2215

F I E L D R E P O R T

GEOCHEMICAL SURVEY

PEEL CLAIM GROUP

MERRITT, B.C.

50° 120° SW

H.E. MADEISKY

ASSOCIATED GEOLOGICAL SERVICES LTD.

VANCOUVER, CANADA

DOLMAGE CAMPBELL AND ASSOCIATES, CONSULTANTS

VANCOUVER, CANADA

April 10th to 22nd, 1969.

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INTRODUCTION

From the 10th to the 22nd of April, 1969, soil sampling of the Peel Claim Group of Peel Resources Ltd., was carried out by Associated Geological Services Ltd., to outline copper mineralization and to determine the presence of molybdenum.

This report covers primarily the field aspects of the survey and outlines the approach, used in interpreting the collected data.

LOCATION AND ACCESS

The Peel Claim Group (50° 15'N, 120° 55'W) lies 11 miles NW of the town of Merritt and 1.8 miles north of the Craigmont Mines open pit. The group consists of 14 full size claims and 2 fractional claims, located along a single N-S line (10,800 feet.)

The trenches on the property are at an altitude of 4800 feet. 4.2 miles from the Craigmont Mine road turnoff, the Jackson Lake Road reaches the south-east corner of the claim group and a cat trail leading 3/4 mile into the property. The cat trail serves as access to the trenches.

The Jackson Lake Road is well marked, and passable by two-wheel drive vehicles. The cat trail can be negotiated by four-wheel drive vehicles.

GEOGRAPHY

The Peel Claim Group lies on the northern side of the Promotory Hills. (Topographic Map: Merritt, B.C.) The area is semi-arid with approximately 14 inches of precipitation per year.

With the exception of the northern one-third of the property, the terrain is rolling and swampy in the low areas, relief being no more than 100 feet,

slopes not exceeding 20°. The northern one-third of the property is hilly and swampy in the low areas, relief being no more than 300 feet, slopes not exceeding 45°.

Drainage is complex and the general direction is to the East.

VEGETATION

The property is covered almost entirely by Jackpine. There are occasional stands of black spruce.

Due to periodic fires in the area, none of the growth is much older than 20 years; approximately 75% of the growth 5-10 years old and consequently very dense. The youngest growth is found on the southern and northern end of the property. There are no appreciable amounts of undergrowth. However, the ground is 30% covered by dead falls.

GEOLOGY

References: G. S. C. Memoir 249, 1961
Map - 886 A - 887 A

The Peel Claim Group lies 3/4 miles north of the contact between the Jurassic Guichon Batholith, the lower Cretaceous Kingsvale Group to the south-east and the upper Triassic Nicola Group to the south-west.

The prevailing rock, underlying the property, is granodiorite containing veinlets of epidote in small stringers.

Trenching in the vicinity of 20N - 15W yielded copper carbonates.

The glaciation direction is from NW to SE.

Due to heavy snow cover, the depth of overburden and further geological information was not obtained.

FIELD WORK

Figure 1. shows the layout of soil sample stations relative to claim posts and claim boundaries. A north-south base line (through 16W) was established using compass and chain. Sampling lines were surveyed with compass and chain every 400 feet along the base line, east to west. Soil sampling stations were established at 100 foot intervals on the sampling lines by placing a picket at each point with the grid coordinates written on each picket. The lines are corrected for slope, and are clearly marked with red flagging tape.

The samples were taken at depths from 2 inches to 12 inches. Colour and texture of the soil, as well as the direction of drainage were noted with each sample taken.

SOIL

The soil includes light brown clay and silt, light to medium brown sand, medium to dark brown loam, black humus and the various admixtures. The soil horizons are, due to a very erratic drainage, poorly established and in many locations non-existent. Due to glaciation and drainage the distribution of the soils is so erratic that (with the exception of the swamps) none of the different soil types on the property can be found in a group.

COPPER

Background metal values:

The overall background for copper lies in the vicinity of 25 parts per million (ppm).

The main factor influencing this, apart from mineralization or possible contamination is the humus content of the soil. Even though erratic, a steady increase in ppm values is noted with increasing organic (humus) content of the soil.

In areas of active seepage (swamps) the ppm values in the soil are extremely erratic.

In dry areas the behaviour of the humus soil is more parallel to the non-humus soil.

Since approximately 20% of the samples taken come from swampy areas, and their metal retention is very erratic, extreme caution should be used in incorporating these samples in an outline of copper mineralisation.

Thresholds:

A threshold value of 80 parts per million (ppm) was selected from the histogram to determine significant copper values in the dry soils.

Due to considerable variations in local conditions no attempt was made to establish a threshold of copper values for the wet soils (org-humas from swamps). Therefore each of these samples should be treated entirely as a local phenomence.

Trends: (See Figure 1.)

Most anomalies are aligned in N20°W direction, which probably reflects the direction of ice movement rather than of underlying structure, although there is no obvious 'fanning out' of metal values. With this in mind, there appears to be an allignment of anomalies with the trenched area. The area where trenching had been carried out (20N, 15W), did not yield anomalous copper values.

Anomalies:

Anomalies are interpreted here with respect to soil content. Humus samples, especially in topographic lows, tend to show much higher and much more erratic metal content, therefore each anomaly is considered unique with respect to soil type.

A total of 29 anomalies are outlined, each of which has been assigned a letter on Figure 1.

Anomalies A, B, C and D	A and B are in swamp; C and D are from organic material. These anomalies are significant only in determining alignment of anomalous trends.
Anomalies E, F, G, H and I	Anomaly E is considered significant F, H and I insignificant. G may be useful to establish a link in the general anomalous trend.
Anomalies J K L M N and O	With the exception of anomaly K, this group is not important in that most samples were collected in active swamp.
Anomalies P, Q, R, S, T and U	P, Q, S, T and U are in swamp. R is significant, like G, may be useful in establishing an anomalous trend, although it too borders on an active swamp.
Anomalies V, W, X and Y	V and X are significant, W and Y are unimportant.
Anomalies Z, A1, B1 and C1	Z and A1 are significant. B1 and C1 are in swampy areas, and are unimportant.

MOLYBDENUM

No significant values of molybdenum were found, which might warrant further attention. There is no evidence of molybdenum-copper association.

RESULTS AND CONCLUSIONS

Anomalies E, V, X, Z and A1 establish an anomalous trend, which approximately parallels the direction of glaciation. The trend is however, generally normal to the batholithic contact which occurs to the south. Anomalies E, V and A1 are considered to be the most important, and should receive first priority in any further work.

Respectfully submitted,

ASSOCIATED GEOLOGICAL SERVICES LTD.,

H. E. Madeisky, Project Manager

May 21, 1969

STATEMENT OF QUALIFICATIONS

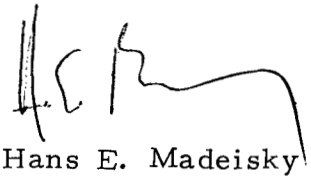
I, Hans E. Madeisky, with business address in Vancouver, British Columbia, do hereby certify that:

1. I am a Junior Geologist, having completed three years towards a B. Sc., in Geology at El Camino College and the University of Southern California.

2. I have two years experience in Geological Exploration, one of which is concentrated on Geochemical Exploration.

3. I personally supervised the Geochemical Survey of the Peel Claim Group of Peel Resources Ltd., described herein.

Respectfully submitted,



Hans E. Madeisky

Vancouver, British Columbia,

27 November, 1969

CERTIFICATE

I, David P. Arscott, with business address in Vancouver, British Columbia, do hereby certify that:

1. I am a professional engineer, registered in the Province of British Columbia.

2. I have visited the Tom and Peel claim groups during the survey herein described. I concur with the methods employed and the results stated.

3. To the best of my knowledge the interpretation of data, and the expenditures claimed for the performance of the geochemical surveys, are correct.

Submitted,

David Arscott

David P. Arscott, P. Eng.,

Vancouver, British Columbia
1 December, 1969

ASSOCIATED GEOLOGICAL SERVICES LTD. / Room 17-558 Howe Street. Vancouver 1. B.C./Telephone (604) 688-4745

Consulting / Property Examinations / Geological Surveys / Geo-chemical Surveys / Mine Development / Project Management

INVOICE NO. 200(B)

April 11, 1969.

Dolmage, Campbell & Associates,
808 Canada Bank Bldg.,
900 West Hastings Street,
Vancouver 1, B.C.

RE: PEEL RESOURCES/PEEL CLAIM GROUP

Period: March 16 - 31st, 1969.

Salaries	$390.90
U.I.C.	.60
C.P.P.	6.72
W.C.B. 4¼%	20.43
Auto Rental	27.00
Apex Equipment	34.57
Willson Stationery	9.32
	$489.54
Add 15%	73.43
TOTAL DUE...	$562.97

Declared before me at the City of Vancouver, in the Province of British Columbia, this 16 day of February, 1970, A.D.

Robt C Gall

A Commissioner for taking Affidavits within British Columbia or A Notary Public in and for the Province of British Columbia.

SUB-MINING RECORDER

ASSOCIATED GEOLOGICAL SERVICES LTD. / Room 17-558 Howe Street, Vancouver 1, B.C./Telephone (604) 688-4745

Consulting / Property Examinations / Geological Surveys / Geo-chemical Surveys / Mine Development / Project Management

INVOICE NO. 205(B)

April 17, 1969.

Dolmage Campbell & Associates,
808 Canada Bank Bldg.,
900 West Hastings Street,
Vancouver 1, B.C.

RE: PEEL RESOURCES/PEEL CLAIM GROUP

Period: April 1st to 15th, 1969.

Salaries	$ 806.70
U.I.C.	5.00
C.P.P.	15.20
Hol. Pay 4%	30.90
W.C.B. 4¼%	35.60
Grasslands Hotel (6 men April 10 - 15 incl.)	287.55
B.C. Indust.	3.00
D. Arscott Expenses	111.00
Claude Jackson (Skidoo rental)	50.00
	$1,344.95
Add 15%	201.74
TOTAL DUE	$1,546.69

Declared before me at the City of Vancouver, in the Province of British Columbia, this 10 day of February, 1970, A.D.

Robt A Spall

L. Jeanotte

A Commissioner for taking Affidavits within British Columbia or A Notary Public in and for the Province of British Columbia

FOR MINING RECORDER

ASSOCIATED GEOLOGICAL SERVICES LTD. / Room 17-558 Howe Street, Vancouver 1, B.C./Telephone (604) 688-4745

Consulting / Property Examinations / Geological Surveys / Geo-chemical Surveys / Mine Development / Project Management

INVOICE NO. 207 (B)

May 3, 1969.

Dolmage Campbell & Associates,
808 Canada Bank Bldg.,'
900 West Hastings Street,
Vancouver 1, B.C.

RE: PEEL RESOURCES/PEEL GROUP

Period: April 15 to 30th, 1969.

Salaries	$1,000.40
U.I.C.	11.30
C.P.P.	23.26
Hol. Pay 4%	40.01
W.C.B. 4¼%	43.09
Pooley Bros.	174.00
Bonder Clegg	649.55
Rileys	2.88
D. Arscott Expenses	53.50
B.C. Tel.	6.75
Secretarial & Accounting	15.00
Redhawk Rentals	172.50
	$2,192.24
Add 15%	328.84

TOTAL DUE $2,521.08

Declared before me at the City of Vancouver, in the Province of British Columbia, this 10 day of February, 1970, A.D.

Robert A. Gall

L. Jeannotte

A Commissioner for taking Affidavits for British Columbia or SUB-MINING RECORDER

ASSOCIATED GEOLOGICAL SERVICES LTD. / Room 17-558 Howe Street, Vancouver 1, B.C./Telephone (604) 688-4745

Consulting / Property Examinations / Geological Surveys / Geo-chemical Surveys / Mine Development / Project Management

INVOICE NO. 210(B)

May 27, 1969.

Dolmage Campbell & Associates,
808 Canada Bank Bldg.,
900 West Hastings Street,
Vancouver 1, B.C.

RE: PEEL RESOURCES/PEEL CLAIM GROUP

Period: May 1st to 15th, 1969.

Salaries	93.75
Pension Plan	1.91
Hol. Pay 4%	3.75
W.C.B. 4¼%	3.96
Rileys	13.57
Shell Oil	19.29
Bondar Clegg	527.50
Behnsen	3.50
Pacific	12.05
Drafting	13.00
Accounting	10.00
Report	6.21
B.C. Tel.	3.30
	711.79
Add 15%	106.77
TOTAL DUE	$818.56

Declared before me at the City of Vancouver, in the Province of British Columbia, this 20 day of February, 1970, A.D.

A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.

SUB-MINING RECORDER

ASSOCIATED GEOLOGICAL SERVICES LTD. / Room 17-558 Howe Street. Vancouver 1. B.C./Telephone (604) 688-4745

Consulting / Property Examinations / Geological Surveys / Geo-chemical Surveys / Mine Development / Project Management

INVOICE NO. 224(B)

June 4, 1969.

Dolmage Campbell & Associates,
808 Canada Bank Bldg.,
900 West Hastings Street,
Vancouver 1, B.C.

RE: PEEL RESOURCES/PEEL CLAIM GROUP

Period: May 16 - 31st, 1969.

Salaries	$100.00
U.I.C.	.80
C.P.P.	1.72
Hol. Pay. 4%	4.00
W.C.B. 4¼%	4.25
Shell Oil	2.05
Willson Stationers	1.50
Rileys	3.00
Grasslands Motor Hotel	395.50
Accounts, etc.	8.33
	$521.15
Add 15%	78.17

TOTAL DUE $599.32

Declared before me at the City of Vancouver, in the Province of British Columbia, this 10 day of February, 1970, A.D.

Karl C. Graf

A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.

MINING RECORDER

LIST OF PERSONS EMPLOYED

NAME	POSITION	ADDRESS
D.P. ARSCOTT	SR. GEOLOGIST	#5-1327 ROBSON STR., VANCOUVER, B.C.
H.E. MADEISKY	JR. GEOLOGIST	2B-1598 W. 16th AVE., VANCOUVER 8, B.C.
D. SKIDMORE	SAMPLER	7570 AUBREY DRIVE BURNABY, B.C.
D. CHARTER	SAMPLER	#1-1102 BEACH AVE., VANCOUVER, B.C.
S. SCOTT	SAMPLER	#5-1102 BEACH AVE., VANCOUVER, B.C.
A. PSHYK	SAMPLER	#1-1102 BEACH AVE., VANCOUVER, B.C.
T.D. WILKINSON	MINING TECHNOLOGIST	948 GARROW DRIVE, PORT MOODY, B.C.
P.W. DUNSFORD	DRAFTSMAN	2564 PANORAMA DRIVE, NORTH VANCOUVER, B.C.

Declared before me at the City
of Vancouver, in the
Province of British Columbia, this 10
day of February, 1970, A.D.

Paul C. Spell

L. Jeanotte
~~A Commissioner for taking Affidavits within British Columbia~~
A ~~Notary Public in and for the Province of British Columbia.~~

SUB MINING RECORDER

STATEMENT OF PERSONS EMPLOYED

GEOCHEMICAL SURVEY
PEEL GROUP

PERSON	ADDRESS	POSITION	BASIC PAY RATE	DAYS WORKED	GROSS PAY
D. Arscott	1924 McNichol Vancouver, B.C.	Geologist	800.00/mo.	17½	727.75
M. Madeisky	1598 W. 16th Ave. Vancouver, B.C.	Assistent Geologist	500.00/mo.	21	525.00
D. Skidmore	7570 Aubrey Str. Burnaby. B.C.	Sampler	450.00/mo.	12	279.28
S. Scott	2024 W. 13th Ave. Vancouver, B.C.	Sampler	450.00/mo.	11½	284.74
D. Charter	5075 Payne Str. Vancouver, B.C.	Sampler	400.00/mo.	11½	268.62
A. Pshyk	5075 Payne Str. Vancouver, B.C.	Sampler	400.00/mo.	12	244.25

NORTH (T)

MAG. DECL. EAST 23°

Marb 16. 17. f

Cat trail

Jackson L. road
4.2 mi. to Craigmont Mine road

lake

swamp

creek

40w 36w 32w 28w 24w 20w 16w B.L. 12w 8w 4w 0w

0N 4N 8N 12N 16N 20N 24N 28N 32N 36N 40N 44N 48N 52N 56N 60N 64N 68N 72N 76N 80N 84N 88N 92N 96N 100N 104N 108N

DOLMAGE CAMPBELL & ASSOCIATES CONSULTANTS, VANCOUVER, CANADA

ASSOCIATED GEOLOGICAL SERVICES LTD., VANCOUVER, CANADA

PEEL RESOURCES LTD.

SOIL SAMPLE SURVEY

PEEL CLAIM GROUP

APRIL 1969	FIG. 1	SCALE: 1" = 400'	H.E. MADEISKY

To accompany report
by H.E. Madeisky
April 1969

D. Arscott

Legend

CUT LINE

PROPERTY BOUNDARY

SWAMP BOUNDARY

BASE LINE

CLAIM POST

Mo ppm / Cu ppm

80 ppm Cu

200ppm Cu

320ppm Cu

nd not detected

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2215 MAP #1

2215