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GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL
REPORT ON THE RITA 1-4 CLAIMS
LOCATED IN THE
SIMILKAMEEN MINING DIVISION
N.T.S. 92-H-9W
LATITUDE: 49°38' NORTH; LONGITUDE: 120°28' WEST
OWNED AND OPERATED BY
CANADIAN NICKEL COMPANY LIMITED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,703

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B.C. and Yukon
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October, 1982

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(Back Pockets)

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1.0 SUMMARY

The RITA 1-4 (60 units) claims, located 20 kilometres NNE of Princeton, B.C. in the Similkameen Mining Division were staked in 1981 by Canadian Nickel Company Limited (Canico). Access to the property is by the Summers Creek Road from Highway 5 and thence by logging roads.

Geologically, the RITA claims occur on the contact between upper Triassic-lower Jurassic Nicola Group volcanics, volcanoclastics, sediments and synvolcanic diorite intrusives on the west and Pennask Batholith granite, granodiorite and diorite, middle-Jurassic in age, of the Coast Mountain Intrusives, on the east. Minor copper mineralization is associated with small fracture zones within the Nicola Group volcanics.

Previous work by Canico in 1981 consisted of prospecting, gridding, geological and geochemical surveys. The 1982 field program (May 25-June 11) completed detailed evaluation of a portion of the RITA claims, namely the common border between the RITA 3 and 4 claims. Gridding, prospecting, geological, geochemical and geophysical surveys were completed. No significant geochemical anomalies were located within the hornfelsed contact aureole of the Nicola Group volcanics and Pennask Batholith intrusives indicative of a Cu-Mo porphyry environment.

No further work is recommended.

2.0 INTRODUCTION

This report covers the work done on the RITA claims between May 25 and June 11, 1982. A crew of six completed the program from a camp situated on RITA 3.

2.1 Location, Access, Physiography

The RITA 1-4 claims are located 20 kilometres NNE of Princeton, B.C. (Figure 1). The claim group is centered between Rampart and Trehearne Creeks.

Access to the western portion of the claim group is by the Summers Creek Road to Km. 10 from Highway #5 (Princeton-Kamloops Highway), thence by a series of logging roads. Other access roads from Christian Creek to the eastern side of the claim group were not utilized.

The claims cover the summit of Trehearne Mountain at 1600 metres above sea level in the central portion of the claim, dropping off towards Rampart and Swanson Creeks on the west and Trehearne Creek on the east at elevations of approximately 1175 metres above sea level. The area of the RITA Detail Grid is on a west facing slope with elevations ranging from 1190 metres to 1375 metres. Gradients vary from 0 - 30 degrees. The RITA Detail grid area is wooded except for portions logged in 1981.

2.2 Property Definition

The RITA 1-4 claims are located in the Similkameen Mining Division, claim sheet N.T.S. 92-H-9W (Figure 2).

<u>Claim Name</u>	<u>Units</u>	<u>Size</u>	<u>Record No.</u>	<u>Date Staked</u>	<u>Date Recorded</u>
RITA 1	15	5NX3E	1496(8)	July 8, 1981	August 6, 1981
RITA 2	15	5SX3E	1497(8)	July 8, 1981	August 6, 1981
RITA 3	15	5NX3W	1498(8)	July 8, 1981	August 6, 1981
RITA 4	15	5SX3W	1499(8)	July 8, 1981	August 6, 1981
Total	60				

All ground surrounding the RITA claims is open except to the immediate west.

2.3 Previous History

The Princeton area underwent extensive copper exploration from 1966 to 1972 as a result of the successful development of the Newmont Ingerbelle-Copper Mountain prospect south of Princeton, B.C. During that period the claim area was staked several times and geochemical assessment reports were filed by Montgomery (1970) and Chisholm (1971). The claims were allowed to lapse but the claim area was again restaked, Trenholme (1978).

2.4 1982 Exploration Program

The 1982 Canico exploration program was carried out by a six man crew during the period May 25 to June 11, 1982. Work on the claims was completed from a base camp located on the western edge of the RITA 3 claim.

The program consisted of gridding, geological, geochemical and geophysical surveys restricted to the RITA Detail area on the border of the RITA 3 and 4 claims. A total of 13,300 metres of grid was established consisting of a 1000 metre north-south baseline and eleven east-west crosslines at 100 metre interval. Sample interval along each grid line was 25 metres.

A total of 15 rock samples and 483 soil samples was collected.

3.0 REGIONAL GEOLOGY

The general geology of the RITA 1-4 claim area is outlined by G.S.C. Map 888A (Rice, 1947). B.C.D.M. Bulletin 69 (Preto, 1979) covers the area immediately to the west.

Geologically the RITA claims are on the contact between upper Triassic - lower Jurassic Nicola Group rocks on the west and the middle Jurassic Pennask Batholith rocks of the Coast Mountain Intrusive complex on the east. Nicola Group rocks consist of subaerial and submarine andesite and basalt flows, breccias, conglomerates, sediments, volcanoclastics and lahar deposits which have been

intruded by synvolcanic diorite intrusions. The Pennask Batholith rocks are composed of granite, granodiorite, quartz monzonite and diorite. The Nicola Group is weakly hornfelsed where it is in contact with the Pennask Batholith.

The Nicola Group sequence strikes roughly north-northeast along the western edge of the Pennask Batholith. Several major and minor fractures trending north-northeast are indicated by mapping, and by topographic and aeromagnetic lineaments.

4.0 PROPERTY GEOLOGY

The RITA 1-4 claims are underlain by a sequence of upper Triassic - lower Jurassic Nicola Group volcanics in the northwest which border the Pennask Batholith intrusives of middle Jurassic age covering the remainder of the grid. The property was staked in 1981 for possible Cu - Mo potential within the hornfels contact aureole of the Nicola Group and Pennask Batholith. The general geology of the RITA 1-4 claims is outlined on Figure 3.

4.1 Geological Units

The geology of the RITA Detail Grid bordering the RITA 3 and 4 claims is outlined on Figure 4.

The upper Triassic - lower Jurassic Nicola Group volcanic sequence has been subdivided into two units.

Unit 1a consists of massive basalt to andesite flows, grey-green in colour and fine to medium grained.

Unit 1b augite - plagioclase porphyry flows are generally massive and green coloured.

Much of the Nicola Group volcanic sequence where in direct contact with the Pennask Batholith has been hornfelsed with epidote, hornblende, actinolite, chlorite, albite, biotite and carbonate zones and stringers as common propylitic alteration products. Manganese and hematite stain is also widespread throughout Unit 1.

Unit 2 which occupies much of the RITA claims as well as the RITA Detail Grid area, comprises the western edge of the middle Jurassic Pennask Batholith, which forms part of the Coast Mountain Intrusive complex. The predominant rock type on the RITA Detail grid is Unit 2a diorite to quartz diorite which forms resistant outcrops in the southeast corner of the grid. The unit is strongly magnetic due to its magnetite content. Less resistant and occurring mainly as small outcrops and rubble crop, Unit 2b consists of granite to granodiorite, partly intrusive as northwest - southeast trending dikes into Nicola Group volcanics. The contact between Units 1 and 2 is not exposed but is assumed to be relatively sharp.

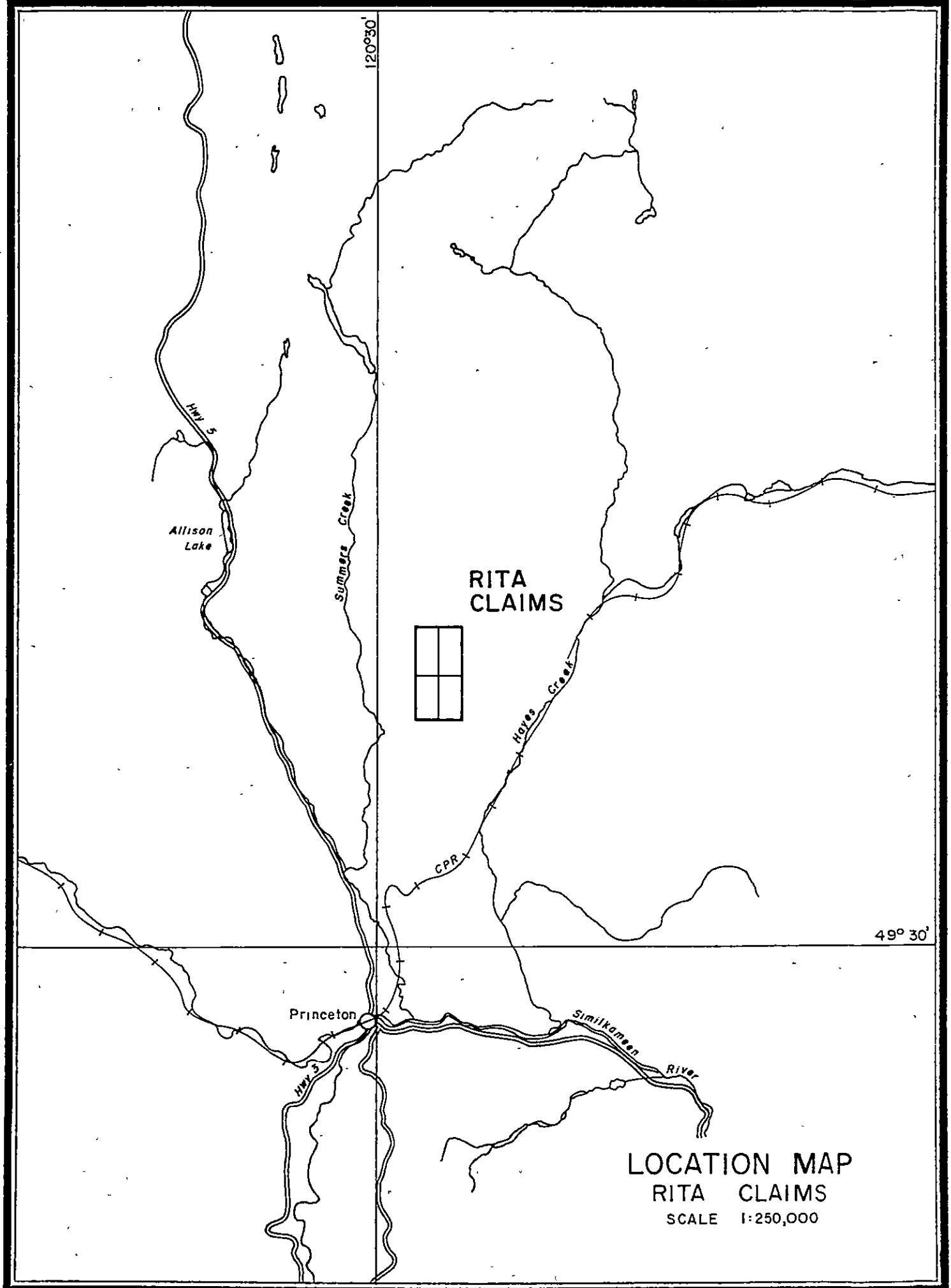


FIGURE 1

4.2 Structure

The Nicola Group volcanic sequence trends roughly north to northeast on the western edge of the Pennask Batholith. No strike and dip of bedding was evident on the RITA Detail grid. Foliation and schistosity strike and dip are variable. Jointing, generated within the Nicola Group volcanics presumably by emplacement of the Pennask Batholith, is developed in two dominant directions, namely north and northwest. The Pennask Batholith is generally massive.

Small scale shear zones occur throughout the Nicola Group volcanics. Large scale en echelon northeast - southwest trending fractures parallel to Swanson and Rampart Creeks interpreted from topographical and aeromagnetic lineaments transect the RITA Detail grid area. Detailed mapping in 1982 failed to locate evidence of these fracture zones.

4.3 Mineralization

Mineralization on the RITA Detail grid is restricted to small occurrences of fracture controlled copper mineralization as evidenced by malachite and azurite staining, within the Nicola Group volcanics. Within the hornfels zone of the Nicola Group, pyrite (up to 5%) is ubiquitous as coatings on fracture surfaces, fine disseminations and cubes.

5.0 GEOCHEMICAL SURVEYS

The 1982 program completed exploration on the RITA Detail Grid area. A total of 13,300 metres of grid line was established, consisting of a 1,000 metre north-south baseline, east-west crosslines at 100 metre intervals and stations along the crosslines at 25 metre intervals.

Geochemical rock and soil samples were submitted to Acme Analytical Laboratories, Vancouver, B.C., for analysis. Samples were analyzed for Cu, Mo, Au and Ag. Selected soil samples were also analyzed for Pb, As and Zn utilizing ICP. A 0.5 gram sample is digested with 3 ml. of 3:1:3 HCl to HNO₃ to H₂O at 90°C for one hour. The sample is then diluted to 10 mls. with water and analyzed by standard ICP techniques. Au was analyzed by atomic absorption utilizing a 10 gram sample leached by the same preparation technique as with the ICP analyzed samples. Geochemical results are listed in Appendix A.

5.1 Rock Geochemical Survey

A total of 15 rock samples were collected from various locations within the Nicola Group volcanics. The locations and analytical results of these samples are plotted on Figure 4. Rock sample descriptions are listed in Appendix B.

The analytical results do not indicate any significant anomalies attributed to a possible Cu - Mo porphyry system within the hornfelsed contact aureole of the Nicola Group volcanics. A small malachite-azurite stained fracture zone at 1+20N/4+85W (Sample RX 42194) returned values of 2,092 ppm Cu, 2 ppm Mo, 4.7 ppm Ag and 50 ppb Au. Traces of chalcopyrite along fracture zones explains the high copper value. This type of mineralization, common in the area, is not significant.

5.2 Soil Geochemical Survey

A total of 493 soil samples was collected from the RITA Detail Grid. Soil sample locations are plotted on Figure 5 with soil sample results for Au, Ag, Cu, Mo, Pb (plus two Zn values), and As plotted on Figures 6 - 11, respectively.

The analytical results do not indicate any significant anomalies indicative of a possible porphyry Cu - Mo environment associated with the hornfelsed contact aureole of the Nicola Group volcanics. Overburden cover is interpreted to be generally less than several metres. Much of the southern half of the grid has been disturbed by logging.

Several anomalous isolated Au values range from 50 to 410 ppb versus a background of 5 ppb. All these anomalous values occur within the intrusive phases of the Pennask Batholith. The results are not considered significant.

No significant Ag values were obtained, with the highest value being 0.7 ppm Ag.

Within the Nicola Group volcanics, Cu in soils reaches a maximum of 175 ppm. Enhancement of Cu values up to 395 ppm in the southeast corner of the grid is attributed to near surface outcrop exposures of diorite, generally higher in background Cu than surrounding granites and granodiorites. Pb shows some correlation to Cu with a generally eastward increase in values from 8-10 ppm Pb in Nicola Group volcanics and Pennask Batholith granites to a range of 30 - 60 ppm Pb with a maximum value of 971 ppm Pb associated with the diorite phases of the Pennask Batholith in the southeast corner of the RITA Detail Grid.

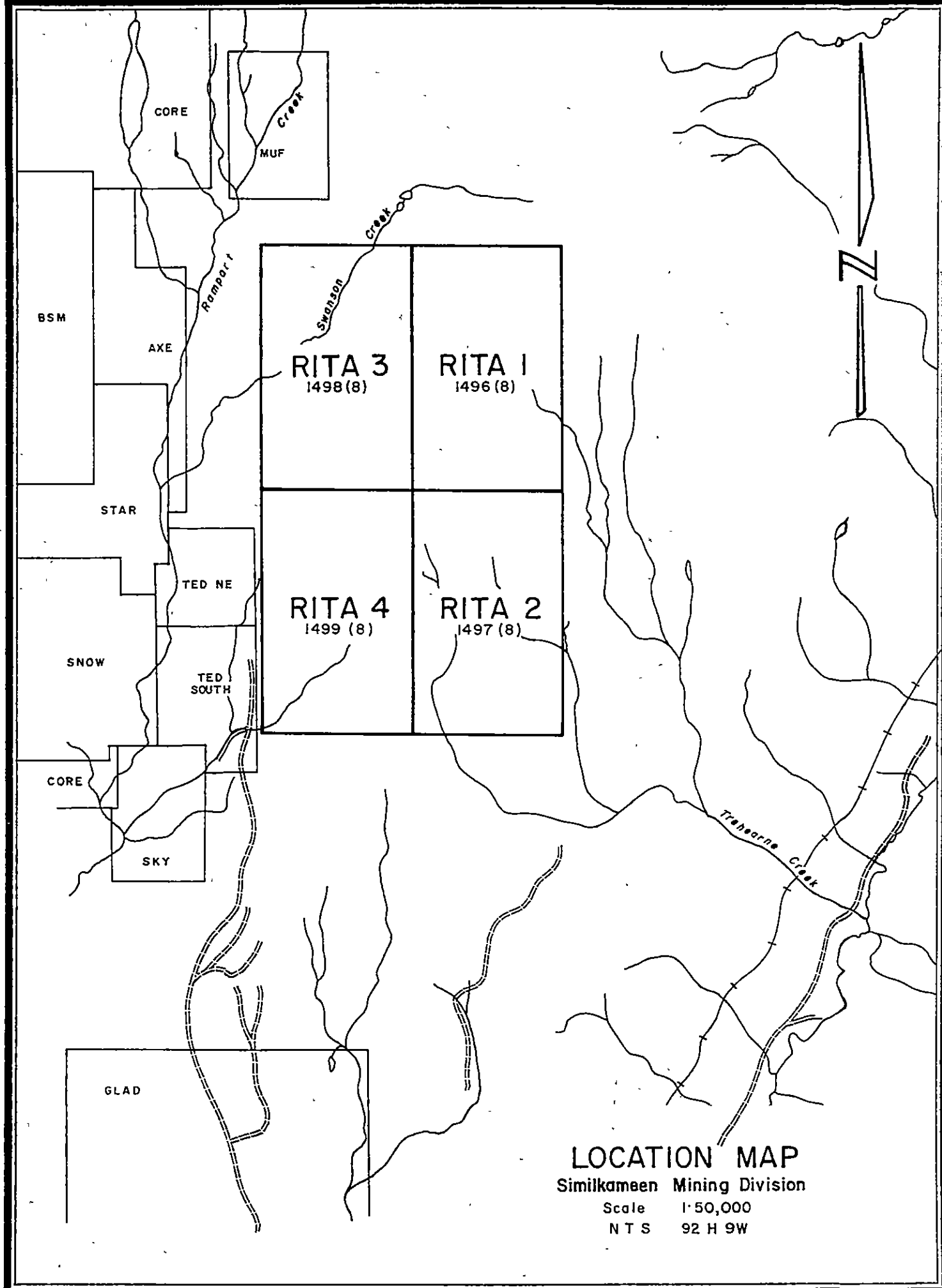
Molybdenum and arsenic values do not exceed 9 and 7 ppm, respectively. Mo shows a slight enhancement in the diorites of the Pennask Batholith in the southeast corner of the grid.

6.0 GEOPHYSICAL SURVEYS

Magnetometer and VLF-Radem surveys were completed on the RITA Detail Grid.

6.1 Magnetometer Survey

Canico personnel carried out 12,300 metres of ground magnetometer survey readings at 25 metre intervals. A Scintrex MF-1 fluxgate magnetometer was used to measure



LOCATION MAP

Similkameen Mining Division

Scale 1:50,000

NTS 92 H 9W

FIGURE 2

the relative field strength in gammas. Corrections were made for diurnal and instrument drift by reading a base station at one to two hour intervals. The corrected survey results are plotted on Figure 12 with contours drawn at 500 gamma intervals.

In detail, the magnetic data show short range variations caused by local changes in magnetite content and/or depth variations to magnetic source. Geological units, in particular the magnetic Unit 2a Pennask Batholith diorite phase in the southeast corner of the grid is well defined by its higher intensity combined with shallow depth to magnetite source compared to the surrounding Unit 2b granodiorite and lower intensity of the Unit 1 Nicola Group volcanics.

6.2 VLF Radem Survey

A 12,300 metre VLF Radem survey was conducted on the 100 metre spaced grid lines using a transmitting station at Seattle, Washington (NPG) which operates at 18.6 kHz. A Crone "Radem" receiver was employed at 25 metre station intervals to record tilt angle of the resultant field in degrees. The data are presented on Figure 13 as profiles.

The survey exhibits a background level of +50 probably caused by a slope of the topography increasing to the east. There are a number of weak conductors indicated from the profiles. The largest peak to peak deflection of the recorded tilt angles are in the range of 15 degrees. They represent conductors from shear structures or sharp contrast in overburden conductivity. These conductors are located in the area that is underlain by the Coast Mountain Intrusives. The conductors are considered not to be caused by sulphides.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The RITA Detail Grid area occurs on the contact between upper Triassic - lower Jurassic Nicola Group volcanics and middle Jurassic Pennask Batholith granitic and dioritic intrusives. Geological, geochemical and geophysical surveys failed to produce any significant anomalies attributed to porphyry Cu-Mo mineralization within the hornfelsed aureole of the contact zone. Minor copper mineralization located within small fracture zones in the Nicola Group volcanics is insignificant.

No further work is recommended.

8.0 REFERENCES

1. Chisholm, M. A., 1971: Geochemical Report on the KOR Group of Mineral Claims; B.C. Assessment Report 3364.
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3. Newell, P. and Peatfield, G. R., 1971: Geological and Geochemical Report DIG, TED, KEN, SNOW, and PAT Claims; B.C. Assessment Report 3396.
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7. Preto, V. A., 1979: Reconnaissance Rock Geochemistry of the Nicola and Kingvale Groups between Merritt and Princeton, B.C.; B.C.D.M. Paper 1981-2.
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9. Rice, H. M. A., 1960: Geology and Mineral Deposits of the Princeton Map Area, B.C.; G.S.C. Memoir 243.
10. Trenholm, L. S., 1978: MUF Mineral Claim; B.C. Assessment Report 6809.
11. Tully, D. W., 1971: Report on the KAT 527-540... Mineral Claims; B.C. Assessment Report 3395.

9.0 STATEMENT OF EXPENDITURES - 1982

RITA CLAIMS

Wages

E. J. Debicki	6 days @ 250	1,500.00	
H. R. Butler	1 day @ 258	258.00	
B. Booth	13 days @ 96	1,248.00	
J. Scouten	13 days @ 81	1,053.00	
K. MacDonald	10 days @ 87	870.00	
C. Ravnaas	11 days @ 76	836.00	
R. Allum	10 days @ 67	670.00	
D. Walsh	3 days @ 155	465.00	\$ 6,900.00

Personnel Expenses

Accommodation (Town & Travel)	394.53	
Meals (Town & Travel) 14 man days @ 20 per day	280.00	
Groceries (Camp)	680.84	1,355.37

Transportation

Truck Rental: 4 x 4 - 10 days @ 33.29 per day	332.90	
2 x 4 - 13 days @ 26.22 per day	340.86	
Van - 10 days @ 22.11 per day	221.10	
Gasoline	186.49	1,081.35

Analytical

483 soil analysis (Mo, Cu, Ag, Au) @ 7.30 each	3,525.90	
15 rock analysis (Mo, Cu, Ag, Au) @ 9.30 each	139.50	3,665.40

Miscellaneous

Field Supplies, Propane, Maps, Stationery		1,035.11
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Total:		\$14,037.23
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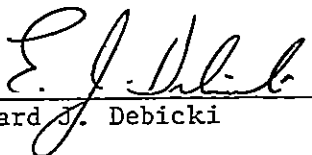
E. J. Debicki
August 4, 1982

10.0 AUTHOR'S QUALIFICATIONS

I, EDWARD J. DEBICKI, of the City of Richmond, in the Province of British Columbia, HEREBY CERTIFY:

1. THAT I reside at 11351 Seahurst Road, Richmond, British Columbia, V7A 3P3
2. THAT I am a graduate of McMaster University, Hamilton, Ontario, with a degree of Bachelor of Science (1971).
3. THAT I am District Geologist, B.C. and Yukon, with Canadian Nickel Company Limited (subsidiary of Inco Limited) of Copper Cliff, Ontario, POM 1N0.
4. THAT I have practised my profession as a geologist since 1971, having worked in Ontario, Quebec, the Northwest Territories, Yukon Territory and British Columbia.
5. THAT I visited the property and that the work described in this report was carried out under my supervision on behalf of Canadian Nickel Company Limited.
6. THAT I am a Associate Member of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.

DATED at Richmond, British Columbia, this 19th day of October, 1982


Edward J. Debicki

APPENDIX A
ANALYTICAL RESULTS

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS LEACHED. THIS LEACH IS PARTIAL FOR: Ca, F, Mg, Al, Ti, La, Ce, Nd, Sm, Eu, Sr, Cr AND E. Au DETECTION 3 ppm. Au ANALYSIS BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - ROCK CHIPS

RECEIVED JUNE 21 1982 DATE REPORTS MAILED July 24/82 ASSAYER R. J. Simpson

CANADIAN NICKEL PROJECT # RITA # 60830 FILE #

SAMPLE #	MO ppm	CU ppm	AG ppm	Au* ppb
RX042191	20	73	.2	U
RX042192	1	95	.1	U
RX042193	1	112	.4	U
RX042194	2	2092	4.7	U
RX042195	5	141	.3	U
RX042196	2	75	.2	U
RX042197	1	66	.1	U
STD A-1	1	31	.2	U
RX045875	1	101	.2	U
RX045876	1	157	.2	U
RX045877	1	118	.1	U
RX045878	3	64	.2	U
RX045879	1	64	.4	U
RX045880	1	91	.3	U
RX045881	4	379	.7	U
RX045882	16	90	.3	U



To: Canadian Nickel Co. Ltd.,
80 - 10551 Shellbridge Way,
Richmond, B.C.
V6X 2W9

Assaying & Trace Analysis
852 E Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

Attn.: Mr. E.J. Debicki

File No. 82-0380

Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition _____

P.O. 60830

SAMPLE No.	Mo	Cu	Ag	Au						
SX										
065828	1	26	.1	.020						1
065829	1	14	.1	.005						2
065830	1	44	.1	.005						3
065831	1	20	.1	.005						4
065832	1	30	.1	.005						5
065833	2	23	.1	.005						6
065834	1	18	.1	.005						7
065835	1	16	.1	.005						8
065836	2	19	.1	.005						9
065837	1	21	.1	.005						10
065838	2	27	.2	.005						11
065839	1	18	.1	.005						12
065840	1	16	.1	.005						13
065841	2	13	.1	.005						14
065842	1	18	.1	.005						15
065843	1	19	.1	.005						16
065844	1	16	.1	.005						17
065845	1	16	.1	.005						18
065846	1	17	.1	.005						19
065847	1	24	.1	.005						20
065848	1	32	.1	.005						21
065849	1	41	.1	.005						22
065850	1	17	.1	.005						23
065851	1	19	.1	.005						24
065852	1	27	.1	.005						25
065853	1	16	.1	.005						26
065854	1	16	.1	.005						27
065855	1	22	.1	.005						28
065856	1	18	.1	.005						29
065857	2	21	.1	.005						30
065858	1	19	.1	.005						31
065859	1	14	.1	.005						32
065860	1	23	.1	.005						33
065861	1	38	.1	.005						34
065862	1	88	.1	.005						35
SX 065863	1	23	.1	.005						36
										37
										38
										39
										40

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All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED June 9, 1982

DATE REPORTS MAILED June 15, 1982

ASSAYER

Dean Toyé
DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Canadian Nickel Co. Ltd.,

File No. 82-0380

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Ag	Au						
SX 065864	1	21	.1	.005						1
065865	1	19	.4	.010						2
065866	1	20	.3	.005						3
065867	1	15	.2	.005						4
065868	1	24	.2	.005						5
065869	1	17	.1	.005						6
065870	2	11	.1	.005						7
065871	2	9	.1	.005						8
065872	1	12	.1	.005						9
065873	1	14	.1	.005						10
065874	1	15	.1	.005						11
065875	1	16	.1	.010						12
065876	1	13	.1	.005						13
065877	1	18	.1	.005						14
065878	1	19	.1	.015						15
065879	1	13	.1	.005						16
065880	1	14	.1	.005						17
065881	1	13	.1	.005						18
065882	1	14	.1	.005						19
065883	1	40	.2	.005						20
065884	1	114	.1	.015						21
065885	1	112	.1	.410						22
065886	1	28	.4	.005						23
065887	1	68	.1	.005						24
065888	1	32	.2	.005						25
065889	1	24	.1	.005						26
065890	1	28	.1	.005						27
065891	1	28	.1	.005						28
										29
085455	1	41	.1	.005						30
085456	1	30	.3	.005						31
085457	1	27	.2	.005						32
085458	1	33	.1	.005						33
085459	1	25	.1	.005						34
085460	1	35	.2	.005						35
085461	1	20	.2	.005						36
085462	1	22	.1	.005						37
085463	1	28	.2	.005						38
SX 085464	1	46	.2	.005						39
										40

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All results are in PPM.

TESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED June 9, 1982

DATE REPORTS MAILED June 15, 1982

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Canadian Nickel Co. Ltd.,

File No. 82-0380

Type of Samples

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

SAMPLE No.	Mo	Cu	Ag	Au						
SX 085465	1	35	.3	.005						1
085466	1	25	.3	.005						2
085467	2	26	.2	.005						3
085468	2	17	.2	.005						4
085469	1	29	.1	.005						5
085470	1	10	.1	.005						6
085471	2	9	.1	.005						7
085472	1	14	.1	.005						8
085473	1	12	.1	.005						9
085474	2	25	.2	.005						10
085475	1	8	.1	.005						11
085476	1	8	.1	.005						12
085477	1	6	.2	.005						13
085478	1	14	.1	.005						14
085479	2	64	.2	.005						15
085480	3	140	.3	.035						16
085481	1	16	.2	.005						17
085482	1	17	.1	.005						18
085483	1	85	.1	.005						19
085484	1	25	.2	.005						20
085485	1	28	.2	.005						21
085486	2	41	.2	.005						22
085487	1	40	.1	.005						23
085488	1	18	.2	.005						24
085489	1	46	.2	.005						25
085490	1	21	.2	.005						26
085491	1	90	.2	.005						27
085492	3	92	.2	.005						28
085493	1	36	.1	.005						29
085494	1	21	.2	.005						30
085495	1	24	.3	.005						31
085496	1	36	.2	.005						32
085497	1	25	.1	.005						33
085498	1	20	.2	.010						34
085499	1	21	.1	.005						35
SX 085500	2	35	.2	.005						36
										37
										38
										39
										40

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All results are in PPM.

ESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED June 9, 1982

DATE REPORTS MAILED June 15, 1982

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED N.C. ASSAYER



To: Canadian Nickel Co. Ltd.,

File No. 82-0380

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Ag	Au						
SX 086057 ^{Should be} 86557	1	26	.1	.005						1
086058	2	54	.1	.005						2
086059	1	16	.1	.005						3
086060	1	50	.1	.005						4
086061	1	19	.1	.005						5
086062	1	24	.1	.005						6
086063	1	20	.1	.005						7
086064 86564	1	21	.1	.005						8
086069 86569	1	15	.1	.005						9
086070	2	35	.1	.005						10
086071	2	17	.1	.005						11
086072	1	14	.1	.005						12
086073	1	65	.3	.005						13
086074	1	72	.3	.320						14
086075	1	32	.1	.005						15
086076	2	38	.1	.005						16
086077	1	24	.1	.005						17
086078	1	22	.1	.005						18
086079	1	29	.1	.005						19
086080	1	12	.1	.005						20
086081	1	18	.1	.005						21
086082	1	17	.1	.005						22
086083	1	12	.1	.005						23
086084	2	19	.1	.005						24
086085	1	16	.1	.005						25
086086	1	18	.1	.005						26
086087	1	17	.1	.005						27
086088	1	18	.1	.005						28
086089	1	29	.1	.005						29
086090	1	11	.1	.005						30
086091	1	15	.1	.005						31
086092	1	31	.1	.005						32
086093	1	40	.1	.005						33
086094	1	22	.1	.005						34
086095	1	24	.1	.005						35
086096	1	28	.1	.005						36
086097	2	22	.1	.005						37
SX 086098 86598	1	25	.1	.005						38
										39
										40

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REVISIONS:

DETERMINATION:

DATE SAMPLES RECEIVED June 9, 1982

DATE REPORTS MAILED June 15, 1982

ASSAYER *Dean Toyé*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



File No. 82-0380

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu	Ag	Au						
SX 088438	1	66	.2	.005						1
088439	2	34	.3	.005						2
088440	1	31	.2	.005						3
088441	2	42	.2	.005						4
088442	1	21	.2	.005						5
088443	1	40	.2	.005						6
088444	1	26	.1	.005						7
088445	1	52	.1	.005						8
088446	1	31	.1	.005						9
088447	1	21	.1	.005						10
088448	1	26	.2	.005						11
088449	2	29	.4	.005						12
088450	1	39	.3	.005						13
088451	1	34	.1	.005						14
088452	2	24	.2	.005						15
088453	1	32	.2	.005						16
088454	1	30	.2	.005						17
088455	1	29	.2	.005						18
088456	1	30	.3	.005						19
088457	1	30	.2	.005						20
088458	1	38	.2	.005						21
088459	1	41	.3	.005						22
088460	1	34	.1	.005						23
088461	1	22	.1	.005						24
088462	1	22	.1	.005						25
088463	1	32	.2	.005						26
088464	1	25	.3	.005						27
088528	1	26	.2	.005						28
088529	1	28	.1	.005						29
088530	1	20	.1	.005						30
088531	1	22	.1	.005						31
088532	1	38	.2	.005						32
088533	1	20	.1	.005						33
088534	1	21	.1	.005						34
088535	1	17	.1	.005						35
088536	1	20	.3	.005						36
088537	1	16	.2	.005						37
SX 088538	1	16	.3	.005						38
										39
										40

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REVISION:

DETERMINATION:

DATE SAMPLES RECEIVED June 9, 1982

DATE REPORTS MAILED June 15, 1982

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Canadian Nickel Co. Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 82-0380

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

6

SAMPLE No.	Mo	Cu	Ag	Au											
SX 088539	1	17	.1	.005											
088540	1	12	.1	.005											1
088541	1	10	.1	.005											2
088542	1	12	.1	.015											3
088543	1	10	.1	.005											4
088544	1	16	.1	.005											5
088545	1	15	.1	.005											6
088546	1	17	.1	.005											7
088547	1	34	.1	.010											8
088548	1	58	.2	.015											9
088549	1	30	.1	.005											10
088550	1	32	.1	.005											11
088551	1	25	.1	.005											12
088552	1	26	.1	.005											13
088553	1	35	.1	.005											14
SX 088554	1	32	.1	.005											15
															16
															17
															18
															19
															20
															21
															22
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															40

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QUESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED June 9, 1982

DATE REPORTS MAILED June 15, 1982

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ICP - GEOCHEMICAL ANALYSIS

0.500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 ML. WITH THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr AND B. Au DETECTION 3 ppm.
 AUX ANALYSIS BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - SOIL/SILT

JUNE 16 1982

DATE REPORTS MAILED June 23/82 ASSAYER N. J. King DEAN TOYE,

CANADIAN NICKEL PROJECT # 0828 -70 -31 - 14050 FILE # 82-047

SAMPLE #	MO ppm	CU ppm	PB ppm	AG ppm	AS ppm	AUX ppm
SX065897	3	151	971	.4	4	5
SX065897	2	62	409	.3	2	5
SX065897	2	127	147	.4	2	5
SX065897	2	93	34	.3	5	5
SX065897	2	24	99	.2	5	5
SX065897	2	36	38	.2	2	5
SX065898	2	20	52	.2	2	5
SX065899	1	16	38	.3	4	5
SX065900	1	42	58	.2	5	5
SX086099	1	38	39	.4	5	5
SX086100	2	36	56	.2	2	5
SX088465	1	29	11	.2	5	5
SX088466	1	37	11	.2	5	5
SX088467	1	26	8	.2	2	5
SX088468	1	23	10	.2	7	5
SX088469	1	25	10	.2	4	5
SX088470	1	23	11	.2	7	5
SX088471	2	47	8	.1	4	5
SX088472	4	23	15	.2	3	5
SX088473	2	45	9	.1	4	5
SX088474	2	50	14	.1	7	5
SX088475	2	54	15	.2	2	5
SX088476	2	28	11	.2	10	5
SX088477	2	37	13	.2	4	5
SX088478	3	41	11	.3	5	5
SX088479	2	14	10	.3	4	5
SX088480	2	33	12	.2	4	5
SX088481	1	49	10	.2	5	5
SX088482	1	73	14	.2	5	5
SX088483	2	15	9	.1	5	5
SX088484	2	10	10	.2	2	5
SX088485	1	14	13	.2	4	5
SX088486	1	11	9	.2	5	5
SX088487	2	36	10	.2	4	5
SX088488	2	32	10	.2	5	5
SX088489	1	42	10	.3	7	5
STD A-1	2	31	47	.4	11	5

CANADIAN NICKEL FILE # 82-0430

SAMPLE #	MO ppm	CU ppm	PB ppm	AG ppm	AS ppm	AUX ppb
SX088490	1	34	9	.1	3	5
SX088491	2	27	11	.1	4	5
SX088492	1	26	11	.2	N	5
SX088493	2	47	9	.1	N	5
SX088494	2	11	6	.1	N	5
SX088495	2	45	10	.1	N	5
SX088496	2	175	9	.1	N	5
SX088497	1	15	10	.1	N	5
SX088498	2	111	10	.1	N	5
SX088499	1	16	11	.1	N	5
SX088500	1	55	10	.1	N	5
SX088501	1	18	10	.1	N	5
SX088502	1	15	10	.1	N	5
SX088503	1	11	11	.1	N	5
SX088504	1	14	9	.2	N	5
SX088505	2	40	66	.1	N	5
SX088506	1	12	50	.1	N	5
SX088507	1	10	43	.2	N	5
SX088508	2	12	85	.2	N	5
SX088509	2	14	55	.1	N	5
SX088510	2	27	95	.4	6	5
SX088511	2	17	47	.2	N	5
SX088512	3	32	44	.2	N	5
SX088513	1	15	28	.1	N	5
SX088514	1	12	44	.1	N	5
SX088515	1	10	52	.2	N	20
SX088516	1	10	38	.1	N	5
SX088517	1	10	40	.1	N	5
SX088518	1	11	33	.2	N	5
SX088519	1	12	30	.2	N	5
SX088520	1	28	20	.1	N	5
SX088521	1	45	19	.2	4	5
SX088522	1	32	16	.3	N	5
SX088523	1	89	17	.1	N	5
SX088524	2	76	23	.3	N	5
SX088525	1	23	12	.1	N	5
SX088526	1	38	12	.2	N	5
SX088527	1	52	16	.2	5	5
STD A-1	1	30	42	.4	10	5

CANADIAN NICKEL

FILE # 82-0430

SAMPLE #	MO ppm	CU ppm	FE ppm	AG ppm	AS ppm	AU * ppm
SX088553	1	25	11	.2	2	5
SX088556	1	17	10	.2	2	5
SX088557	1	23	13	.1	2	5
SX088558	1	23	14	.1	2	5
SX088559	1	26	16	.1	2	5
SX088560	1	21	20	.2	2	5
SX088561	2	42	15	.3	2	5
SX088562	1	36	11	.3	2	5
SX088563	1	21	10	.2	2	5
SX088564	1	13	17	.1	4	5
SX088565	1	25	11	.1	2	5
SX088566	1	25	8	.2	6	5
SX088567	1	11	10	.2	2	5
SX088568	1	19	10	.2	2	5
SX088569	1	19	10	.2	2	5
SX088570	2	48	18	.4	6	5
SX088571	2	30	22	.2	2	5
SX088572	2	33	33	.1	2	5
SX088573	2	20	28	.4	5	5
SX088574	2	15	36	.3	2	5
SX088575	1	14	29	.2	2	5
SX088576	1	12	28	.2	2	5
SX088577	2	10	67	.2	2	5
SX088578	1	12	59	.1	2	5
SX088579	1	12	47	.2	2	5
SX088580	1	11	33	.2	2	5
SX088581	1	15	36	.2	4	5
SX088582	1	10	35	.2	2	5
SX088583	1	10	42	.2	2	5
SX088584	1	13	62	.1	2	15
SX088585	2	13	65	.2	2	5
SX088586	2	12	67	.2	2	5
SX088587	1	37	40	.4	3	5
SX088588	1	20	28	.2	2	5
SX088589	1	23	27	.4	3	5
STD A-1	1	29	40	.3	9	5

CANADIAN NICKEL

FILE # 82-0430

SAMPLE #	MO ppm	CU ppm	FE ppm	AG ppm	AS ppm	Au* ppb
SX088590	1	21	20	. . . 3		
SX088591	1	21	13	. . . 2		10
SX088592	1	26	15	. . . 4		
SX088593	1	17	15	. . . 4		
SX088594	1	23	9	. . . 4		
SX088595	1	22	10	. . . 4	4	
SX088596	1	18	10	. . . 4		
SX088597	1	16	11	. . . 4		
SX088598	1	18	11	. . . 4		
SX088599	1	19	12	. . . 4		
SX088600	1	14	9	. . . 2		
SX088601	1	19	10	. . . 2		
SX088602	1	24	11	. . . 2		
SX088603	1	21	9	. . . 2		
SX088604	1	22	11	. . . 2		
SX088605	1	24	10	. . . 4	4	
SX088606	1	21	9	. . . 4		
SX088607	4	62	46	. . . 6		10
SX088608	2	10	33	. . . 1		
SX088609	2	13	48	. . . 4		
SX088610	2	14	53	. . . 4		
SX088611	1	16	19	. . . 2		
SX088612	1	12	32	. . . 2		
SX088613	2	17	52	. . . 4		
SX088614	2	15	59	. . . 4		
SX088615	2	10	51	. . . 1		
SX088616	2	9	48	. . . 2		
SX088617	1	13	44	. . . 2		
SX088618	1	11	49	. . . 2		
SX088619	1	14	54	. . . 4		
SX088620	2	138	23	. . . 2		
SX088621	2	108	29	. . . 2		
SX088622	2	130	20	. . . 2		
SX088623	2	63	22	. . . 2		
SX088624	2	143	29	. . . 4		
SX088625	1	395	43	. . . 4		
SX088626	1	35	85	. . . 4		
STD A-1	2	31	44	. . . 2	6	

CANADIAN NICKEL FILE # 82-0430

SAMPLE #	MO ppm	CU ppm	PB ppm	AS ppm	AS ppm	Au* ppb
SX088627	8	31	15	.2	2	5
SX088628	8	321	25	.4	4	5
SX088629	7	231	20	.6	13	5
SX088630	8	120	14	.1	13	5
SX088631	7	37	15	.1	13	5
SX088632	5	35	21	.2	13	7
SX088633	5	36	20	.6	13	7
SX088634	6	44	30	.1	13	7
SX088635	4	46	54	.1	13	7
SX088636	4	10	35	.1	13	7
SX088637	4	12	38	.1	13	7
SX088638	4	12	32	.1	13	7
SX088639	4	15	41	.2	13	7
SX088640	3	15	32	.1	13	10
SX088641	4	15	39	.1	13	10
SX088642	1	23	29	.1	13	10
SX088643	1	19	37	.1	13	10
SX088644	3	17	32	.2	13	10
SX088645	2	16	13	.1	13	10
SX088646	4	22	66	.1	13	10
SX088647	5	36	106	.2	13	5
SX088648	6	32	160	.2	13	5
SX088649	2	21	13	.1	13	5
SX088650	2	21	13	.1	13	5
SX088651	2	24	12	.1	13	5
SX088652	7	67	42	.1	9	10
SX088701	2	28	15	.1	4	5
SX088702	3	45	50	.3	3	5
SX088703	2	43	12	.1	3	5
SX088704	1	33	14	.1	3	5
SX088705	2	26	11	.2	2	5
SX088706	1	34	14	.1	2	5
SX088707	1	30	12	.1	2	5
SX088708	1	45	14	.3	2	5
SX088709	1	22	11	.1	2	5
SX088710	1	69	16	.1	2	5

CANADIAN NICKEL FILE # 82-0430

SAMPLE #	MO ppm	CU ppm	FE ppm	AG ppm	AS ppm	Au# ppb
SX088711	1	18	12	.1	2	10
SX088712	1	14	18	.1	4	5
SX088713	1	13	16	.1	3	5
SX066714	1	96	18	.5	5	5
SX088715	1	37	13	.1	2	5
SX088716	1	53	13	.1	5	5
SX068717	1	203	12	.4	4	5
SX088718	1	47	13	.1	4	5
SX088719	1	40	12	.1	4	5
SX088720	1	21	12	.1	5	5
SX068721	1	23	11	.2	5	5
SX068722	1	28	14	.2	3	5
SX088723	1	40	12	.3	5	5
SX088724	1	52	11	.2	3	5
SX068725	1	33	14	.2	6	5
SX088726	1	35	14	.2	7	5
SX088727	1	33	15	.1	5	5
SX088728	1	37	13	.1	5	5
SX088729	1	28	11	.1	7	5
SX088730	1	29	12	.1	3	5
SX088731	1	29	12	.1	2	5
SX088732	1	23	10	.2	4	5
SX088733	1	23	8	.1	4	5
SX088734	1	27	10	.1	4	5
SX088735	1	19	11	.1	4	5
SX088736	1	69	9	.1	5	5
SX088737	1	19	8	.1	2	10
SX088738	1	23	13	.1	3	10
SX088739	1	23	12	.1	2	115
SX088740	1	40	12	.1	4	30
SX088741	1	34	13	.1	4	10
SX088742	1	32	11	.1	4	5
SX088743	1	22	13	.1	2	5
SX088744	1	30	11	.2	4	5
SX088745	1	77	14	.2	6	10
SX088746	1	34	10	.1	5	10
SX088747	1	35	16	.1	7	90

CANADIAN NICKEL

FILE # 82-0430

SAMPLE #	MO ppm	CU ppm	PB ppm	AG ppm	AS ppm	Au* ppb
SX088748	1	30	12	.1	6	5
SX088749	1	70	14	.1	5	5
SX088750	1	56	13	.1	7	5
SX088751	1	30	16	.1	4	5
SX088752	1	31	17	.1	5	5
SX088753	1	41	12	.1	9	20
SX088754	1	33	17	.1	3	15
SX088755	1	30	13	.1	4	5
SX088756	1	16	14	.1	2	5
SX088757	1	22	18	.1	3	5
SX088758	1	72	20	.1	4	5
SX088759	1	21	12	.2	5	5
SX088760	1	26	11	.1	3	5
SX088761	1	21	11	.2	3	5
SX088762	1	19	9	.1	3	5
SX088763	1	25	10	.1	2	5
SX088764	1	24	14	.1	5	5
SX088765	1	18	12	.1	6	5
SX088766	1	22	13	.1	3	5
SX088767	1	22	11	.1	5	5
SX088768	1	29	13	.1	5	5
SX088769	1	19	11	.2	6	5
SX088770	1	16	9	.1	2	5
STD A-1	1	30	42	.1	13	5
SX088771	1	34	15	.2	2	5
SX088772	1	13	24	.1	3	5
SX088773	1	29	20	.2	2	5
SX088774	1	45	16	.1	2	5
SX088775	1	19	12	.1	3	5
SX088776	1	19	10	.2	7	5
SX088777	1	23	11	.1	2	5
SX088778	1	20	11	.1	2	5
SX088779	1	19	10	.1	3	5
SX088780	2	8	7	.1	2	5
SX088781	1	23	9	.1	5	5
SX088782	1	23	10	.1	3	5
SX088783	1	22	8	.3	2	5

SAMPLE #	MO ppm	CU ppm	FE ppm	AG ppm	AS ppm	Aux ppb
SX088784	1	18	8	.1	6	5
SX088785	1	20	9	.1	2	5
SX088786	1	19	0	.1	2	5
SX088787	1	17	10	.2	6	5
SX088788	1	16	9	.1	2	5
SX088789	1	15	11	.1	11	5
SX088790	1	17	8	.1	5	5
SX088791	1	20	9	.1	6	50
SX088792	1	17	11	.1	6	5
SX088793	1	17	10	.1	6	5
SX088794	1	9	10	.1	4	5
SX088795	1	10	10	.1	2	5
SX088796	1	26	11	.1	3	10
SX088797	1	22	11	.1	7	5
SX088798	1	22	10	.1	6	5
SX088799	1	20	11	.2	2	5
SX088800	1	16	8	.1	4	10
SX088801	1	20	10	.1	5	5
SX088802	1	20	10	.1	4	5
SX088803	1	19	10	.1	4	5
SX088804	1	18	9	.1	5	5
SX088805	1	20	9	.1	5	5
SX088806	1	16	10	.2	2	5
SX088807	1	24	12	.1	6	5

LABORATORIES LTD. 852 E. HASTINGS, VANCOUVER B.C. PH:253-3158 TELEX:04

ICP GEOCHEMICAL ANALYSIS

SAMPLE IS DISESTED WITH 3 ML OF 3:1:5 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
 IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr AND B. Au DETECTION 3 ppm.
 S BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - SOIL/SILT

DATE REPORTS MAILED June 28/82 ASSAYER A. Toy DEAN TOYE, CERTIFIED

CANADIAN NICKEL FILE # 82-0439

	MO ppm	CU ppm	FE ppm	ZN ppm	AG ppm	AS ppm	Aux ppb
8653	1	17	8	115	.1	2	5
8654	1	20	9	63	.1	3	5

APPENDIX B
ROCK SAMPLE DESCRIPTIONS

TRAVERSE NUMBER _____

PROJECT RITA Claims

GEOLOGIST(S) Brian R. Booth

N.T.S. 92-H-9W

AREA Lines 5+00N & 4+00N (West half)

DATE June, 1982

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA N/S	LATITUDE, LONGITUDE and/or U.T.M. East/West	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm /% /oz. per ton)					
	RX <u>Rock</u> Talus	SX Stream Silt, Soil	Grab, Chip, Channel				ppm	ppm	ppm	ppb		
							Cu	Mo	Ag	Au		
RX 045875	"			4+70N	3+80W	Mafic Meta volcanic, fresh surface dark to light green, epidote veining and alteration occurs. Disseminated pyrite (2 to 4%) very soft. Mn staining also occurs. Part of Nicola group.	101	1	0.2	5		
RX 045876	"			3+98N	3+90W	Meta volcanic (basalt-andesite). Color is light to dark green on fresh surface and weather grey black. Epidote alteration and veining. Hornblendes appear to have been slightly recrystallized. Pyrite occurs as fine disseminations. (Nicola group)	157	1	0.2	5		
RX 045877	"			4+72N	4+80W	Meta volcanic feldspar porphyry, fine to medium grained. Minor carbonate veining and shearing occurs. It is extremely altered. It is dark green in color and has Mn staining along fractures. (Nicola group)	118	1	0.1	5		
RX 045878	"			5+00N	5+20W	Meta-volcanic (Basalt to Andesite). Color is grey to green on fresh surface and weathers grey to black. It is slightly sheared and contains carbonate veins. Py occurs as disseminations. (Nicola group)	64	3	0.2	5		
RX 045879	"			3+85N	5+75W	Meta-volcanic (Basaltic to Andesitic). Color is pale green to buff white. Carbonitization is present as well as some epidote alteration. Py is finely disseminated. The outcrop is highly fractured. The sample was fairly soft. (Nicola group)	64	1	0.4	5		

TRAVERSE NUMBER _____

N.T.S. 92-H-9W

PROJECT RITA Claims

AREA Lines 4+00N, 3+00N, 2+00N (West Half)

GEOLOGIST(S) Brian R. Booth

DATE June 1982

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA N/S	LATITUDE, LONGITUDE and / or U.T.M. East/West	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. /% /oz. per ton)					
	RX Rock Talus	SX Stream Silt, Soil	Grab, Chip, Channel				ppm	ppm	ppm	ppb		
							Cu	Mo	Ag	Au		
RX 045880				3+75N	5+60W	Meta volcanic (Basaltic to Andesitic) Color is pale green to green to buff white. Carbonitization occurs. The sample is gossanous and highly fractured. Some epidote is present and pyrite is abundant. (Nicola group)	91	1	0.3	5		
RX 045881				1+75N	2+25W	Meta volcanic (Basaltic to Andesitic) Totally altered (contact metamorphism). Epidote alteration and veins occur. Feldspars are recrystallized. Pyrite is abundant along fractures and as disseminations (10%). (Nicola group)	379	4	0.7	5		
RX 045882				2+50N	3+85W	Meta volcanic (contact metamorphic Hornfels) dark green is color. Epidote alteration is present. Pyrite occurs along fractures and as large cubes. The cubes are secondary and contain xenoliths of host rock gangue (Nicola group)	90	16	0.3	5		
RX 042191				3+08N	3+80W	Meta volcanic (Hornfels). Color is light to dark green. Epidote alteration has occurred. Pyrite occurs as disseminations and along fractures. (Nicola group)	73	20	0.2	5		
RX 042192				1+80N	4+52W	Meta volcanic (Hornfels). Color is pale to dark green. Epidote alteration occur along with carbonate veining. Some hematite staining is also present.	95	1	0.1	5		

TRAVERSE NUMBER _____

PROJECT RITA Claims

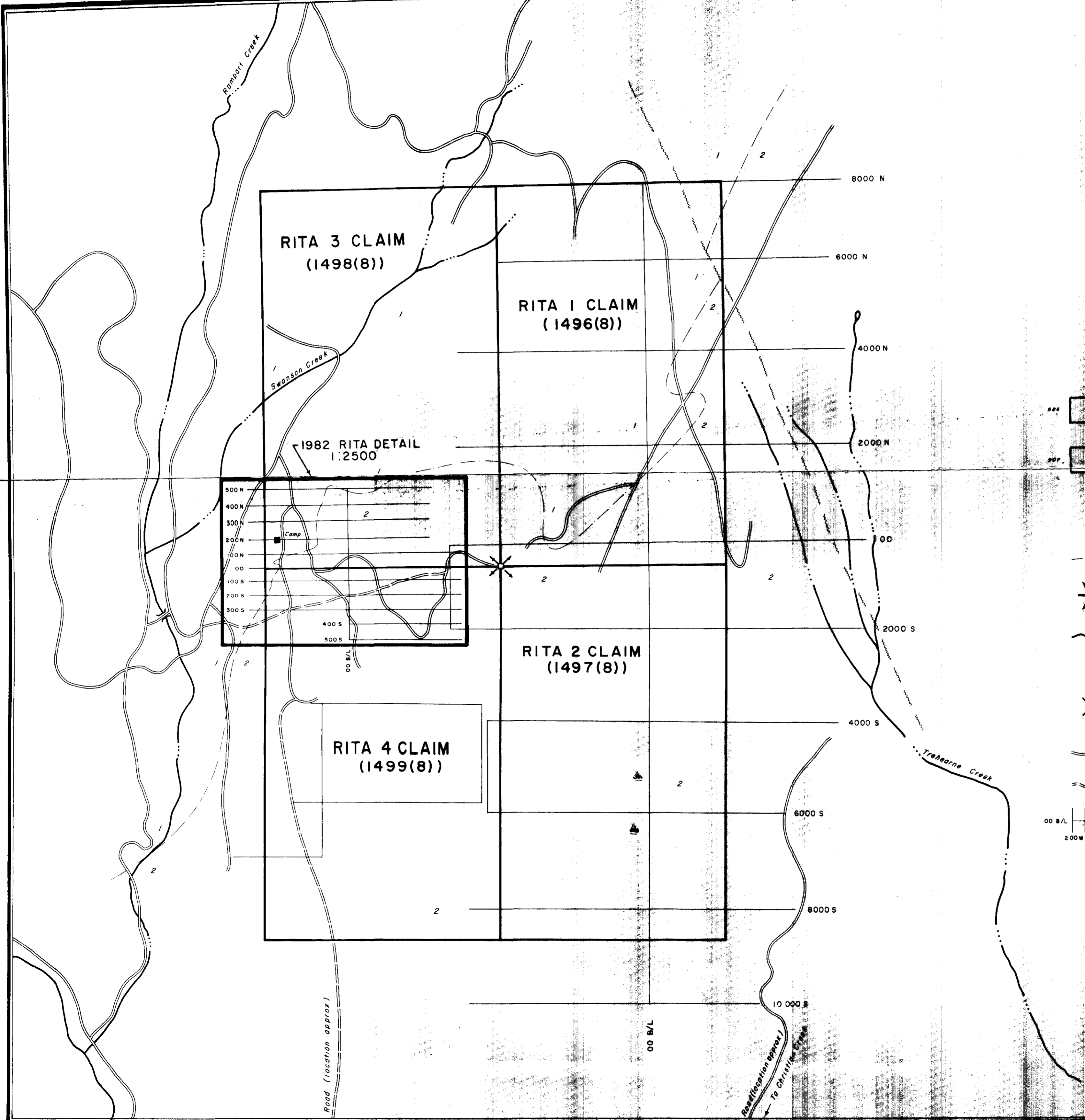
GEOLOGIST(S) Brian R. Booth

N.T.S. 92-H-9W

AREA Lines 4+00N, 1+00N, (West half)

DATE June, 1982

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA N/S	LATITUDE, LONGITUDE and/or U.T.M. East/West	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (p.p.m. /% /oz. per ton)					
	RX <u>Rock</u> Talus	SX Stream Silt, Soil	Grab. Chip, Channel				ppm Cu	ppm Mo	ppm Ag	ppb Au		
RX 042193				3+10N	2+45W	Meta volcanic (Nicola group). Slightly gossanous. Some disseminated pyrite. Epidote alteration and slight bleaching.	112	1	0.4	5		
RX 042194				1+20N	4+85W	Meta volcanic (Nicola group). Highly fractured, epidote alteration. Pyrite occurs disseminated and in veins. Malachite and azurite were observed as frostings along fractures.	2092	2	4.7	50		
RX 042195				3+75N	2+85W	Meta volcanic (Nicola group). Contact metamorphic hornfels. Epidote, feldspar alteration products with biotite zones. Minor carbonitization occurs. Gossan zones also occur. Highly fractured outcrop.	141	5	0.3	5		
RX 042196				1+20N	4+00W	Meta volcanic (Nicola group). (Contact metamorphic Hornfels). Pyrite mineralization occurs. Epidote alteration is present. The rock is fine to medium grained. Gossan zones do occur in some areas. Grey to dark green in color.	73	3	0.2	5		
RX 042197				0+55N	3+76W	Meta volcanic (Nicola group) (Contact Meta-morphic Hornfels). Extremely altered, contains epidote disseminated pyrite. The outcrop is highly fractured. Gossan zones do occur. The sample is magnetic. (Magnetite is present.)	66	1	0.1	5		



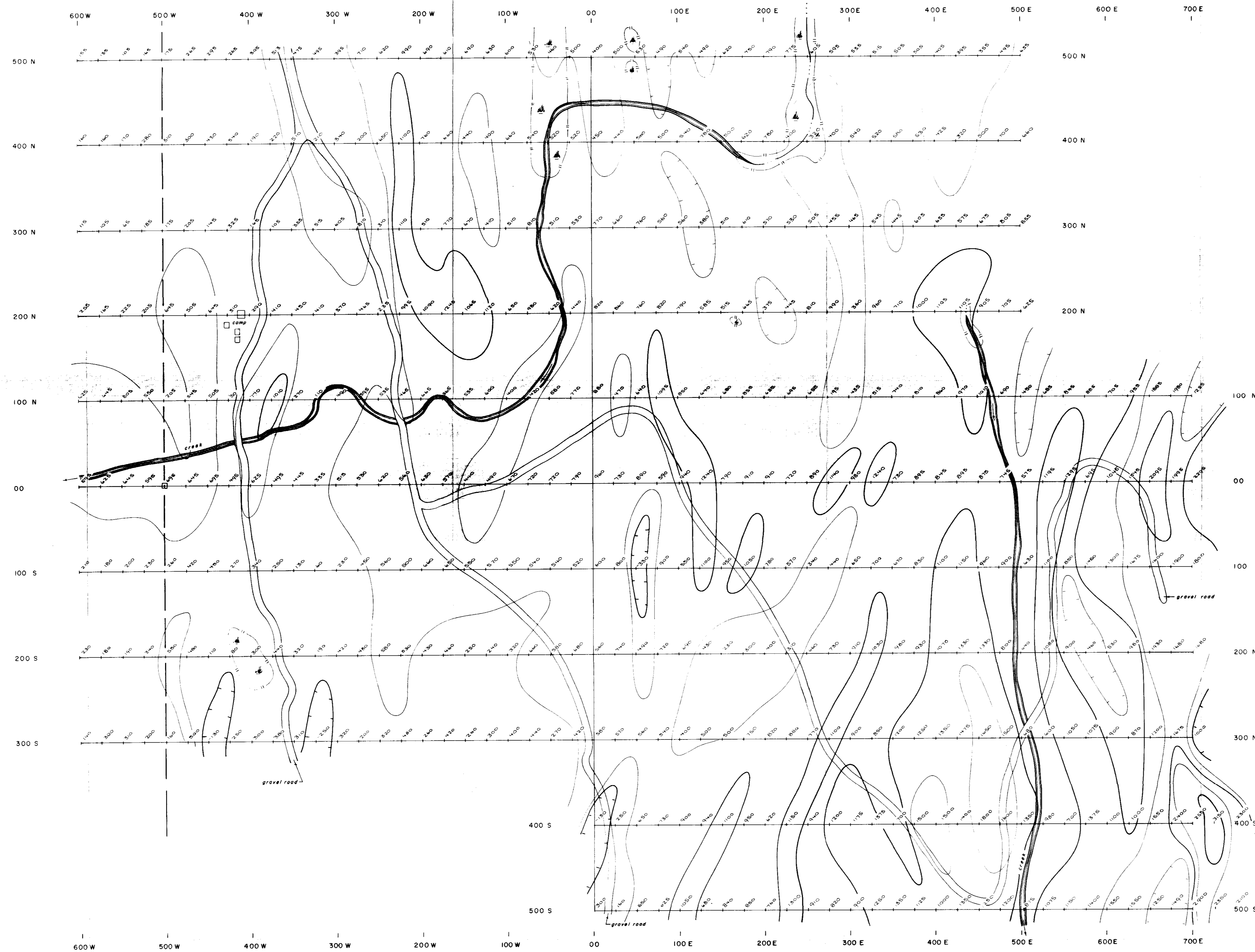
LEGEND

- Basal Mountain Intrusives - Granite, granodiorite, diorite, quartz, diorite
- Basalt (feldspar) porphyry flows, andesite, basalt, crystal ash tuffs, tuffaceous arenites.
- Geological Contact
- Legal Claim Post & Claim Boundaries
- Stream
- Swamp
- Bridge
- Logging Road (Good Condition Driveable)
- Logging Road (Poor or Condition Uncertain)
- Grid Limits and Co-Ordinates

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,703

Canadian Nickel Company Limited		Copper Cliff, Ontario POM 1NO	
GEOLOGICAL COMPILATION MAP		SHEET	FIGURE
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION	
Supervisor: E. J. Debicki	Instrument:	Survey date:	
Geologist: E. J. Debicki	Drawn by: D. W. Walsh	Date drawn: October 1982	Revised:
Scale: 1:400	File:	N.T.S. 92 H 9 W	

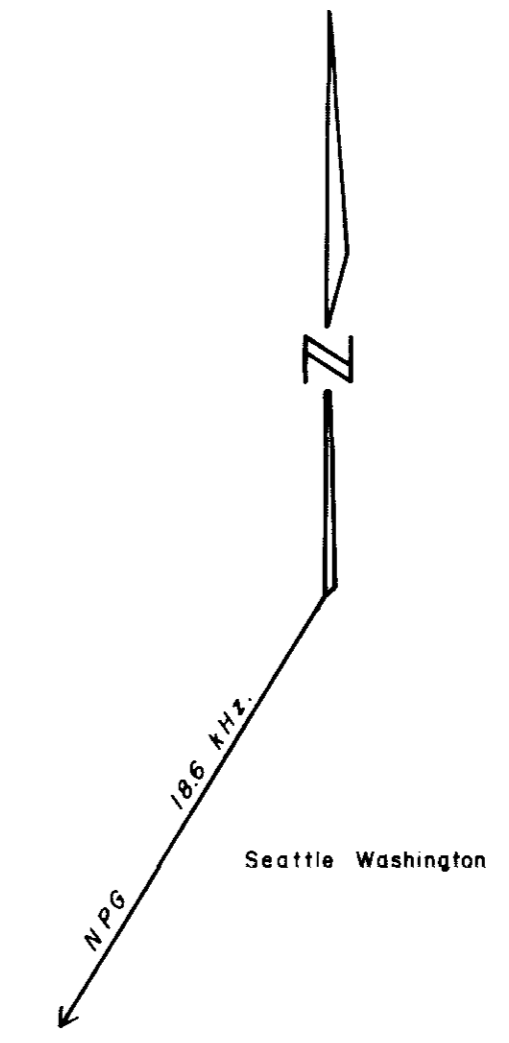
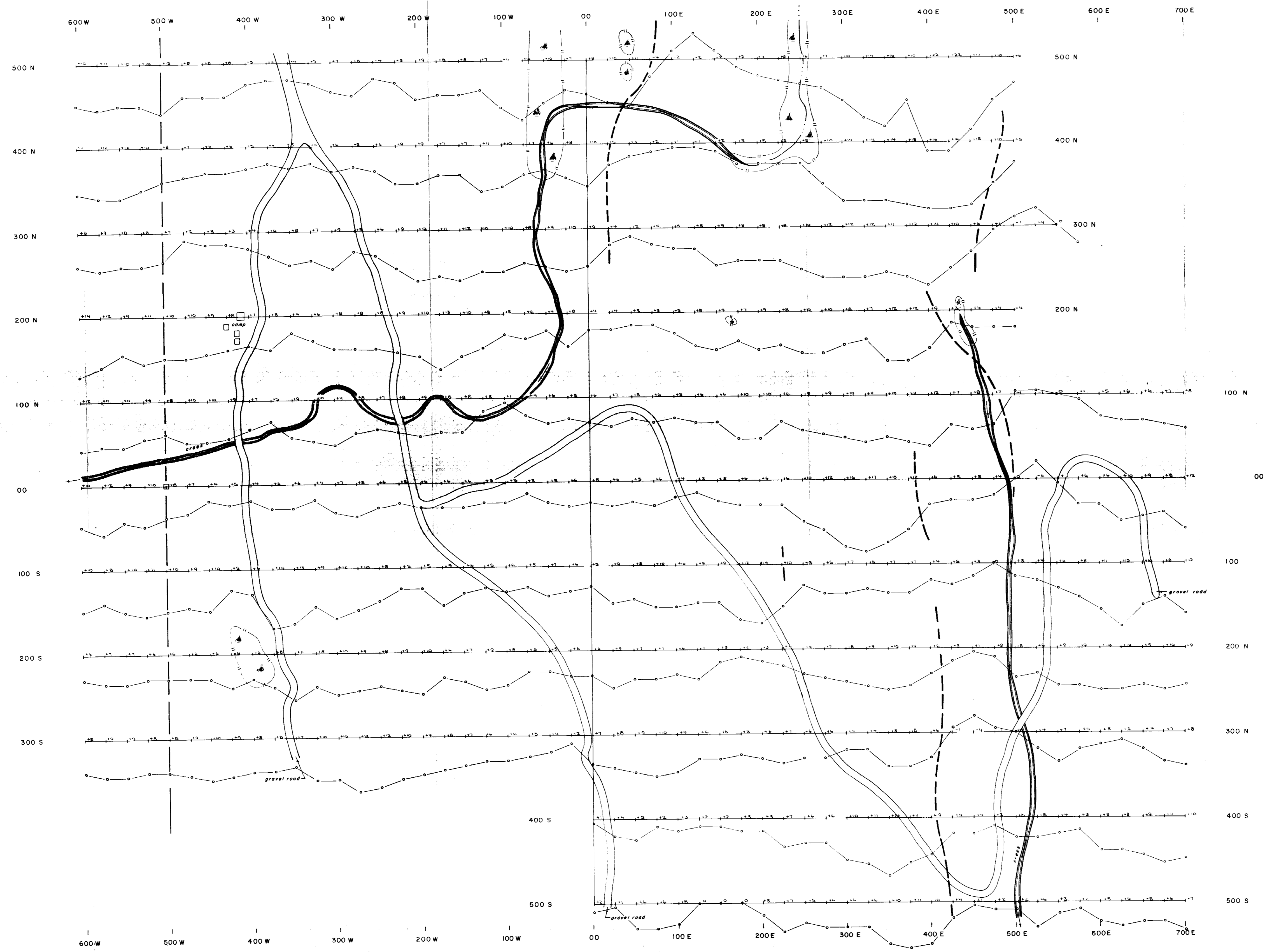


Magnetic readings in gammas — 100
 Contour interval = 500 gammas
 Isomagnetic lines 0, 1000
 500
 RELATIVE LOW

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

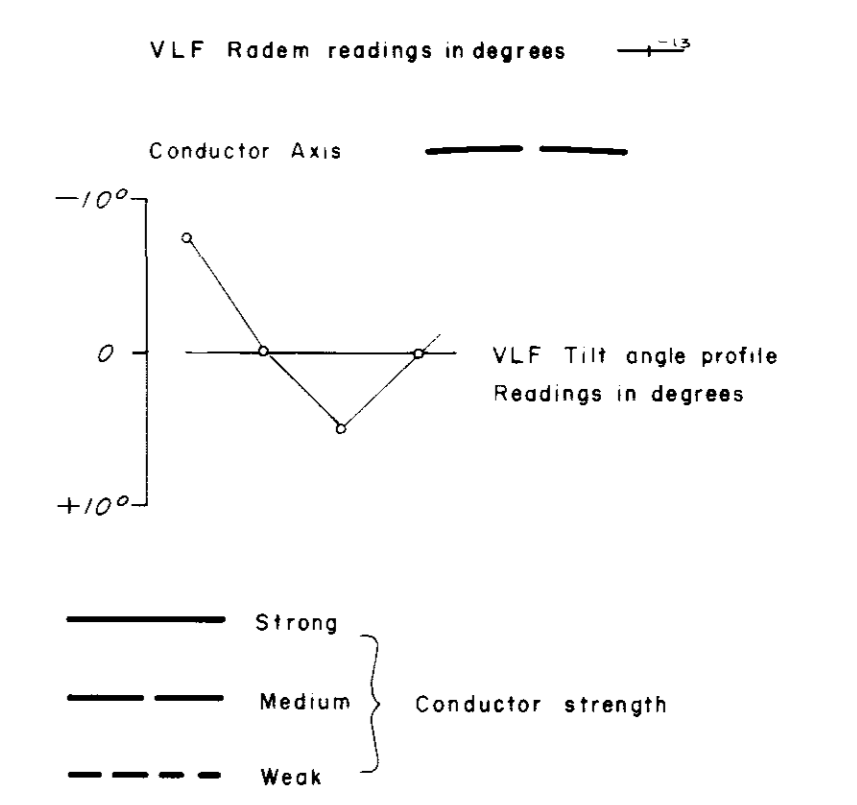
10,703

Canadian Nickel Company Limited		Sheet No.	Figure
MAGNETOMETER SURVEY			12
Project: RITA CLAIMS DETAIL		Area: SIMLKAMEEN MINING DIVISION	
Supervisor: E.J. Debicki	Instrument: MFI Model 321	Survey date: June, 1982	
Compiled by: C. Ravnaas	Drawn by: D.W. Walsh	Date drawn: October, 1982	Revised:
Scale: 1:2500	File:	NTS Part of 92 H9 W	

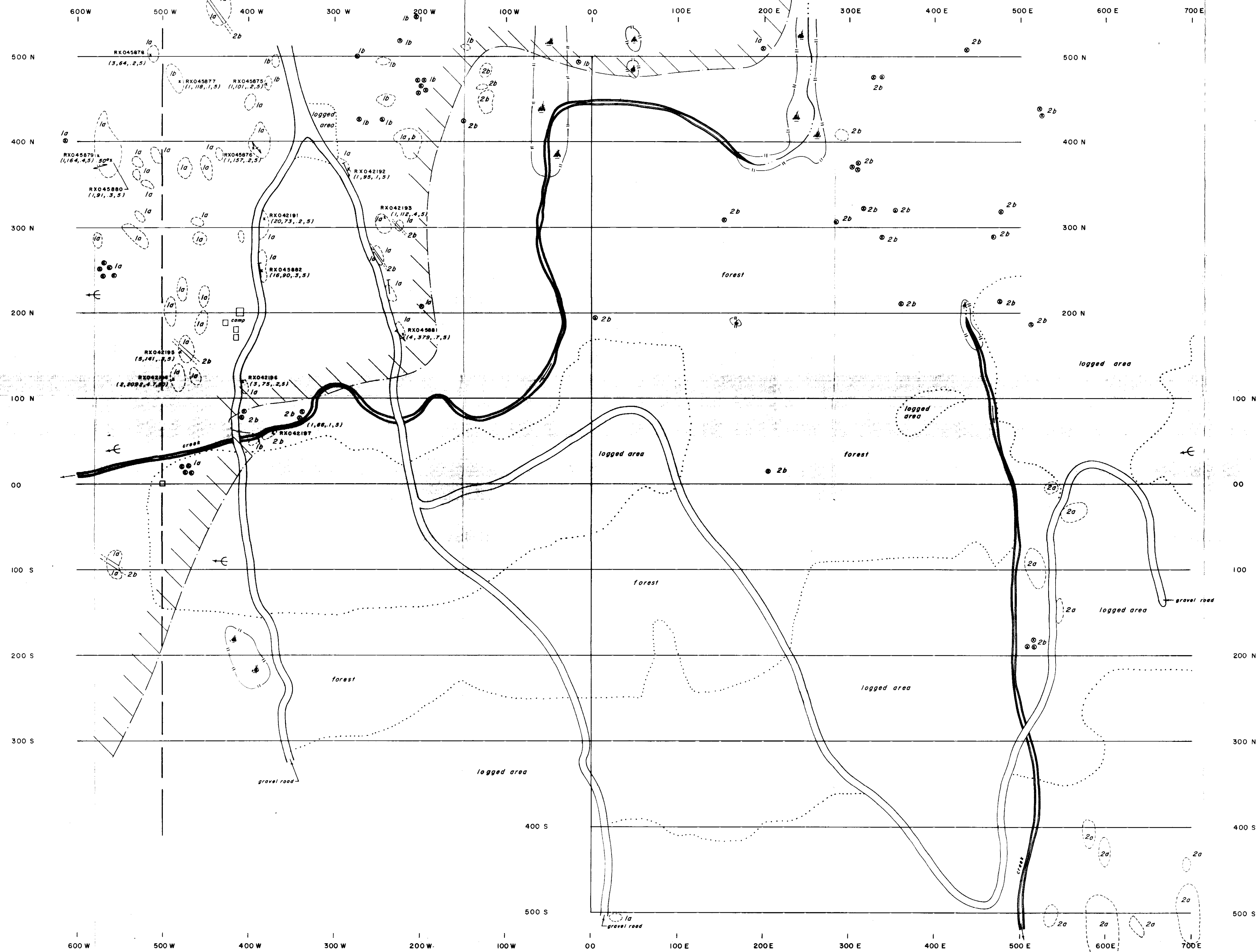


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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Canadian Nickel Company Limited		Copper Cliff, Ontario PCN INC	
VLF RADEM SURVEY		SHEET	FIGURE
Project: RITA CLAIMS DETAIL		Area: SIMLKAMEEN MINING DIVISION	
Supervisor: E.J. Debicki	Instrument: Radem VLF	Survey date: June, 1982	
Compiled by: C. Ravnos	Drawn by: D.W. Walsh	Date drawn: October, 1982	Revised:
Scale: 1:2500	File:	N.T.S. Part of 92 H9W	



LEGEND

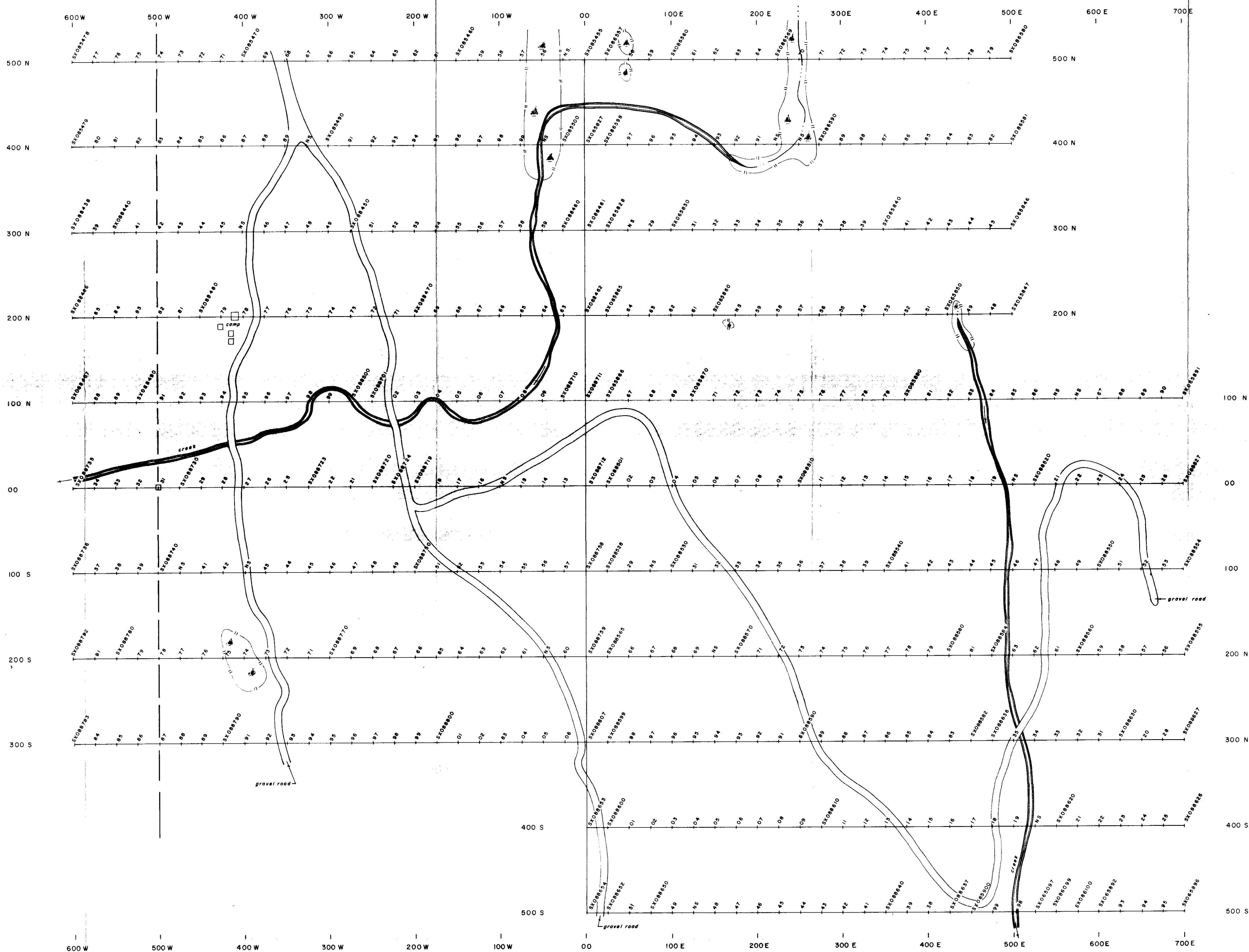
COLOUR	AGE	LITHOLOGY
222	Middle Jurassic	Coast Mountain Intrusions: 2a Diorite to quartz diorite (Pennask Batholith) 2b Granodiorite to granite also occur as minor dykes.
207	Lower Jurassic - Upper Triassic	Nicola Group: Meta volcanic basalts, andesite, tuffs. 1a Epidote-hornblende-hornfels gray-green, fine to medium grained containing minor carbonitized zones 1b Meta volcanic feldspar porphyry

	Hornfelsed contact aureole
	Outcrop
	Rock sample number and location
	Angular float location
	Swamp or marsh
	Geological contact (assumed, defined)
	Boundary of logged areas
	Foliation (vertical, inclined)
	Jointing (vertical, inclined)
	Rock sample results (Mo, Cu, Ag, Au) ppm ppb
	Slope and slope direction

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Canadian Nickel Company Limited		Copper Cliff, Ontario POM 1N0	
GEOLOGICAL COMPILATION MAP		SHEET	FIGURE
		4	4
Project: RITA CLAIMS DETAIL		Area: SIMLKAMEEN MINING DIVISION	
Supervisor: E.J. Debicki	Instrument:	Survey date: June, 1982	
Compiled by: B. R. Booth	Drawn by: D. W. Walsh	Date drawn: October, 1982	Revised:
Scale: 1:2500	File:	N.T.S. Part of 92 H9W	

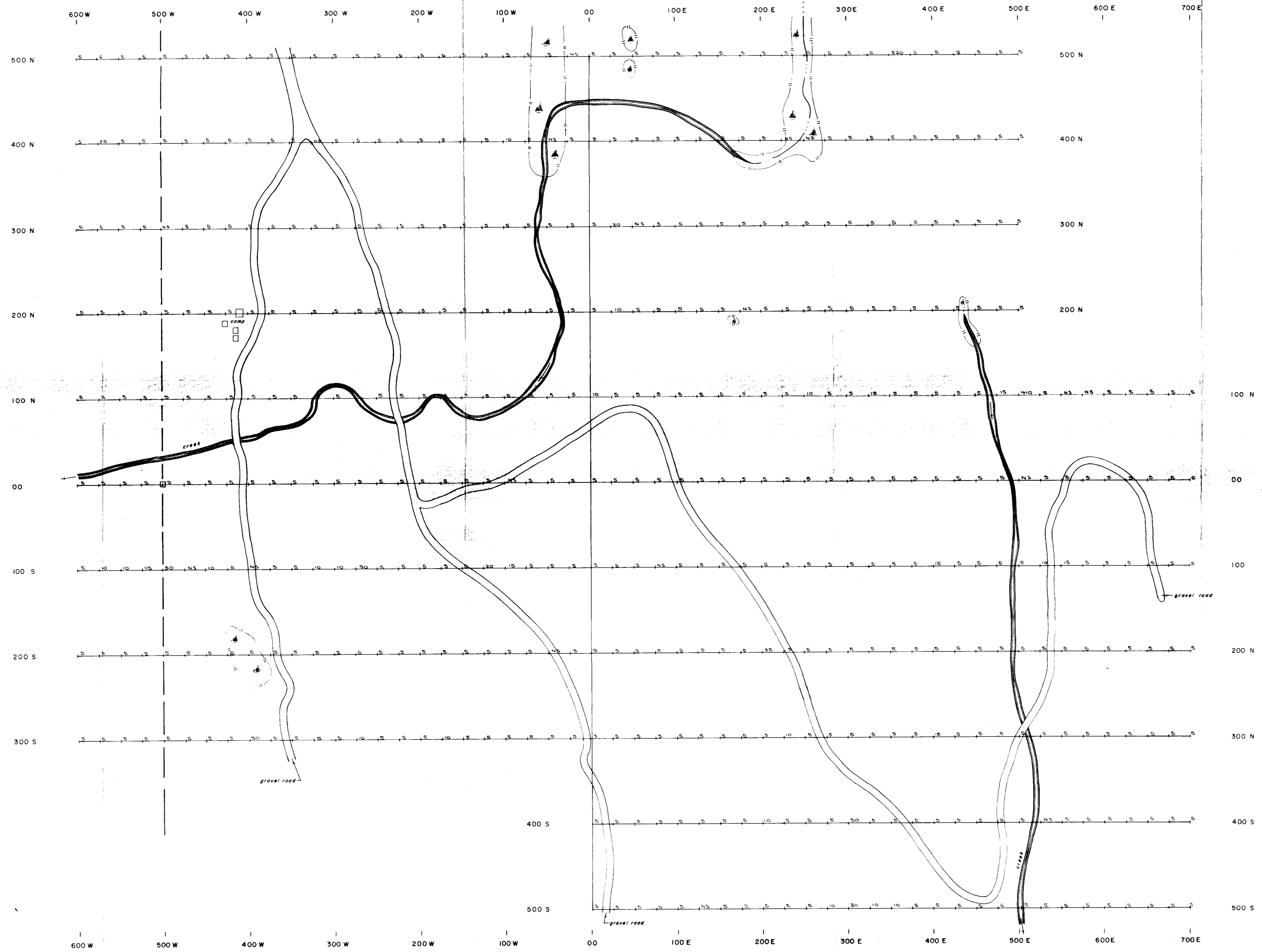


Soil sample location and sample number

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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Canadian Nickel Company Limited		Copper Cliff, Ontario POM 1ND	
SOIL SAMPLE LOCATIONS		SHEET	FIGURE
			5
Project RITA CLAIMS DETAIL		Area SIMLKAMEEN MINING DIVISION	
Supervisor E.J. Debicki	Instrument	Survey date June, 1982	
Compiled by R. Allum	Drawn by D.W. Walsh	Date drawn October, 1982	Revised
Scale 1:2500	File	NTS Part of '92 H9W	

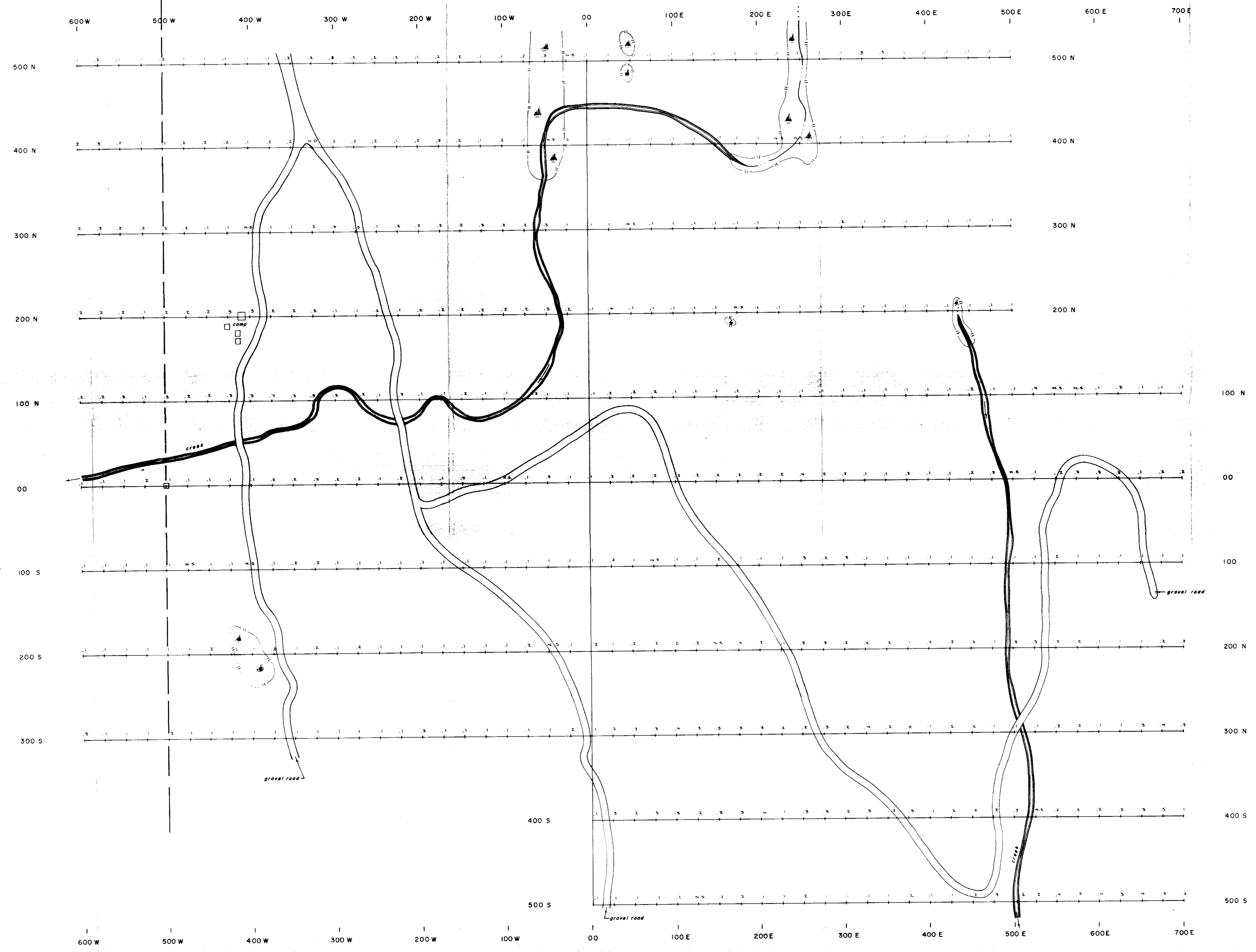


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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—S— Geochemical results for Au in ppb

Canadian Nickel Company Limited		Copper, G.M., Ontario E.M., I.A.O.	
SOIL SAMPLE RESULTS Au in ppb			SHEET 6
Project: RITA CLAIMS DETAIL		Area: SIMLKAMEEN MINING DIVISION	
Supervisor: E.J. Debicki	Instrument:	Survey date: June, 1982	
Compiled by: R. Allum	Drawn by: D.W. Walsh	Date drawn: October, 1982	Revised:
Scale: 1:2500	File:	N.T.S. Part of 92 H9 W	

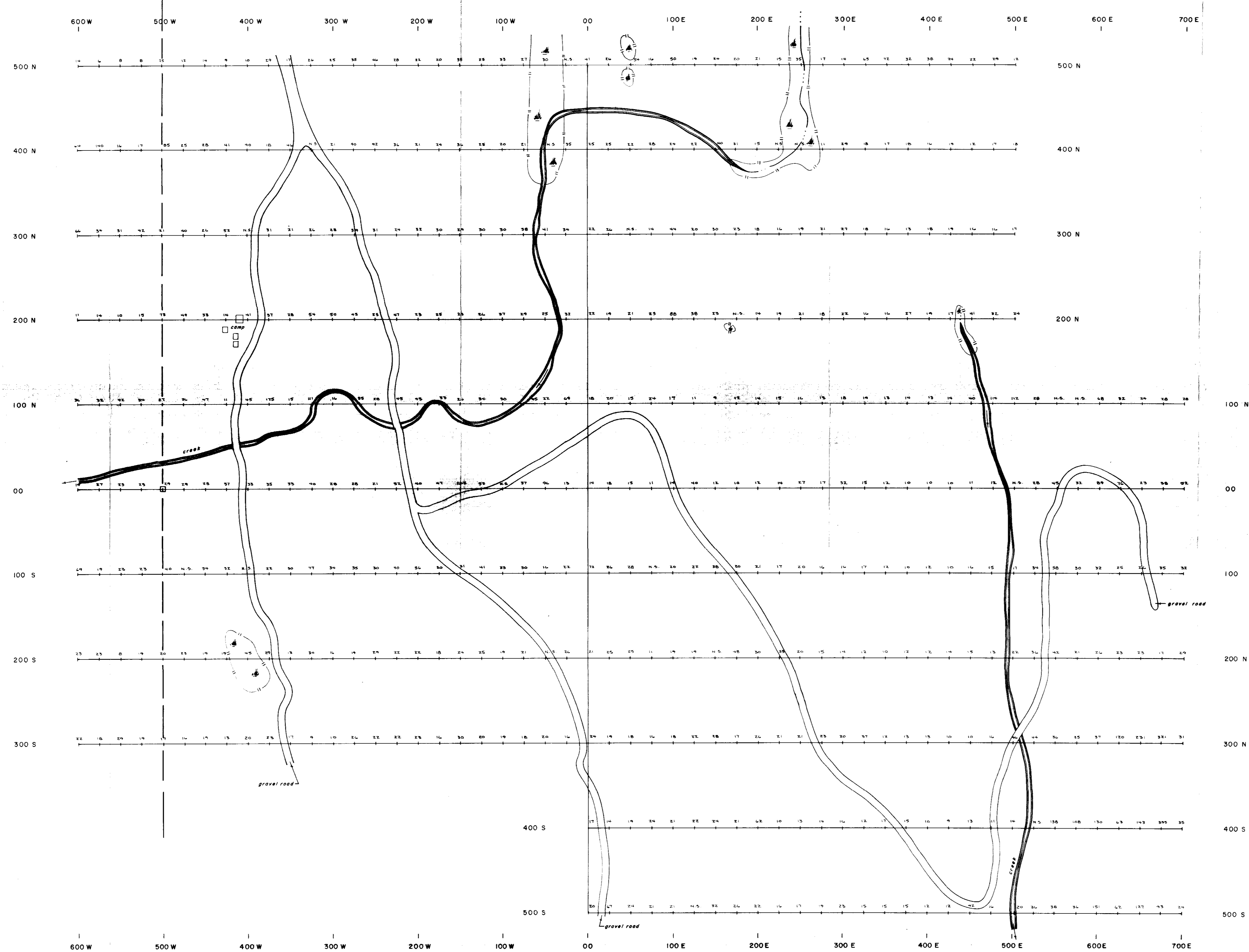


**GEOLOGICAL BRANCH
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Geochemical results for Ag in ppm.

Canadian Nickel Company Limited		Copper Cliff, Ontario D.M. 110	
SOIL SAMPLE RESULTS Ag in ppm			SHEET
			FIGURE
Project: RITA CLAIMS DETAIL			Area: SIMILKAMEEN MINING DIVISION
Supervisor: E.J. Debicki	Instrument:	Survey date: June, 1982	
Compiled by: R. Altum	Drawn by: D.W. Walsh	Date drawn: October, 1982	Revised:
Scale: 1:2500	File:	N.T.S. Part of 92 H9 W	

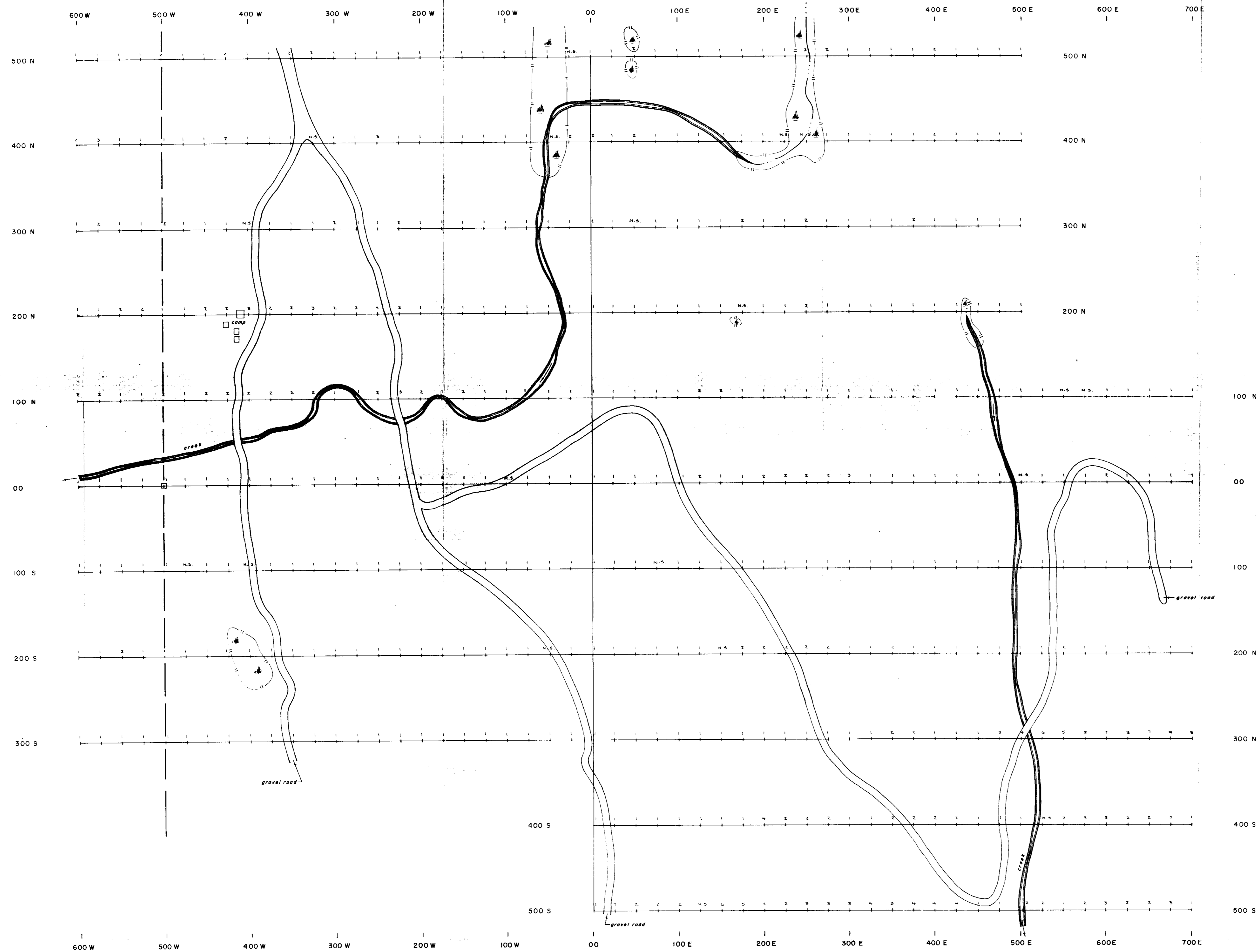


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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Geochemical results for Cu in ppm.

Canadian Nickel Company Limited		Copper - CIM, Ontario POM - NO	
SOIL SAMPLE RESULTS Cu in ppm			SHEET
			FIGURE
			8
Project: RITA CLAIMS DETAIL		Area: SIMILKAMEEN MINING DIVISION	
Supervisor: E.J. Debicki	Instrument:	Survey date: June, 1982	
Compiled by: R. Allum	Drawn by: D.W. Walsh	Date drawn: October, 1982	Revised:
Scale: 1:2500	File:	N.T.S. Part of 92 H9W	

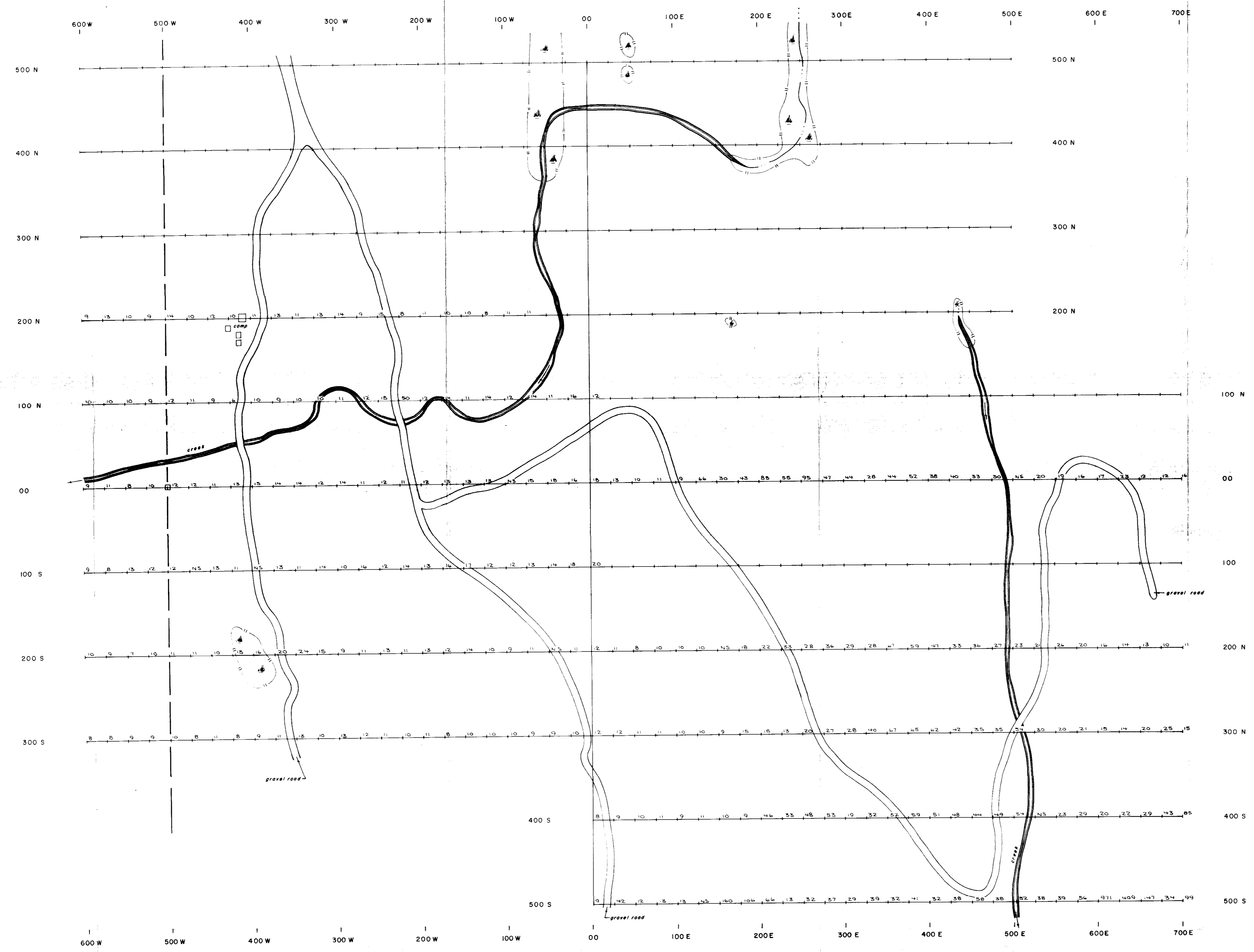


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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Geochemical results for Mo in ppm.

Canadian Nickel Company Limited		Copper Cliff, Ontario ROM INC	
SOIL SAMPLE RESULTS Mo in ppm		SHEET	FIGURE
			9
Project: RITA CLAIMS DETAIL		Area: SIMILKAMEEN MINING DIVISION	
Supervisor: E.J. Debicki	Instrument:	Survey date: June, 1982	
Compiled by: R. Allum	Drawn by: D.W. Walsh	Date drawn: October, 1982	Revised:
Scale: 1:2500	File:	NTS. Part of 92 H9W	

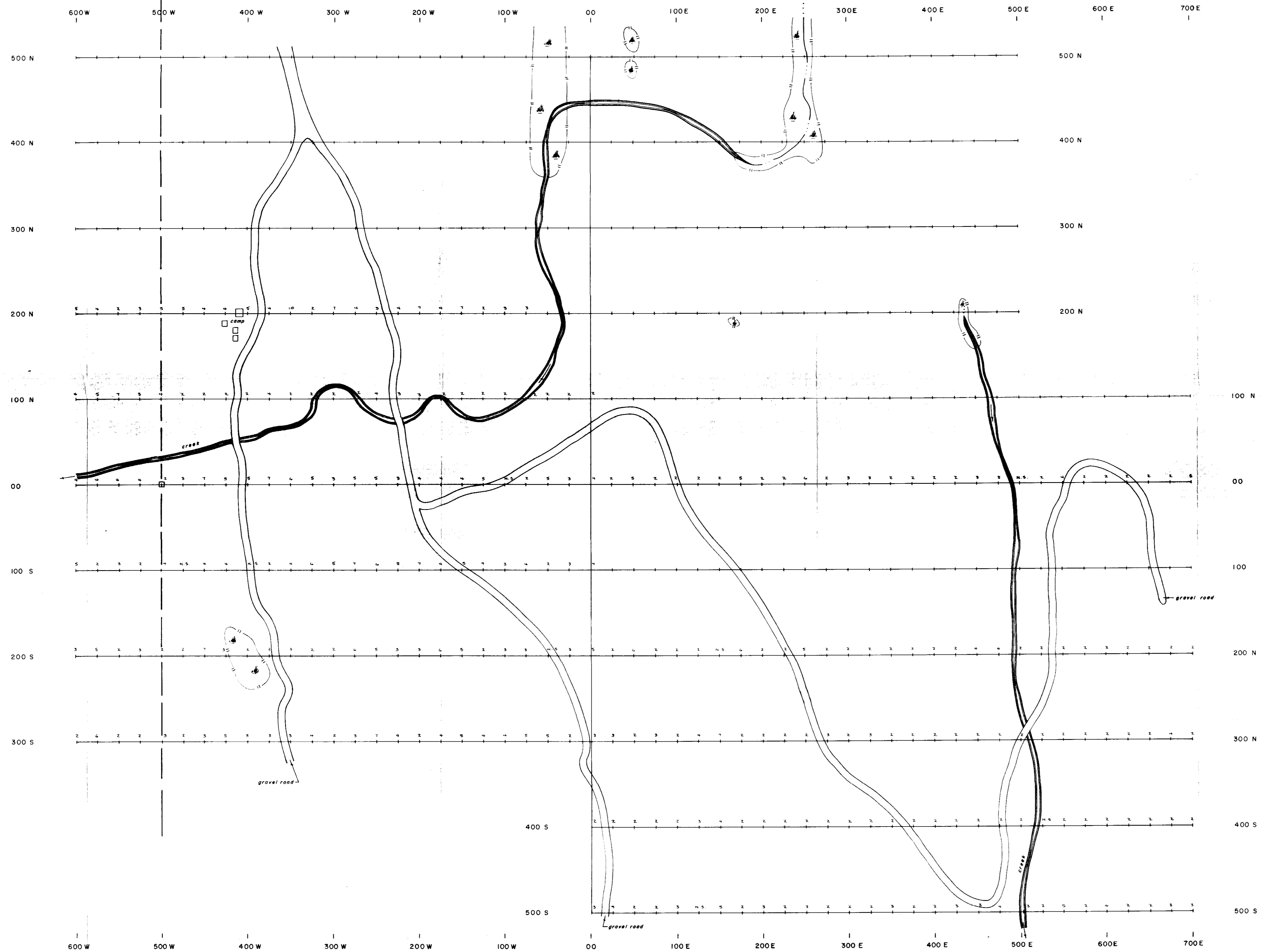


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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Geochemical results for Pb in ppm

Canadian Nickel Company Limited		Copper Cliff, Ontario POM 110	
SOIL SAMPLE RESULTS Pb in ppm		SHEET	FIGURE
			10
Project: RITA CLAIMS DETAIL		Area: SIMLKAMEEN MINING DIVISION	
Supervisor: E.J. Debicki	Instrument:	Survey date: June, 1982	
Compiled by: E.J. Debicki	Drawn by: D.W. Walsh	Date drawn: October, 1982	Revised:
Scale: 1:2500	File:	NTS Part of 92 H9 W	



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ASSESSMENT REPORT

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- +— Geochemical results for As in ppm
- * Not all soil samples analyzed for As

Canadian Nickel Company Limited		Copper Cliff, Ontario POM, INC.	
SOIL SAMPLE RESULTS As in ppm		SHEET	FIGURE
Project RITA CLAIMS DETAIL		Area SIMILKAMEEN MINING DIVISION	
Supervisor E. J. Debicki	Instrument	Survey date June, 1982	
Compiled by E. J. Debicki	Drawn by D. W. Walsh	Date drawn October, 1982	Revised
Scale 1:2500	File	NTS Part of 92 H9 W	