971 and depend largely on the weather.

In addition, a \$30,000 summer exploration program is planned for the combined properties which henceforth will be known simply as Jean. This work, which will consist of further prospecting of the intrusive stock, soil sampling and some geophysics, has been ratified by all Parties.

Minor summer programs have been approved for the Twin and HI properties. In the case of Twin, \$7,500 will be spent on IP in the area of the geochemical anomaly. With regard to HI, \$10,000 is to be allotted for bulldozer trenching; this presumes availability of a suitable machine.

It has been agreed that Bacon & Crowhurst Ltd. will manage these 1971 projects at a fee of \$2,000 per month which will include supplying an experienced staff member to organize the work.

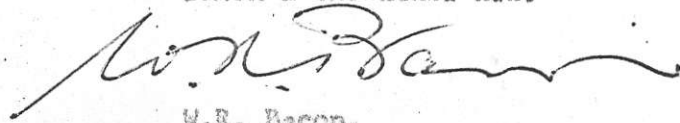
Arrangements were made to sell HI claims 1-10, 27-30 to adjoining Tchentlo Lake Mines Ltd. for 200,000 vendor shares in this company. Confirmation of this deal should be forthcoming shortly. The stock certificates will be in the name of the Parties and individuals concerned, but held in escrow for the present.

Financial statements for the general program, Specific Project Jean and Specific Project Jean West are included in this Annual Report as is the current Register of Claims.

The 1970 Exploration Report has been prepared by Field Superintendent J.C. Stephen in his usual efficient manner.

Respectfully submitted,

BACON & CROWHURST LTD.



W.R. Bacon,
Manager - N.B.C. Syndicate

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N.B.C. SYNDICATE
FINANCIAL REPORT
GENERAL PROGRAM 1970

<u>Account</u>	Fourth Quarter Oct. 1st - <u>Dec. 31, 1970</u>	<u>Totals 1970</u>
Petty Cash (advances to field crew)	(460.00)	(252.21)
Machinery & Equipment	(529.44)	(387.69)
Automotive Equipment	(500.00)	(500.00)
Accounts Payable	-	1,000.00
Employee Payroll Deductions	(92.40)	-
Purchases - Sundry	(81.15)	346.16
✓ Purchases - Food	144.11	3,987.75-
Purchases - Maps & Photos	2.00	536.59-
✓ Assessment Recording	30.00	1,197.00-
✓ Claim Recording	225.00	426.00-
Assays	-	244.06-
Sub-Contracts	60.00	5,064.06-
✓ Geochemical	-	4,687.29-
Casual Labour	-	140.00-
Holiday Pay	85.50	861.83-
Workmen's Compensation	691.27	1,674.04-
Unemployment Insurance	(6.06)	184.36-
C.P.R. Expense	21.75	401.31-
✓ Tools & Supplies	(138.05)	1,905.36-
Blueprinting & Drafting Supplies	183.79	578.24
Rent & Power	218.76	601.84
Equipment Rental	10.00	631.91-
✓ Aircraft Rental	64.00	12,511.00-
Repairs - Equipment	-	798.95-
Fuel & Lubricants	103.64	822.90-
Vehicle Operating Costs	3.68	455.84-
✓ Travel Expense	666.31	3,711.22-✓
✓ Salaries	3,269.00	35,784.02-✓
Printing & Stationery	(4.95)	-
✓ Office Expense	525.32	5,275.32-✓
Telephone, Express, Postage, Cartage, etc.	152.64	480.27
Insurance	-	1,015.00
✓ Management Fee	1,506.67	15,756.67-✓
Interest & Bank Charges	1.00	2.35
Miscellaneous	<u>121.50</u>	<u>455.02</u>
TOTAL EXPENDITURES	\$6,274.08	\$100,447.48
Plus Bank Balance Dec. 31, 1970		209.52
Less Bank Balance Dec. 31, 1969		<u>657.00</u>
TOTAL CONTRIBUTIONS 1970		\$100,000.00

N. B. C. SYNDICATE
FINANCIAL REPORT

SPECIFIC PROJECT JEAN

<u>Account</u>	<u>October 1st - Dec. 31, 1970</u>	<u>Totals 1970</u>
Purchases - Sundry	(24.52)	-
Purchases - Food	-	2,264.48
Purchases - Maps & Photos	-	142.03
Claim Recording	-	120.00
Assays	-	429.00
Sub-Contracts	-	11,854.44
Casual Labour	-	720.00
Holiday Pay	-	130.66
Workmen's Compensation	-	130.66
Unemployment Insurance	-	15.48
C.P.F. Expense	-	45.55
Tools & Supplies	-	1,688.20
Blueprinting, & Drafting Supplies	-	32.04
Rent	-	23.15
Equipment Rental	-	175.00
Aircraft Rental	-	7,258.67
Repairs - Equipment	-	87.19
Fuel & Lubricants	-	4.80
Travel Expense	-	410.83
Salaries	-	3,266.46
Office Expense	-	250.00
Telephone, Express, Postage, Cartage, etc.	-	122.74
Management Fee	50.76	800.76
Interest & Bank charges	<u>2.69</u>	<u>3.69</u>
TOTAL EXPENDITURES	\$28.93	\$29,975.83
Plus Bank Balance December 31st, 1970		<u>\$11</u>
TOTAL CONTRIBUTIONS		\$29,975.83

N.B.C. SYNDICATE
FINANCIAL REPORT

SPECIFIC PROJECT JEAN WEST

<u>Account</u>	<u>October 1st - Dec. 31, 1970</u>	<u>Totals 1970</u>
Purchases - Sundry	62.57	-
Purchases - Food	-	769.65
Purchases - Maps & Photos	135.00	176.88
Assays	-	804.00
Sub-Contracts	(80.87)	6,697.70
Geochemical	440.00	473.84
Casual Labour	-	39.00
C.P.P. Expense	7.05	7.05
Tools & Supplies	-	608.66
Blueprinting, & Drafting Supplies	98.46	113.60
Equipment Rental	19.50	463.75
Aircraft Rental	814.00	3,958.01
Repairs - Equipment	-	6.75
Fuel & Lubricants	-	15.31
Travel Expense	76.30	278.82
Salaries	764.00	764.00
Office Expense	1,000.00	1,000.00
Telephone, Express, Postage, Cartage, etc.	325.50	629.76
Management Fee	2,942.57	2,942.57
Bank Charges	-	1.00
Miscellaneous	32.00	32.00
TOTAL EXPENDITURES	\$6,636.08	\$19,784.36
Plus Bank Balance Dec. 31, 1970		<u>176.25</u>
TOTAL CONTRIBUTIONS 1970		\$19,960.61

REGISTER OF CLAIMS

<u>GROUP</u>	<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>RECORD DATE</u>	<u>EXPIRES</u>
Jean	Jean 1-14	71290 - 303	April 15/69	April 15/71 *
	17-23	712306 - 312	"	" "
	24-26	712313 - 315	"	April 15/72
	27-37	79094 - 104	Aug. 4/69	Aug. 4/72
	38	79105	"	Aug. 4/71 *
	39	79106	"	Aug. 4/72
	40	79107	"	Aug. 4/71 *
	41	79108	"	Aug. 4/72
	42	79109	"	Aug. 4/71 *
	43	79110	"	Aug. 4/72
	44	79111	"	Aug. 4/71 *
	45 Fr., 46 Fr.	79218, 219	Aug. 18/69	Aug. 18/72
	47-122	79873 - 948	Sept. 4/69	Sept. 4/71 *
	123-128	91048 - 053	July 28/70	July 28/71 *

* To be covered by work done during 1970 and early 1971. Grouping Notice dated March 5, 1970, prevents immediate regrouping.

JW	JW 1-128	89034 - 89061	June 24/70	June 24/71
	129 Fr. - 134 Fr.	89062 - 89067	June 26/70	June 26/71
	134-143	89068 - 89077	"	"
	144 Fr., 145 Fr.	91054, 91055	June 28/70	June 28/71

Work done during 1970 and that to be done early in 1971 to be grouped with Jean claims after March 5, 1970.

Fax	Fax 3-7	63813 - 817	Oct. 11/68	Oct. 11/71
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HI	HI 1	63622	Sept. 16/68	Sept. 16/71
	2	623	"	Sept. 16/73
	3	624	"	Sept. 16/71
	4	625	"	Sept. 16/73
	5	626	"	Sept. 16/71
	6	627	"	Sept. 16/73
	7	628	"	Sept. 16/71
	8	629	"	Sept. 16/73
	9	630	"	Sept. 16/71
	10	631	"	Sept. 16/72
	11-15	63832-835	Oct. 11/68	Oct. 11/71
	16	63836	"	Oct. 11/72
	17	837	"	Oct. 11/71
	18	838	"	Oct. 11/72
	19	839	"	Oct. 11/71
	20	840	"	Oct. 11/72
	21-26	63841-846	"	Oct. 11/71

<u>GROUP</u>	<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>RECORD DATE</u>	<u>EXPIRES</u>
HI	HI 27-30	63983-986	Oct. 21/68	Oct. 21/71
	100-125	76048-76073	June 17/69	June 17/72
	126-147	76074-76095	June 17/69	June 17/71
	148-155	75869-75876	July 7/69	July 7/71
	201-208	75881-75868	"	"
	31 Fr., 32 Fr.	87263, 87264	April 6/70	April 6/72
Twin	Twin 1-8	79142-149	Aug. 7/69	Aug. 7/72
	9	79150	"	Aug. 7/71
	10	151	"	Aug. 7/72
	11	152	"	Aug. 7/71
	12	153	"	Aug. 7/72
	13	154	"	Aug. 7/71
	14	155	"	Aug. 7/72
	15	156	"	Aug. 7/71
	16	157	"	Aug. 7/72
	18, 27, 29	79159, 168, 170	"	Aug. 7/71
	31	79172	"	Aug. 7/72
	33, 35, 37, 38	79174, 176, 178, 179	"	Aug. 7/71
	43,44	79184, 185	"	"
	Hat	Hat 5-10	61019-024	July 4/68
27, 29, 30, 31		61041, 43, 44, 45	"	"
TP	TP 7-12	45966-971	June 26/68	June 26/71
	37-50	48834-847	March 5/69	March 5/71

No further work is planned for the Hat and TP claim groups. These claims will be allowed to lapse.

N.B.C. SYNDICATE
EXPLORATION REPORT 1970

by
J.C. STEPHEN

Vancouver, B.C.

November 18th, 1970.

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Figures are mounted as pages through the text of this report. All plates are placed in the folder accompanying this report.

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SUMMARY AND CONCLUSIONS

During 1970 the N.B.C. Syndicate carried out additional prospecting in the southern Omineca area and performed more detailed work on the previously staked Jean, HI and Twin claim groups.

Further interpretation of aeromagnetic maps and of 1969 prospecting results on the Jean group led to discovery of low grade copper and molybdenum occurrences to the west and this area was staked as the JW claim group.

INTRODUCTION

Figure I is an index map showing location of areas which received attention during 1970.

Geochemistry and outcrop examination were the more important prospecting tools although prospecting targets were chosen on the basis of aeromagnetics where this type of information was available.

A more detailed IP survey was done over the main anomaly on the Jean claim group. Some limited IP work was also done on the JW claim group.

Diamond drilling was carried out on both the Jean and JW claim groups as Specific Projects.

Following are brief resumes of results obtained in each area.

JEAN SPECIFIC PROJECT
(Plates I, III, IV, V)

Prospecting was conducted in the southeast portion of the claim group but no significant finds were made.

Additional linecutting was done to more adequately cover the main anomalous area found in 1969. In addition, the 28N base line was extended west to the JW group. The 56N base line was extended east to the anomalous areas in the northeast portion of the property.

Soil sampling was done at 100 foot intervals over the main anomalous area where diamond drilling was proposed. Soil sampling was also done on a 400' x 200' grid west to the JW group and east to anomalous conditions indicated by the southeast area prospecting.

Some sampling was also done north of the camp area from 56N base line to find the east limit of anomalous areas indicated in 1969. Results of this geochemical work are plotted on Plate I.

A magnetometer survey was conducted over the main anomalous area, Figure II, and an IP survey was carried out by McPhar Geophysics over this same area on lines 400' apart. IP effects were weak. Examination of core indicates mineralization is likely to be associated with areas of low magnetism.

A Longyear 24 drill operated by Coates Enterprises was moved in by barge and helicopter and drilled three holes. Diamond drill logs and assay results are included in this report as Appendix A.

Geological mapping resulted in very little additional information. Outcrop areas are incorporated on Plates I and III.

JEAN WEST AREA

The western extension of the granitic intrusive found on the Jean claim group was interpreted from aeromagnetic maps. Prospecting confirmed similar granitic rocks with outcrop exposed about 0.4% of the interpreted area of the intrusive body. See Plate III.

Chalcopyrite and molybdenite mineralization is present in small but appreciable amounts in probably half of the granitic outcrops found. In addition, mineralization has been found in one area of volcanics near the contact.

Soil sampling was conducted along the south contact on a 400' x 200' spacing. A large and intense copper molybdenum anomaly was outlined. See Plate II. A smaller anomaly is present in the vicinity of the mineralized volcanics.

No anomaly has been indicated, and insufficient work has been done, in the vicinity of mineralized outcrops present in the main creek near the southwest corner of the claim group.

A soil sample grid with spacing of 800' x 200' along the north boundary of the intrusive gave no appreciable anomalies.

There are several areas which still warrant soil sampling.

The 28N base line on the Jean group was extended west into the JW claim group. Five lines were cut in the central portion of the geochemical anomaly and an IP survey was carried out by McPhar Geophysics on these lines. Although anomalous conditions appear to be present, the intensity of these anomalies is very low.

On the basis of the prospecting-geochemical results, the JW claim group was placed under a Specific Project, Jean West (See below).

JEAN WEST SPECIFIC PROJECT

The diamond drill was moved from the Jean group to the JW group August 21. Two holes were attempted near the south extremity of the geochemical anomaly where overburden was light and where preliminary IP results appeared to be strongest.

The first hole encountered faulting and fairly extensive caving but was successful in getting down to 301 feet. The second hole was abandoned at 166 feet due to seizing of the rods in the hole apparently because of caving. No further progress could be made in spite of several attempts. Work ceased September 2nd and the drill was flown out to Chuchi Lake September 4th.

Drill logs and assays are included in Appendix B.

JEAN MARIE CREEK
(Plate III)

The aeromagnetic maps indicate the intrusive underlying the Jean claim group probably extends farther to the east and northeast.

No outcrop or evidence of mineralization was found to the east. Overburden is extensive and deep.

To the northeast no significant mineralization was seen but granitic intrusives of small size were found and the intruded rocks are reported to show alteration to hornfels.

Geochemical results indicate anomalous levels of molybdenum over a wide area. The area warrants staking and intensive prospecting.

JEAN SOUTH AREA
(Plate VI)

Because geochemical anomalies on the Jean and JW claims appear to favour areas of relatively high magnetism within the intrusive a prospecting program was conducted to investigate magnetic anomalies south of these claim groups.

A series of sediments ranging from conglomerate to argillite was found grading north into a predominantly volcanic sequence.

Some pyrite and rare occurrences of chalcopyrite were found. Prospecting, silt and soil sampling results however indicate no appreciable mineralization is present. The magnetic anomalies appear to be due to low concentrations of magnetite in sediments.

FAR CLAIM GROUP

Cyprus Exploration conducted fairly extensive work on claims optioned from Westcoast Exploration south of Tchentlo and Chuchi Lakes. A four wheel drive road was constructed west from Chuchi Lake and where this road crossed or approached the Far group, N.B.C. Syndicate contributed \$500 toward construction costs. This was recorded as assessment work to hold five claims.

INDATA LAKE
(Plate VII)

The intrusives on the west side of Indata Lake were examined to compare them with those in the area of the HI group.

The portion of the intrusive prospected consists mainly of gabbro and diorite with granite in the southwest corner of the area examined.

Minor pyrite was observed. Silt sample results are generally low. No indication of economic mineralization was seen.

HI CLAIM GROUP
(Plates IX, X, XI, XII)

A program of linecutting, magnetometer and EM surveying, soil sampling and geological mapping was conducted over the larger part of the HI claim group.

This program mapped the general geologic structure of the area. One coincident EM, geochemical anomaly 800 feet in length was indicated and warrants trenching or drilling to determine its cause.

A low intensity geochemical anomaly is outlined by soil sampling on an 800' x 200' grid. This anomaly is approximately 4000 feet in length.

Diorite fragments, mineralized with disseminated chalcopryrite and pyrite, were found near the southeast limit of the anomaly. Further exploration is warranted; trenching is suggested.

No research has been done on soil conditions on these claims but it is apparent that dispersion of copper ions is extremely limited. This may be caused by a more basic soil condition due to limestone to the northwest of the anomalous areas.

Location of proposed trenching is indicated on Plate XII, Geochemical Survey.

TCHENTLO LAKE - KLAWLI LAKE AREA
(Plates VI, VII)

Prospecting north of Tchentlo Lake investigated the strong positive aeromagnetic anomaly on the south slope of Mt. Nation, the magnetic low to the southeast, and the region north and east of the Luc claim group.

The positive anomaly is due to dioritic intrusive rocks similar to those on the HI claim group. Some minor indications of copper were found and a soil anomaly was indicated. Results were not sufficiently encouraging to continue work.

The aeromagnetic low is probably underlain by a more acid intrusive of later age. Prospectors report granite and rhyolite along the northwest side of this area but exploration over the area is particularly difficult due to heavy overburden and swamp. No economic mineralization was found.

The Luc claim group was re-examined and the geological, soil sample, and magnetometer results are shown on Figure II and Plates XIII, XIV. Minor copper mineralization appears to be confined to the volcanics.

Prospecting north and east of the Luc group gave no further encouragement.

NORTH VALLEAU CREEK
(Plates VII, VIII)

During 1969, limited prospecting indicated a dioritic intrusive body east of the main Hogem batholith. Prospecting during 1970 served to more fully outline this stock. Copper mineralization of a minor nature was encountered in several places but insufficient evidence was found to warrant immediate follow-up work.

Compilation of geochemical and prospecting results indicate the presence of pyrite and hydrothermal alteration, and may warrant further prospecting.

TWIN CLAIM GROUP
(Plates XV, Figure III)

The soil sample grid was extended east and west of the area tested in 1969. Anomalous conditions occur in and north of the Twin Creek valley with an overall length of some 7000 feet. Figure III.

Comparison of these anomalies with the geological map indicates a very low percentage of outcrop. The area should be investigated further by geophysical means.


Only very limited additional geological information was added to the 1969 geology map. Several areas would warrant mapping in conjunction with any further work on the property but these areas are some distance from the anomalies.

OMINECA - OSILINKA AREA
(Plate VIII)

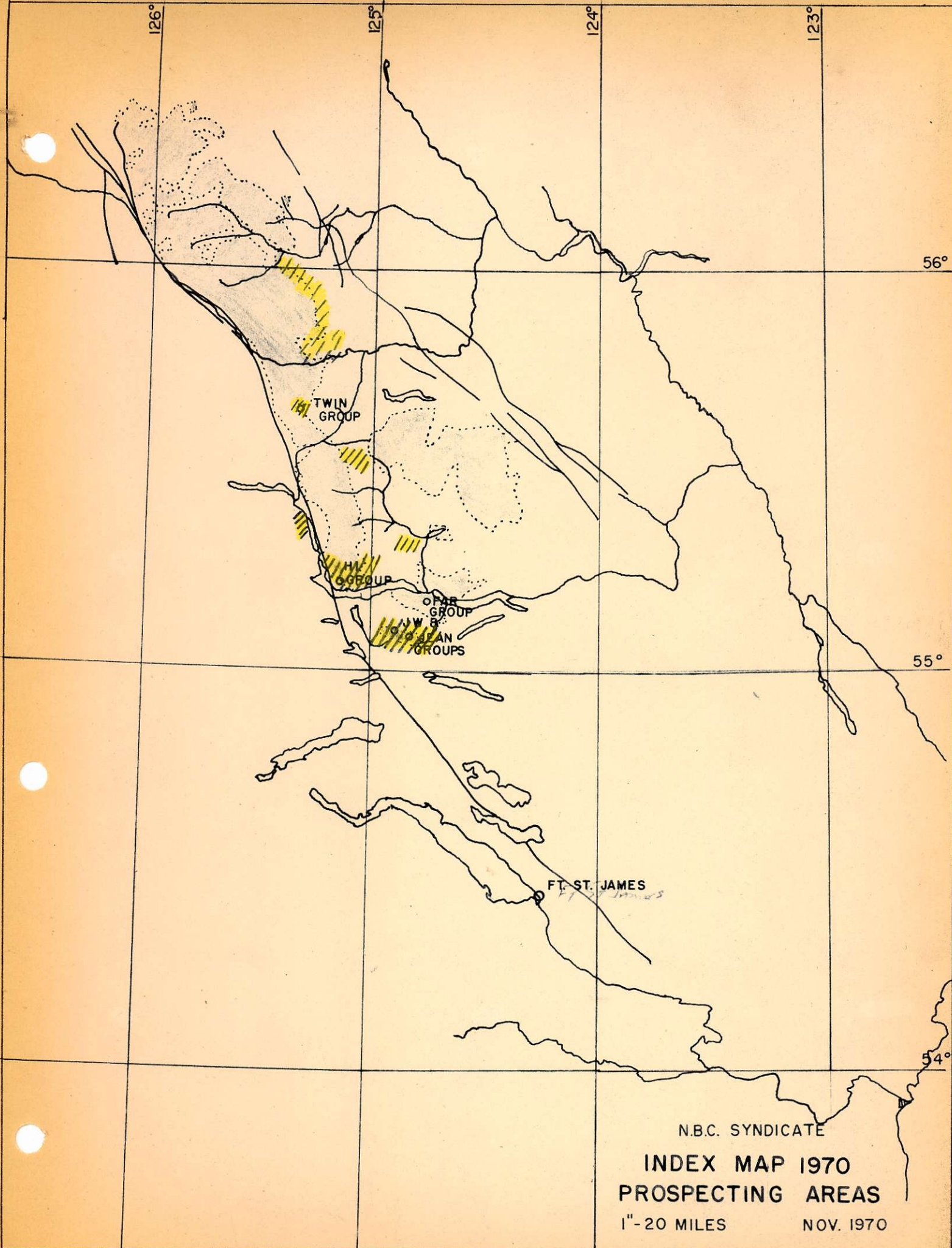
Prospecting was conducted without benefit of air support along the east margin of the Hogem batholith. Several creeks gave anomalous silt results and would normally warrant follow-up work. Widespread staking by other companies and evidence of previous exploration discouraged work at this time but the region is considered favourable both within the intrusives and in the intruded sediments and volcanics.

Respectfully submitted,

N.B.C. SYNDICATE

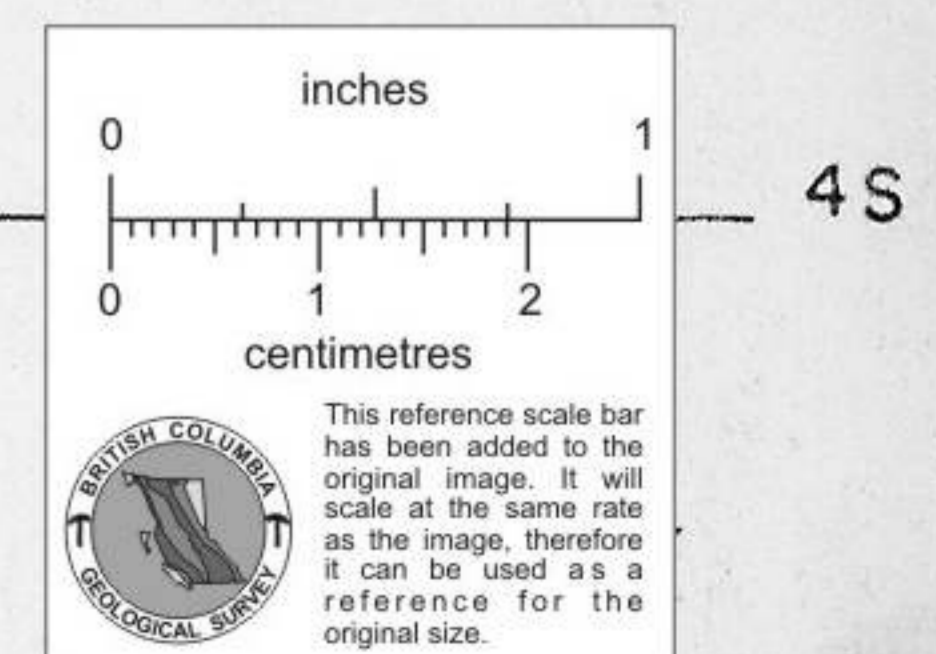
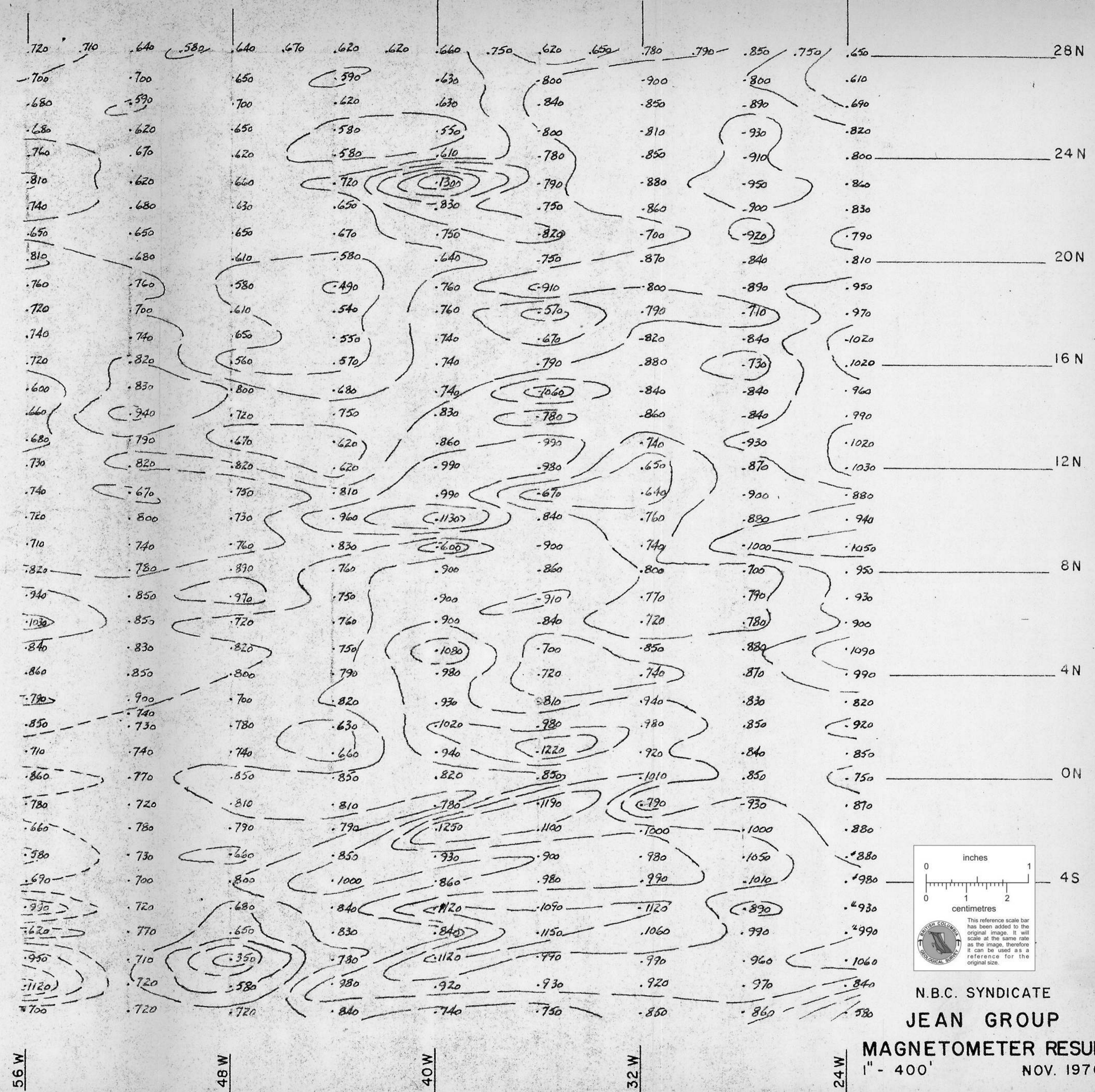
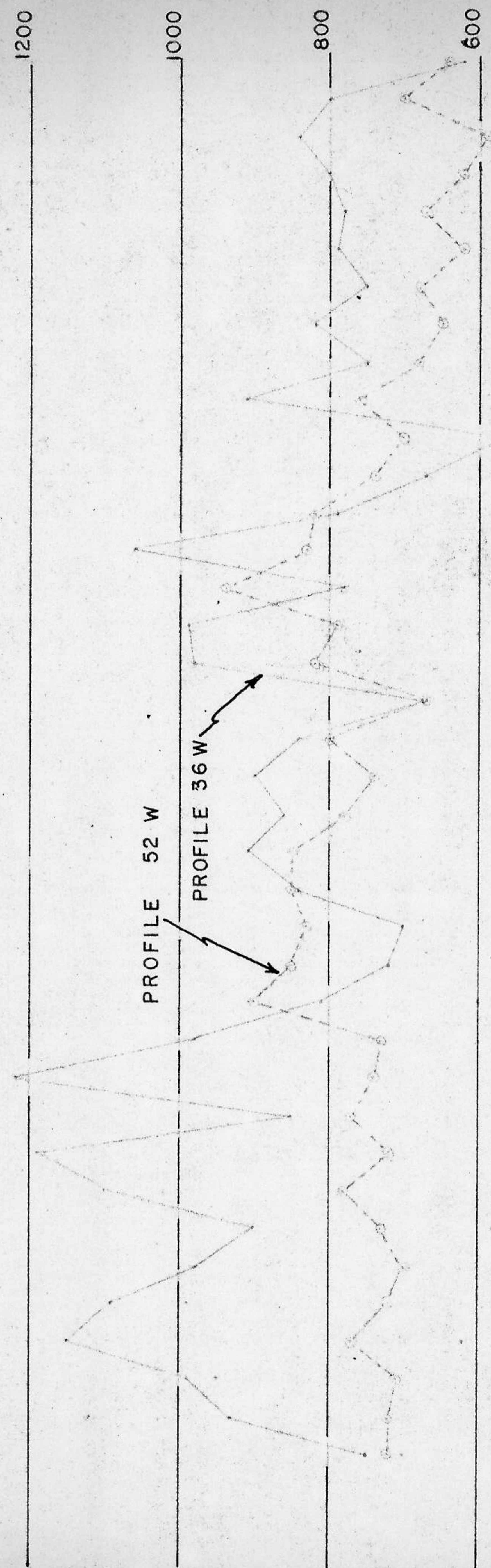


J.C. Stephen



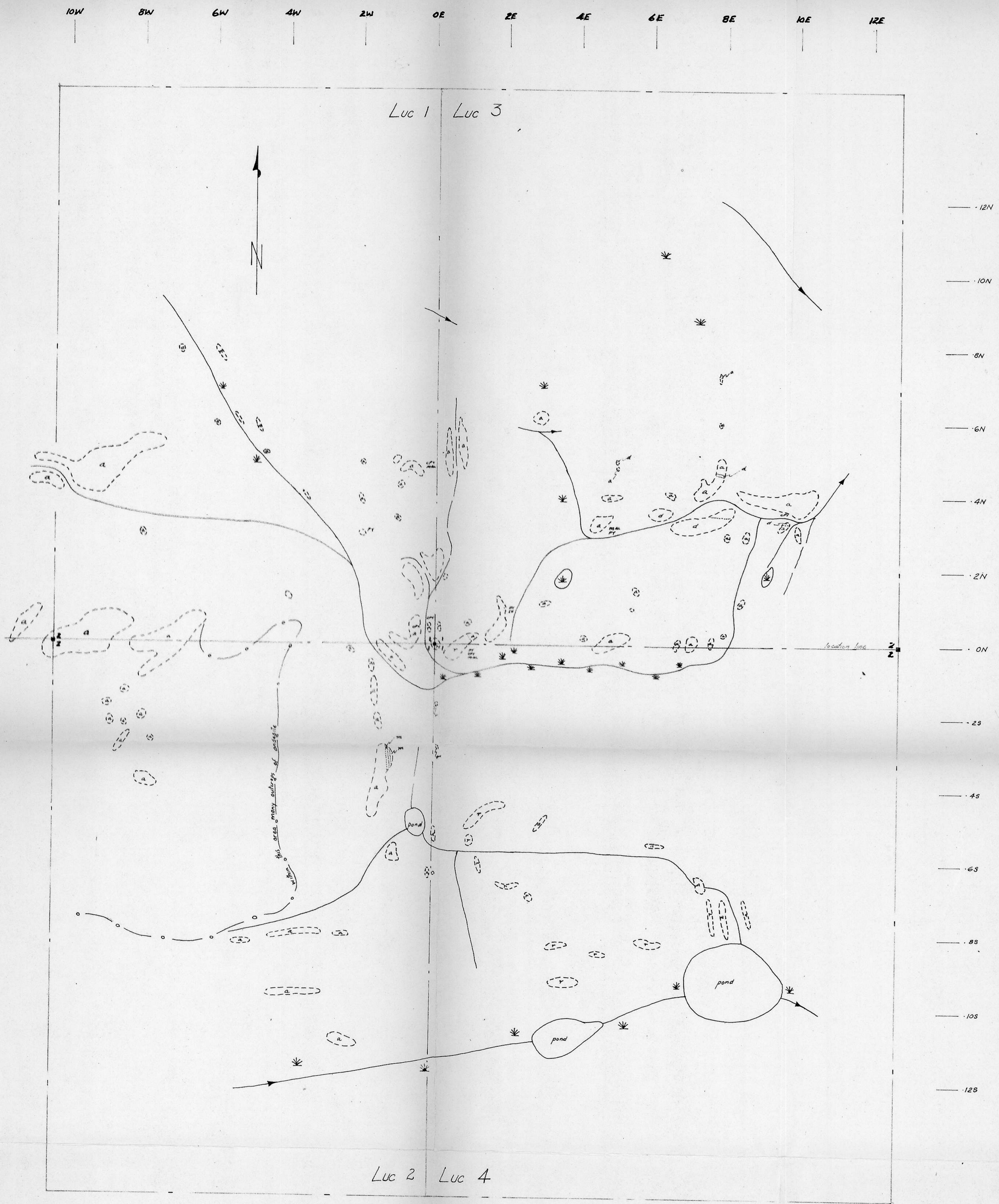
N.B.C. SYNDICATE
INDEX MAP 1970
PROSPECTING AREAS
1"-20 MILES NOV. 1970

FIGURE 1



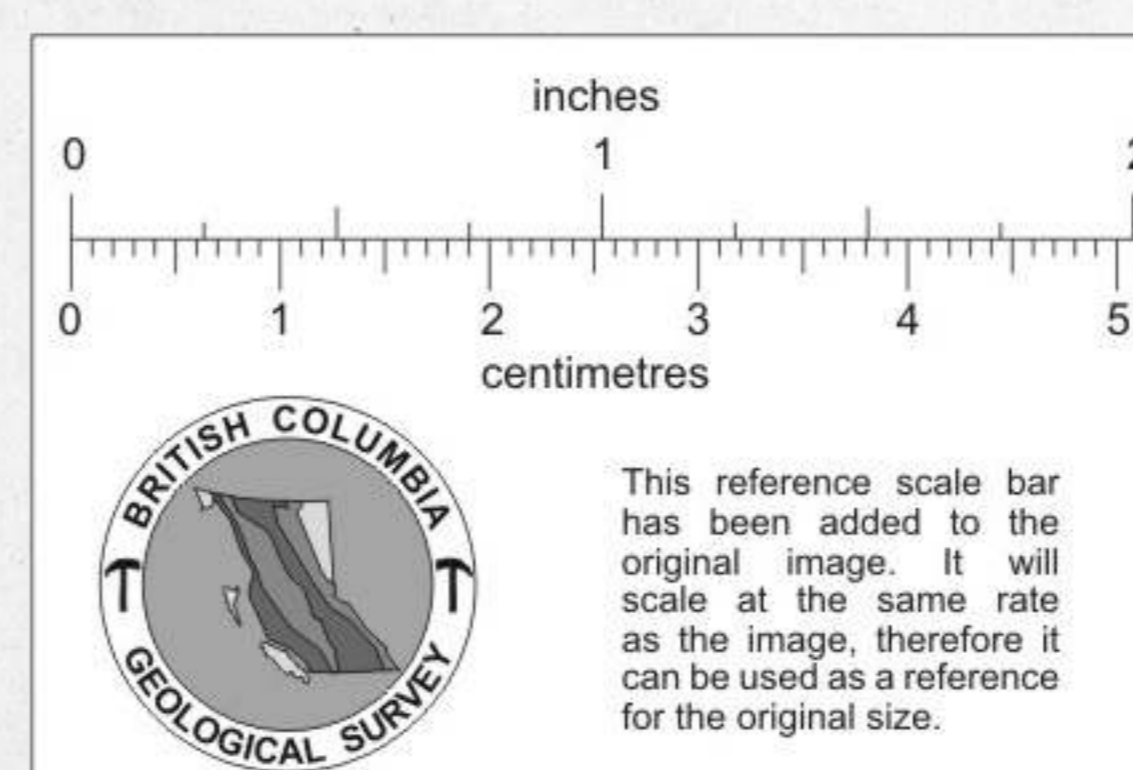
N.B.C. SYNDICATE
 JEAN GROUP
 MAGNETOMETER RESULTS
 1" - 400'
 NOV. 1970

FIGURE II



LEGEND

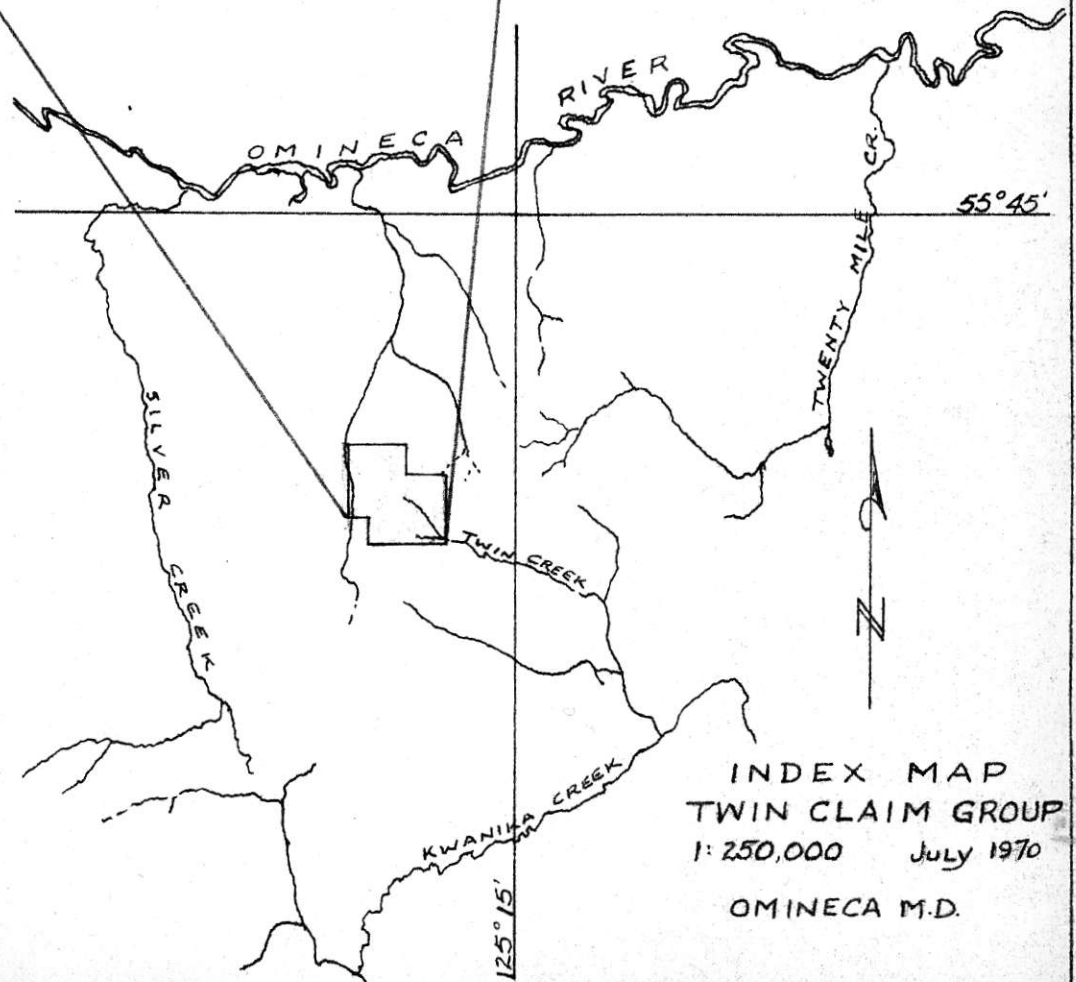
- d feldspar porphyry dyke
- a mainly andesite with some basalt
- r rhyolite
- m marble
- /— observed geological contact; limit of outcrop
- claim post



GEOLOGY MAP
 LUC CLAIM GROUP
 TCHENTLO LAKE AREA 93N/7
 Scale 1"=200' June 1970

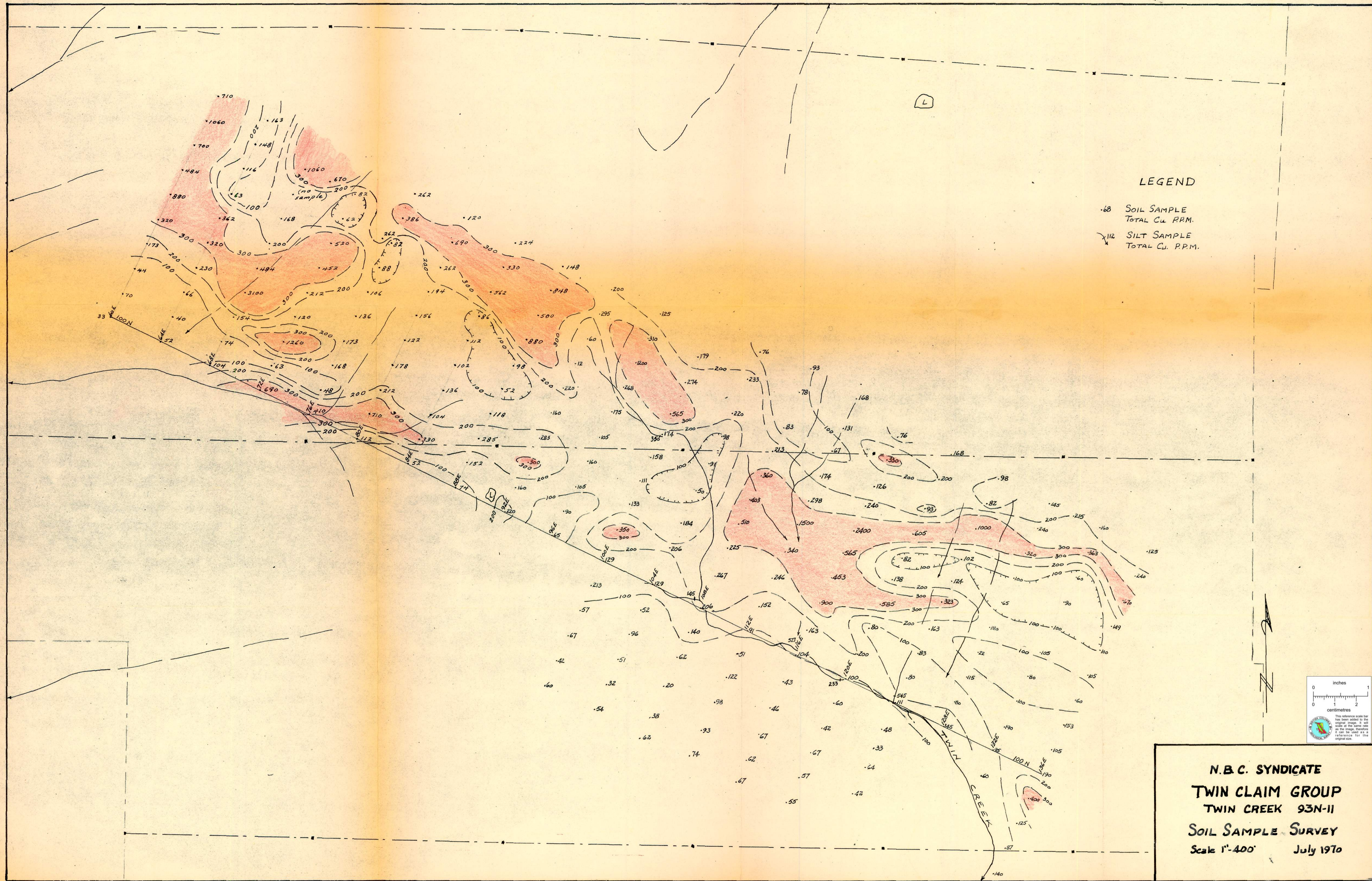
54 79195K1	52	50	48	46				
53	51	49	47	45				
39	37	13	15	17	19	21	23	
40	38	14	16	18	20	22	24	
41	43	TWIN 79142K1	3	5	7	9	11	
42	44	2	4	6	8	10	12	
		25	27	29	31	33	35	
		26	28	30	32	34	36	

CLAIMS RETAINED



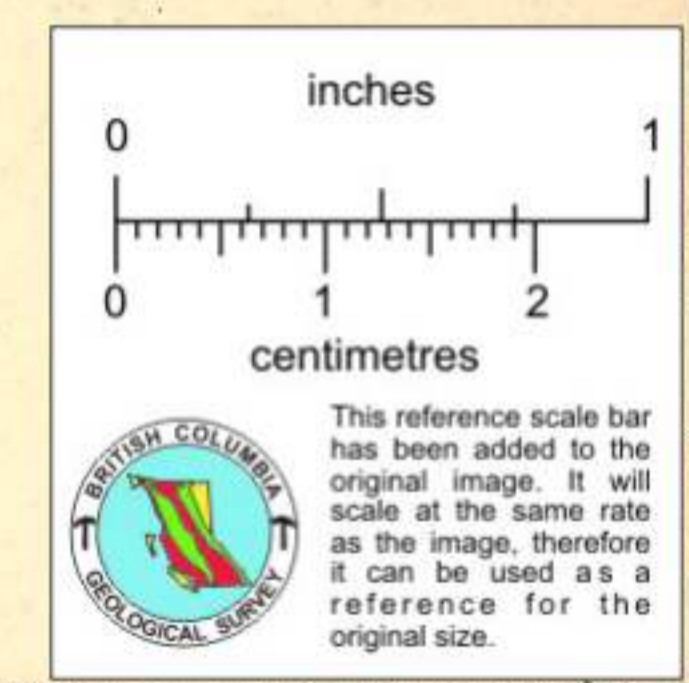
INDEX MAP
TWIN CLAIM GROUP
1:250,000 July 1970
OMINECA M.D.

FIGURE IV



LEGEND

- SOIL SAMPLE TOTAL CU P.P.M.
- ⊗ SILT SAMPLE TOTAL CU P.P.M.



N.B.C. SYNDICATE
TWIN CLAIM GROUP
TWIN CREEK 93N-11
SOIL SAMPLE SURVEY
 Scale 1"-400' July 1970

FIGURE V

APPENDIX A
DIAMOND DRILL LOGS

APPENDIX B

DIAMOND DRILL LOGS

MOND DRILL HOLE RECORD

N.B.C. SYNDICATE

burden & rubble 0-10')

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-1
LOCATION	Jean Group	COLLAR	206°	47°	LENGTH	408	SHEET No.	1
ELEVATION			52W-03N		COMPLETED	Aug. 1970	LOGGED BY:	Harivel
LATITUDE	3400	N			PURPOSE			
DEPARTURE	52+00 W				TOTAL RECOVERY	98%+		

Entry # Box #	FOOTAGE		DRILL HOLE DESCRIPTION OF ROCK TYPES	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVER	
	FROM	TO				SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR
1/1	10'	29'	Rock is slightly saussuritized (?) diorite (?) (monzo-diorite) (no visible qtz., calcic plag. over k-spar) with sphene as accessory mineral (in this section is amber to brown and waxy on fresh split surface). Magnetite (altered to hematite) is also an accessory. Hornblende (altered to chlorite) as major mafic. Cl 30-40 rock contains well disseminated sulphides of Cu (CPY), Fe (Fe ₁ S ₂) and minor Mo with limonite and malachite plus appreciable hematite (after magnetite). Qtz. vein 22° to core & mineralized fracture @ 20° and epidote, chlorite (?) and serpentine on some fractures @ 50°.		2-5% CPY-PY	53551	10	20	10'							less than	95%
						52	20	30	10							"	
						53	30	40	10							"	
						54	40	50	10							"	
						55	50	60	10							"	
						56	60	70	10							"	
						57	70	80	10							"	
						58	80	90	10							"	
						59	90	100	10						less than	80%	
						60	100	110	10						less than	95%	
						61	110	120	10						"		
2/1	29'-33'	10'	Diorite (altered) with notable increase in amount of pink feldspar (both veinous & after alteration of rock feldspars). Overall rock is green-pink (saussurite + pink feldspar) qtz. veins with sulphides of Fe, Cu, Mo (Fe ₁ S ₂), CuFeS ₂ , MoS ₂ ; angles to core 20°-40°.			62	120	130	10						"		
						63	130	140	10						"		
						64	140	150	10						"		
						65	150	160	10						"		
						66	160	170	10						"		
1/2	33'10" -	34'6"	Qtz. veins with PY, MoS ₂ , CPY @ 20° to core.			67	170	180	10						"		
						68	180	190	10						"		
						69	190	200	10						"		
2/2	34'6" -	35'11"	Grey feldspar porphyry dyke which is in part pink-feldspar-altered and cut by mineralized fractures 20°-30° to core.			70	200	210	10						"		
						71	210	220	10						"		
						72	220	230	10						"		
3/2	35'11" -	54'	Beginning of distinct rock type called diorite but could be called monzo-diorite (non-magnetic) with occasional sulphide-bearing fracture @ 50°, 20°, no qtz., 30% white plag. (calcite (?) euhedral, 30% pink feldspar anhedral - epidote on some fractures - chlorite, 30-40% hornblende (altered) anhedral with sphene and hematite 1%, 52'-53' increase - Cu, Fe, Mo sulphides in fractures 11 to core (less than 10°).			73	230	240	10						"		
						74	240	250	10						"		
						75	250	260	10						"		
						76	260	270	10						"		
						77	270	280	10						"		
						78	280	290	10						"		
						79	290	300	10						"		
						80	300	310	10						"		
4/2	54'-55'		Less pink feldspar (more white 1/1) with minor disseminated Cu Fe Mo sulphides (increase in hornblende)			81	310	320	10						"		
						82	320	330	10						"		
						83	330	340	10						"		
5/2	55'-56'		Characterized by zone of serpentinization wherein plag. euhedral altered to jade green soft "mineral", fractured at 20° with PY and grey gangue.			84	340	350	10						"		
						85	350	360	10						"		
						86	360	370	10						"		

DRILL HOLE J-1

-45°, S25°W

S2°00W, 03°00N

CORE ASSAYS

<u>Footage</u>	<u>Cu</u>	<u>Pb</u>	<u>Mo Check</u>
0-10 Casing			
10-20	0.38	0.004	
20-30	0.13	.014	
30-40	0.22	.22	.21
40-50	0.02	.002	
50-60	0.06	.001	
60-70	*0.01	*.001	
70-80	*0.01	*.001	
80-90	0.02	.001	
90-100	0.03	.005	
100-110	0.06	.001	
110-120	0.01	.001	
120-130	0.02	*.001	
130-140	0.01	*.001	
140-150	*0.01	*.001	
150-160	*0.01	*.001	
160-170	0.02	*.001	
170-180	0.04	.003	
180-190	0.14	.029	
190-200	0.01	.020	
200-210	0.02	.014	
210-220	0.06	.047	
220-230	0.03	.017	
230-240	0.06	.005	
240-250	0.03	.013	
250-260	*0.01	*.001	
260-270	*0.01	*.001	
270-280	*0.01	*.001	
280-290	*0.01	*.001	
290-300	*0.01	*.001	
300-310	*0.01	*.001	
310-320	*0.01	.004	
320-330	*0.01	*.001	
330-340	*0.01	*.001	
340-350	*0.01	*.001	
350-360	*0.01	*.001	
360-370	0.04	*.001	
370-380	0.02	.004	
380-390	0.02	.003	
390-400	0.03	.062	
400-408	0.01	.001	

* Less than

DRILL HOLE J-2

-45°, N25°E

52-00W, 03-00N

CORE ASSAYS

<u>Footage</u>	<u>Cu</u>	<u>Pb</u>
0-10 Casing		
10-20	0.67	.009
20-30	0.09	.001
30-40	0.13	*.001
40-50	*0.01	*.001
50-60	0.03	*.001
60-70	*0.01	*.001
70-80	0.01	*.001
80-90	0.22	*.001
90-100	0.33	*.001
100-110	*0.01	*.001
110-120	*0.01	*.001
120-130	*0.01	*.001
130-140	*0.01	*.001
140-150	*0.01	*.001
150-160	*0.01	*.001
160-170	0.01	.006
170-180	0.05	.006
180-190	0.07	.001
190-200	*0.01	*.001
200-204	*0.01	*.001

* Less than

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-3
LOCATION	Jean Group	COLLAR	205°	45°	LENGTH		SHEET No.	1
ELEVATION			36W,	03N	COMPLETED	Aug. 1970	LOGGED BY:	Harive
LATITUDE	3400 N				PURPOSE			
DEPARTURE	36400 W &				TOTAL RECOVERY	95%+		

Entry # Box #	FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										REC
	FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	
	0'	14½'	No core - overburden														
1/1	14'6"	37'8"	C1 35-40 Biotite:hornblende 1:3, qtz. less than 10%, zoned white feldspar (euhedral) 35%, about 20% K-feldspar (zoned) (?) sphene and magnetite relatively fresh. Hornblende at least partially altered (chloritized) as well as local chloritization of biotite. Rock magnetic - epidote, hematite, calcite, limonite - 20° to core (fractures) commonly have striae.														
1/2	37'8"	55'	As for 1/1 with increasing amounts of K-feldspar alteration (local-veinous). When fresh is grey, hypidior-morphic to panidiomorphic granular monzonite-diorite. Biotite - 10%.														
2/2	47'	62'4"	Saussuritized and serpentized section. Both saussuritization and pink feldspar alteration in rock of 1/1, development of foliation @ 60° to core. Calcite and hematite on fractures - increase in frequency of fracturing.														
1/3	62'4"	63'4"	Fairly altered 1/1.														
	63'4"	64'	Aplite dyke.														
	64'	67'10"	Altered (saussuritized) generally with local fresh (magnetic sections) plus K-spar altered - generally non-magnetic, 20° to core PY-calcite + gangue, Gouge striae at 55° to long axis ellipse, also 50° above assemblage in 4 mm width vein.														
	67'	71'8"	No core.														
	71'8"	73'0"	Feldspar porphyry dyke - green, saussuritized feldspar phenocrysts with pink (altered) groundmass. Grey feldspar porphyry dyke with disseminated sulphide (PY) 2% PY replaces mafics.														

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING		DIP		TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	4-3 J-
LOCATION	Jean Group	COLLAR	205°	45°			LENGTH		SHEET No.	2
ELEVATION				36W, 03N			COMPLETED	Aug. 1970	LOGGED BY:	Hg
LATITUDE	N						PURPOSE			
DEPARTURE	E						TOTAL RECOVERY	95%+		

	FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										REC. RUN
	FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	
1/3	78'	82'	Rock (feldspar porphyry) is pink feldspar altered and is generally pale pink-buff.														
	82'	84'	Andesitic (?) grey feldspar porphyry dyke.														
	84'	87'	Grey feldspar porphyry dyke.														
	87'	91'9"	Grey feldspar porphyry with disseminated sulphides still shearing on fractures, surface (obvious striae) @ 30° 10° to long axis).														
	73'	91'9"	All with disseminated sulphide (PY) 2°.														
1/4	91'9"	95'	Grey feldspar porphyry (andesite (?)) - no disseminated sulphides.														
2/4	95'	104'	Slightly altered l/l weakly to non-magnetic.														
3/4	104'	108'	Rock gets fresher and more obviously magnetic. (biotite obvious) Very fresh.														
4/4	112'		Grey, pink feldspar vein (1/2" wide).														
5/4	113'	117'	Less fresh l/l. Fractures with calcite, hematite, chlorite, epidote. Some exhibit striae (at varying angles to major axis of fracture plane ellipse. Pyrite and hematite in striae.														
1/5	117'		Medium grained hypid.-panid. Monzonite (?) CI 35 10-15% biotite, 20-30% hornblende (often altered) fresh for 70% of this box; for most part of this box white plag. euhedral. Some fractures ll to core and which exhibit K-spar alteration and argillic alteration at margin.														
2/5	142'	144'	Occasional pink feldspar vein (commonly with sulphides).														
	142'	142'6"	Andesite (?) dyke with epidote, hematite fracture @ 60° to core.														
3/5	130'	130'10"	Minor sulphides in fractures - generally magnetic rock in this box (box 5).														
4/5	144'		End of box.														

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-3
LOCATION	Jean Group	COLLAR	205°	45°	LENGTH		SHEET No.	3
ELEVATION			36W,	03N	COMPLETED		LOGGED BY:	Harivel
LATITUDE	N				PURPOSE			
DEPARTURE	E				TOTAL RECOVERY	95%+		

	FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										REC	
	FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	M
1/6	144'	- 166'8"	Generally fresh massive 1/1. Occasional pink feldspar vein with CPY-PY-MoS ₂ @ 20°, otherwise range of epidotized fracture angles (with chlorite and magnetite). Rock slightly more pink feldspar altered towards end of box.															
1/7	166'8"	- 170'	Relatively fresh rock.															
2/7	170'	- 179'	Alteration more evident but locally variable fracture with PY-Cal.-epidote & qtz., progressively more altered (both saussuritized and pink feldspar altered) but rock remains fairly magnetic.															
3/7	179'	-180'	Vein (¼") black mineral with quartz (MoS ₂) + chalcocite (?) + CPY + PY less than 10° to core - is fairly saussuritized rock.															
4/7	180'6"	- 190'	Relatively massive, relatively fresh - hematite, epidote, calcite on fracture less than 5°.															
5/7	190'	-191'	Very blocky - less fresh with striae @ 50° to long axis.															
6/7	191'	-192'	Rock relatively altered but rock still magnetic (despite biotite gone to chlorite) - euhedral mostly evident throughout box.															
1/8	192'+	- 197'	Moderately altered monzo-diorite with slight loss in plag. form and rock exhibits argillic alteration (kaolinized feldspars) (sl. magnetic).															
2/8	197'	-202'	Massive, fresher, magnetic.															
3/8	202'	-203'	Loss of distinct euhedral form in plag.															
4/8	203'	-216'	As for 2/8 sometimes vein altered @ 10° 15° 20° with (fractures) chlorite, epidote, serpentine, calcite, hematite.															

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING		DIP		TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-3
LOCATION	Jean Group	COLLAR	205°	45°			LENGTH		SHEET No.	4
ELEVATION							COMPLETED		LOGGED BY:	Hariv
LATITUDE	N			36W, 03N			PURPOSE			
DEPARTURE	E						TOTAL RECOVERY	95%+		

	FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS							RE			
	FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN		OZS. AU	OZS. AG	GROUPED AVERAGE
1/9	216'+		60% of this box contains fractured kaolinized rock with serpentine, chlorite, epidote.														
	223'		MoS ₂ in qtz. - occasional shear-fracture with MoS ₂ .														
	241'8" -		Most fractures 10-40°. Other 40% rock is massive with fresh biotite.														
	242'8"		Pink feldspar altered rock with disseminated sulphides - (PY with minor MoS ₂).														
1/10	244½' -		Slightly kaolinized, sometimes stained and pink feldspar altered,														
	254'		hypid.-panid, granular diorite often fractured and fractures bear epidote.														
2/10	254' -		Pink feldspar vein (aplite (?) dyke (?) serpentine.														
	254'6"																
3/10	254'-261'		(distinct plag. euhedral).														
4/10	261'-262'		Saussuritized with loss in clarity of euhedral.														
5/10	262'-266'		As for 1/10, becoming more like 4/10.														
6/10	266'-270½'		Kaolinization more pronounced and evidence of shearing (269'+) at 80°+ to core, MoS ₂ in fractures.														
7/10	270'6" -		Serpentinized (jade green plag.) section.														
	271'6"																
8/10	271'6" -		Moderately altered diorite with texture of 1/10 - most rock this														
	273'6"		box is magnetic - considerably greater fracturing in this box.														
1/11	273'6" -																
	274'		Moderately fresh, magnetic, grey.														
2/11	274'-280'		Slightly kaolinized, becoming more kaolinized by 280'														

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	205°	DIP	45°	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-3
LOCATION	Jean Group	COLLAR					LENGTH		SHEET No.	5
ELEVATION							COMPLETED		LOGGED BY:	Harive
LATITUDE	N						PURPOSE			
DEPARTURE	E						TOTAL RECOVERY	95%+		

	FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RE
	FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	
3/11	280'	292'	Generally massive, grey, and grey-pink hypid. granular diorite which is cut by epidote bearing fractures and sometimes by (hem.-calcite-PY-CPY assemblage with marked alteration envelopes).														
4/11	292'	293'	Increase in kaolinization.														
5/11	293'	294'	As for 3/11.														
6/11	294'	295'	Kaolinized section with (sulphides (sheared) on low angle (25°) fractures and epidote +5°, 60°).														
7/11	295'	299'	As for 3/11 but more pink feldspar.														
1/12	299'	300'6"	Pink feldspar altered and saussuritized hypid. granular diorite (epidote on fractures).														
2/12	300'6"	309'6"	Generally grey, grey-pink hypid.-panidiomorphic granular diorite with occasional fracture with hem.-calcite-PY assemblage (sheared with obvious striae).														
3/12	309'6"	310'6"	More kaolinized of the above.														
			END OF HOLE - (pump breakdown).														

DRILL HOLE J-3

-45°, S25°W

36°00W, 03°00N

CORE ASSAYS

<u>Footage</u>	<u>Cu</u>	<u>Pb</u>
0-14.5 Casing		
14.5-20	0.01	*0.001
20-30	*0.01	*.001
30-40	0.03	*.001
40-50	0.01	*.001
50-60	*0.01	*.001
60-70	0.01	*.001
70-80	*0.01	*.001
80-90	*0.01	*.001
90-100	*0.01	*.001
100-110	*0.01	*.001
110-120	0.03	*.001
120-130	0.02	*.001
130-140	0.06	.002
140-150	0.02	*.001
150-160	0.06	*.001
160-170	*0.01	*.001
170-180	0.03	.090
180-190	0.01	.003
190-200	0.01	*.001
200-210	0.01	*.001
210-220	*0.01	*.001
220-230	*0.01	.003
230-240	0.01	*.001
240-250	0.03	.002
250-260	0.02	.002
260-270	0.02	.030
270-280	*0.01	.002
280-290	0.06	.001
290-300	0.01	*.001
300-310.5	*0.01	*.001

* Less than

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	JW - 1
LOCATION	JEAN WEST	COLLAR		LENGTH	301'	SHEET No.	1
ELEVATION	LATITUDE		16400 N	COMPLETED	Aug 1970	LOGGED BY:	JCS
LATITUDE	16400	DEPARTURE		PURPOSE			
DEPARTURE	160400	West	£	TOTAL RECOVERY	43%		

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% Mo	OXS. AU	OXS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC
0	18	Casing																
18	32	Grey. M-c.grained granodiorite, indistinct feldspar crystallization chloritized hrnblde, Relatively strong magnetism. 7.5' core badly broken		Fractured at 10°- hematite at 30° - calcite at 45° - minor cpy, mal. -1% at 60° - fresh barren		18	20	2		.03	.004					14	7.5	
32	33½	Grey to pinkish grdiorite, pink due to hematite. Med magnetism		Fracture 0° minor cpy 45° minor cpy -1%		20	30	10		.01	.003					1.5	0.7	
33½	35½	As 32-33½ Few fragments recovered		Fract 0° - minor cpy												2.1	0.1	
35½	36	Broken core		Specks cpy -1%												0.4	0.4	
36	37	Mg grdio. Feldspar amorphous, becomes slightly pink. Hematite on fractures.		Fine scattered cpy, MoS ₂ . Minor cpy on fract at 40° -1%												1.0	1.0	
37	38	Increased pink tinge in feldspar		Fine seams py, cpy at 20° and 70°. Minor MoS ₂ -1%												1.0	0.5	
38	39½	Somewhat broken core. Pink feldspar & minor cpy first 2", rest green-grey with little hematite		Minor cpy -1%		30	40	10		.11	.008					1.5	1.3	
39½	41	Similar to last-several fract along core with hematite or barren		One ½" seampink feld & cpy at 35° to core												1.0	1.0	
41	42	Green-grey, pink feld increasing to pale pink rock at end. Fract along core with hematite. Barren fract at 40° and 60°.		Fine scattered cpy, MoS ₂ .												1.0	1.0	
42	45	Broken, greenish to buff to pink, highly altered.		Fract. at 40° - barren at 40° opposite-carb and cpy. at 60° - MoS ₂ at 44' 2" muddy seam MoS ₂ at 60° to core. Two narrow MoS ₂ seams at 60° between 44&45' Fine scatterd cpy, Mo in chlorite remnants of mafics.		40	50	10		.18	.018					3.0	2.4	

ID DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CL. SIZE	HOLE No. JW - 1
LOCATION	COLLAR			LENGTH	SHEET No. 2
ELEVATION				COMPLETED	LOGGED BY:
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	Mo	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.
45	47	Somewhat broken, slightly fresher Slightly pink to greenish.		Little scattered fine cpy, MoS ₂											2.0	1.5		
47	49	As above													2.0	1.3		
49	52	Less broken, fresher, pinkish grey		Fractures from 20° to 60° not well developed. Minor scattered cpy, Mo											3.5	3.0		
52	54	Badly broken, grey to slightly pink.		Rare specks cpy, MoS ₂											1.5	1.3		
54	55	Broken, slightly pinkish grey, Barren													1.0	0.7		
55	56	These sections slightly pinkish grey		Fractures at 15°											1.5	1.0		
56	57	m.g. granodio, 30% mafics (hrnblnde)		40°, 60°. Some calcite		50	60		.01	.009					1.0	0.5		
57	58	strongly chloritized. Barren.													1.0	1.0		
58	60	" "													1.5	1.5		
60	62	Similar greenish diorite. 61-62'		Parallel quartz, cpy 40% pink feldspar at 50° in several bands.											2.5	2.1		
62	65	M.g. greenish grey to pinkish green diorite, chloritized hrnblnde.		Very minor scattered cpy.											2.5	2.5		
65	69	Last half section broken core.				60	70		.09	.017								
		65-66.2 Irreg fract along core, scattered cpy, MoS ₂																
		66.2-67.2 Pink feld, little carb, seams and fract at 45°, 60° with py, cpy.																
		67.2-69.5 Broken, bleached, chloritized some carb, little pink feld & hemat.		Fract 45°, 60° MoS ₂ at 60°. Strong muddy seam 60° at 68'														
69	73	Broken, chloritized. Fract along core Hematite and carb. 6" bleached zone at end of section		Little MoS ₂ on small frags, probably from fracts at 60°.											4.5	4.5		
73	75	Broken core argillic, chloritized		Very minor MoS ₂ , cpy on few frags.											1.5	1.0		
75	77	M.g. grey dio, sausseritized, fairly strongly magnetic		Scattered fine cpy, Hem, carb, cpy fract at 45°		70	80		.03	.014					2.0	0.5		
77	78	Fract at low angle to core, broken,		minor hem.											1.0	0.7		
78	79	Intersecting fracts at 30°, 45°		Scattered fine cpy, Minor cpy on 45° fracts											1.0	0.7		

D DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. JW - 1
LOCATION	COLLAR			LENGTH	SHEET No. 3
ELEVATION				COMPLETED	LOGGED BY:
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS								RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% Mo	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN
79	82	Feldspars slightly pink, some carb and hematite, Fract at 30° 45° 60°.		Fract at 79½ at 30° with MoS ₂ , rare scattered MoS ₂										3.0	2.0	
82	85	Badly broken core, fract at 30° 60°		Little cpy on 60° fract										3.0	0.6	
85	86	Grey, 30% altered mafics, fract at 45° 60° 70°												1.0	1.0	
86	88	Grey to faintly pink, barren, fract at 0° with hematite.												2.0	1.3	
88	89	Badly broken, Hematite, pink feld on Fracts, carbonate.		MoS ₂ on fracts.										1.0	0.6	
89	89½	Grey, barren, med-c. grained, Fract at 45° 60°.												0.5	1.0	
89½	92	Fracts intersect at 60°, Min on fracts at 45°, narrow seam at 90' with hem, cpy, MoS ₂												2.5	1.2	
92	94	Broken, essentially barren												2.0	0.7	
94	96	" little hematite												2.0	0.6	
96	102.5	" " "												6.5	0.8	
102½	103	" " "												0.5	0.2	
103	104	Fract at 20° 45° 60° Barren												1.0	0.5	
104	107	Broken, hematite		Little scattered cpy on fracts										3.0	1.0	
107	108½	Slightly pink, intersecting fracts, hematite.												1.5	1.0	
108½	113	Fract at 20° 30° 60° Pink feld, hem on fract, carb, cpy, MoS ₂												4.5	0.9	
113	122	grey barren.												9.0	0.3	
122	125	Buff to pink, fractures with pink feld quartz and carb		Carb, py, cpy	1%									3.0	0.4	
125	136	C. grain deep pink, possibly younger syenitic, fract at 20° 30° 80°. Pink in first third of sludge.		Carb, cpy, py on 30° & 80° fracts. Dissem cpy MoS ₂	2%									11.0	0.8	
136	138½	Badly broken, med-c. grain grey to pinkish diorite, barren.												2.5	0.3	
138½	143½	Badly broken, slightly pink, hematite, MoS ₂ coating 1 fract												5.0	0.8	
143½	146½	Badly broken, pink feld in first part with minor cpy, remainder grey, barren fairly strong magnetic.												3.0	1.0	
146½	148	Broken, grey, med grain, carb stringers												1.5	0.2	
148	150½	Broken, fairly fresh m.g. grey dio moderate magnetic												2.5	1.3	

ID DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. JW - 1
LOCATION	COLLAR			LENGTH	SHEET No. 4
ELEVATION				COMPLETED	LOGGED BY:
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS								RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% MO	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN
150 1/2	152	Badly broken, one frag buffaltered		MoS ₂ & carb on 40° fract										1.5	0.8	
152	153 1/2	Some slightly pink altered, Fract		at 20°, 30°, 70°		150	160		.02	.001				1.5	0.8	
153 1/2	157 1/2	Broken, part grey to slightly pink, part crushed, kaolonized. Fault.				Sludge	150	157.5		.08	.015			4.0	0.6	
157 1/2	159	Broken, crumbly, bleached Fault												1.5	0.4	
159	160 1/2	Broken, crumbly, last piece soft slickensided gouge		MoS ₂ on slip, hematite on fractures.										1.5	0.6	
160 1/2	162 1/2	Fault gouge, fract at 60°, 10° Some hematite.		MoS ₂ on seams, fract										2.0	1.3	
162 1/2	164	Broken, fresher, grey to slightly pink					160	170		.07	.015			1.5	0.4	
164	167	Badly broken, fairly fresh, minor sulphides on fract.				Sludge	157.5	167		.12	.014			3.0	0.2	
167	169	Fault gouge, carbonate, some frags pink altered rock in gouge.		MoS ₂ on slips, minor py										2.0	1.0	
169	170	Fault gouge, greenish to pink, very minor py, hematite coatings												1.0	1.0	
170	172	Fault gouge, remnants pink feld.		MoS ₂ , py, cpy in seams	1% ?	Sludge	167	172		.11	.020			2.0	1.4	
172	174	" " broken, seams at 20°		" " " " "	1%									2.0	1.6	
174	176 1/2	" " hematite. Slips at 45°		coated with graphite, (Mo?)		Sludge	172	177		.12	.022			2.5	2.0	
176 1/2	180	Gouge and rock frags, grey dio, Rare speck cpy.					170	180		.16	.047			3.5	1.0	
180	182	Broken, greenish grey diorite.				Sludge	177	182		.10	.024			2.0	0.4	
182	183 1/2	" " " "					180	190		.01	.006			1.5	0.5	
183 1/2	187	" " to pink dio. One frag strong pink alteration.		Minor py, cpy		Sludge	182	187.5		.08	.020			3.5	0.5	
187	198	Relatively fresh grey diorite.				Sludge	187.5	198		.08	.030			11.0	0.1	
198	202 1/2	Fault gouge, seams py, graphite (Mo?)		on slips, dissem cube py, little cpy	1%	Sludge	198	203		.17	.024			4.5	1.6	
202.5	204	Broken, grey diorite, fractured with pink feld, little cpy												1.5	0.4	
204	205 1/2	" " " little hematite												1.5	0.4	
205 1/2	208	" " " "					190	210		.10	.012			2.5	0.1	
208	209	" " " Barren fract along core				Sludge	203	209		.07	.025			1.0	0.2	
209	210	" " " minor pink feld on fract at 60°												1.0	0.8	
210	210 1/2	" " " "				Sludge	209	213.5		.08	.015			0.5	0.4	

DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. JW - 1
LOCATION	COLLAR			LENGTH	SHEET No. 50
ELEVATION				COMPLETED	LOGGED BY:
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS								RECOVERY			
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% MO	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D
210½	213½	Fairly fresh grey diorite.		Sharp barren fracts at 50°, 70°.											3.0	2.0	
213½	214	Broken core. Pink feld on fracts along core with py, cpy													0.5	0.3	
214	215	Fragments pink feld altered diorite first 0.1', remainder fresh grey diorite carb fract well Fractures at 10°, 60°.		At 214½ narrow qtz coated with MoS ₂											1.0	1.2	
215	217	Fairly fresh grey diorite, carb filled fract at 20°, barren at 70°.													2.0	1.5	
217	219½	Fresh grey diorite, flat barren fracts.		0.2' quartz, MoS ₂ at 20° with pink feld alteration.	Sludge	215	220		.07	.025					2.5	2.4	
219½	220	Fresh grey diorite, narrow pink feld seam.					210	220		.02	.008				0.5	0.5	
220	221	Broken core, fresh grey diorite													1.0	0.2	
221	221.5	" " " " " seam pink feld					220	230		.07	.005				0.5	0.1	
221½	231½	No core			Sludge	220	231½		.07	.026					10.0	0	
231½	236	Two fragments fresh grey dio, pink feld seam					230	240		.01	.004				4.5	0.1	
236	239	No core			Sludge	231½	239		.08	.034					3.0	0	
239	245	Broken, fresh grey dio, some pink feld		MoS ₂ , pink feld at 20°	Sludge	239	246		.09	.025					6.0	0.4	
245	247	First foot m.g. grey dio, fract at 40° and 60°. Diorite from 214 to this point somewhat lighter in color than previously. At 246' sharp contact at 70° with dark grey m.g. dense diorite cut by narrow carb and pink feld seams. Fract at 30° and 60°.													2.0	1.4	
247	248½	Fairly fresh light color m.-c. grain diorite (Normal granodio type) Fract at 30° with rare sulphides, fract at 60° barren except minor hematite.			Sludge	246	249		.06	.016					1.5	1.3	
248½	253½	Fresh granodiorite, at 251½ weak fract at 30° with little hematite, pink feld, minor cpy. Carb and hem at 60°.					240	250		.03	.001				5.0	5.0	
253½	254	Mainly granodio with intersect fract at 45°. Py, cpy with pink feld alt.			Sludge	249	254		.08	.022					0.5	0.5	
254	255½	Altered grey diorite fract at 30°, 45°					250	260		.02	.003				1.5	1.1	
255½	259	M.g. grey diorite lightly fract at 0°, 10°, 30°, 60°. Hematite & minor cpy on 0° fract, MoS ₂ at 30°													3.5	2.8	

DRILL HOLE RECORD

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	JW - 2
LOCATION	JW Claim Group	COLLAR		N 25°E -50°	LENGTH	166	SHEET No.	1
ELEVATION					COMPLETED	Sept 1 1970	LOGGED BY:	J.C.S.
LATITUDE	17 / 00 N				PURPOSE			
DEPARTURE	160 / 00 West E				TOTAL RECOVERY	80%		

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS								RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	Mo	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN
0	15	Casing														
15	16½	M.-c.g. grey diorite with little pink feld. alt.		Minor cpy with pink feld										1.5	1.0	
16½	18	Grey diorite, little pink feld. Little oxidation on fractures.		Fract at 30, 40-45, 60°										1.5	0.8	
18	18½	Similar grey dio, little pink feld.		Minor cpy on fract										0.6	0.6	
18½	20½	Broken core, similar rock, rare		specks sulphide.		15	20		.03	.002				2.0	0.4	
20½	22½	Broken on fract at 45°, second set tight fract intersect at 45°-min.		Minor cpy, MoS ₂ on tight fract										1.9	1.4	
22½	25	Fract at 0-10° oxidized Barren fract at 40-50°		Very minor dissem Mo										2.5	2.4	
25	27½	Light grey diorite, minor pink feld.		Rare specks MoS ₂										2.5	1.8	
27½	28	Oxidized fract at flat angle to core												0.5	0.1	
28	28½	One frag greenish altered diorite.												0.5	0.1	
28½	29½	Greenish altered diorite, oxidized		fracts.		20	30		.03	.006				1.0	0.2	
29½	31	Greenish to pink alt diorite, 0-10°, 45-50° with little hematite		Fracts Rare specks cpy	Sludge	22.5	31		.09	.050				1.5	1.8	
31	33	Grey m.-c.g. diorite with little pink feld alt. Fract 0-10°, 30°, 45°, little carb, hematite.												2.0	1.8	
33	36	Grey to pink dio, fract prominent at 60°, one with cpy, little carb		Cpy on fract										3.0	2.5	
36	36½	Similar rock, broken				30	40		.02	.004				0.5	0.1	
36½	40	M.g. grey to pink dio, fract at 40-45°, 60°.		Little cpy on tight fract at 45° at 38.5°	Sludge	31	41		.03	.020				3.5	3.0	
40	44½	Grey to pink, m.-c.g. granodio, and intersecting at 45°. Pink feld, hem on 40° fract, carb on both.		MoS ₂ on 40° fract with pink feld at start of section.										4.5	3.2	
44½	47	Bleached grey dio, fract at 40°, little pink feld, hematite.		Cpy on 40° fract										2.5	0.7	

ND DRILL HOLE RECORD

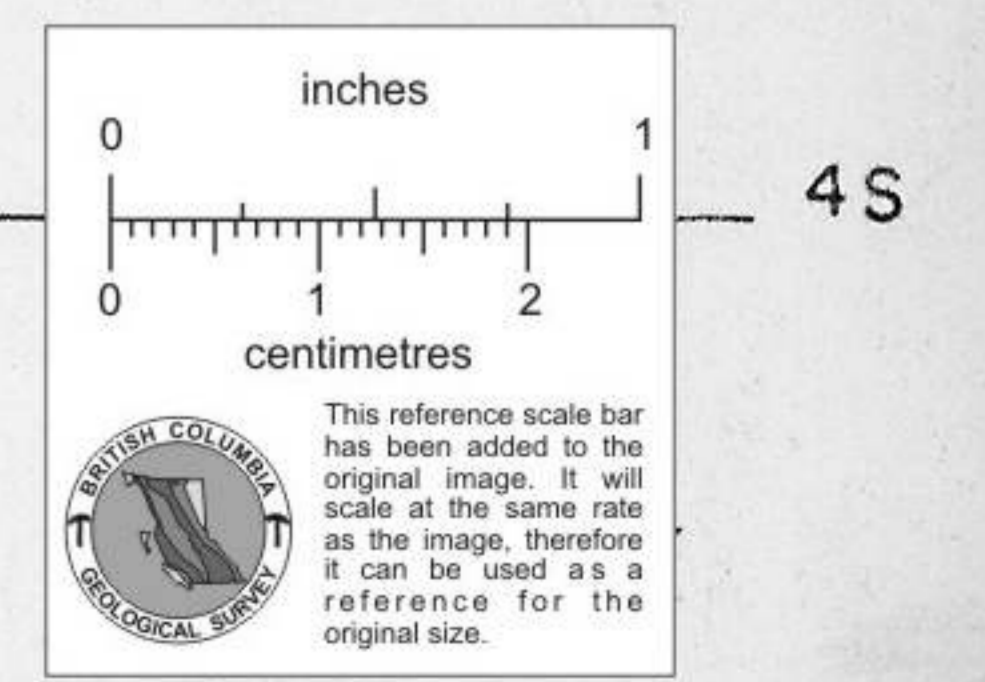
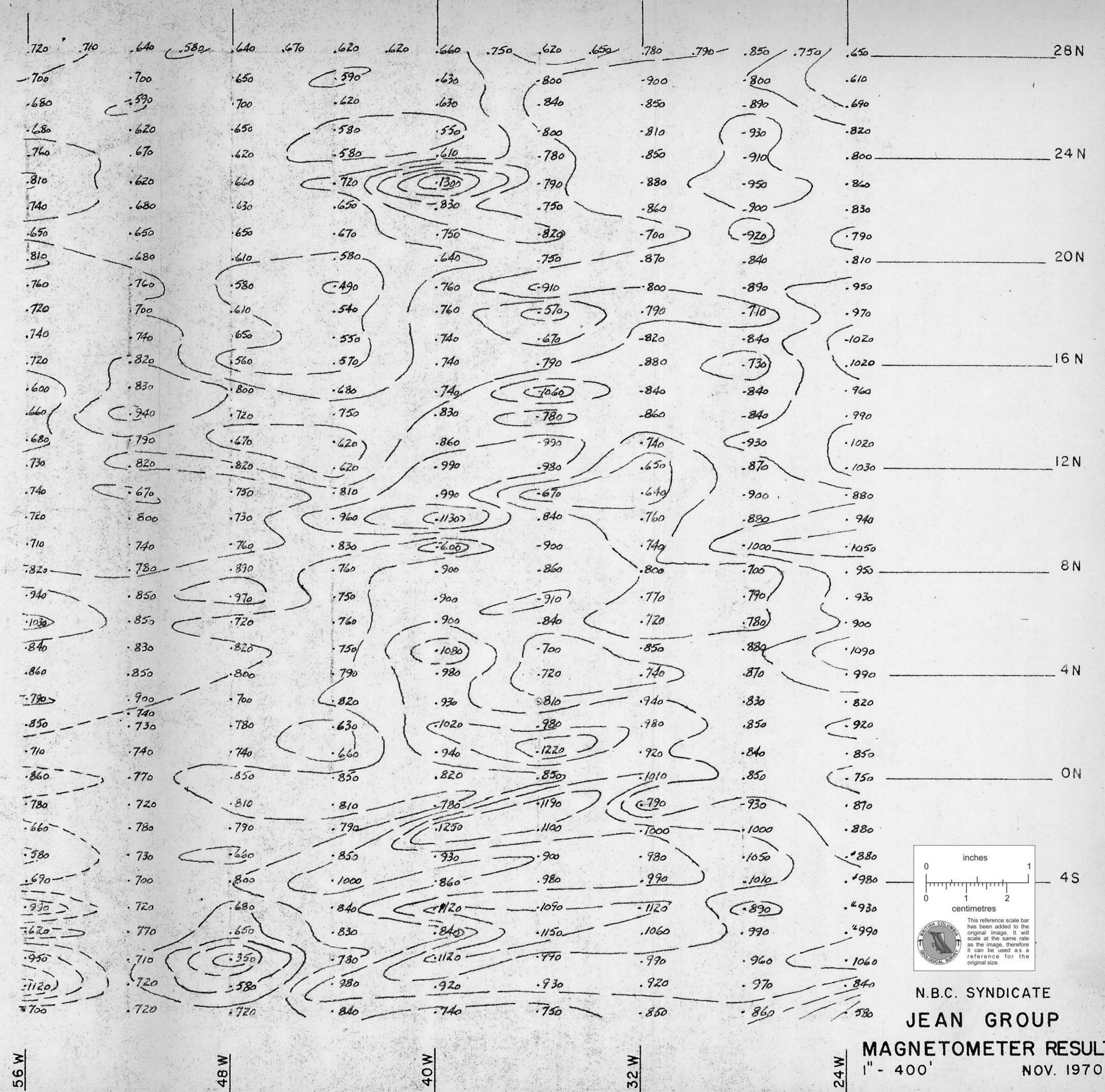
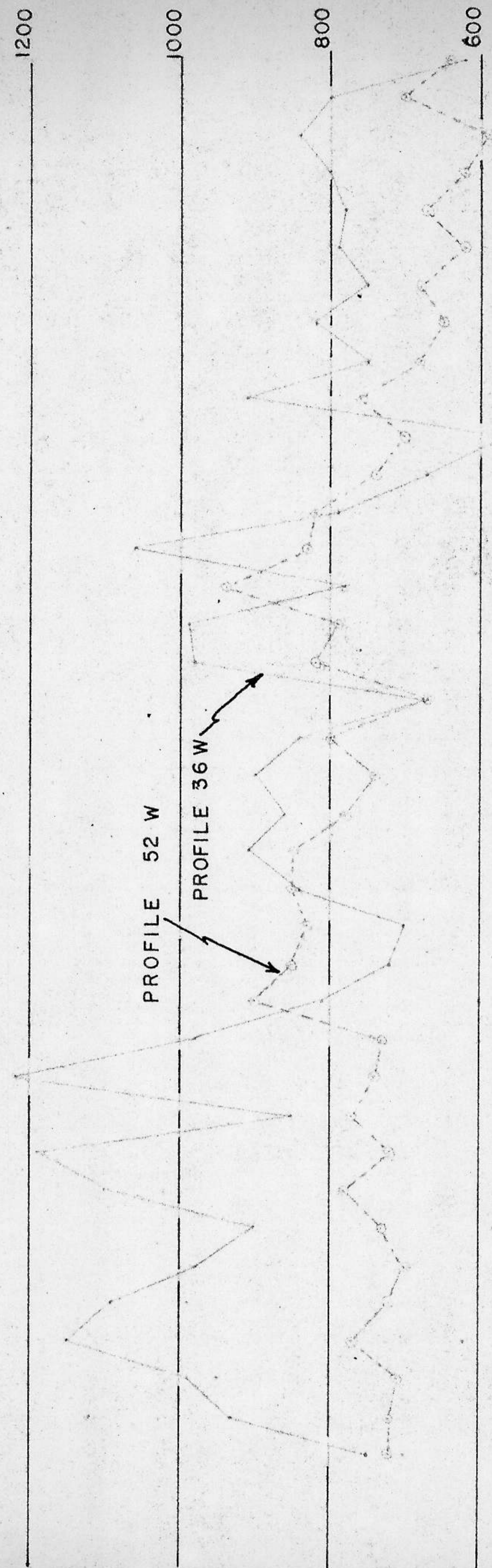
LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. J W / 2
LOCATION	COLLAR			LENGTH	SHEET No. 2
ELEVATION				COMPLETED	LOGGED BY:
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS								RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% Mo	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN
47	49½	Broken, Buff to pinkish feldspar		Pink feld with MoS ₂ cpy on 40° fract at end		Sludge 40	50	10	.03	.005					2.5	2.0
49½	51	greenish altered diorite, fract at 20°		Weakly magnetic											1.5	0.8
51	52½	Broken, altered diorite, little pink feld. Intersecting fract at 40°		Minor cpy											1.5	1.2
52½	53	Broken core		Little MoS ₂ on fract											0.5	0.2
53	53½	" "		Cpy on fract											0.5	0.2
53½	55½	First ½ of section better buff to pink color. Most fract at 40° with carbonate or minor cpy. Fracts along core with carbonate. Last part section fresh c.g. granodiorite.													2.0	1.8
55.5	58½	Light color granodio with pink feld on fract mainly at 40° & 45°		Several narrow fract with cpy &/or MoS ₂		Sludge 51	58.5		.10	.025					3.0	2.7
58½	60	Pinkish grey granodio.		Minor cpy, MoS ₂ on tight fract			60		.03	.004					1.5	1.3
60	60½	Pale granodio, last half section fragments pink aplite.													0.5	0.5
60½	62	Aplite & altered granodio		Minor sulphides on tight fract											1.5	0.5
62	62½	Frag altered granodio													0.5	0.1
62½	64	Badly broken core, pale altered granodio, some pink feld mainly on fract.													1.5	0.9
64	66½	Light colored pinkish granodio, fract at 40° & 60°, minor Carbonate, little hematite on fract		MoS ₂		Sludge 58.5	67		.11	.026					2.5	2.3
66½	70	Altered pale greenish to pinkish granodio at start of section, progressively more altered to about 68° at 1" & 4" pink m.g. feldspar zones. 69-69.7 Greenish crushed altered porphyritic rock. Last 3"-vein like zone carbonate and hematite.		MoS ₂ & cpy in narrow fract and with pink feldspar			70		.06	.004					3.5	2.8

ND DRILL HOLE RECORD

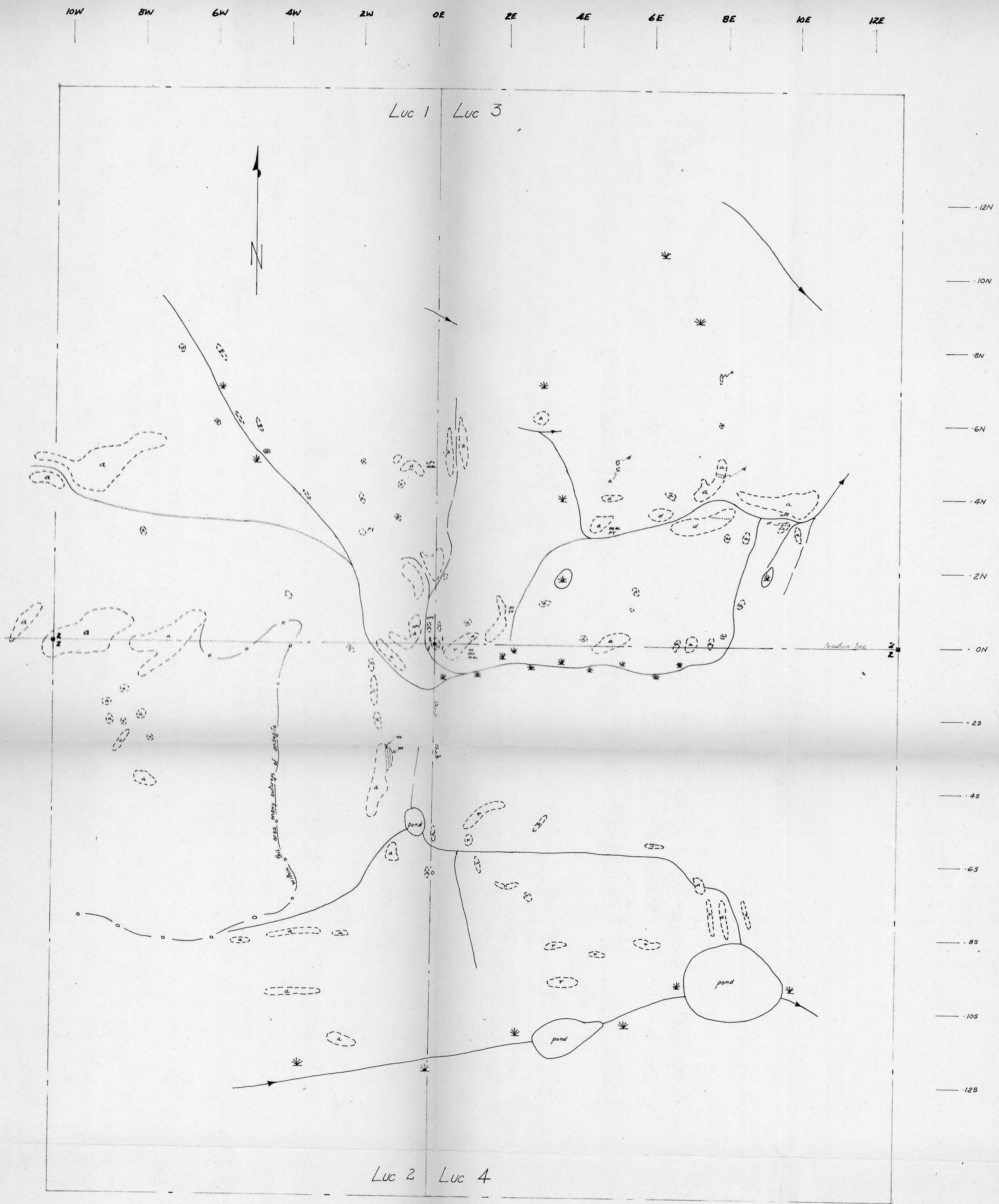
LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No. JW = 2
LOCATION	COLLAR			LENGTH	SHEET No. 4
ELEVATION				COMPLETED	LOGGED BY:
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS								RECOVERY		
FROM	TO					SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% MG	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN
109	113	Fine-m.g. crushed chloritized dark green diorite. 111.5 - 2" aplite at 40° to core, pink, f.g., cpy. Several 1/4" pink feld seams with minor cpy, MoS ₂ Fracts at 0°-10°, 40°, 60°, -little carbonate, hematite.	Y	MoS ₂ , cpy assoc with pink feld alt and aplite dyke											4.0	4.0
113	118 1/2	Dark green f-m.g. crushed altered diorite gradually becomes pink to reddish 'hematite' altered rock. Fractures at 30°, 40° - barren Several carbonate seams at 40°, 60°.		MoS ₂ , cpy with pink feld, minor qtz at 30°, 40° and 60°.		110	120		.08	.031					5.5	5.0
118 1/2	124	Pink altered rock as above. Last 6" greenish.		MoS ₂ , cpy, minor qtz on thin stringers at 60°.	Sludge	113	124		.08	.031					5.5	5.5
124	125	Greenish m.g. granodiorite, minor pink feld.		Scattered cpy mainly with pink feld. Fract at 20°.											1.0	0.6
125	127	Greenish m.g. granodio. Last half of section crushed, altered. Fractures along core barren.		Fine cpy, MoS ₂ on fracts and with pink feld on fracts at 30°, 60°.											2.0	1.8
127	130 1/2	Greenish m-c.g. altered granodio. More intensely altered to 129' at 6" greenish talcose fault zone at 40°. Rock for 6"-8" both sides of fault reddish (dyke) breccia. Several small carbonate seams.		Scattered fine cpy.		120	130		.07	.017					3.5	3.5
130 1/2	134 1/2	Crushed altered reddish rock-possibly dyke. Few narrow fractures or qtz stringers with sulphides. 132 1/2 - Green talcose fault at flat angle.		Minor cpy on fract											4.0	4.0
134 1/2	136	Intensely altered rock-dyke? Greenis porphyritic appearance.		Fractures 0°-10°, 45°.												
136	138	Greenish to purple as above.		Minor cpy, MoS ₂ assoc with qtz and pink feld.			130	140		.07	.010				1.5	1.3
138	140 1/2	Crushed, intensely altered bleached fault zone.		Minor cpy, MoS ₂ assoc with qtz, pink feld.	Sludge	130 1/2	141		.11	.026					2.0	2.4
															2.5	2.0



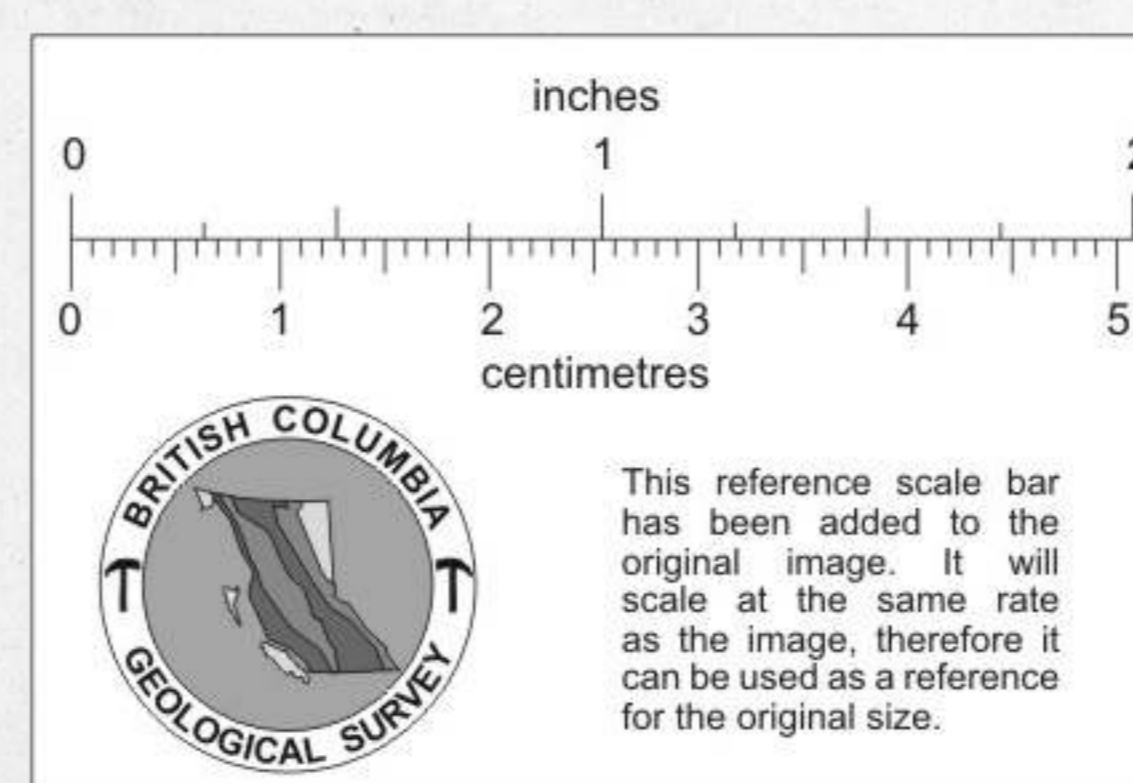
N.B.C. SYNDICATE
 JEAN GROUP
 MAGNETOMETER RESULTS
 1" - 400'
 NOV. 1970

FIGURE II



LEGEND

- d feldspar porphyry dyke
- a mainly andesite with some basalt
- r rhyolite
- m marble
- /— observed geological contact; limit of outcrop
- claim post



GEOLOGY MAP
 LUC CLAIM GROUP
 TCHENTLO LAKE AREA 93N/7
 Scale 1"=200' June 1970

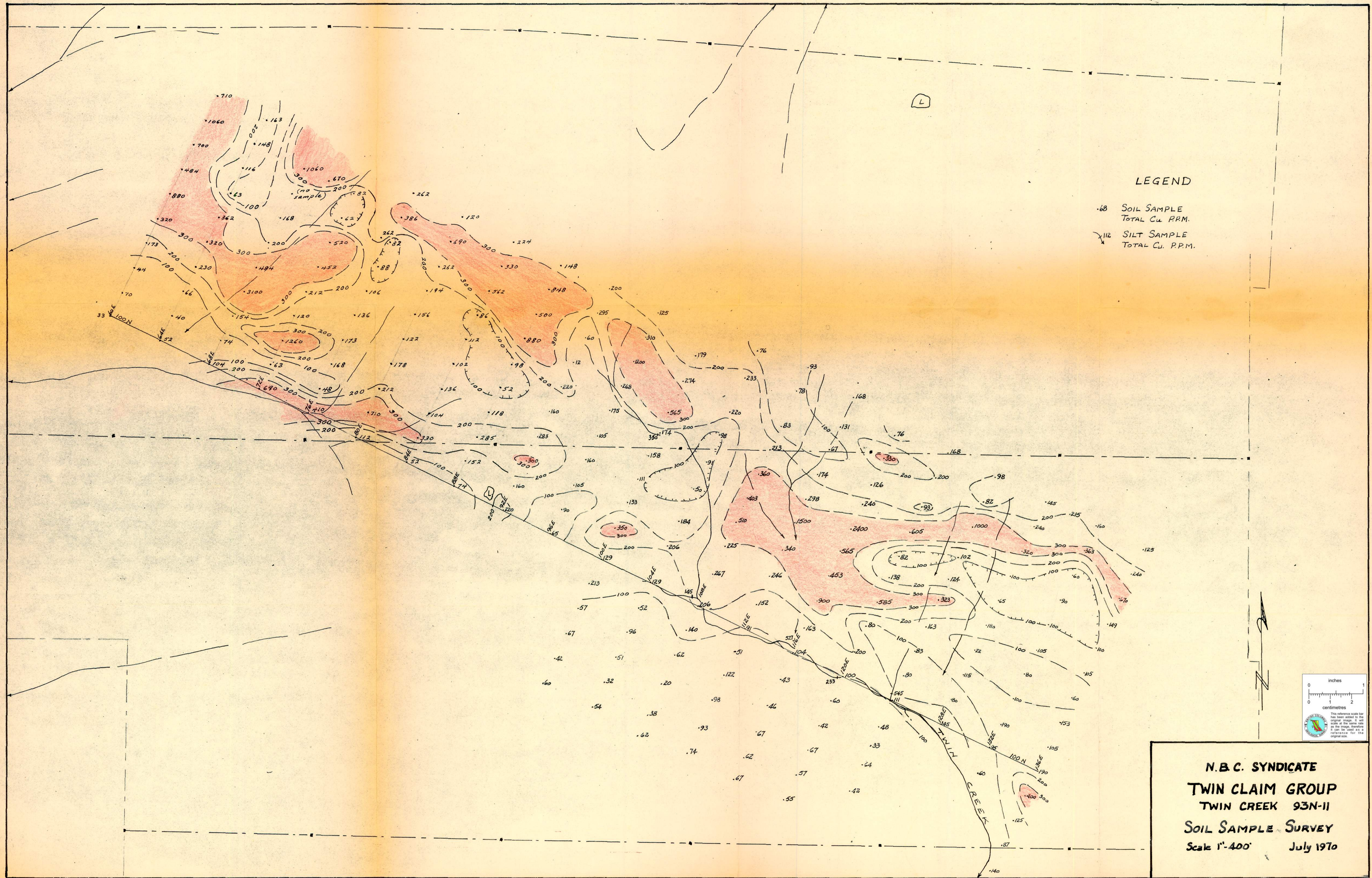


FIGURE V