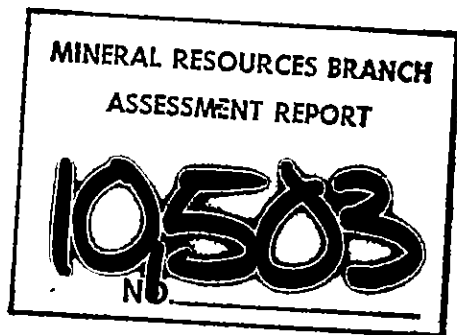


Prospecting and Geochemical Report
on the
RITA CLAIMS
located in the
SIMILKAMEEN MINING DIVISION
92-H-9W
(49°38' North and 120°28' West)
owned and operated by
Canadian Nickel Co. Ltd.
80 - 10551 Shellbridge Way
Richmond, British Columbia V6X 2W8



written by

Peter Peto

and

E.J. Debicki

May 10, 1982

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1. INTRODUCTION

1.1 Location, Access and Physiography

The Rita 1-4 claims are located between Summers Creek and Hayes Creek about 20 km NNE of Princeton, B.C. (Fig. 1). The claims are accessible from the Rampart Creek logging road which branches off the main Summer Creek road. A network of recently constructed logging roads cover the Rita 1, 3 and 4 claims whereas the SE corner of the Rita 2 claim is accessible by an old logging road along Christiana Creek. The claims lie on gently undulating, strongly glaciated, uplands of the Interior Plateau at elevations between 1100 and 1585 metres above sea level.

1.2 Property Definition

The Rita claims (60 units) were staked by the writer on July 8, 1981 and consist of the following claim blocks:

<u>Claim Name</u>	<u>Size</u>	<u>Record No.</u>	<u>Recording Date</u>
Rita #1	5N x 3E	1496 (8)	August 6, 1981
Rita #2	5S x 3E	1497 (8)	August 6, 1981
Rita #3	5N x 3W	1498 (8)	August 6, 1981
Rita #4	5S x 3W	1499 (8)	August 6, 1981

Figure 2 outlines the Rita claims on NTS sheet 92-H-9W.

1.3 Previous History

The Princeton area underwent extensive porphyry copper exploration from 1966 to 1972 as a result of the successful development of the Copper Mountain prospect south of Princeton. 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). The present work program reported herein was undertaken by Canadian Nickel during the period between July 9 - 13, 1981 on the basis of reconnaissance exploration in the Trehearne Creek area between June 8 - 24, 1981 (stream sediment sampling and geological mapping). The work consisted of collecting soil samples at 100 metre intervals along flagged grid lines spaced 600 metres apart. A total of 331 soil, 60 silt, and 20 rock samples were collected. Road cuts, along newly constructed roads, were examined and the general geology of the property was mapped. Map 1 summarizes the present claim status, position of aeromagnetic anomalies and available assessment reports covering the Rita claims area.

2. REGIONAL GEOLOGY

The geology of the Princeton Map area is described by Rice (1960). In the area of the Rita claims, Upper Triassic volcanic flows and volcani-

clastic sediments were intruded by Middle Jurassic granitic rocks of the "Osprey Lake" intrusions. Recent mapping (Preto, 1979) indicates that the Axe Cu-Mo prospect located to the west of the Rita claims, contains about 63 million tons of 0.5% Cu in Nicola volcanics intruded by epizonal, Upper Triassic, diorites. The Summers Creek Valley represents a major, north trending fault zone, separating subaerial and submarine flows to the west, from volcanoclastic breccias and arenites to the east. The eastern belt was intruded by Upper Cretaceous granite near the junction of Rampart Creek with Summers Creek. Numerous copper showings are known to occur west of the Summers Creek fault.

3. PROPERTY GEOLOGY

The geology of the Rita claims is based on limited field observation during reconnaissance road traverses and soil sampling. Broadly inferred geological contacts illustrate the geological environment of the claims. Three broad geological units were recognized, namely: a northeast trending belt of highly magnetic, quartz diorites (Unit 3) which intrude crystal-ash tuffs and arenites (Unit 2) and basalt flows (Unit 1) of the Nicola group to the west which are intruded in turn by granites belonging to the "Osprey Lake" intrusions (Units 4 and 5) to the east. These geological units are transected by major NE and NW trending fault zones. Map 2 summarizes the general geology of the Rita claims and vicinity.

3.1 Rock Units

Unit 1 consists of greenish and greenish grey, basalt porphyry flows consisting of labradorite phenocrysts set in a aphanitic matrix composed of devitrified glass, granular magnetite, apatite, relict augite and secondary chlorite.

Unit 2 consists of reddish to greenish grey, compact, crystal-ash tuffs and tuffaceous arenites consisting of alkali feldspar crystals set in a micro-crystalline matrix composed of feldspar, quartz, augite? granules with secondary sericite, chlorite, carbonate, epidote, zoisite, pyrite, zeolite and clay.

Unit 3 consists of dark grey to greenish-grey, medium grained, quartz diorites. Microscopically, quartz diorites show inequigranular to porphyritic textures consisting of blocky, zoned andesine crystals, subhedral hornblende prisms, interstitial quartz, k-feldspar with secondary chlorite, epidote, actinolite, pyrite and biotite locally; apatite, magnetite and sphene are accessories.

Unit 4 consists of beige to pink, leucocratic, granodiorite porphyry composed of orthoclase megacrysts set in a medium grained matrix of oligoclase, alkali-feldspar, quartz and biotite.

Unit 5 consists of beige, fine to medium grained, hololeucocratic granite or aplitic granite.

Thin section reports are included as Appendix B.

3.2 Structure

Aeromagnetic linears and coincident topographic lineaments suggest that major faults are an important part of the property geology. These faults are believed to coincide with valleys of Rampart Creek, Swanson Creek and the northern portion of Trehearne Creek. A conspicuous offset of two aeromagnetic highs, corresponding to quartz-diorite intrusions situated on Rita 1 and Muf claims, suggests considerable right-lateral movement on the Swanson Creek fault.

3.3 Mineralization and Alteration

Fracture controlled chalcopyrite in quartz diorite occurs on the north side of Swanson Creek. Traces of disseminated molybdenite was observed in granodiorite porphyry on the Rita 1 claim. Abundant disseminated and fracture controlled pyrite with minor chalcopyrite was observed in road cuts exposing highly altered tuffs on Rita 3 claim. These rocks appear somewhat hornfelsed, contain prophyllitic alteration products, and may represent a contact metamorphic zone adjacent to a large quartz diorite intrusive. Nearby silts carry anomalous copper concentrations.

4. GEOCHEMICAL SURVEY

Reconnaissance soil sampling traverses consisting of flagged grid lines, running E-W, spaced 600 metres apart, were sampled at 100 metre intervals. Soil samples were collected from the "B" horizon at depths ranging from 5 to 30 centimetres. Geochemical samples were obtained from podzolic soils developed over transported glacial overburden varying in depth from less than 1 metre on hillsides to more than 30 metres near valley bottoms. Silt samples were collected from poorly developed, intermittent streams, usually choked with organic oozes. Rock samples, consisting of about half a kilogram of rock chips, were collected largely from road cuts since outcrop comprises less than about 2 percent of the claim area.

Geochemical samples were sent to Acme Analytical Laboratories Ltd. for analysis. Soils were analyzed for Cu and Mo while rocks and silts were principally analyzed for Cu, Mo, Au, and Ag. Soil and silt samples are dried, sieved to -80 mesh, and a 0.5 gram sieve fraction was partially digested with 3 mls of aqua regia in a water bath at 90° for one hour. Digested samples were diluted with water to 10 mls and analyzed by atomic absorption. Rock samples were crushed to less than 100 mesh, digested in a similar manner, and analyzed using 'induced coupled plasma' (ICP) spectroscopy for 26 elements. Au contents were determined to 5 ppb using atomic absorption. Geochemical results are listed in Appendix A.

Probability plots based on 331 soil and 60 silt samples collected during the geochemical survey of the Rita claims were constructed for Cu and Mo. Using these probability plots the following statistical constraints were established to interpret the results:

	<u>Copper (ppm)</u>	<u>Molybdenum (ppm)</u>
range	5 - 295	1 - 12
average	17	1.8
background range	5 - 50	1 - 4
threshold	50	4
definitely anomalous	70	7

4.1 Stream Sediment Geochemistry

A total of 60 skarn sediment samples were collected on the Rita claims and surrounding area during the period June 10 - June 24, 1981. The cost of collecting and analyzing these samples is not included in the Statement of Expenditures for this report. The location and analytical geochemical results are plotted on Map 3.

On the basis of the probability plot calculations, anomalous values for Cu and Mo are in reasonable agreement with other geochemical surveys in the Princeton area (Newell & Peatfield, 1971). Stream sediment samples collected from the headwaters of Trehearne Creek and Swanson Creek were weakly anomalous in molybdenum. These values, however, may be false anomalies due to scavenging effects of organics. Significant Cu anomalies of 125 and 290 ppm were obtained from stream sediments draining pyritic tuffs at the southern end of the Rita 3 claim.

4.2 Soil Geochemistry

Previous geochemical surveys reported by Trenholme (1978), Chisholm (1971), Tully (1971) and Montgomery (1970) indicated scattered, small, low level, Cu soil anomalies and were interpreted to be spurious. Similar results were obtained from present soil samples. Notwithstanding previous investigators, present soil survey results in conjunction with previous surveys, suggest the presence of low grade copper mineralization, obscured by transported overburden, on the western slopes of Trehearne Mountain. Prohibitively, thick overburden cover, combined with poor hydromorphic soil conditions may preclude the use of shallow soil sampling to delineate the location of mineralized bedrock in this area. Soil sample locations and results are plotted as Maps 5, 5a and 5b.

4.3 Lithochemistry

Selected rock chip samples of highly pyritic quartz diorites (Unit 3) and felsic volcanoclastics (Unit 2) indicate the presence of anomalous concentrations of Cu, Mo, Ag and As locally. Present data suggests that the pyritic zone is about 1500 by 900 metres in area and covers a poorly

defined contact zone between quartz diorite and felsic volcanoclastic country rocks, centered approximately on the common claim boundary of the Rita 3 and 4 claims (Map 4).

5.0 CONCLUSIONS AND RECOMMENDATIONS

The foregoing considerations suggest that the Rita claims may cover a geological environment that could potentially host a porphyry copper deposit similar to Copper Mountain or the Axe properties. Detailed geological mapping, boulder prospecting, ground magnetometer surveys and reconnaissance IP traverses to establish the significance of stream sediment and rock geochemical Mo and Cu values is recommended for that area of the Rita claims centered on the common claim boundary of Rita 3 and Rita 4. Detailed soil sampling should be completed over those portions of the area where overburden thickness and hydromorphic dispersion effects are not significant.

REFERENCES

- Chilsholm, M. A., 1971: Geochemical Report on the KOR group of mineral Claims: B.C. Assessment Report 3364
- Montgomery, J. M., 1970: Geochemical Report on the ER 1-8 mineral claims: B.C. Assessment Report 2986
- Newell, P. and Peatfield, G. R., 1971: Geological and Geochemical Report on Dig, Ted, Ken, Snow and Pat claims: B.C. Assessment Report #3396
- Preto, V., 1969: Geology of the Nicola Group between Merritt and Princeton: B.C.D.M. Bulletin 69
- Rice, H. M. A., 1960: Geology and Mineral deposits of the Princeton Map area: G.S.C. Memoir 243
- Trenholm, L. S., 1978: Muf Mineral Claim: B.C. Assessment Report 6809
- Tully, D. W., 1971: Report on Kat 527-540...Mineral Claims: B.C. Assessment Report #3395

RITA 1-4 CLAIMS
STATEMENT OF EXPENDITURES

Personnel

Peter Peto	- 5 days @ 181	905.00	
Alex Tworo	- 5 days @ 67	335.00	
Brian Booth	- 5 days @ 71	355.00	
Ian White	- 5 days @ 71	355.00	
Maria Nitins	- 5 days @ 78	390.00	
Robert Arthur	- 1 day @ 95	95.00	
Jeff Neufeld	- 1 day @ 71	<u>71.00</u>	

2,506.00 \$2,506.00

Personnel Expenses

Accommodation - Town/Travel	593.60	
Subsistence - 27 man days @ \$20	<u>540.00</u>	1,133.60

Transportation

Truck rental - 2 trucks for 5 days @ 100/day	500.00	
Fuel	<u>136.00</u>	636.00

Analytical

Soil - 311 @ 2.65	877.15	
Rock - 20 ICP @ 12.25	245.00	
- 20 Au @ 3.25	<u>65.00</u>	1,187.15

Miscellaneous

Freight	40.00	
Thin Section Preparation - 9 @ \$6 each	54.00	
Equipment & Supplies	<u>35.00</u>	129.00

Report Preparation

P. Peto - 3 days @ 181	543.00	
E. J. Debicki - 3 days @ 250	750.00	
D. Walsh (drafting)	930.00	
B. Halbert (drafting)	<u>396.00</u>	<u>2,619.00</u>

Total: \$8,210.75

AUTHOR'S QUALIFICATIONS

I, Peter S. Peto, hereby certify as follows:

I am a graduate geologist with B.Sc. and M.Sc. degrees from the University of Alberta and a Ph.D. degree from the University of Manchester in England.

I am a registered member, in good standing, of the Geological Association of Canada.

I am presently employed in the capacity of project geologist with Canadian Nickel Company Limited in the Vancouver district office.

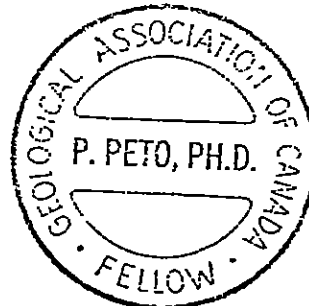
I have been practicing my profession since 1970.

I have prepared this work assessment report on the work performed on behalf of Canadian Nickel Company Limited.

Respectfully Submitted,

Peter Peto
Peter Peto, Ph.D.

October 15, 1981

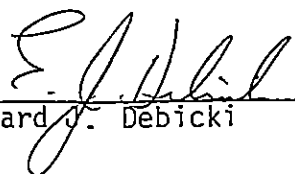


AUTHOR'S QUALIFICATIONS

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 Metals Company) 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 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 10th day of May, 1982.


Edward J. Debicki

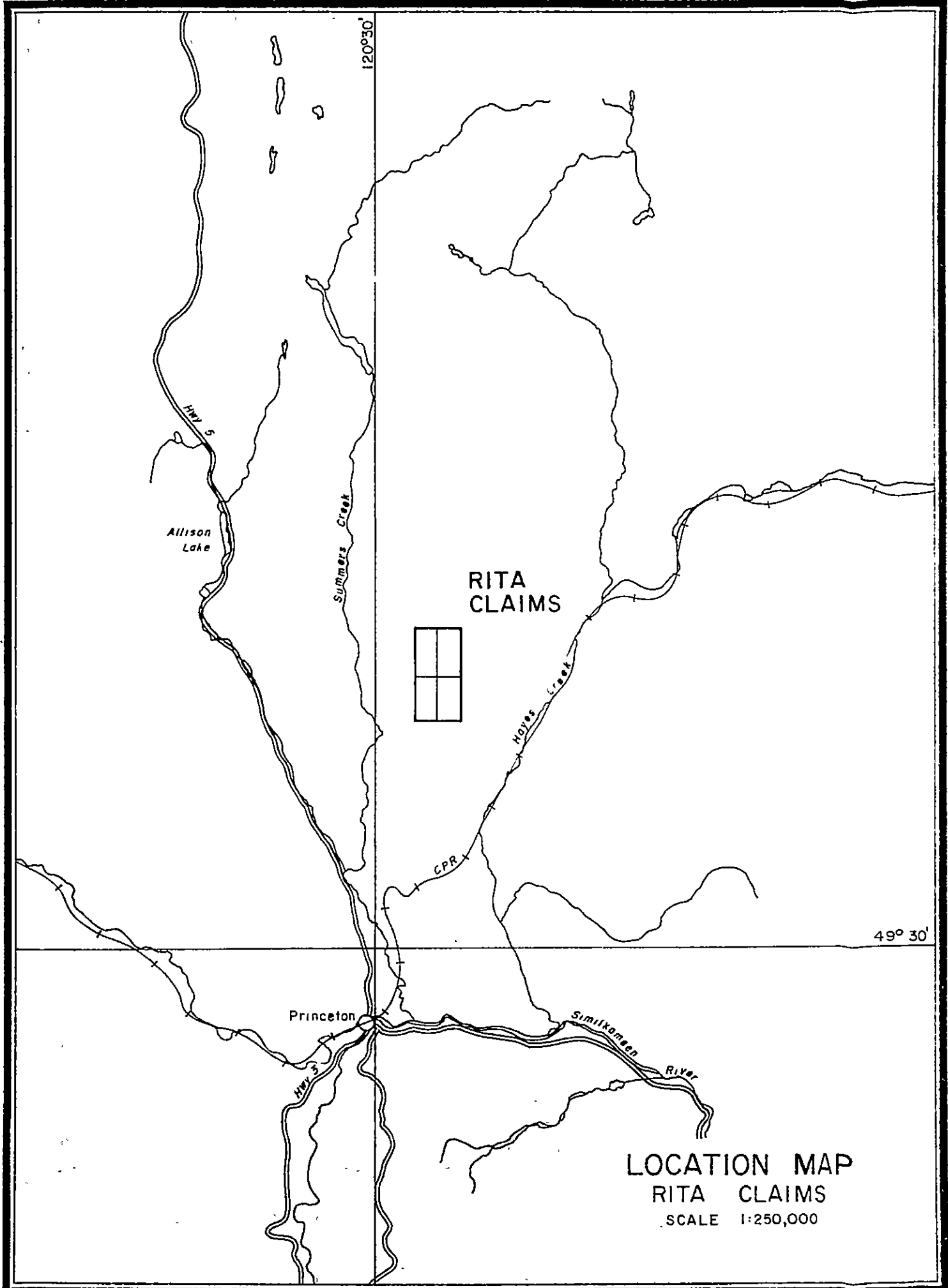
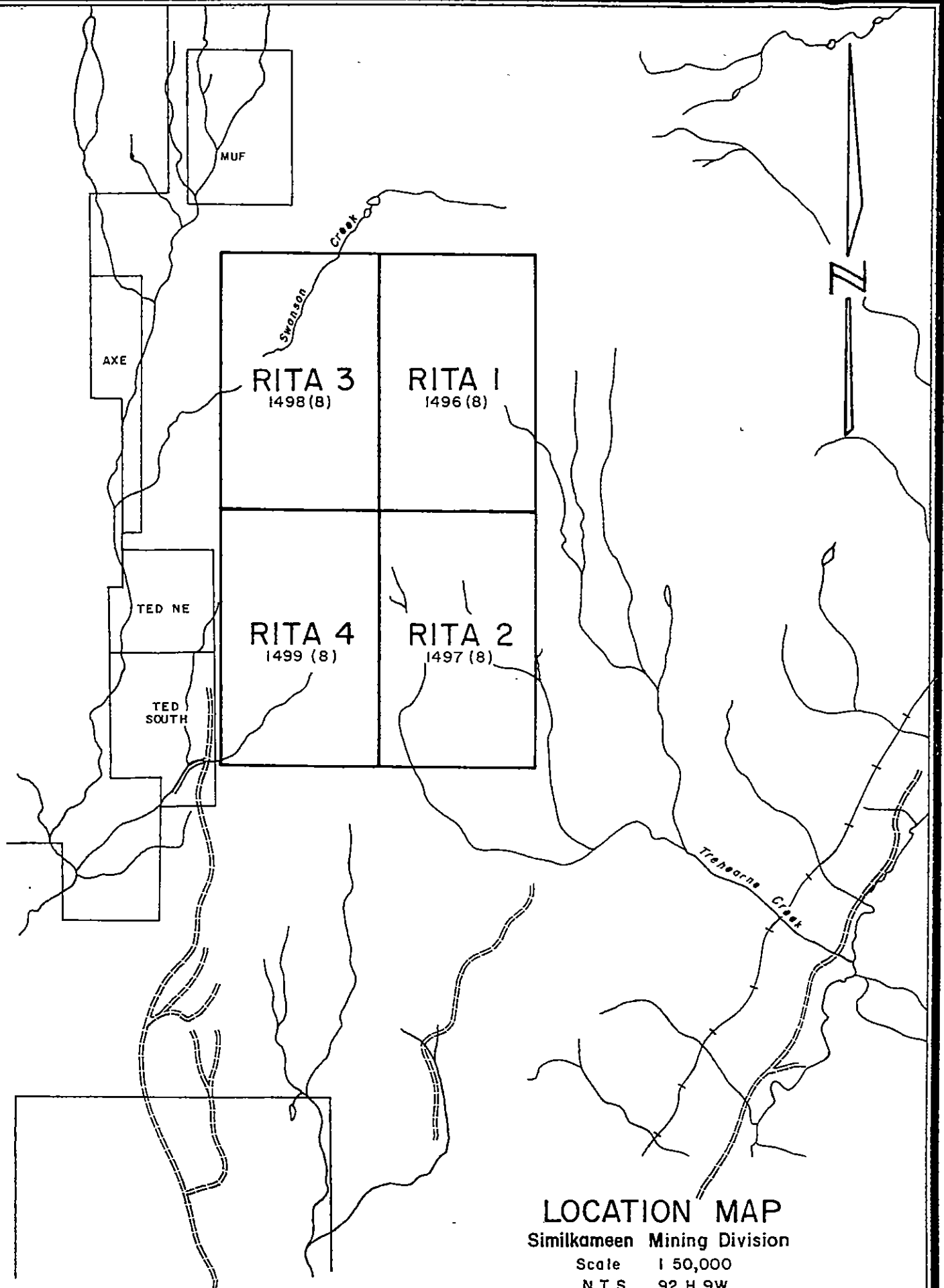


FIGURE 1

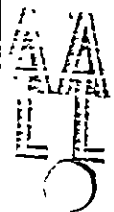


LOCATION MAP
Similkameen Mining Division
Scale 1:50,000
NTS 92 H 9W

FIGURE 2

APPENDIX A

Geochemical Results



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

Attn.: Mr. Peter Peto

File No. 21-0735

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Mo	Cu
SX 62201	2	14
62202	2	14
62203	3	19
62204	1	21
62205	4	14
62206	2	13
62207	3	13
62208	1	12
62209	2	13
62210	1	13
62211	1	10
62212	2	13
62213	3	27
62214	2	17
62215	3	15
62216	2	21
62217	1	15
62218	1	20
62219	1	18
62220	1	23
62221	1	10
62222	1	16
62223	1	13
62224	1	17
62225	1	14
62226	2	15
62227	1	10
62228	1	11
62229	2	10
62230	2	102
62231	1	15
62232	1	9
62233	1	10
62234	1	13
62235	1	16
62236	1	12
62237	1	11
SX 62238	1	11
SX 64052	1	15
64053	2	10
64054	2	13
64055	1	21
64056	1	16
64057	4	54
64058	1	19
64059	2	24
64060	1	23
64061	2	25
64062	1	25

SAMPLE No.	Mo	Cu
64063	1	21
64064	1	22
64065	1	17
64066	4	25
64067	1	19
64068	2	41
64069	1	10
SX 64070	2	20
SX 64071	1	21
64072	1	22
64073	1	19
64074	1	15
64075	1	16
64076	1	8
64077	1	9
64078	1	17
64079	5	25
64080	2	21
64081	1	19
64082	12	12
64083	3	16
64084	1	18
64085	1	17
64086	2	15
64087	1	17
SX 64088	4	13
64089	1	8
64090	1	17
64091	1	10
64092	1	14
64093	1	17
64094	1	13
64095	1	20
64096	1	12
64097	1	14
64098	1	13
64099	1	8
SX 64100	1	9
SX 64121	1	18
64122	1	20
64123	3	135
64124	1	16
64125	1	18
64126	1	19
64127	1	15
64128	1	13
64129	1	14

All results are in PPM

SAMPLE No	Mo	Cu
64130	1	12
64131	1	9
64132	1	11
64133	1	6
64134	1	16
64135	1	16
64136	1	10
64137	1	11
64138	1	13
64139	2	17
64140	1	17
64141	1	22
64142	1	13
64143	1	12
64144	2	14
SX 64145	1	11
SX 64146	1	13
64147	1	12
64148	1	64
64149	1	15
64150	2	16
64151	1	18
64152	2	116
64153	1	13
64154	1	14
64155	1	16
64156	1	62
64157	1	60
64158	2	12
64159	2	12
64160	1	17
64161	1	18
64162	1	16
64163	1	34
64164	1	16
64165	1	19
64166	1	15
64167	1	17
64168	1	10
SX 64169	1	17
SX 85651	1	21
85652	1	20
85653	1	12
85654	1	19
85655	1	14
85656	1	10
85657	1	9
85658	3	78
85659	1	55
85660	1	15
85661	1	25
85662	1	13
SX 85663	1	28

SAMPLE No.	Mo	Cu
SX 85664	2	20
85665	2	16
85666	1	15
85667	1	26
85668	3	20
85669	2	18
85670	1	18
85671	4	22
85672	3	34
85673	2	21
85674	5	40
85675	2	19
85676	1	18
85677	4	67
85678	1	20
85679	1	17
85680	2	18
85681	1	14
85682	1	19
85683	1	13
85684	1	14
85685	1	17
85686	2	15
85687	1	15
85688	1	13
85689	2	20
85690	3	19
85691	1	16
85692	8	18
85693	1	15
85694	2	9
85695	2	33
85696	1	19
SX 85697	2	10
SX 85701	3	29
85702	2	16
SX 85703	2	11
SX 85704	1	16
85705	1	12
85706	1	16
85707	9	151
85708	1	21
85709	9	17
85710	1	18
85711	3	69
85712	1	21
85713	1	29
85714	1	16
85715	1	18
85716	1	16
85717	1	10
85718	1	7
85719	1	16
85720	2	26

SAMPLE No	Mo	Cu
85721	3	16
85722	2	27
85723	2	20
85724	1	19
85725	1	18
85726	1	28
85727	1	22
85728	1	20
85729	1	16
SX 85730	1	23
SX 85731	1	32
85732	1	23
85733	1	21
85734	1	20
85735	2	19
85736	1	29
85737	1	29
85738	1	22
85739	1	21
SX 85740	1	20
SX 85741	1	91
85742	1	25
85743	1	17
85744	1	25
85745	1	19
85746	1	120
85747	1	290
SX 85748	1	125
SX 85801	1	12
85802	1	10
85803	1	35
85804	1	15
85805	1	13
85806	1	15
85807	1	12
85808	1	40
85809	1	18
85810	1	13
85811	1	15
85812	1	13
85813	1	14
85814	1	16
85815	2	12
85816	1	12
85817	1	18
85818	1	27
85819	1	16
85820	1	13
85821	2	12
85822	1	11
85823	3	14
85824	2	20
85825	1	11
85826	1	13

SAMPLE No.	Mo	Cu
85827	2	15
85828	1	47
SX 85829	1	12
SX 85830	1	17
85831	1	20
85832	2	18
85833	1	15
85834	2	14
85835	1	17
85836	3	19
85837	1	25
85838	1	29
85839	2	18
85840	1	33
84841	1	19
85842	3	122
85843	1	31
85844	4	295
85845	1	31
85846	2	112
85847	1	21
85848	1	58
85849	2	29
SX 85850	1	28
SX 85851	1	23
85852	1	29
85853	1	42
85854	1	16
85855	1	32
85856	1	29
85857	1	26
85858	1	18
85859	1	27
85860	1	20
85861	2	18
85862	3	10
85863	1	19
85864	1	25
85865	1	9
SX 85866	1	14

SAMPLE No	Mo	Cu
SX 85867	2	11
85868	3	18
85869	4	14
85870	1	13
85871	2	7
85872	1	9
85873	1	8
85874	1	14
85875	3	10
85876	1	21
85877	1	27
85878	3	16
85879	2	33
SX 85880	1	26
SX 85881	2	21
85882	1	16
85883	3	22
85884	2	19
85885	3	20
85886	1	11
85887	1	13
85888	3	22
85889	2	25
85890	1	21
85891	2	13
85892	4	30
85893	7	30
85894	5	47
85895	3	23
85896	2	46
85897	1	11
85898	2	25
85899	4	17
SX 85900	4	15

SAMPLE No	Cu	Mo
SX 080028	100	9
080029	69	3
080030	25	4
080031	39	7
080032	19	4
080033	28	1
080034	42	6
080035	35	1
080036	25	1
080037	28	1
080038	48	1
080039	45	2
080040	33	3
080041	17	1
080042	34	2
080043	17	1
080044	27	2
080045	50	10
080046	20	2
080047	27	3
080048	46	8
080049	28	7
080050	57	4
080051	79	1
080052	40	1
080053	37	1
SX 080054	20	1

SAMPLE No		Mo	Cu	Ag	Au
SY 080055	R	1	10	.1	.005
080056	R	1	5	.1	.005
080057	P	1	50	.4	.005
080058		1	32	.3	.005
080059		2	60	.6	.005
080060		2	19	.1	.005
080061	P	5	24	.1	.005
080062		2	16	.1	.005
080063		4	9	.1	.005
080064		2	10	.1	.005
080065		1	7	.1	.005
080066		1	10	.1	.005
080067		2	15	.1	.005
080068		2	19	.1	.005
080069		2	64	.2	.005
080070		3	14	.1	.005
080071		1	13	.1	.005
080072	P	1	12	.1	.005
080073		1	21	.1	.005
080074		1	18	.1	.005
080075		1	24	.1	.005
080076		1	27	.1	.005
080077		3	34	.1	.005
080078		12	40	.1	.005
080079		7	35	.2	.005
080080		11	42	.2	.005
080081		7	41	.1	.005
080082		6	35	.1	.005
080083		1	45	.1	.005
080084		1	32	.1	.005
080085		1	32	.1	.005
080086		1	43	.2	.005
SX 080087		4	28	.2	.005

SAMPLE No.	Au
RX 33019	.010
33020	.005
33021	.005
33022	.005
33023	.005
33024	.005
33025	.005
33026	.005
33027	.005
33028	.005
33029	.005
33030	.005
33031	.005
33032	.005
33033	.005
33034	.005
33035	.005
33036	.005
33037	.005
RX 33038	.005

* P = pulverizing.

ACME ANALYTICAL LABORATORIES LTD.

852 E HASTINGS ST. VANCOUVER, B.C. V6A 9R6
(604) 253-3158 TELEX 04-53124

ICP GEOCHEMICAL ANALYSES
=====

A .500 GRAM OF SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 NITRIC ACID TO HYDROCHLORIC ACID TO WATER AT 90 DEG. C FOR 1 HOUR. THE SAMPLE IS DILUTED WITH WATER TO 10.0 MLS. THE RESULTS ARE REPORTED IN PPM EXCEPT FOR : FE, CA, P, MG, BA, AND AL WHICH IS IN PERCENT. THIS LEACH IS PARTIAL FOR: CA, P, MG, AL, TI, LA, AND W. VERY LITTLE BA IS DISSOLVED. IS = INTERNAL STANDARD.

*

*HO/RX33019 CANADIAN NICKEL FILE# 81-0732
EGC *Pyritic tuff*

BURN # 1 GE16 21:58 23JULY81

IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1343									
MO 7.3	264	10	85	.192	4.0	12	268	4.05	12
U	IS	TH	IS	CD	SB	BI	V	CA	P
2.2	.5	6.1	1706	2.2	1.3	2.5	92	.88	.15
LA	IN	MG	BA	TI	B	AL	IS	IS	W
19	2.3	.84	.01	.35	5.1	1.7	7.1	3.8	.94

*HO/RX33020 *granodiorite porphyry*
EGC

BURN # 1 GE16 21:59 23JULY81

IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1343									
2.9	5.6	7.7	80	.04	1.6	2.0	311	1.25	4.3
2.6	.1	15	855	.77	.3	.27	17	.21	.03
31	.68	.18	.01	.04	4.4	.69	4.2	3.0	.37

*O/RX33021 *Diorite*
EGC

BURN # 1 GE16 22:00 23JULY81

IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1343									
1.4	7.4	7.7	40	.041	3.4	9.4	341	3.53	6.4
2.1	.4	4.0	1932	1.6	-1	.0	106	1.2	.18
15	1.5	.77	.02	.23	7.1	1.8	6.5	3.6	1.6

*O/RX33022 *Diorite*
EGC

BURN # 1 GE16 22:01 23JULY81

IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1343									
1.6	59	7.4	90	.097	3.6	13	578	4.02	9.5
2.7	.5	2.6	2014	2.3	1.8	.5	115	1.4	.18
15	1.7	.80	.01	.29	5.6	2.1	8.6	3.8	1.4

*

*HO/RX33023 *tu ff*
EGC

BURN # 1 GE16 22:02 23JULY81

IS
1343
MO CU PB ZN AG NI CO MN FE AS
1.3 6.6 8.9 36 .051 2.3 3.3 465 1.50 2.9
U IS TH IS CD SB BI V CA P
-2 -.1 7.6 1290 .59 -1 .58 25 .43 .06
LA IN MG BA TI B AL IS IS W
28 1.4 .26 .01 .10 3.5 .63 4.2 3.1 .19

*HO/RX33014 *felsic tu ff*
EGC

BURN # 1 GE16 22:03 23JULY81

1343
.71 10 9.1 64 -.02 2.6 12 660 2.98 5.7
.67 -.4 4.3 1409 1.1 .58 .65 50 .53 .14
18 1.3 .84 .01 .14 4.6 1.4 3.5 3.4 1.0

*O/RX33025 *Diorite*
EGC

BURN # 1 GE16 22:04 23JULY81

1343
1.6 83 11 98 .258 3.1 11 821 3.68 7.6
.62 -.5 3.3 2040 1.9 1.7 -.3 75 1.3 .17
15 1.8 .88 .01 .25 8.2 1.7 7.8 4.0 .70

*O/RX33026 *Diorite*
EGC

BURN # 1 GE16 22:05 23JULY81

1343
.93 110 6.6 79 .196 74 24 554 2.89 14
4.1 -.7 .99 1837 1.9 -1 2.1 114 1.3 .27
9.0 1.6 2.2 .02 .20 11 1.9 159 3.6 .86

*O/RX33027 *Diorite*
EGC

BURN # 1 GE16 22:06 23JULY81

1343
1.5 50 18 80 .406 3.8 15 600 3.99 4.4
2.3 -.4 2.8 2380 3.3 ~~4.1~~ 2 .43 131 3.4 .17
13 2.1 .86 .01 .22 6.1 3.9 8.9 4.9 1.8

*O/RX33028 *tu ff Diorite*
EGC

BURN # 1 GE16 22:06 23JULY81

1343
3.6 99 7.4 36 .189 4.2 13 354 2.98 4.2
3.2 -.4 6.6 1620 1.4 -.8 .95 83 .70 .13
16 1.0 .70 .01 .19 7.9 1.5 8.4 3.3 1.6

*

*HO/RX33029 Qz Diorite
EGC

BURN # 1 GE16 22:08 23JULY81

IS										
1343										
MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	
1.8	9.3	8.6	108	-.07	2.1	3.5	649	2.38	1.6	
U	IS	TH	IS	CD	SB	BI	V	CA	P	
-.7	-.2	6.7	1536	1.0	1.1	.60	33	.66	.09	
LA	IN	MG	BA	TI	B	AL	IS	IS	W	
14	.92	.55	.01	.17	7.5	1.2	4.7	3.1	.74	

*HO/RX33030 basalt flow
EGC

BURN # 1 GE16 22:09 23JULY81

1343										
3.1	20	5.3	40	.039	3.7	7.4	695	2.26	3.7	
-.9	-.4	2.9	1602	.70	.63	.28	38	.61	.10	
16	.84	.43	.01	.07	9.3	1.1	4.2	2.9	.32	

*HO/RX33031 crystal-ash tuff ± pyrite
EGC

BURN # 1 GE16 22:09 23JULY81

1343										
3.3	81	17	51	.234	30	12	473	2.27	27	
.53	-.3	6.1	1668	1.3	-2	1.3	57	.81	.13	
20	1.5	.79	.01	.17	8.5	.96	24	3.3	1.2	

*HO/RX33032
EGC

BURN # 1 GE16 22:10 23JULY81

1343										
4.2	13	2.8	58	.210	20	13	839	2.83	.85	
.05	-.5	8.8	2432	1.6	.25	1.5	52	2.9	.08	
17	1.6	1.1	.00	.01	5.8	.76	33	4.6	.97	

*HO/RX33033 tuff
EGC

BURN # 1 GE16 22:11 23JULY81

1343										
14	284	5.5	77	.764	9.7	17	580	5.20	-4	
-.1	-.9	1.9	2016	2.4	5.6	-.5	48	1.3	.12	
12	.12	.54	.01	.13	6.2	1.8	11	4.1	94	

*HO/RX33034 Nicola tuff
EGC

BURN # 1 GE16 22:12 23JULY81

1343										
3.8	118	-2	83	1.37	7.0	38	1930	4.08	25	
6.2	-.5	2.1	1034	4.3	.70	4.1	41	13	.05	
19	3.4	.30	.01	.02	5.0	.58	9.4	9.4	2.3	

*HO/RX33035 Qz Diorite
EGC

BURN # 1 GE16 22:13 23JULY81

IS
1343

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS
2.4	69	17	91	.098	8.9	18	478	4.09	2.4
U	IS	TH	IS	CD	SB	BI	V	CA	P
6.6	- .7	3.9	1907	2.4	1.3	- .3	194	1.1	.11
LA	IN	MG	BA	TI	B	AL	IS	IS	W
13	1.9	1.2	.02	.24	5.9	2.2	29	3.7	1.0

*HO/RX33036 Qz Diorite
EGC

BURN # 1 GE16 22:14 23JULY81

1343

4.0	20	42	257	.082	5.5	14	688	3.92	2.8
3.8	- .6	7.6	1715	1.8	1.2	.48	109	.79	.14
16	1.0	.99	.01	.18	7.3	1.7	15	3.8	1.0

*HO/RX33037 Arenite (pyritic)
EGC

BURN # 1 GE16 22:14 23JULY81

1343

6.9	94	5.7	62	.089	2.7	11	472	3.97	8.6
2.7	- .5	3.4	1672	2.1	- .5	- .4	94	.79	.24
22	1.9	1.0	.01	.28	5.6	1.4	4.3	3.9	.40

*HO/RX33038 pyritic buff
EGC

BURN # 1 GE16 22:15 23JULY81

1343

54	84	12	105	.998	17	15	384	2.59	21
.69	- .3	1.6	1715	2.1	- 2	.39	68	.85	.13
14	1.7	.33	.01	.25	8.2	.65	18	2.8	1.6

APPENDIX B

Thin Section Descriptions

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 33027 PETROGRAPHER: P. Peto

SPECIMEN LOCALITY: MUF Claims DATE: October 6, 1981

COLLECTOR: P. Peto LITHOLOGY: Hbl-Diorite

HANDSPECIMEN DESCRIPTION: Massive, leucocratic, grey speckled dk green, medium grained diorite with chalcopyrite - pyrite on fracture, hbl crystals, epidote clots, magnetite, plagioclase.

MICROSCOPIC DESCRIPTION

TEXTURE: Hypidiomorphic, inequigranular texture consisting of saussuritic plagioclase, green hbl, interstitial quartz, k-spar, chlorite a-cessory ilmenite, sphene, apatite.

MINERALOGY:

(65 %) Plagioclase occurs as medium gr., blocky, highly saussuritic crystals, albitic margins

(10 %) Hornblende occurs as med gr., green, interstitial grains with ilmenite inclusions

(10 %) Matrix composed of altered k-spar, quartz, chlorite

(5 %) Secondary biotite occurs as green, flakes after hbl?

(5 %) Opagues consist of ilmenite with sphene coronas

(5 %) Secondary carbonate after plagioclase

(%) _____

ACCESSORY ilmenite

ALTERATION: Chlorite - biotite - carbonate

ORE MINERALS: _____

PARAGENESIS: _____

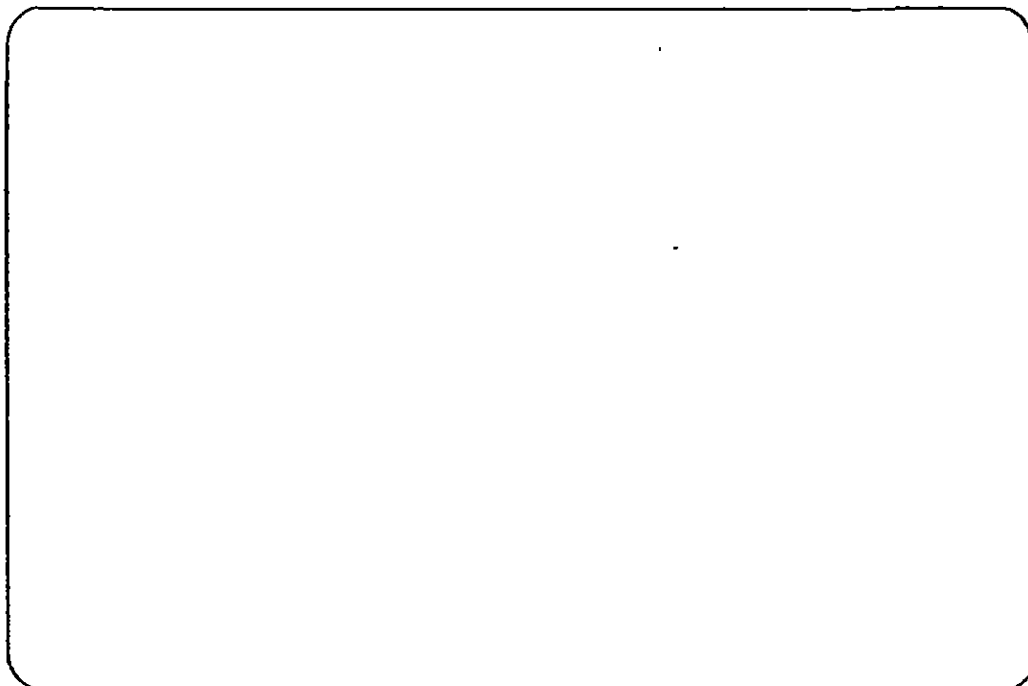
REMARKS _____

CLASSIFICATION: _____

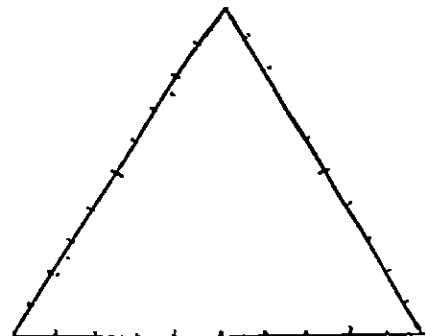
PETROGENESIS: _____

PHOTOMICROGRAPH

SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM



PLUS _____

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 330029 PETROGRAPHER: P. Peto

SPECIMEN LOCALITY: Rita Claims DATE: October 6, 1981

COLLECTOR: P. Peto LITHOLOGY: Qtz-diorite

HANDSPECIMEN DESCRIPTION: Pale green speckled, dk green, leucocratic, massive, fine to medium grained, subporphyritic texture consisting of altered feldspar, relict mafics set in a microcrystalline matrix.

MICROSCOPIC DESCRIPTION

TEXTURE: Medium to fine grained porphyritic texture consisting of plagioclase, & relict actinolite phenocrysts set in a v.f.g. matrix (60%) composed of altered feldspar, quartz, opaques, interstitial chlorite, granular epidote.

MINERALOGY:

(15 %) Plagioclase phenocrysts, medium grained, subhedral, partly altered sericite

(35 %) Plagioclase microlites as fine gr. blocky crystals in matrix

(15 %) Quartz as interstitial grains

(5 %) Secondary epidote granules & porphyroblasts

(10 %) Chlorite as secondary patch replacing mafics

(5 %) Actinolite after hbl? occurs as med. grained clusters partly altered to biotite - chlorite - sphene - opaques.

(%) _____

ACCESSORY sphene, magnetite

ALTERATION: chlorite-actinolite-epidote

ORE MINERALS: _____

PARAGENESIS: _____

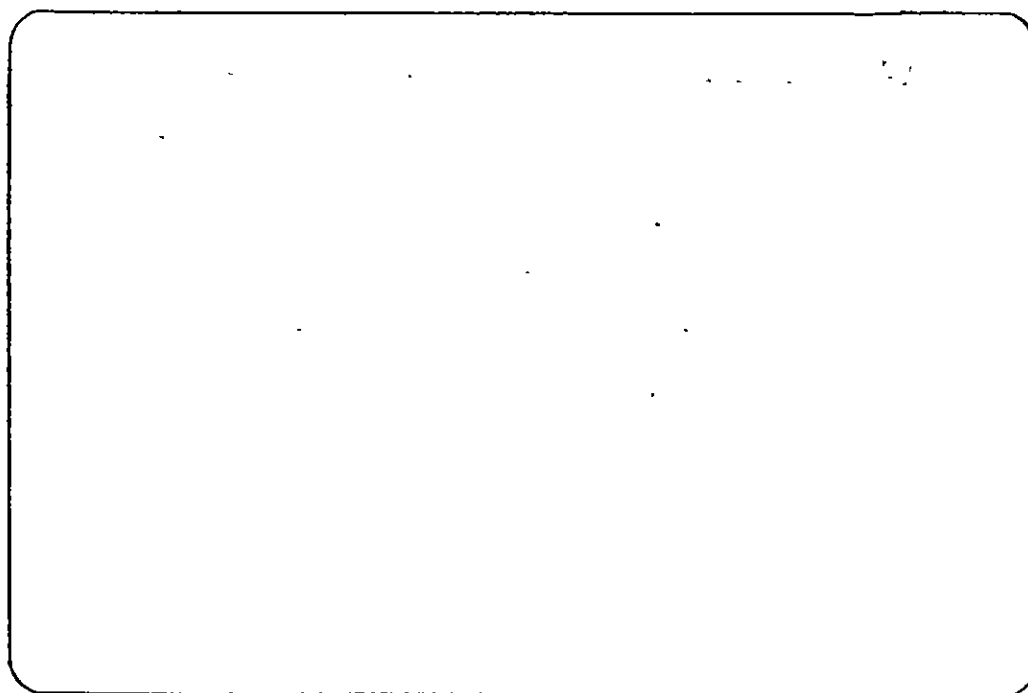
REMARKS _____

CLASSIFICATION: _____

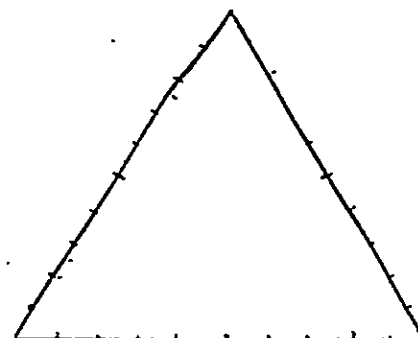
PETROGENESIS: _____

PHOTOMICROGRAPH

SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM



PLUS _____

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 33030 PETROGRAPHER: P. Peto

SPECIMEN LOCALITY: Rita Claims DATE: October 6, 1981

COLLECTOR: P. Peto LITHOLOGY: Flag. (bslt) porphyry flow

HANDSPECIMEN DESCRIPTION: Dk grey speckled lt grey, feldspar porphyry with pale green plag phenocrysts set in dk grey aphanitic matrix. Cut by epidote stringers

MICROSCOPIC DESCRIPTION

TEXTURE: Med grained, crowded plagioclase (An₅₅ - An₃₈) porphyry with volcanic rock fragments set in a glassy or vitrophyric matrix composed of secondary chlorite granular opaques apatite, relict gr hbl, isolated epidote porphyroblasts

MINERALOGY:

(30 %) Plagioclase phenocrysts show normal zoning from andesine to labradorite, saussuritic cores, broken & euhedral crystals.

(60 %) Vitrophyric matrix consists of divitrified basaltic glass with granular opaques, microlites, microcrystalline & secondary alteration products

(2 %) Porphyritic volcanic rock fragments to 1 mm across

(2 %) Epidote porphyroblasts

(2 %) relict green biotite flakes

(4 %) patch of secondary chlorite in matrix

(%)

ACCESSORY apatite, magnetite

ALTERATION: chlorite - epidote

ORE MINERALS: cubic opaques - pyrite

PARAGENESIS: _____

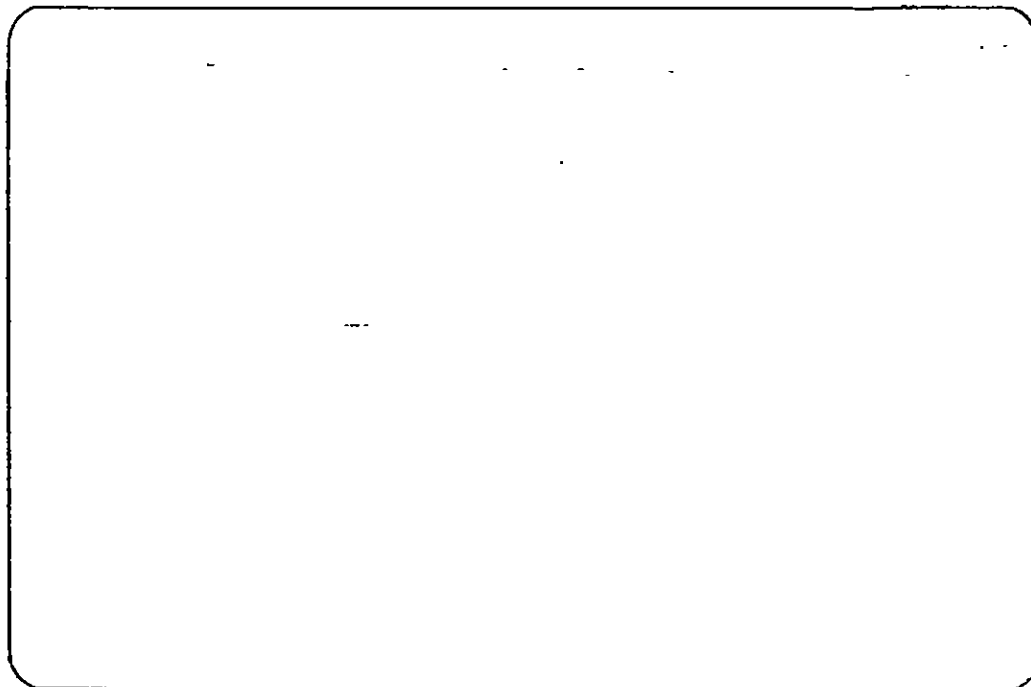
REMARKS _____

CLASSIFICATION: _____

PETROGENESIS: _____

PHOTOMICROGRAPH

SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM



PLUS _____

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 33031

PETROGRAPHER: P. Peto

SPECIMEN LOCALITY: Rita Claims

DATE: October 6, 1981

COLLECTOR: P. Peto

LITHOLOGY: Feldspar-felsophyre

HANDSPECIMEN DESCRIPTION: V.f.g. compact, pale green siliceous felsite with
feldsparpheno, relict mafic, disseminated pyrite, numerous limonite coated
fractures.

MICROSCOPIC DESCRIPTION

TEXTURE: Med. grained albite & orthoclase phenocrysts set in a v.f.g. matrix
of granophyre with secondary sericite, carbonate, pyrite as disseminations &
fracture fills.

MINERALOGY:

- (7%) Alkali feldspar phenocrysts occurs of med. to fine grained subhedral
crystals partly altered to sericite.
- (3%) Albite phenocrysts occurs as fine grained, unzoned crystals partly altered
to sericite.
- (85%) Granophyric matrix consisting of v.f.g. feldspar microlites, interstitial
quartz, minor sericite flakes.
- (5%) Secondary carbonate in fractures & diss. granules in matrix.

(%)

(%)

(%)

ACCESSORY Apatite

ALTERATION: Chlorite, limonite, sericite after feldspar; secondary carbonate

ORE MINERALS: Pyrite

PARAGENESIS: _____

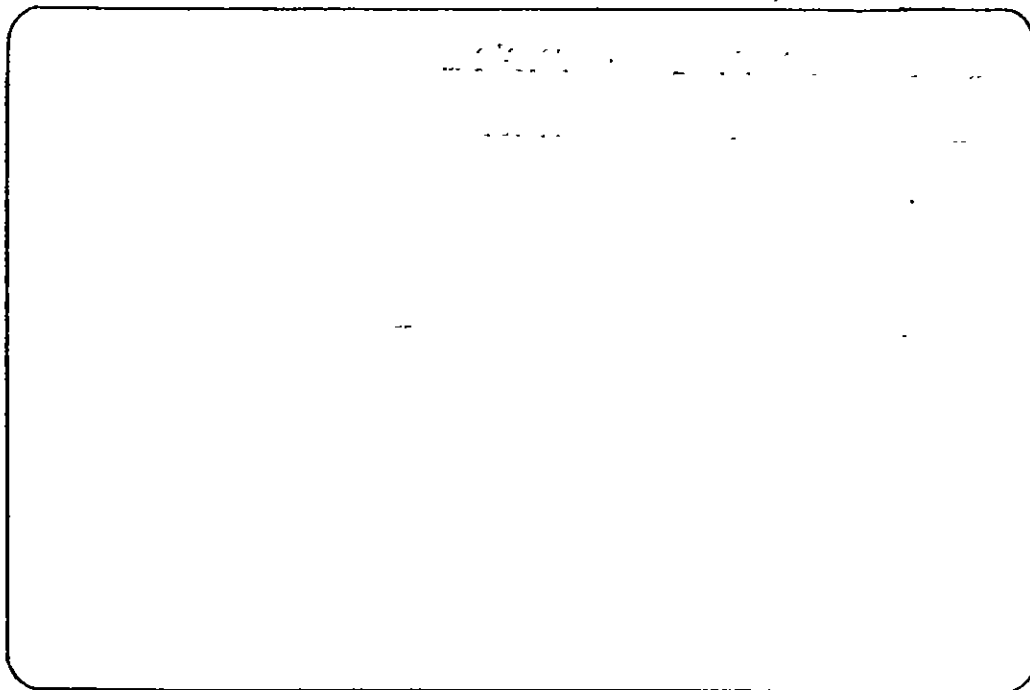
REMARKS _____

CLASSIFICATION: _____

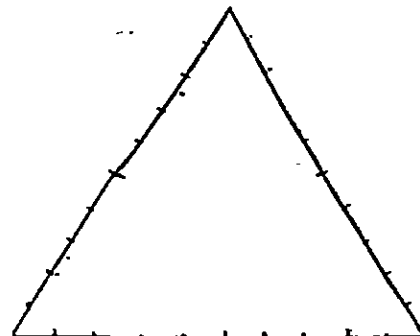
PETROGENESIS: _____

PHOTOMICROGRAPH

SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM



PLUS _____

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 33033 PETROGRAPHER: P. Peto

SPECIMEN LOCALITY: Rita Claims DATE: October 6, 1981

COLLECTOR: P. Peto LITHOLOGY: Altered felsopyre

HANDSPECIMEN DESCRIPTION: Fine grained, mottled grey to pale green with
abundant diss pyrite & py fractures, epidotized plag phenos, sericitic(?)
fractures, mafic clots to chlorite. Highly altered intrusive porphyry?

MICROSCOPIC DESCRIPTION

TEXTURE: Very fine grained, massive, highly altered felsic tuff consisting of
80% devitrified groundmass contained epidote-zoisite-porphyroblasts, py cubes,
interstitial sericite, chlorite, carbonate med gr. apatite phenos, pyrite -
epidote fracture fills.

MINERALOGY:

(80%) Matrix consisting of feldspar-vitrophyre, interstitial clay, sericite,
epidote, pyrite with relict feldspar & apatite phenos

(15%) Epidote porphyroblasts with interstitial chlorite, zoisite, & carbonate
& as fracture fills

(5%) Pyrite, sericite, clay as secondary alteration products

(%) _____

(%) _____

(%) _____

(%) _____

ACCESSORY pyrite, apatite

ALTERATION: Plag(?) to clay, mafics to epidote-zoisite-chlorite

ORE MINERALS: _____

PARAGENESIS: _____

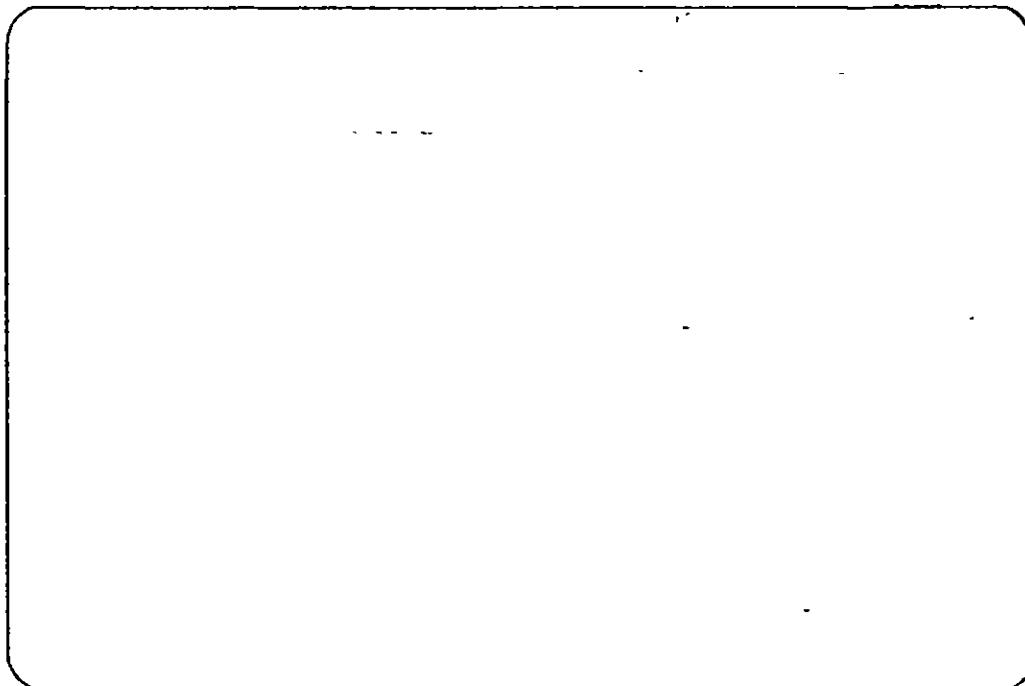
REMARKS _____

CLASSIFICATION: _____

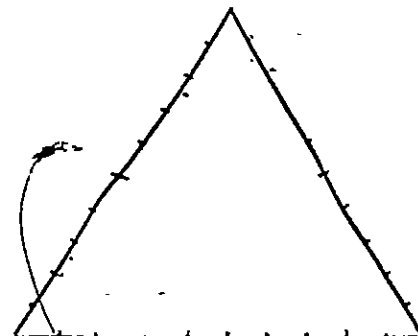
PETROGENESIS: _____

PHOTOMICROGRAPH

SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM



PLUS _____

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 33034 PETROGRAPHER: P. Peto

SPECIMEN LOCALITY: Rita Claims DATE: October 6, 1981

COLLECTOR: P. Peto LITHOLOGY: marly argillaceous hst?

HANDSPECIMEN DESCRIPTION: White, grey, pale green, v.f.g. banded felsite, similar to RX 33037, cut by qtz-vein, with grey sublayer & diss. pyrite. Secondary carbonate-limonite veins imparting gneissic texture. Host rock altered felsite.

MICROSCOPIC DESCRIPTION

TEXTURE: Host is fine grained, inequigranular, texture consisting of quartz, sericite, pyrite cubes, & carbonate, k-spar cut by coarse carbonate-ziolite-quartz veins with clay mineral salvages balance of rock consists of granoblastic qtz-carbonate-clay-sericite & limonite.

MINERALOGY:

(70 %) carbonate as disseminated granules, vein crystals & recrystallized porphyroblasts

(10 %) quartz as v.f.g. clastic grains & authogenic xtls

(5 %) sericite as v.f.g. interstitial flakes

(5 %) clay as v.f.g. secondary patches & vein salvage

(1 %) ziolite as long radiating blades

(5 %) k-spar as v.f.g. detrital? clasts or grains

(1 %) disseminated pyrite

ACCESSORY pyrite

ALTERATION: clay, carbonate, pyrite

ORE MINERALS: pyrite

PARAGENESIS: _____

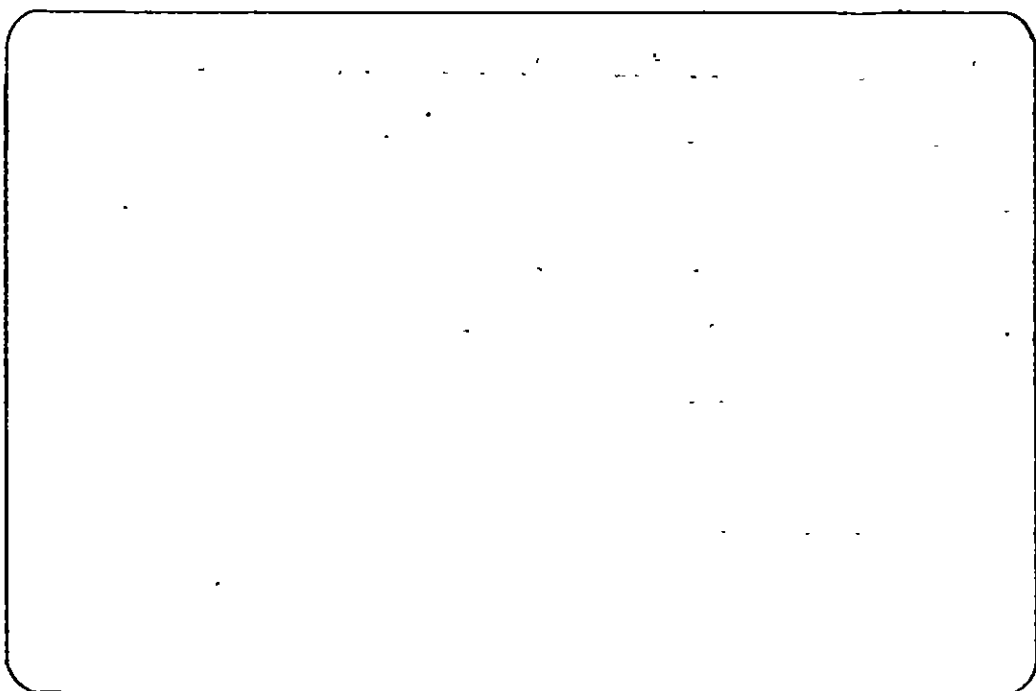
REMARKS _____

CLASSIFICATION: skarn? nicola limy-argillite

PETROGENESIS: _____

PHOTOMICROGRAPH

SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM



PLUS _____

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 33035 PETROGRAPHER: P. Peto
SPECIMEN LOCALITY: Rita Claims DATE: October 6, 1981
COLLECTOR: P. Peto LITHOLOGY: hbl-quartz-diorite

HANDSPECIMEN DESCRIPTION: Massive, dark grey, equigranular texture with
plagioclase laths, with interstitial mafics, pyrite on fractures & chlorite
pyrite fracture fills.

MICROSCOPIC DESCRIPTION

TEXTURE: Massive, hypidiomorphic, inequigranular texture consisting of andesine
crystals, clear hornblende with green mantles, biotite & interstitial quartz,
k-spar with secondary chlorite, epidote, sphene & accessory apatite, pyrite.

MINERALOGY:

- (55%) Plagioclase, med. to fine grained, subhedral laths, normally zoned, andesine
to labradorite (AN₃₈₋₅₅) cores.
- (15%) Hornblende occurs as fine grained, clear cores with green coronas,
subhedral crystals
- (5 %) biotite occurring as fine grained, subhedral, brown flakes mantling py
cubes, hbl crystals, replacing hbl & as discrete flakes
- (10%) quartz occurs as interstitial grains
- (5 %) k-spar occurs as rare interstitial grains
- (5 %) secondary chlorite occurs as alteration of biotite
- (5 %) epidote replaces some altered hbl crystals

ACCESSORY apatite, sphene RX33035

ALTERATION: biotite after hbl (deuteric) chlorite & epidote after mafics,

sericite after some plagioclase

ORE MINERALS: pyrite

PARAGENESIS: _____

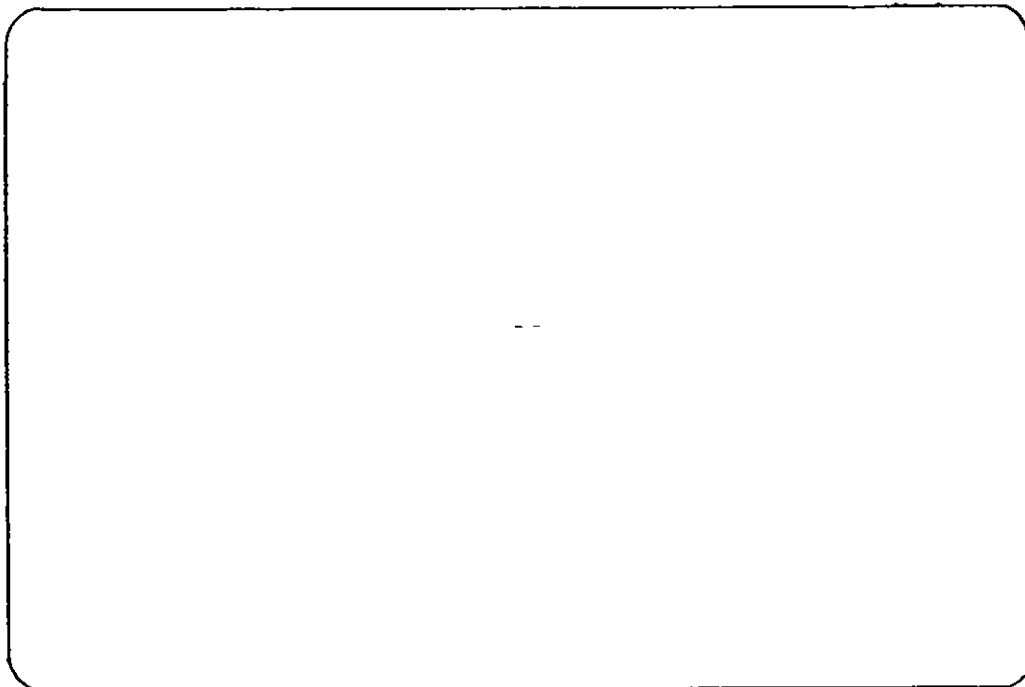
REMARKS _____

CLASSIFICATION: _____

PETROGENESIS: _____

PHOTOMICROGRAPH

SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM



PLUS _____

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 33036

PETROGRAPHER: P. Peto

SPECIMEN LOCALITY: Rita Claims

DATE: October 6, 1981

COLLECTOR: P. Peto

LITHOLOGY: hbl quartz-diorite

HANDSPECIMEN DESCRIPTION: Massive, med. grained, green speckled dark green,
granodiorite with pyrite on fracture faces.

MICROSCOPIC DESCRIPTION

TEXTURE: Med. grained, hypidiomorphic - granular texture consisting of blocky,
zoned, andesine, subhedral hbl., with interstitial quartz, k-feldspar & secondary
biotite, chlorite, epidote, with accessory pyrite, apatite, & granular opaques,
sphene

MINERALOGY:

(50 %) Andesine (AN₃₈) occurs as med. grained, subhedral, normally zoned crystals
with moderate saussuritic alteration

(20 %) Hornblende occurs as green, pleochroic, subhedral, poikilitic crystals
partly altered to biotite, epidote, sphene

(15 %) Quartz occurs as fine to medium grained interstitial grains

(10 %) K-feldspar occurs as fine to med. grained anhedral interstitial crystals
and overgrowths on plagioclase margins. Argillic alteration

(1 %) Biotite is secondary & occurs as v.f.g. flakes replacing some hbl crystals

(2 %) Epidote is secondary & occurs as plagioclase replacements & interstitial
blades & intergrowths with chlorite.

(2 %) chlorite

ACCESSORY pyrite, apatite, sphene, opaques

ALTERATION: saussuritic altn of plag., bio replaces some hbl, deutric chlorite
after mafics

ORE MINERALS: pyrite

PARAGENESIS: Andesine - hbl - albite - quartz - k-spar - bio

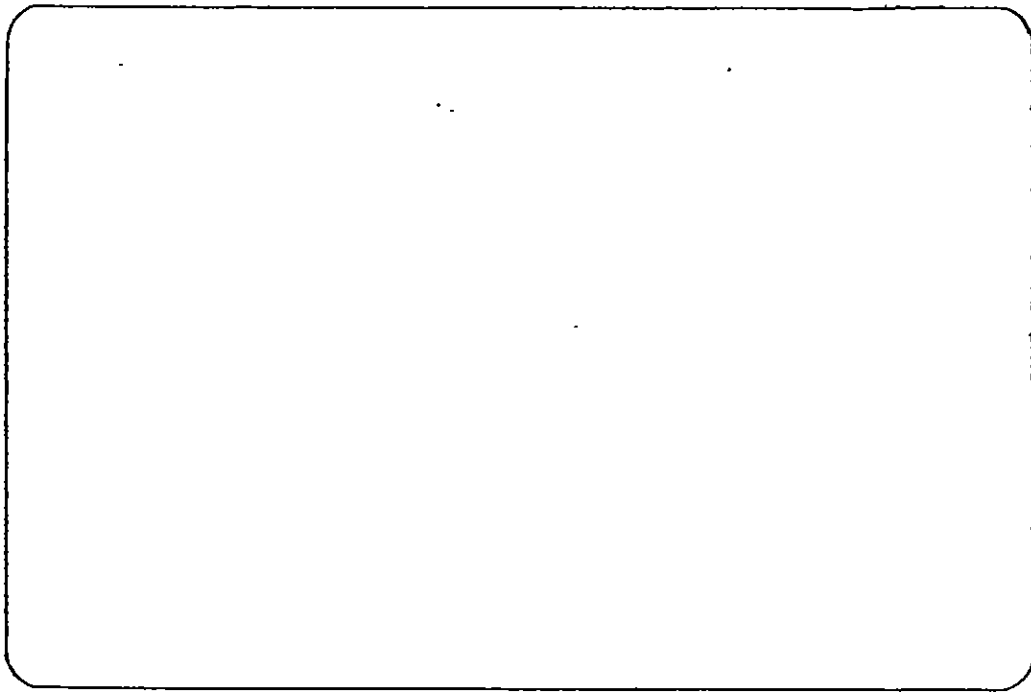
REMARKS _____

CLASSIFICATION: _____

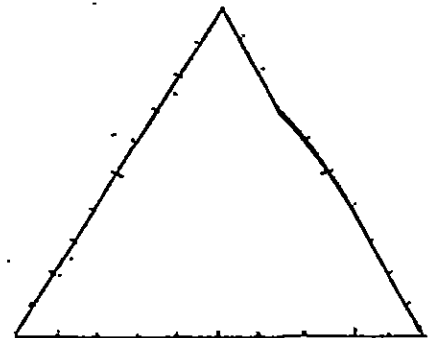
PETROGENESIS: _____

PHOTOMICROGRAPH

SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM



PLUS _____

PETROGRAPHIC DESCRIPTION

SPECIMEN NO: RX 33037 PETROGRAPHER: P. Peto

SPECIMEN LOCALITY: Rita Claims DATE: October 6, 1981

COLLECTOR: P. Peto LITHOLOGY: hornfels(?)

HANDSPECIMEN DESCRIPTION: Greyish-green, v.f.g., dense, compact, felsic
texture cut by pyrite fractures, carries disseminated pyrite cubes.

MICROSCOPIC DESCRIPTION

TEXTURE: v.f.g., allotriomorphic, equigranular texture consisting of anhedral
quartz, feldspar, diopside(?) with accessory pyrite, apatite

MINERALOGY:

(25 %) Quartz as v.f.g. interstitial grain

(50 %) Feldspar (plagioclase) as fine grained, anhedral granules

(25 %) Diopside occurs as dk green to pale green, granules & anhedral laths,
v.f.g. (no cleavage or rhombs)

(1 %) Pyrite cubes, fine grained & in very thick fractures.

(%)

(%)

(%)

ACCESSORY apatite, zircon(?)

ALTERATION: chlorite after biotite inclusions in pyrite, recrystallized quartz
segregation, rare quartz veinlets.

ORE MINERALS: pyrite

PARAGENESIS: _____

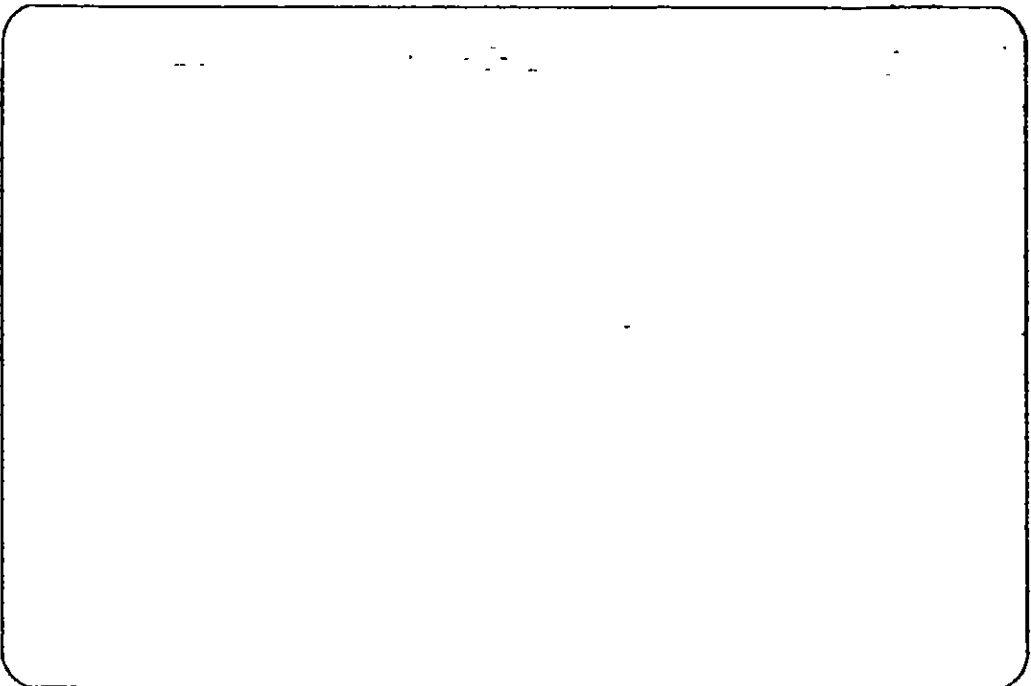
REMARKS _____

CLASSIFICATION: _____

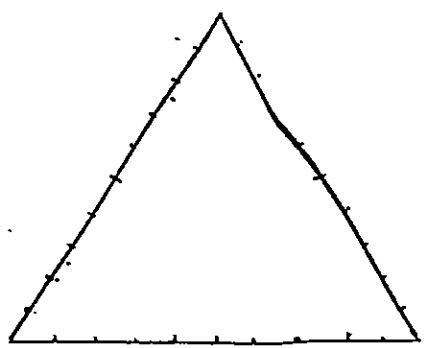
PETROGENESIS: _____

PHOTOMICROGRAPH

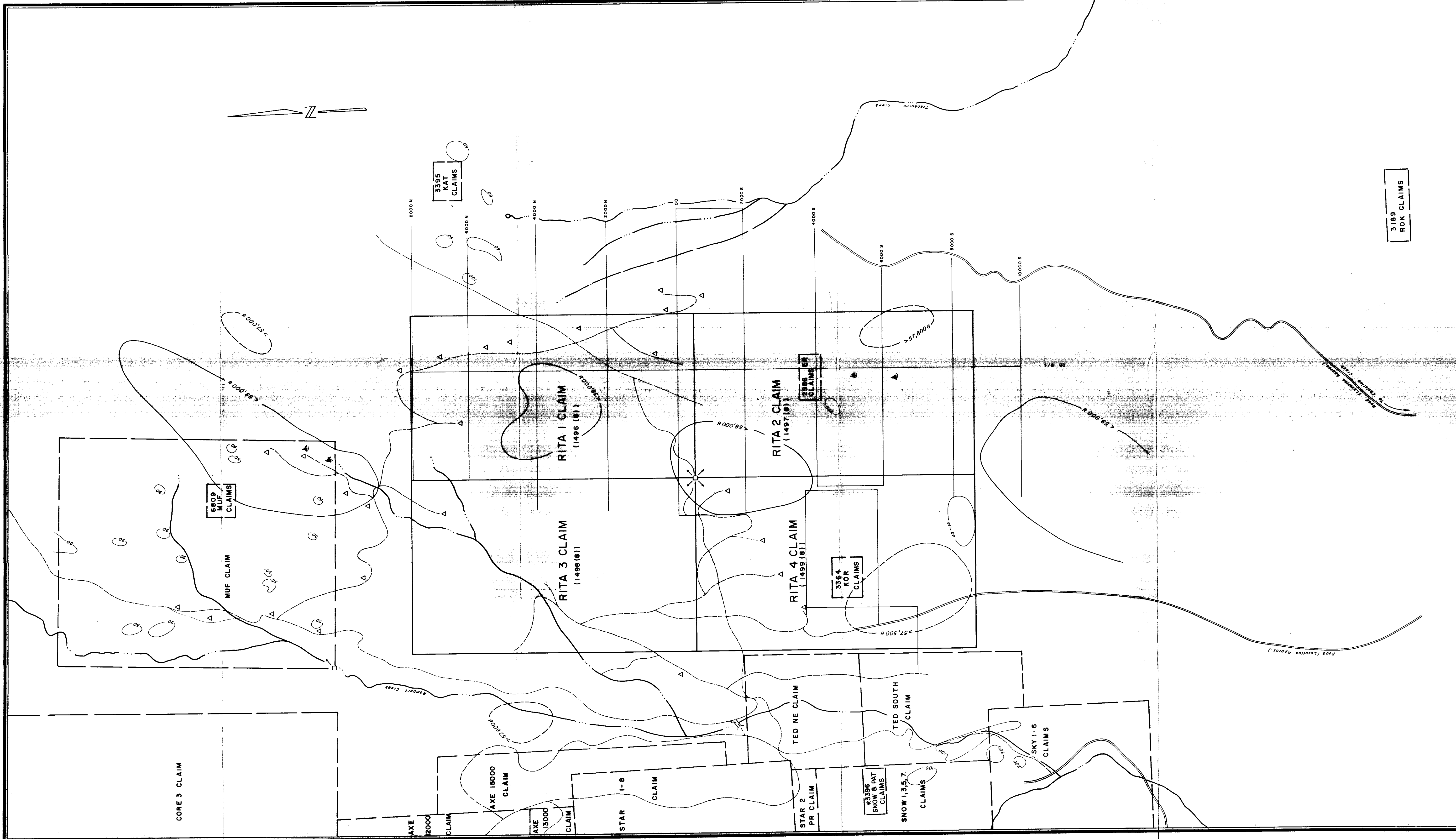
SCALE: _____



MINERAL ASSEMBLAGE
DIAGRAM


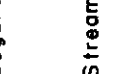



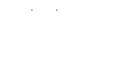






PLUS _____

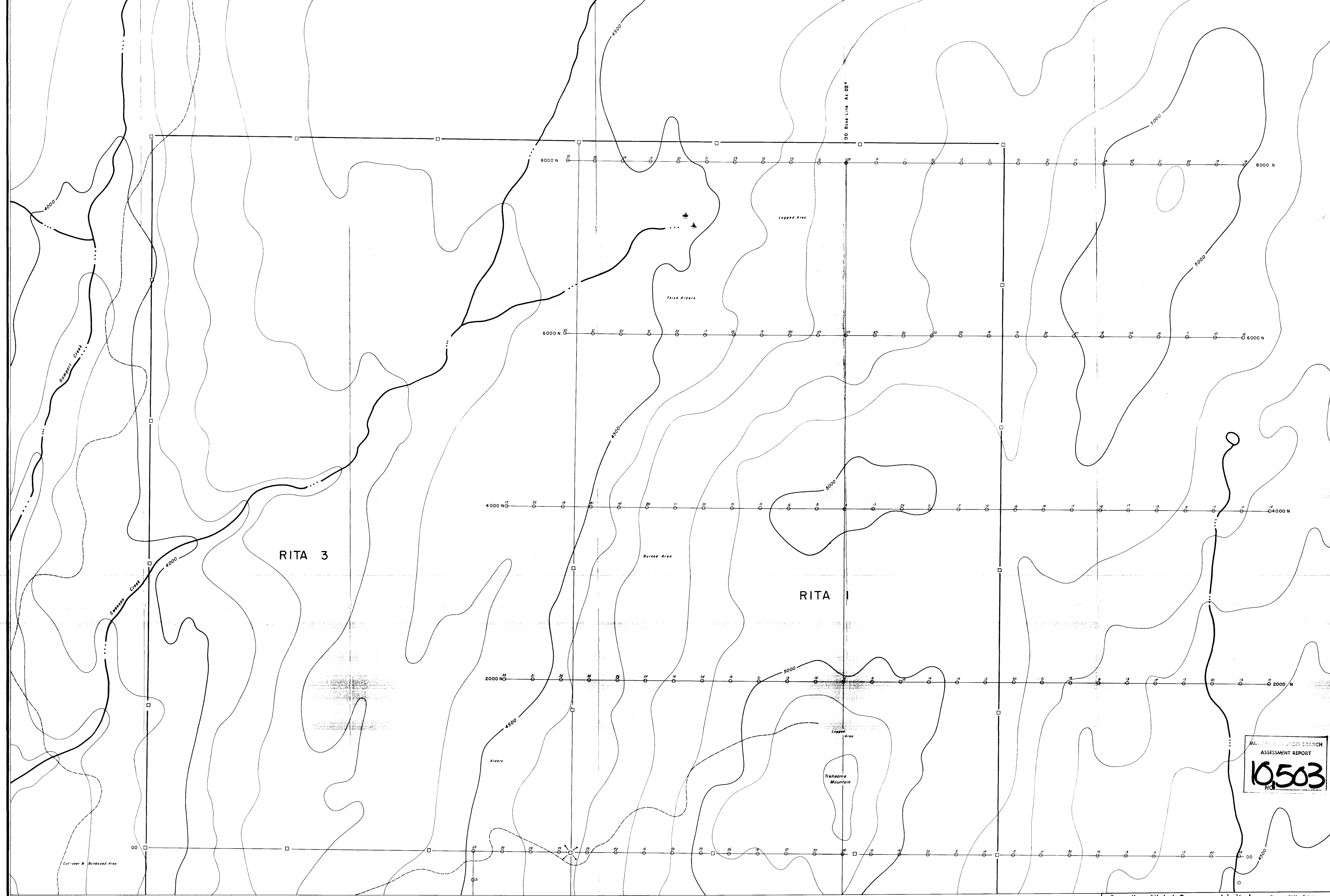


3189
ROK CLAIMS

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10503
DN

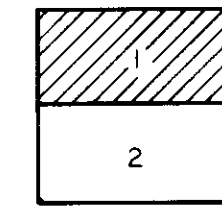
-  Legal claim post
-  Stream
-  Bridge
-  Logging road (driveable)
-  Logging road (not driveable)
-  BC Assessment report - Number and Claim Group
-  Grid lines & Co-ordinates
-  Landing sites (helicopter)
-  Copper soil anomaly Cu value (ppm)
-  Aeromagnetic Anomaly (10 M) Value in gammas (G)

Canadian Nickel Company Limited		Copper Cliff, Ontario POM 1100	
COMPILATION MAP			SHEET 1
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D.W. WALSH	Date drawn: JUNE, 1982	Revised:
Scale: 1:15,400	File:	N.T.S. 92 H 9 W	



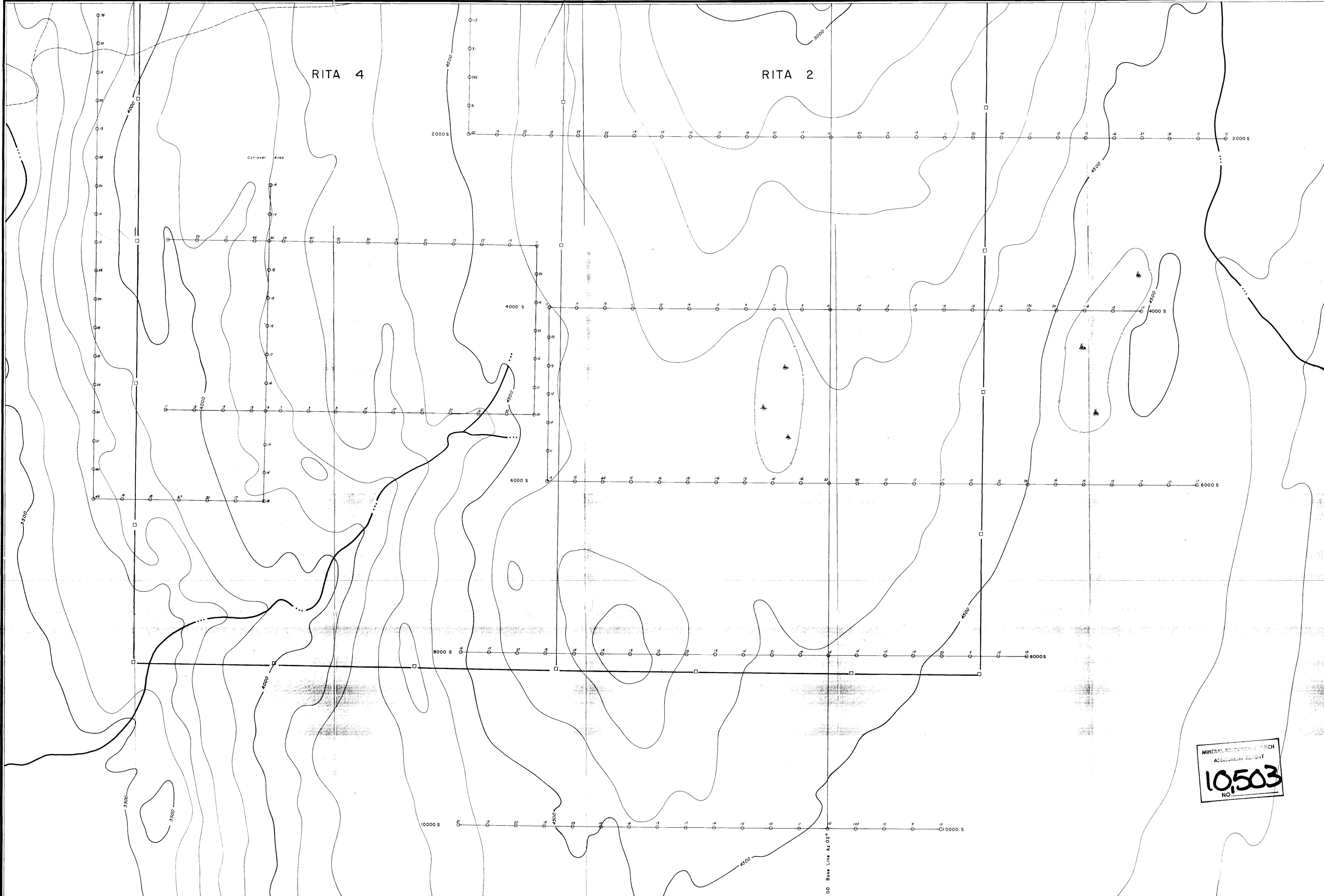
MILLIKEN MINING BRANCH
ASSESSMENT REPORT
10503
NO.

Canadian Nickel Company Limited		Copper Cliff, Ontario POM - 1ND	
SOIL SAMPLE ASSAYS COPPER RESULTS (ppm)		SHEET 1	FIGURE 5b
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D. W. WALSH	Date drawn: JUNE, 1982	Revised:
Scale: 1:5,000	File:	NTS. 92 H 9 W	



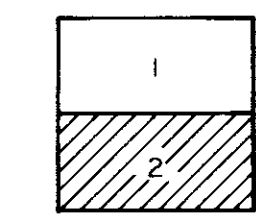
○ Soil sample location and analysis (ppm)

SHEET INDEX



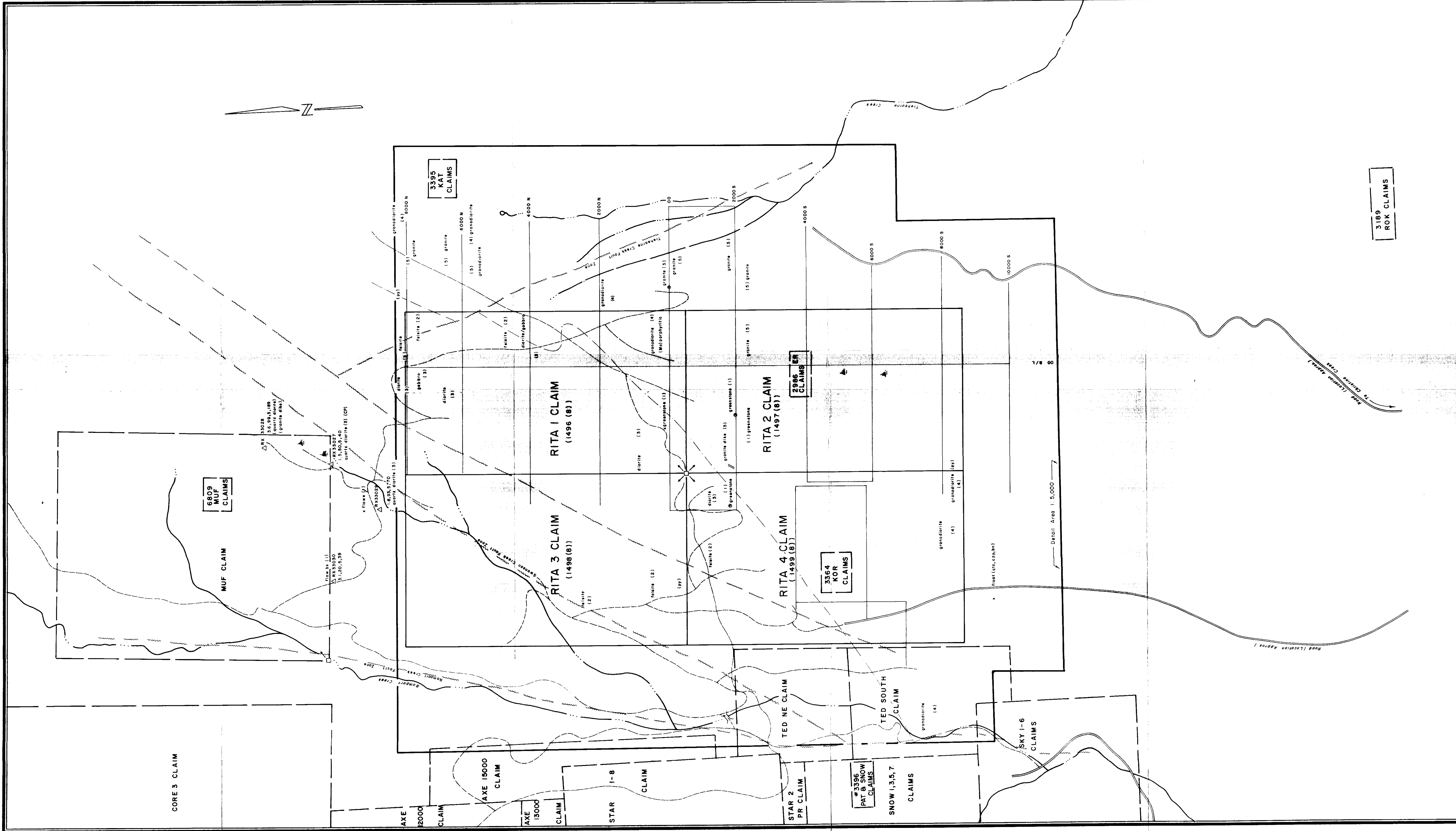
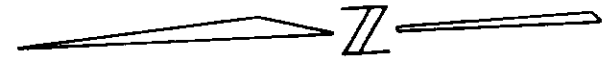
MINERAL RESEARCH BRANCH
ASSESSMENT REPORT
10,503
NO.

○ Sample location and analysis (ppm)



SHEET INDEX

Canadian Nickel Company Limited		Copper Cliff, Ontario	
SOIL SAMPLE ASSAYS		SHEET	FIGURE
COPPER RESULTS (ppm)		2	5b
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D. W. WALSH	Date drawn: JUNE, 1982	Revised:
Scale: 1:5,000	File:	NTS 92 H9W	



SYMBOLS

- Legal claim post
- Stream
- Bridge
- Logging road (driveable)
- Logging road (not driveable)

3189 ROK CLAIMS

BC Assessment report - Number and Claim Group

Grid lines & Co-ordinates

Fault

Rock sample location, sample number

geochemical values (Mo ppm, Cu ppm, Au ppb, Ag ppb)

qtz quartz
py pyrite
bn barite
mo molybdenite
cp chalcopyrite

LEGEND

MIDDLE JURASSIC

- 5 Granite "Osprey Lake" intrusive
- 4 Gneiss

UPPER TRIASSIC

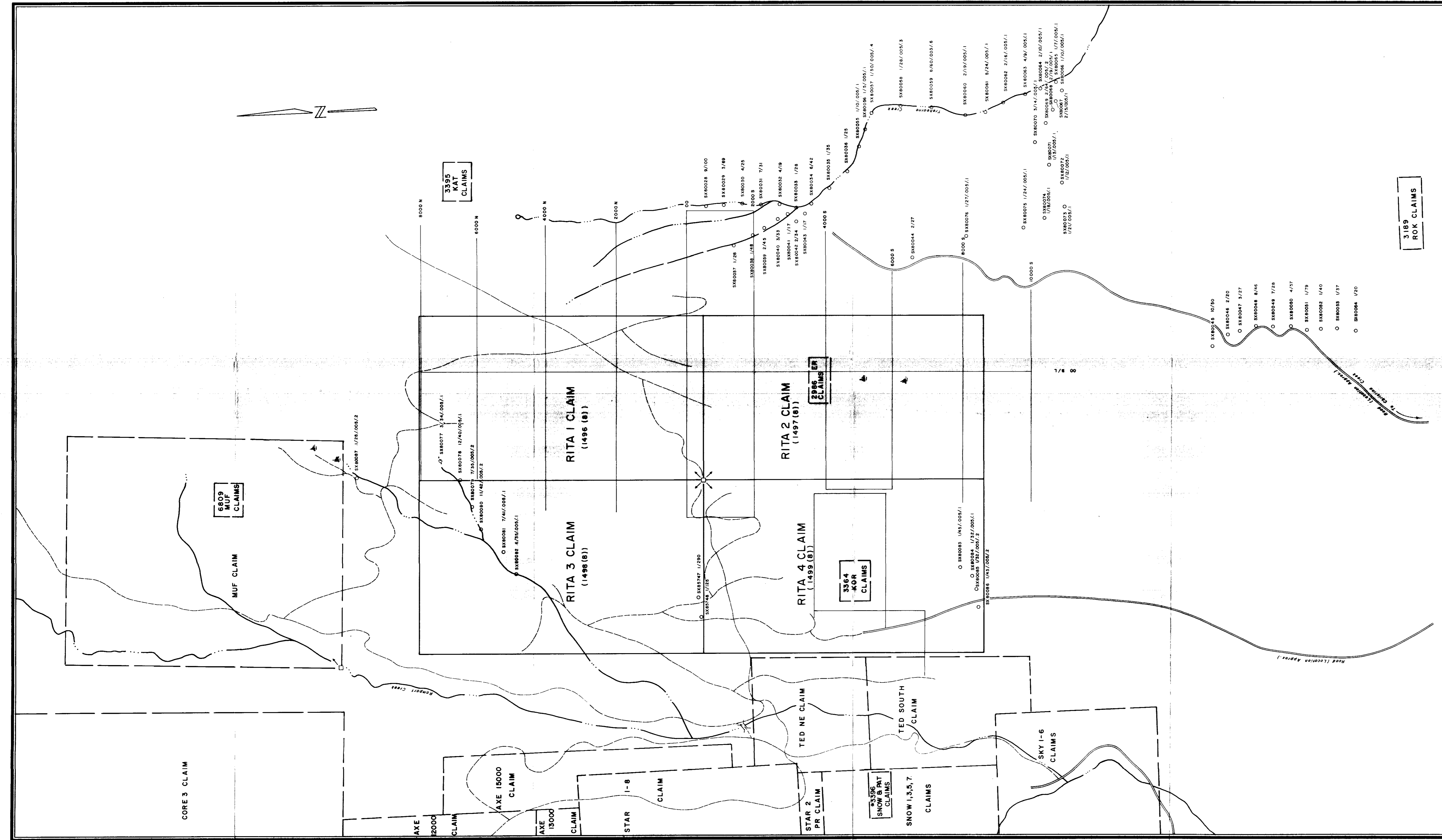
- 3 Quartz diorite (gabbro)
- 2 Crystal ash tuffs, tuffaceous arenites (felsite)
- 1 Basalt porphyry flows (greenstone)

Nicola Group

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

0503
N.

Canadian Nickel Company Limited		Copper Cliff, Ontario POM 1NO	
GEOLOGICAL COMPILATION MAP		SHEET 1	FIGURE 2
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D. W. WALSH	Date drawn: JUNE, 1982	Revised:
Scale: 1:15,400	File:	N.T.S. 92 H 9 W	



Legend:

- Legal claim post
- Stream
- Bridge
- Logging road (driveable)
- Logging road (not driveable)

BC Assessment report - Number and Claim Group

3189 ROK CLAIMS

Grid lines B Co-ordinates

Stream sediment sample location, sample number, analytical results (ppm)

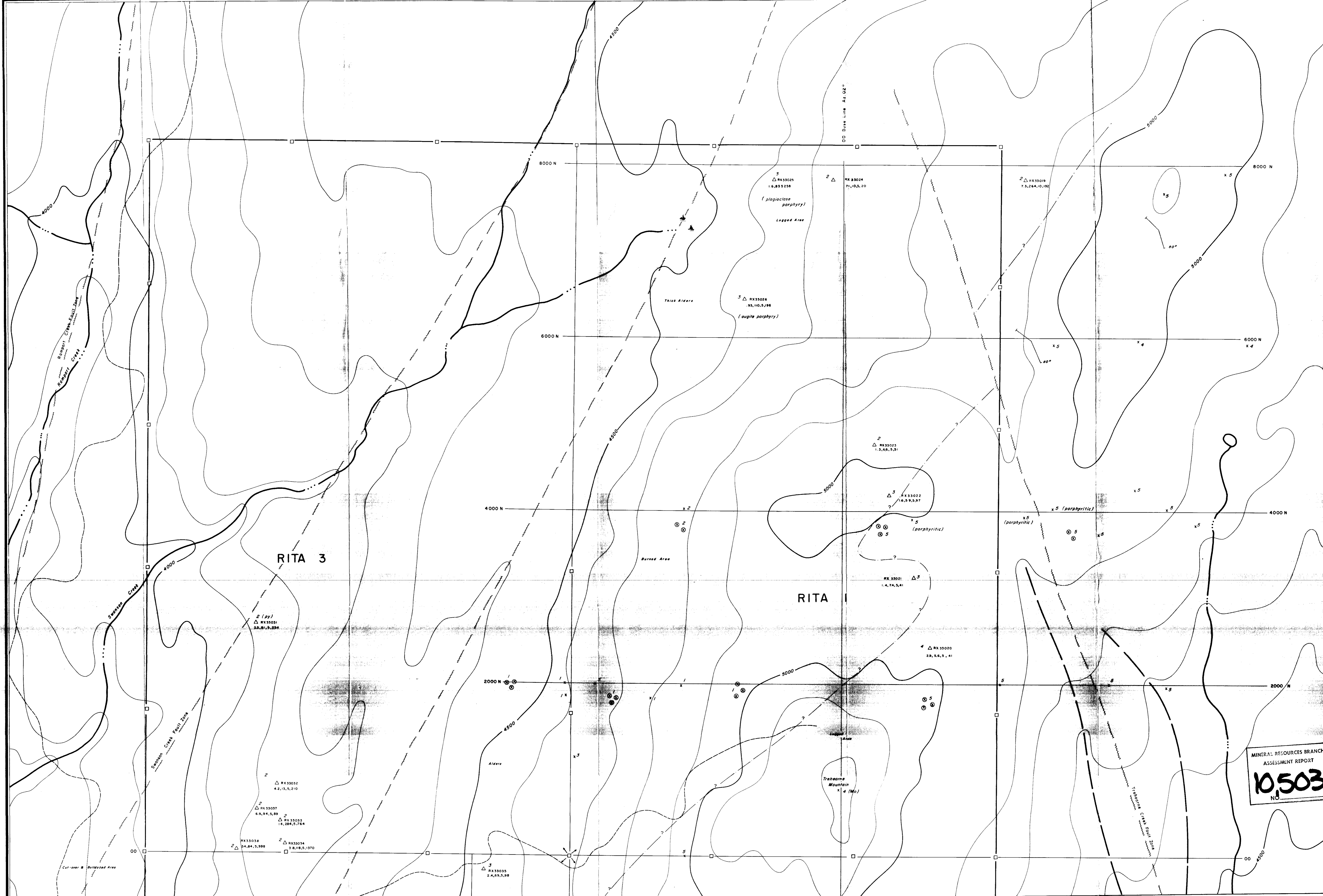
Mo/Cu/Au/Ag

Scale: 1:15,400

MINERAL RESOURCES DIVISION
ASSESSMENT REPORT
10,503
NO.

Canadian Nickel Company Limited		Copper Cliff, Ontario POM 1NO	
PROJECT: RITA CLAIMS		Area: SIMILKAMEEN MINNING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D.W. WALSH	Date drawn: JUNE, 1982	Revised:
Scale: 1:15,400	File:	N.T.S. 92 H 9 W	

STREAM SEDIMENT SURVEY MAP		SHEET	FIGURE
		1	3



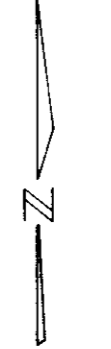
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10503
No.

MIDDLE JURASSIC		UPPER TRIASSIC	
5	Granite	3	Quartz diorite (gabbro)
4	Granodiorite	2	Crystal ash tuffs, tuffaceous arenites (felsite)
	Osprey Lake Intrusive	1	Basalt porphyry flows (greenstone)
			Nicolo Group

	Legal corner post		Grid lines B Co-ordinates
	Identification claim post		Fault
	Stream		Outcrop
	Roads		Geological contact inferred
	Swamp		Float
			Jointing - vertical, inclined

	Rock sample location B Number
	Analytical Results - Mo, Cu, Au, Ag ppm ppb
	Mo Molybdenum
	Py Pyrite

	1
	2

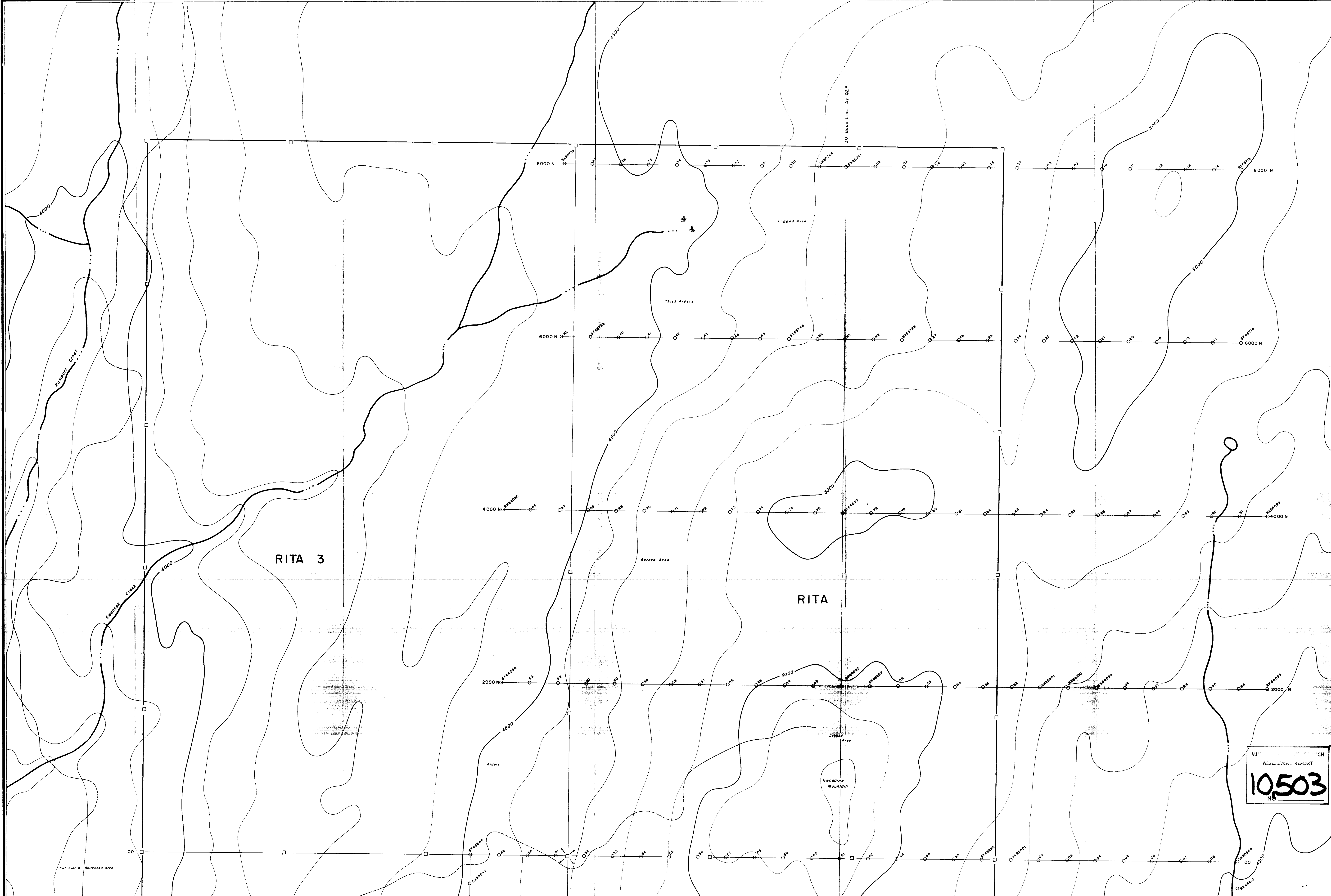


Canadian Nickel Company Limited Copper Cliff, Ontario
PCW ING

GEOLOGICAL MAP SHEET **1** FIGURE **4**

Project: RITA CLAIMS Area: SIMILKAMEEN MINING DIVISION B.C.

Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D.W. WALSH	Date drawn: JUNE, 1982	Revised:
Scale: 1:5,000	File:	NTS. 92 H 9 W	

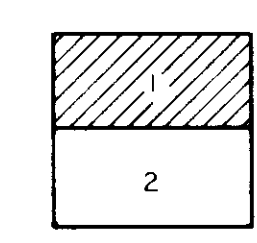


MINING DIVISION
 ASSESSMENT REPORT
10503
 NS

Canadian Nickel Company Limited
 Copper Cliff, Ontario
 P0M 1Y0

SOIL SAMPLE LOCATIONS
 SHEET 1 OF 4

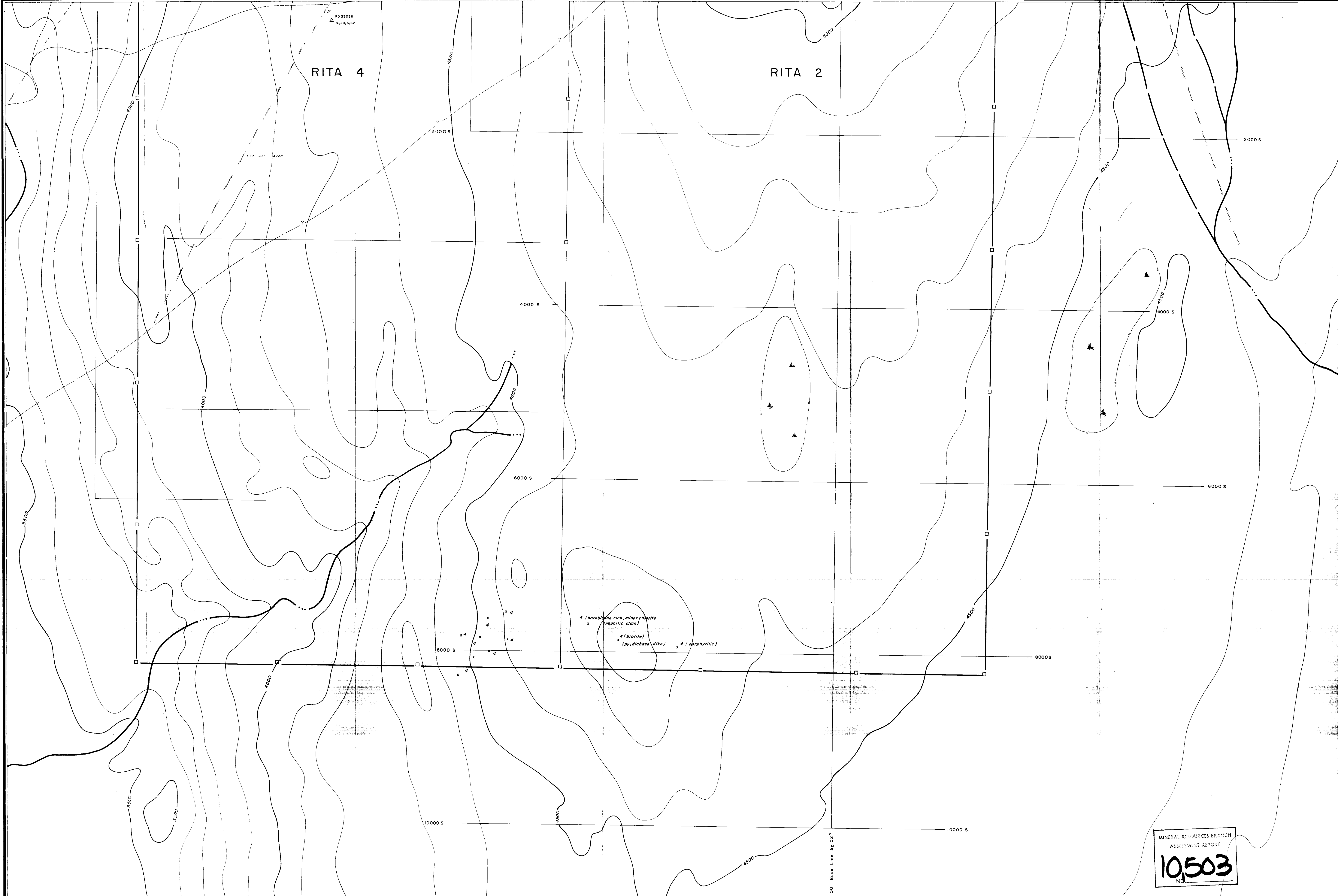
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D.W. WALSH	Date drawn: JUNE 1982	Revised:
Scale: 1:5,000	File:	NTS. 92 H9W	



Soil sample location and number

SHEET INDEX





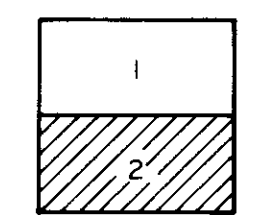
RITA 4

RITA 2

Cup Over Area

4 (hornblende rich, minor chlorite
(mafic stain))
4 (biotite)
(dy. diabase dike) 4 (porphyritic)

MINERAL RESOURCES BRANCH
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NO.



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Canadian Nickel Company Limited

Copper Cliff, Ontario
POM 1NO

GEOLOGICAL MAP

SHEET	FIGURE
2	4

Project: RITA CLAIMS Area: SIMILKAMEEN MINNING DIVISION B.C.

Supervisor: E. J. DEBICKI Instrument: Survey date:

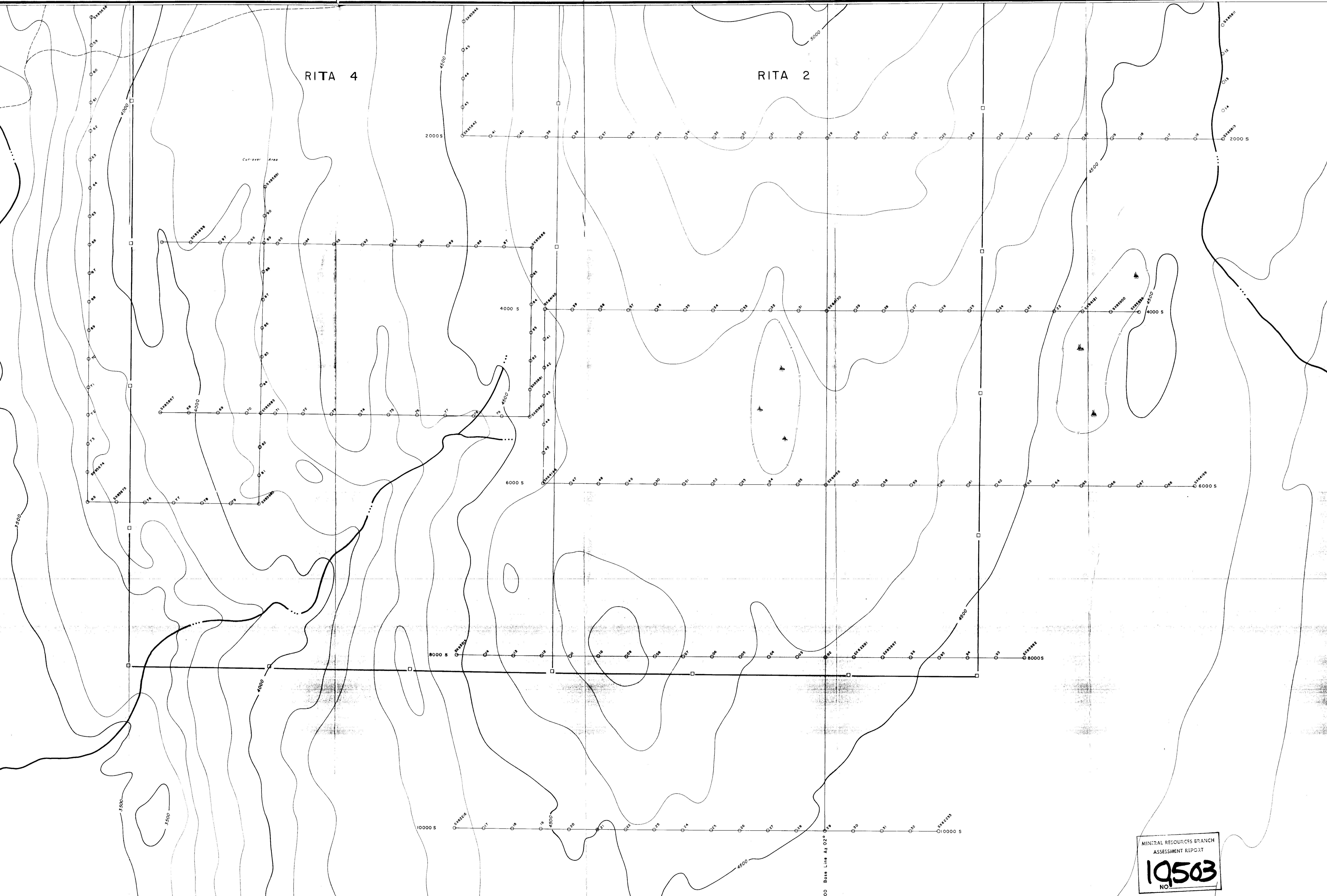
Compiled by: P. PETO Drawn by: D. W. WALSH Date drawn: JUNE, 1982 Revised:

Scale: 1:5,000 File: NTS 92 HSW

RITA 4

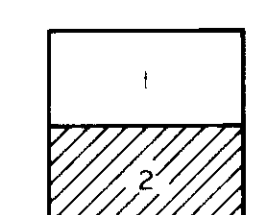
RITA 2

cut-over Area



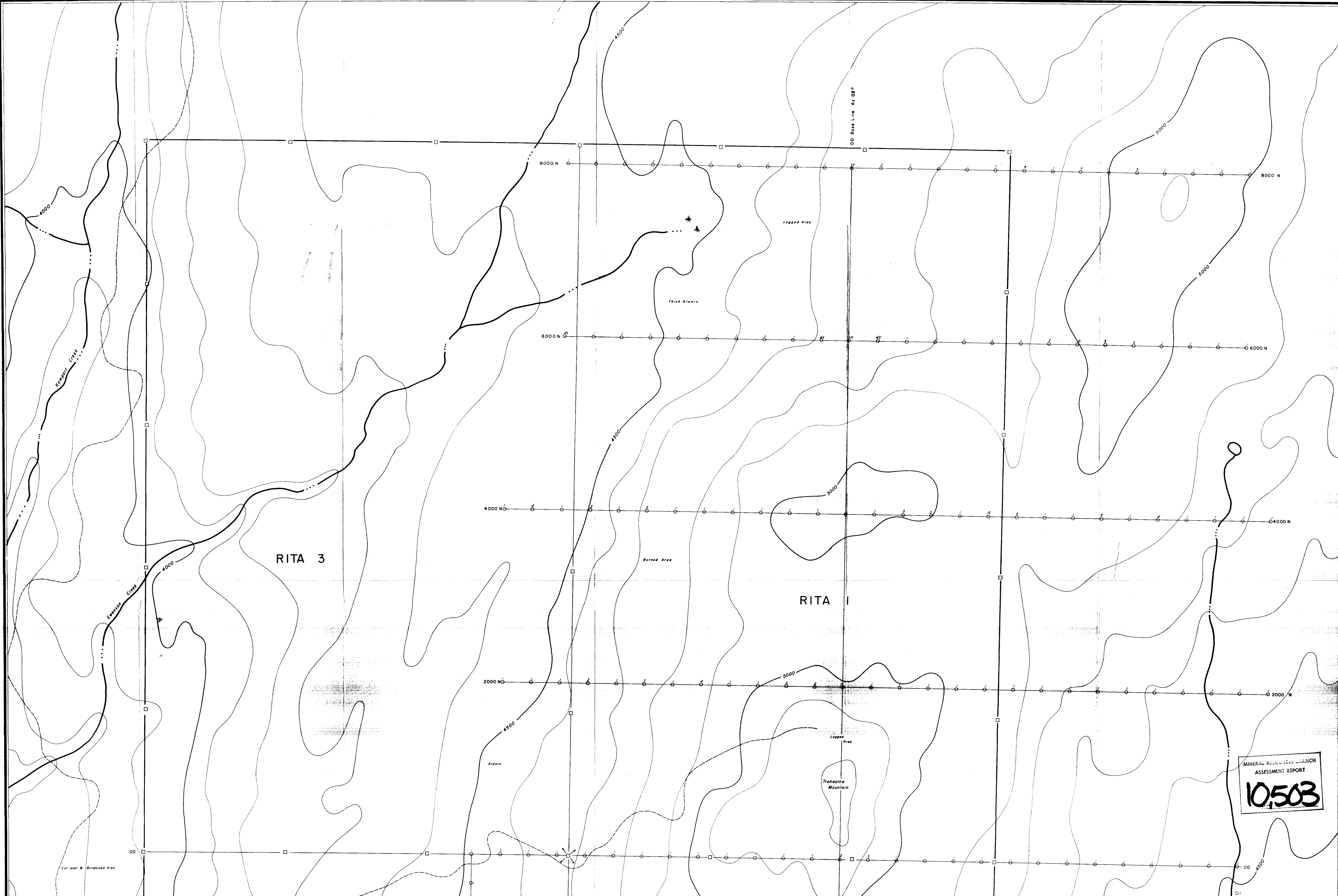
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
19503
NO.

○ Soil sample location and number



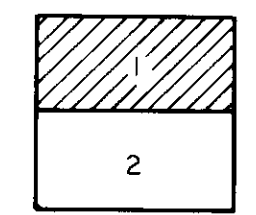
SHEET INDEX

Canadian Nickel Company Limited		Copper Cliff, Ontario	
SOIL SAMPLE LOCATIONS		SHEET	FIGURE
		2	4
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D. W. WALSH	Date drawn: JUNE, 1982	Revised:
Scale: 1:5,000	File:	NTS. 92 H9W	

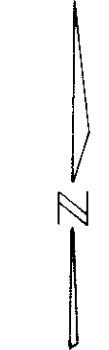


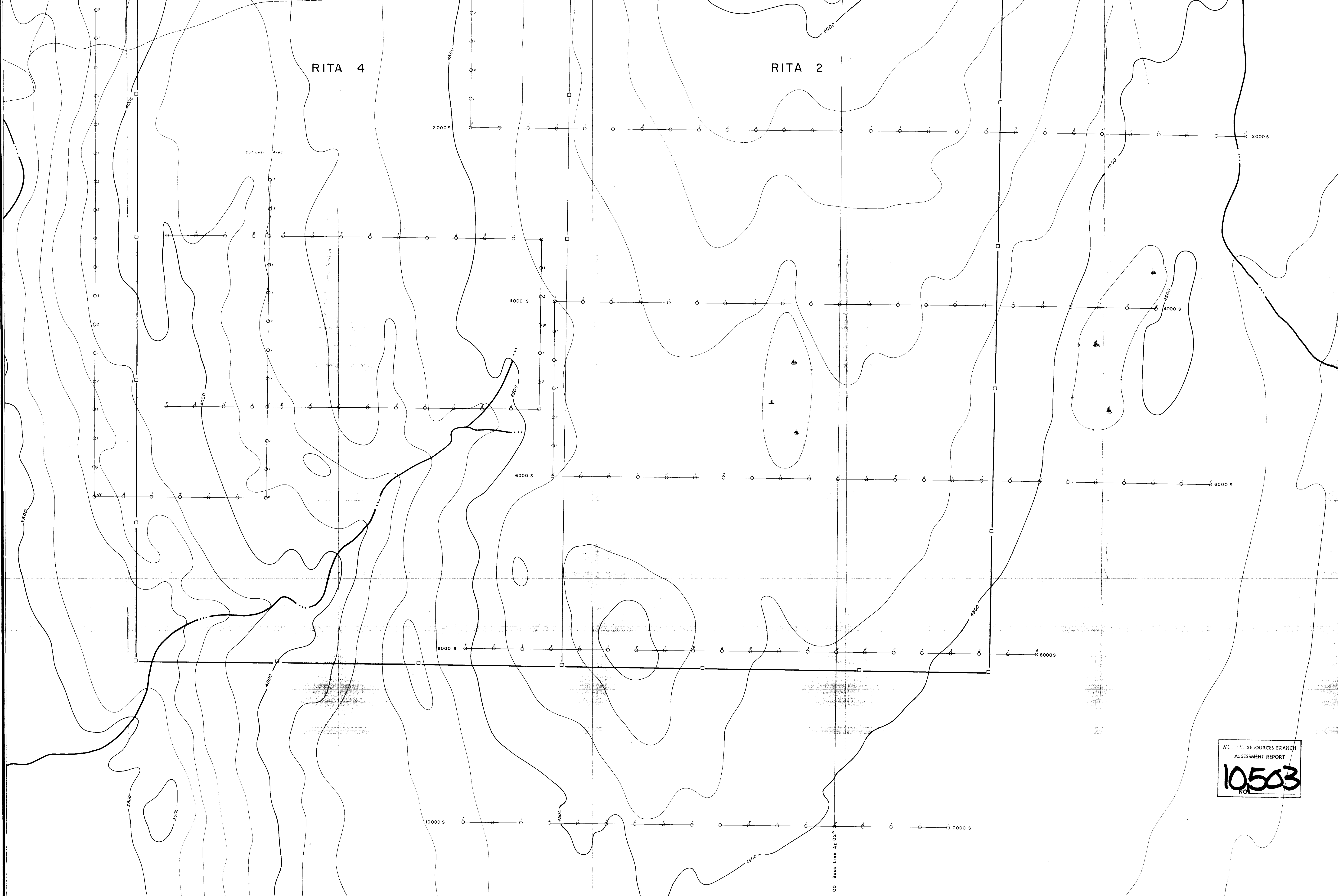
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,503

Canadian Nickel Company Limited		Copper Cliff, Ontario PGM 110	
SOIL SAMPLE ASSAYS		SHEET	FIGURE
MOLYBDENUM RESULTS (ppm)		1	5a
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D. W. WALSH	Date drawn:	Revised:
Scale: 1:5,000	File:	N.T.S. 92 H 9W	



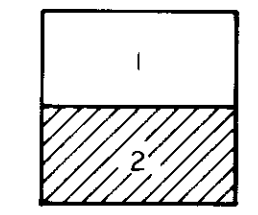
○ Soil sample location and analysis (ppm)





MINING RESOURCES BRANCH
ASSESSMENT REPORT
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NO.

Canadian Nickel Company Limited		Copper Cliff, Ontario POM 1NO	
SOIL SAMPLE ASSAYS MOLYBDENUM RESULTS (ppm)		SHEET 2	FIGURE 5a
Project: RITA CLAIMS		Area: SIMILKAMEEN MINING DIVISION B.C.	
Supervisor: E. J. DEBICKI	Instrument:	Survey date:	
Compiled by: P. PETO	Drawn by: D. W. WALSH	Date drawn: JUNE 1982	Revised:
Scale: 1:5,000	File:	NTS 92 H9W	



○ Sample location and analysis (ppm)

SHEET INDEX