82-F

ROCKLAND MINING LTD.

Extract from Report by A. Q. Allen

DURATION

The work was started October 27th and was carries on continuously to November 2nd, 1968.

PROCEDURE

A base line was surveyed through the approximate centre of the grid area by chain and transit in a north-south direction. East-west grid lines were surveyed by chain and Brunton compass on a 300 foot spacing.

On all lines stations were established every 100 feet with a numbered picket.

At each picket a small bag of soil was taken and designated with the station number. The samples were taken to Langley B. C., dried and tested by the

Rubianic acid method for copper. The Rubianic test papers were graded to Nil, Weak, Medium and Strong, and so designated on a plan map on a scale of 300 feet per inch. This map number is R 1 and accompanies this report. In order to assist with interpretation of results a map showing sections through the grid area was drawn, designated as R 2, and also accompanies this report.

RESULTS

A major anomalous area was outlined on the Willa and Little Daisy claims. It extends in a narrow band down Alwin creek and below the road located on the northeast bank of the creek.

Two sizeable anomalous areas were outlined on the Rockland and Idler claims.

Four small anomalous areas, indicated by only one to three soil samples, are also indicated near the larger anomalies.

Time and weather did not allow the establishment of close grid patterns on and around the anomalous areas for detailed information. Such follow-up surveys are warranted when weather permits in order to localize the bedrock sources of the copper mineralization. Because of the rugged topography, however, it is considered that, along with available data acquired from the workings and showings, the locations of the sources of the copper mineralization is sufficiently tied down to warrant proceeding with additonal investigations forthwith.

INTERPRETATION

The major anomaly outlined principally on the Willa and Little Daisy claims appears to have been derived from two sources of copper mineralization. The most obvious of these is the Willa brecciated zone which extends northeasterly across the easterly and upper part of the anomaly. The second possible source is the quartz eye porphyry which underlies this particular location. Primary consideration is therefor

allocated to the hypotheses that the zone of weakness and the porphyry intrusive may be important sources of copper mineralization. The long extension of the large anomaly northwest down the creek valley may be the result of seepage and coarse mineralized talus located there.

The anomaly in the central part of the Rockland claim appears to be tied in with the Rockland shear, but here also there is a nearby occurance of quartz eye porphyry. Detailed investigation of the anomaly is warranted.

The anomalous zone on the southwestern portion of the Idler claim is close to the same elevation as the Rockland anomaly, and additional investigation of the anomaly is adviseable.

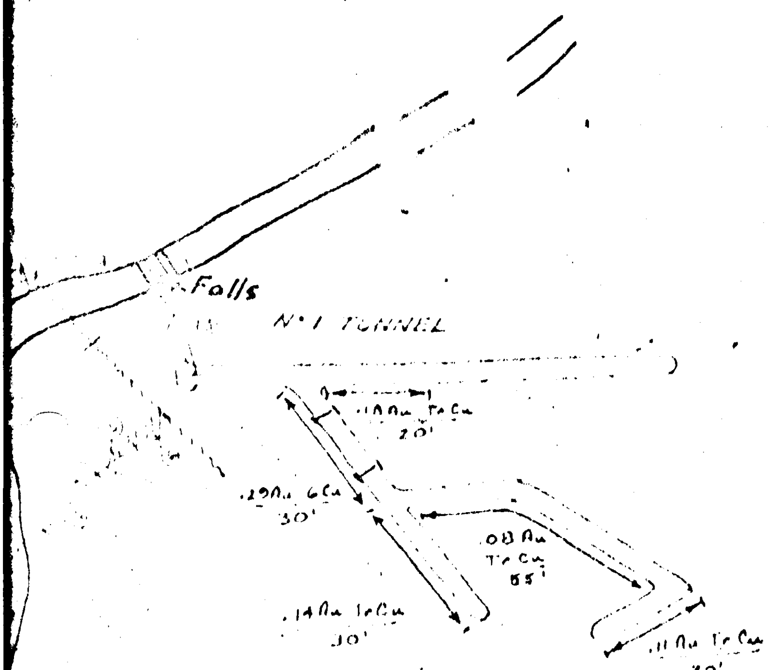
SURFACE SAMPLING

Below the #1 adit tunnel samples were cut at 10-foot intervals, in bedrock, along the left creek bank. The lower 100 feet had recently been exposed by bulldozing. The following assay results are from the samples taken near the #1 adit tunnel by Mr. T. Thomas.

#1 adit tunnel by Mr. T. Thomas.

Sample Number	Location	Width Ft.	Gold oz/T	Silver oz/T	Cu. %	Mo %
18921 C	10 Ft. E. of #1 portal	10	0.05	0.90	0.40	Tra
18922 C	10 Ft. W. of & below #1 portal	10	0.07	1.85	0.70	Trac
18923 C	20 Ft. W. of & below #1 portal	10	0.02	0.10	0.28	"
18924 C	30 Ft. W. of & below #1 portal	10	Trace	0.10	0.30	"
18925 C	40 Ft. W. of & below #1 portal	10	0.005	0.60	0.18	"
18927 C	60 Ft. W. of & below #1 portal	10	0.005	0.05	0.15	"
18928 C	70 Ft. W.,of & below #1 portal	10	0.015	0.30	0.35	"
18929 C	80 Ft. W. of & Below #1 portal	10	0.005	0.20	0.20	"
18930 C	90 Ft. W. of and below #1 portal	10	0.01	0.15	0.18	"
18931 C	100 Ft. W. of & below #1 portal	10	0.005	0.10	0.20	"
18932 C	110 Ft. W. of & below #1 portal	10	0.01	0.10	0.20	"
18933 C	120 Ft. W. of & below #1	10	0.005	0.15	0.23	"
18934 C	175 Ft. S. Sta. 6E, small Falls,	15	0.01	0.05	0.15	0.1

Samples from badly weathered area.



Note: Draft outline and assays for No 1 tunnel taken from Report dated August 15th 1901 by Benjamin [illegible]

No 1 TUNNEL

LEGEND

D.D.H. #1

KOCKLAND

Sample No	Footage	Width	Au	Cu
29214	110-115'	5'	.05'	0.42
29204	115-120	5'	.03	0.40
29215'	120-125'	5'	.04	0.39
29205'	125-135'	10'	.02	0.35'
29216	135-145'	10'	.03	0.18
29217	145-155'	10'	.02	0.11
29218	155-165'	10'	.01	0.06
29219	165-175'	10'	.01	0.05'
29220	175-185'	10'	.01	0.13
29206	185-195'	10'	.01	0.17
29221	195-205'	10'	.01	0.13
29207	205-215'	10'	.02	0.10
29222	215-225'	10'	.01	0.13
29223	225-235'	10'	.10	0.38
29208	235-245'	10'	.01	0.18
29209	245-255'	10'	.05'	0.34
29213	255-265'	10'	.10	0.47
29210	265-275'	10'	.05'	0.37
29211	275-285'	10'	.13	1.28
29212	285-295'	10'	.16	0.76

U.D.H. 2

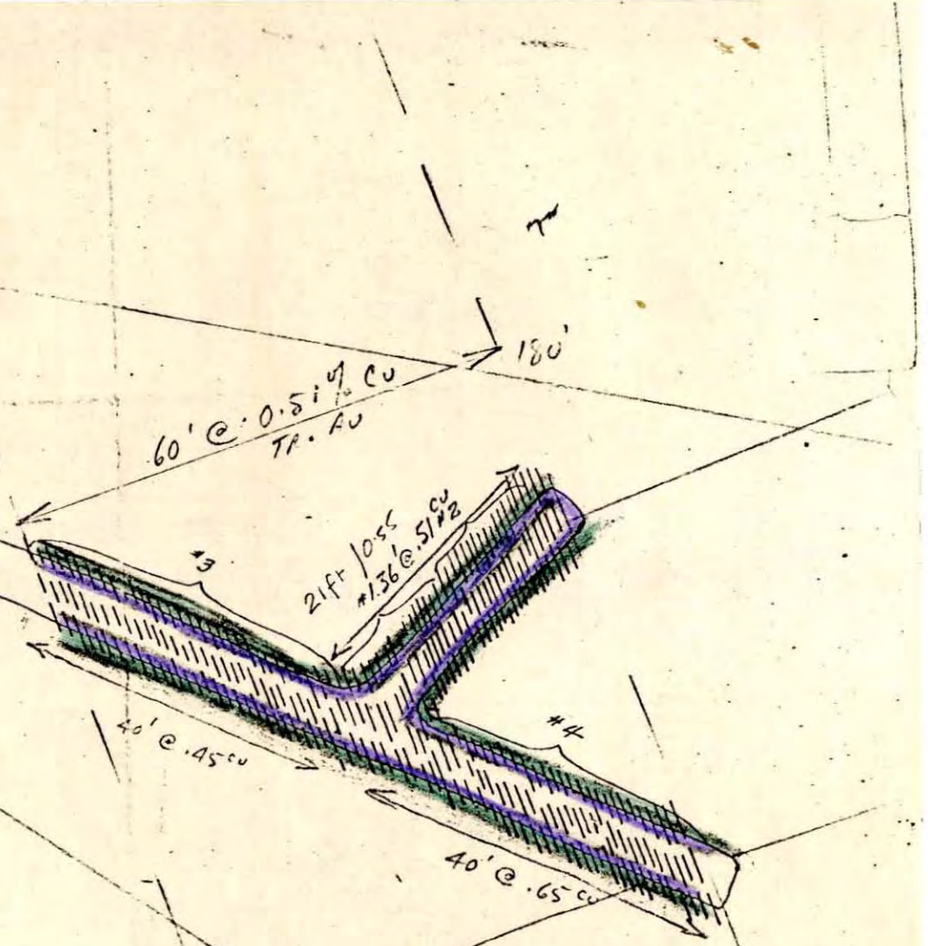
KOCKLAND

Sample No	Footage	Width	Au	Ag	Cu
22291	215-220	5'	.05	0.1	.05
22292	220-225	5	.04	0.1	.16
22293	225-230	5	.07	0.2	.47
22294	230-235	5	.09	0-3	.66
22295	235-240	5	.06	0-1	.39
22296	240-245	5	.05	TR	.30
22297	245-250	5	.03	0.3	.15
22298	250-255	5	.03	0.2	.33
22299	255-260	5	.03	0-1	.47
22276	260-265	5	.04	0.2	.60
22277	265-270	5	.04	0-1	.31
22278	270-275	5	.11	0-1	.45
22279	275-280	5	.03	0-1	.21
22280	280-285	5	.07	0-1	.10
22281	285-290	5	.02	TR	.17
22282	290-295	5	.08	0-1	.20
22283	295-300	5	.06	0-1	.14
22284	300-305	5	.01	0-1	.06
22290	305-310	5	.01	TR	.06
22285	310-315	5	.01	0-1	.12
22286	315-320	5	.21	0-7	1.45
22287	320-325	5	.24	0-9	1.66
22289	325-331	6	.02	0-2	0.10

AREA of SOFT BROKEN GROUND SLUFFING & ROTTEN TIMBER

SHEAR ZONE & BRECCIA
QUARTZITE
COPPER CARBONATE
SAMPLES

SCALE 1 inch = 20 FT.



SOUTH WEST TUNNEL ROCKLAND COPPER SLOCAN AREA

ROCKLAND ADIT

GEOCHEMICAL SURVEY

BASE LINE

ACTIVE

GOLDEN L 7303

GOLDEN FR. L 7307

A1 FR.

B1 FR.

IDLER L 7304

LITTLE DAISY L 7302

C1

WILLA L 1529

ROCKLAND L 3884

E1

SLIDE 1

AVALANCH 1

RUSTLER L 3885

N12 — D — N9 — A1 FR. — N6 — N3 — O — S3 — C1 — S6 — S9 — S12 — E1 — S15 — S18 — S21

N12 — N9 — N6 — N3 — O — S3 — S6 — S9 — S12 — S15 — S18 — S21

N

TRUE

LEGEND

- C.G. CLAIM BORDER
- M.C. BORDER
- CREEK
- 4000 — TOPO. CONTOUR
- ADIT
- ROAD
- TRAIL

GEOCHEMICAL REACTION

- STRONG
- MEDIUM
- WEAK
- NIL

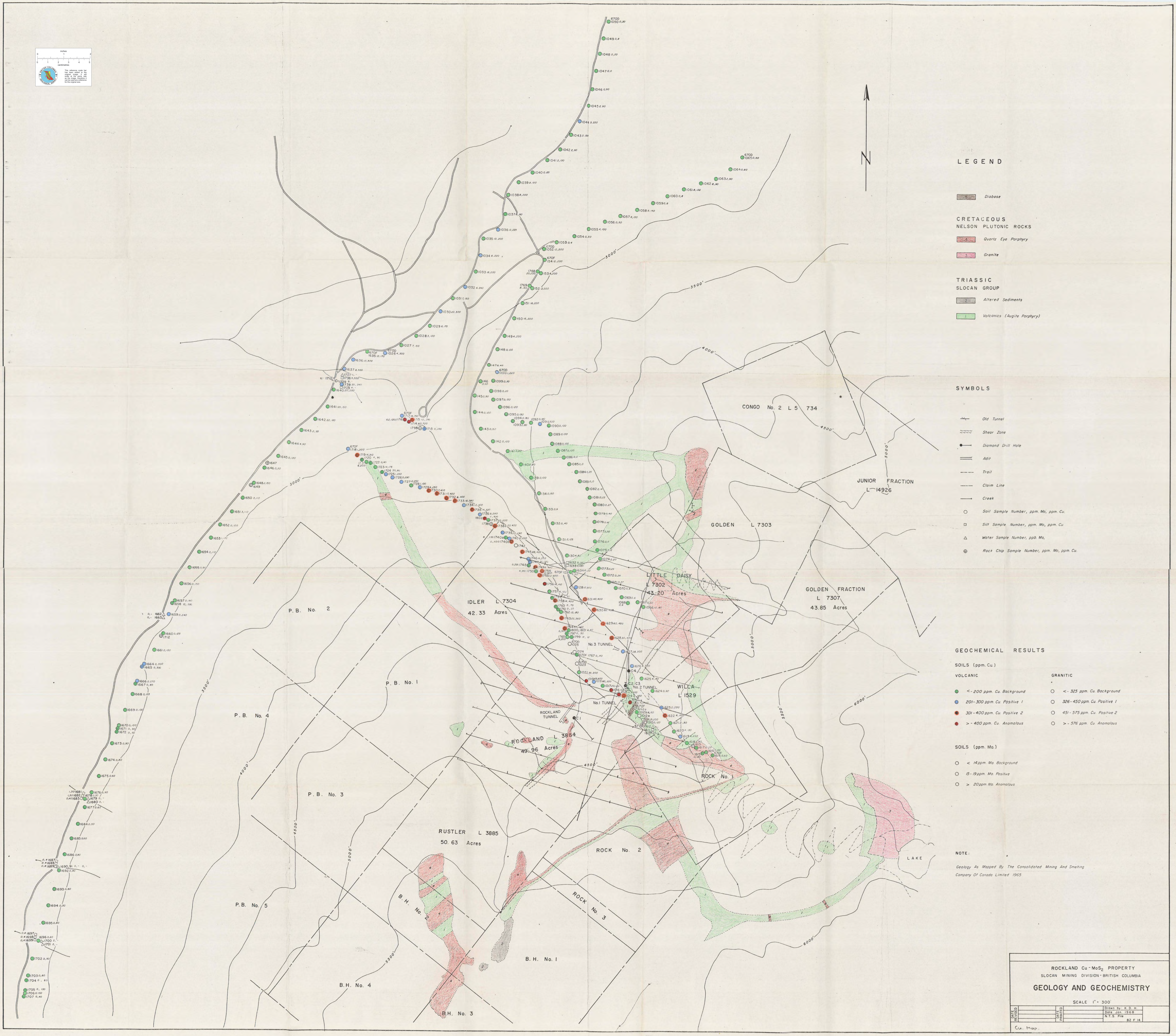
ROCKLAND MINING LTD.

GEOCHEMICAL SURVEY

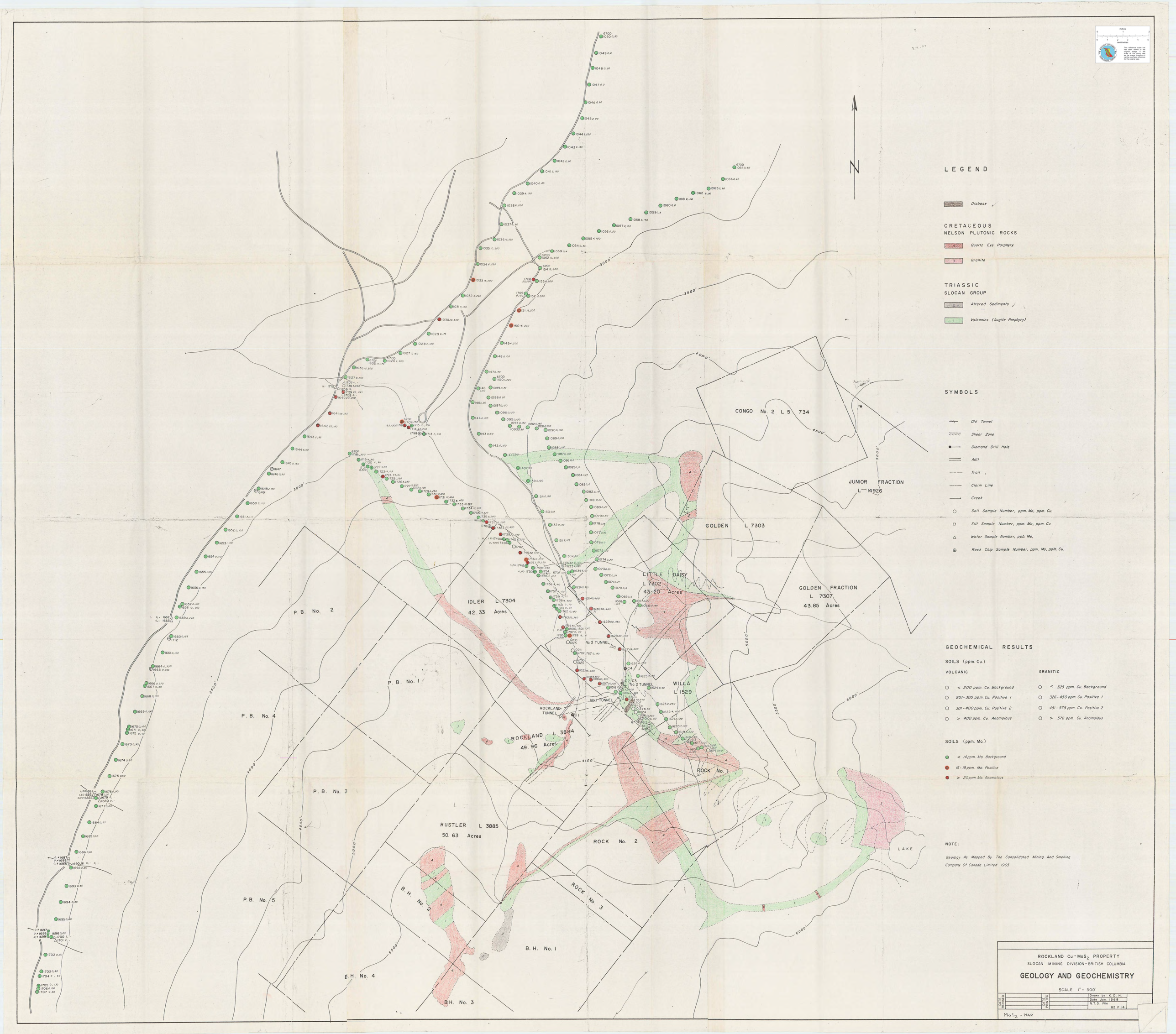
A FÜSTÖS	Dec. 1968	
A R ALLEN	R.I.	

BCIL - 1173C - G.H.L.

CU MAP


LEGEND
Diabase
CRETACEOUS
NELSON PLUTONIC ROCKS
Quartz Eye Porphyry
Granite
TRIASSIC
SLOCAN GROUP
Altered Sediments
Volcanics (Augite Porphyry)
SYMBOLS
Old Tunnel
Shear Zone
Diamond Drill Hole
Adit
Trail
Claim Line
Creek
Soil Sample Number, ppm. Mo, ppm. Cu.
Silt Sample Number, ppm. Mo, ppm. Cu.
Water Sample Number, ppb. Mo,
Rock Chip Sample Number, ppm. Mo, ppm. Cu.
GEOCHEMICAL RESULTS
SOILS (ppm. Cu.)
VOLCANIC
<- 200 ppm. Cu. Background
201-300 ppm. Cu. Positive 1
301-400 ppm. Cu. Positive 2
>- 400 ppm. Cu. Anomalous
GRANITIC
<- 325 ppm. Cu. Background
326-450 ppm. Cu. Positive 1
451-575 ppm. Cu. Positive 2
>- 576 ppm. Cu. Anomalous
SOILS (ppm. Mo.)
< 14 ppm. Mo. Background
15-19 ppm. Mo. Positive
> 20 ppm. Mo. Anomalous
NOTE:
Geology As Mapped By The Consolidated Mining And Smelting Company Of Canada Limited 1965
N
CONGO No. 2 L 5734
JUNIOR FRACTION L 14926
GOLDEN L 7303
GOLDEN FRACTION L 7307 43.85 Acres
LITTLE DAISY L 7302 43.20 Acres
IDLER L 7304 42.33 Acres
P.B. No. 2
P.B. No. 1
P.B. No. 4
P.B. No. 3
P.B. No. 5
No. 3 TUNNEL
No. 2 TUNNEL
No. 1 TUNNEL
ROCKLAND TUNNEL
WILLA L 1529
ROCKLAND L 3884 49.96 Acres
ROCK No. 1
ROCK No. 2
ROCK No. 3
RUSTLER L 3885 50.63 Acres
B.H. No. 2
B.H. No. 1
B.H. No. 4
B.H. No. 3
LAKE
ROCKLAND Cu-MoS2 PROPERTY
SLOCAN MINING DIVISION - BRITISH COLUMBIA
GEOLOGY AND GEOCHEMISTRY
SCALE 1" = 300'
DATE REVISED
DATE PRINTED
Drawn by: K. D. H.
Date Jan. 1968
N.T.S. File 82 F 14
Cu. Map.

MO S_2 MAP



LEGEND

Diabase

CRETACEOUS
NELSON PLUTONIC ROCKS

4 Quartz Eye Porphyry

3 Granite

TRIASSIC
SLOCAN GROUP

2 Altered Sediments

1 Volcanics (Augite Porphyry)

SYMBOLS

- Old Tunnel
- Shear Zone
- Diamond Drill Hole
- Adit
- Trail
- Claim Line
- Creek
- Soil Sample Number, ppm. Mo, ppm. Cu.
- Silt Sample Number, ppm. Mo, ppm. Cu.
- Water Sample Number, ppb. Mo,
- Rock Chip Sample Number, ppm. Mo, ppm. Cu.

GEOCHEMICAL RESULTS

SOILS (ppm. Cu.)

VOLCANIC	GRANITIC
< 200 ppm. Cu. Background	< 325 ppm. Cu. Background
201 - 300 ppm. Cu. Positive 1	326 - 450 ppm. Cu. Positive 1
301 - 400 ppm. Cu. Positive 2	451 - 575 ppm. Cu. Positive 2
> 400 ppm. Cu. Anomalous	> 576 ppm. Cu. Anomalous

SOILS (ppm. Mo.)

- < 14 ppm. Mo. Background
- 15 - 19 ppm. Mo. Positive
- > 20 ppm. Mo. Anomalous

NOTE:

Geology As Mapped By The Consolidated Mining And Smelting Company Of Canada Limited 1965

ROCKLAND Cu - MoS_2 PROPERTY

SLOCAN MINING DIVISION - BRITISH COLUMBIA

GEOLOGY AND GEOCHEMISTRY

SCALE 1" = 300

DATE RECEIVED		DATE PRINTED	
			Drawn by K. D. H.
			Date Jan. 1968
			N.T.S. File
			82 F 14

MoS_2 - MAP