GEOLOGICAL AND GEOCHEMICAL REPORT
on the 92P/8W
Eagle Creek Nos. 1,2,3 & 4 groups
at Little Fort, B.C., 51° 120° SE
by N.B. Vollo, P.Eng., Oct. 2nd, '67
ROYAL CANADIAN VENTURES LTD

EC-85

Zn, Cu, Mo

1053

1055

Geological and Geochemical Report

on

The 92P/8 Eagle Creek Groups

Nos. 1, 2, 3 & 4

of

ROYAL CANADIAN VENTURES LTD.

at

Little Fort, B.C., 51° 120° SE

by

N.B. Vollo, P.Eng.

Oct. 2nd, 1967

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Maps in pockets

Geological Map 1" = ¼ mile — #4
Geochemical Map, 1" = ¼ mile, Cx THM — #6
" " " " , Total Cu — #8
" " " " , " Zn — #7
" " " " , " Mo — #9
Property Map, 1" = ¼ mile. — #5

Geochemical Plan, 1" = 400', Total Zn — #1
" " " " , Total Cu — #2
" " " " , Total Mo — #3

GEOLOGICAL AND GEOCHEMICAL REPORT

On

THE 92 P/8 EAGLE CREEK Nos. 1, 2, 3 & 4 GROUPS

Location

The Eagle Creek Groups are located about 12 air miles West of Little Fort, north of Eagle Creek and the Bridge Lake Road.

Access

The Group can be reached by a gravel road from Little Fort to Bridge Lake. A deep road along Eagle Creek permits access to Janice Lake by four wheel drive vehicles. A fairly good logging road, passable by car in good weather, parallels the west boundary of No. 1.

Claims

The four groups are composed of 146 claims, all held by Royal Canadian Ventures, as follows: -

No. 1 Group

EC-1 to EC-14	Record Nos. 60872 - 60885
EC-19, 21, 23, 25	Record Nos. 60890,92, 94, 96.
EC-27 to EC-32	Record Nos. 60898 - 60903
EC-51	Record No. 60922
EC-53 to EC -66	Record No. 60924 -60937

No. 2 Group

EC-15 - EC-18	Record Nos. 60886 - 60889
EC-20, 22, 24, 26	Record Nos. 60891,93,95, 97
EC-33 - EC-44	Record Nos. 60904 - 60920
EC-90, 92, 94	Record Nos. 60061,-63, 65

No. 3 Group

EC-50, 52	Record Nos. 60921, 23
EC-67, 68,69, 78	Record Nos. 60938, 39, 40, 49
EC-80 - EC-87	Record Nos. 60951 - 60958
EC-95 - EC-104	Record Nos. 60966 - 60975
EC-89, 91, 93	Record Nos. 60962, 64, 66
EC-111 - 116	Record Nos. 60982 - 60987
EC-125 - EC-130	Record Nos. 60996 - 61001

No. 4 Group

EC-70 - EC-77	Record Nos. 60941 - 60948
EC -79	Record No. 60950
EC - 105 - EC-110	Record Nos. 60976 - 60981
EC - 117 - EC-124	Record Nos. 60980 - 60995
EC-131 - EC-146	Record Nos. 61002 - 61017

Topography

The property is on a rough plateau surface between 3500 and 5300 feet above sea level.

The southern half has very abundant bed rock exposure with abrupt local relief, and numerous small lakes. The northern half has a very low outcrop, much more subdued relief and good drainage. Eagle and Phinetta Creek occupy a deep V shaped valley 1000 to 1500 feet below the plateau surface.

Climate & Vegetation

The property lies approximately on the boundary between the relatively dry grass lands of the Bridge Lake area and the heavy forest to the east. The southern part is covered with scrubby lodgepole pine with a little spruce and fir on the north slopes. The area north of Janice Lake is covered with a mature forest of fir and spruce and pine, with some excellent stands of timber.

Emar and Eagle creeks flow year round, but all other streams were dry or mere trickles by mid summer of 1967.

Field Work

The Groups were staked in the fall of 1966, on the basis of relatively high cold extractable total heavy metal anomalies ~~and~~ on ~~the~~ Emar and Eagle Creeks and in some of the intervening streams, taken in conjunction with a strong north-westerly tending lineament.

A base map was prepared from 1" to 1/4 mile B.C. Air photos and detailed streams ~~have been~~ sampling done in May, 1967, with a little check sampling in July.

Geological mapping was done by the writer in May and August, using widely spaced traverses, mostly along claim location lines, mapping directly on enlarged air photos on a scale of approximately 1" = 600 feet. A soil survey was done on parts of the groups during September by Amex Mining Exploration Services on a contract basis.

Geology

General - The area has been mapped by Campbell & Tipper of the Geological Survey of Canada. A map on the scale of 1" = 4 miles has been published as map 3-1966, Bonaparte River.

The Eagle Creek group straddles the contact between granodiorite, placed in the triassic - jurassic by Campbell and Tipper and sedimentary and volcanic rocks to the north, which they

assign to the Triassic Nicola group.

Petrology

The Granodiorite is typically light creamy white, massive and medium to coarse grained. It is composed of approximately 25% hornblende, 15% quartz, 50% plagioclase and 10% orthoclase. In many specimens, orthoclase cannot be readily identified and the rock would be better termed a quartz diorite. In some specimens the hornblende content rises to about 70%, with 25% orthoclase, 15% quartz, but this facies would comprise less than 5% of the Granodiorite in the mapped area. On the islands in Janice Lake, the Granodiorite becomes fine grained, slightly gneissic, and contains a little biotite.

Granite is exposed in a few small outcrops in the north-west corner of No. 1 group. It is medium grained, reddish, composed of orthoclase, hornblende and quartz, and may be a border phase of the granodiorite.

Several dike types are present. The most common are feldspar porphyry, usually less than 10' wide. These are gray, fine grained with poorly defined feldspar phenocrysts to about 2 m.m. Dark fine grained diabasic dikes are common but are usually less than 5' wide and not shown on the accompanying map.

A quartz porphyry dike occurs near the south boundary of the No. 3 Group. It is composed of about 65% feldspar, 35% quartz, with the quartz phenocrysts rather poorly defined. It is always somewhat rusty, with limonite filled vugs, and often

contains 5% to 10% specular hematite. It has a maximum exposed width of about 400 feet.

The Nicola sedimentary and volcanic rocks are very poorly exposed. About 3,000 feet north of Janice Lake there are several outcrops of thinly bedded grey cherty shale, some of which may be tuff. A small island near the north-east shore of Janice Lake is an outcrop of coarse andesitic agglomerate.

A fine grained grey, well banded paragneiss outcrops on a broad point on the east shore of Janice Lake, and probably represents a contact metamorphic phase of the Nicola Rocks.

Structure

Three sets of lineaments are apparent on air photos. The most prominent strike north north-westerly, a second set strikes west-northwest and a third set strikes north-east.

A strong north-northwesterly linear feature lies just west of Janice Lake and undoubtedly represents the extension of a major fault shown by Campbell and Tipper, but not extended by them into the granodiorite. The quartz porphyry dike is apparently truncated by the fault and outcrops of granodiorite near it often show moderate alteration.

The second, or west-northwest lineaments probably represent quartz porphyry or feldspar porphyry dikes. The former in particular, is rather friable and probably weathers rapidly.

The origin of the north-easterly lineaments is not clear but they possibly represent faults.

The Nicola rocks strike nearly north south and dip steeply west. Their contact with the granodiorite can be located with some precision through Janice Lake, but scarcity of outcrop makes the location uncertain to the east and to the west. The contact, modified after Campbell & Tipper, is shown on the accompanying map as a heavy dashed line.

Alteration & Mineralization

The granodiorite becomes altered along the fault zone south west of Janice Lake. It looses its sharp texture, and developes a greenish cast. Feldspar becomes saussuritized and hornblende partly altered to chlorite.

About 3,000 feet north of Janice Lake, a north south striking fracturezone is heavily chloritized, and lightly mineralized over the width of a few feet. Some trenching and diamond drilling was done by previous owners. The writer saw a little pyrrhotite, pyrite and galena.

The quartz porphyry dike contains specular hematite near the north northwesterly fault and also is somewhat rusty with numerous limonite filled vugs, probably after pyrite.

GEOCHEMISTRY

Procedure - Stream silt samples were collected in late May by following streams to their source, with samples taken at approximately 500 to 1,000 foot intervals, and at each tributary. Active stream silts were taken as far as possible. A 1" to 1/4 mile map previously

prepared from air photos was used as control and corrected in the field when necessary.

Samples were collected in kraft paper envelopes, dried and screened, and the -80 mesh fraction ~~claimed~~ retained. Cold extractable total heavy metals were determined by the dithizone method, with a trail kit and chemicals supplied by Jens Mogenson Laboratories, Toronto, Ontario. The remainder of the -80 mesh fraction was analysed by T.S.L. Laboratories, 325 Howe Street, Vancouver, B.C. using hot HCl acid extraction, with total copper and zinc determined by atomic absorption, molybdenum by the Zn - dithiol method.

Soil samples were collected during September by Amax Exploration Services on a contract basis, under the supervision of the writer. Samples were taken along 200 foot intervals along compass and chain lines spaced 800 feet apart. Three blazed and chained base lines spaced 2,000 feet apart provided control. Samples were also taken at 200 foot intervals along the base line.

Due to the bouldery nature of the overburden and the very dry summer, soil augers proved impractical. Mattocks were therefore used to dig shallow holes to the "B" horizon, which was readily recognizable. A record was kept of samples containing organic material though these proved to be quite few, less than 5% of the total.

Samples were prepared and analysed for copper, zinc and molybdenum by T.S.L. Laboratories, using the same procedure as for the stream samples.

Interpretation

Total copper in the stream sediments is rather high, with a median value of approximately 100 ppm. This compares with a median value of approximately 20 ppm for other parts of the Bonaparte pluton. Copper is rather erratic, but with some consistent high values along the fault zone west of Janice Lake, and along the Emar Lakes chain to a point north-east of Janice Lake.

Total zinc is quite low in streams draining the granodiorite except for an area about a mile south west of Janice Lake. Zinc content is much higher in streams draining the Nicola rocks north and east of Janice Lake.

Molybdenum content is very low in most of the area with one stream north-east of Janice Lake showing high values up to 9 ppm.

Cold extractable/total heavy metals correspond fairly closely to the total copper and zinc, with markedly high values in the Nicola rocks.

As a result of the stream sampling and geological mapping, a strip 6,000 feet wide and 12,000 feet long, parallel to the fault zone west of Janice Lake, and straddling the granodiorite - Nicola contact were selected for soil sampling.

The copper content in the soil samples is fairly uniform and low, with a medium or average value of 20-30 ppm. Occassional scattered highs can be discounted as due to the high organic content in these samples.

Total zinc is also fairly uniform, but three broad anomalous areas are present between Janice Lake and Eagle Creek, between Janice and Cecilia Lakes, and immediately north-east of Cecilia Lake.

The anomalies all trend northeasterly parallel to the third set of surface lineaments.

Conclusions & Recommendations:

1. The three zinc anomalies are of sufficient magnitude to warrant further investigation. They should be tested by geophysical methods, using either induced polarization or Turam.

2. Soil sampling should be extended to cover the ground north of Janice Lake.

N.B. Vollo
P. Eng.

2nd October, 1967.

ASSESSMENT DATA

Personnel

N.B. Vollo, P.Eng., Geologist.
Field mapping--------May 26th - June 3rd, 1967
Aug. 16th - 18th, 1967
Photogeology --------Nov. 25th, 29th, 1966
Drafting, report
preparation- Aug. 4th - 15th 1967
Sept. 24th, 25th
Oct. 1st, 2nd.

R. Zimmerman, prospector.
Drafting ----------Jan. 3rd, 4th, 1967
Sept. 25th, 26th 1967
Sample collection ---May 8th - June 3rd, 1967
June 18th,to June 20th, 1967

M. Hjelt, prospector
Sample collection ---May 8th t0 June 3rd, 1967
Geochemical analysis June 5th, 6th, 22nd, 1967
Drafting ---------- Sept. 25th, 26th, 1967

Soil Sample Collection

Amex Mining Exploration Services, 233 Birch Ave,
N. Kamloops, B.C.
September, 1967

Transportation

Rented FWD truck, rented private car.

Geochemical Analysis

TSL Laboratories Ltd., 325 Howe St., Vancouver.

Accomodation

Lac Des Roches Fishing Camp, Little Fort, B.C.
Janice Lake Fishing Camp, Little Fort, B.C.

AFFIDAVIT ON EXPENDITURES

Geology and Stream Sampling

N.B. Vollo, Geologist, 17 days @ $75.00	1275.00
R. Zimmerman, prospector, 22 days @ $40.00	880.00
M. Hjelt, prospector, 25 days @ 35.00	875.00
	$3030.00

Air photographs	43.71
Printing	83.81
Geochemical supplies	55.65
Geochemical analysis	595.00
Accomodation and meals	184.13
Truck rental	55.02
Car rental, 625 miles @ 12¢	75.00
	$4122.32

Total number of claims	146
Expenditure per claims, 4122.32/146 = approximately	29.00

Distributed to claim groups as follows:

No. 1 group ——, 39 claims	$1100.00
No. 2 group, 28 claims,	800.00
No. 3 group, 39 claims,	1100.00
No. 4 group, 39 claims,	1100.00
	$4100.00

Soil Sampling

Sample collection, per Amex invoice	$1931.95
Analysis, TSL Invoice,	1146.64
	3078.59

Total number of samples, 592, cost per sample	5.20

Distributed to claim groups as follows:

Group No. 1, 215 samples	$1100.00
Group No. 2, 195 samples	1000.00
Group No. 3, 158 samples	800.00
Group No. 4, 24 samples	100.00
	$3000.00

I, Nels. B. Vollo, of the city of Kamloops in the Province of British Columbia, make the above declaration, concientiously believing it to be true and knowing it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence act."

N. B. Vollo

Declared beforeme at the City of Kamloops, in the Province of British Columbia, this 3rd day of October, 1967 A.D.

a commissioner for taking affidavits for British Columbia

Ass. Rpt. 1055

T S L Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.
TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CHARGE TO

Royal Canadian Ventures
#270 - 180 Seymour Street
Kamloops, B.C.

INVOICE NUMBER

48687

SHIPPED TO:

DATE:	REFERENCE NO.:		YOUR ORDER NO.		
June 15, 1967	SHIPPED: June 15/67	VIA:	TERMS: NET 30 DAYS	UNIT PRICE	TOTAL
	1 Set of Chemicals for 200 Tests				$23.00
	3 T.H.M. Buffers				30.00
					$53.00
	PAID		5% TAX		2.65
			TOTAL---		$55.65

CHEQUE NO. 252
ACCOUNT 92A/8 EC
JUN 21 1967

INVOICE

T S L

Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.
TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CHARGE TO

Royal Canadian Ventures
270 - 180 Seymour Street
Kamloops, B.C.

INVOICE NUMBER

1777

SHIPPED TO:

DATE:	REFERENCE NO.: V-1167		YOUR ORDER NO.:	
	SHIPPED:	VIA:	TERMS: NET 30 DAYS	UNIT PRICE	TOTAL
~~June 1, 1967~~					
TO:	106 Stream Sediments for Cu,Zn and Mo @$1.80				$190.00
	Preparation				21.20
	PAID CHEQUE NO. 237 ACCOUNT 92 P/C Eagle CK JUN - 4 1967	TOTAL			$212.00

INVOICE

T S L Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.
TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CHARGE TO

Royal Canadian Ventures Limited
270 180 Seymour Street
Kamloops, B.C.

INVOICE NUMBER

1828

SHIPPED TO:

DATE:	REFERENCE NO.: V-1183			YOUR ORDER NO.:
	SHIPPED:	VIA:	TERMS: NET 30 DAYS	UNIT PRICE	TOTAL
~~June 9, 1967~~					
TO:	93 stream sediments for Cu and Mo				$148.80

PAID
CHEQUE NO. 246
ACCOUNT 92-918 Fo 4
JUN 15 1967

INVOICE

T S L

Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.
TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CHARGE TO

Royal Canadian Ventures Limited
270 - 180 Seymour Street
Kamloops, B.C.

INVOICE NUMBER

1849

SHIPPED TO:

DATE:	REFERENCE NO.: V-1185			YOUR ORDER NO.:
~~June 13, 1967~~	SHIPPED:	VIA	TERMS: NET 30 DAYS	

		UNIT PRICE	TOTAL
TO:	68 stream sediments for Cu, Zn and Mo @$1.80		$122.40

PAID

CHEQUE NO. 246

ACCOUNT 92 A/C Eagle Cr

JUN 15 1967

INVOICE

STATEMENT

September 29 1967

Mr. N.B. Vollo,
Royal Canadian Ventures Ltd.,
270-180 Seymour St., Kamloops, B.C.

In a/c With Amex Mining Exploration Services,
233 Birch Avenue, Kamloops.

TERMS

Geochemical Survey over the 92 P/8 Eagle Creek group of claims:		
7.25 miles of chained and blazed base and tie lines @ $95 per mi.	= $ 688.75	
592 soil samples @ $ 2.10 per sample	= $1243.20	
	$1931.95	
mobilization payment rec'd	1000.00	
final payment requested	$ 931.95	

92P/8 Eagle Cr.

TSL Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.
TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CHARGE TO

Royal Canadian Ventures
#270 - 180 Seymour Street
Kamloops, B.C.

INVOICE NUMBER

2076

SHIPPED TO:

DATE:	REFERENCE NO.:		YOUR ORDER NO.:	
	V-1241			
SHIPPED:	VIA:	TERMS: NET 30 DAYS	UNIT PRICE	TOTAL
July 13, 1967				

56 stream sediments for Cu, Zn and Mo $100.80
Preparation $ 11.20

PAID

TOTAL--- $112.00

CHEQUE NO. 284

ACCOUNT 92 0/8 Eagle CK

JUL 19 1967

T S L Laboratories Limited

325 HOWE STREET - VANCOUVER 1, B.C.
TELEPHONE 688-3504

ASSAYERS
CHEMISTS
GEOCHEMISTS

CHARGE TO

Royal Canadian Ventures
#270 - 180 Seymour Street
Kamloops, B.C.

INVOICE NUMBER

2787

SHIPPED TO:

DATE:	REFERENCE NO.: V-2992		YOUR ORDER NO.:	
	SHIPPED:	VIA:	TERMS: NET 30 DAYS	UNIT PRICE	TOTAL
Sept. 29/67					
	592 Soil Samples for Cu, Zn & Mo				$1,028.24
	Preparation				$ 118.40
					$1,146.64

Account 92 A/S Laylock.

INVOICE

EC-57 EC-59 EC-61

GROUP 1

EC-56 EC-58 EC-60 EC-62

EC-31 EC-32 EC-55

EC-30 EC-53 EC-54 EC-67 EC-69 EC-71

EC-14 EC-29

CECELIA LAKE

EC-12 EC-27 EC-28 EC-51 EC-52 Janice Lake Camp EC-68 EC-70 EC-72

GROUP 4

JANICE LAKE

EC-10 EC-25 EC-26 EC-49 EC-50 EC-78 EC-77

EC-8 EC-23 EC-24 EC-47 EC-48 GROUP 3 EC-109

GROUP 2 EC-80 EC-79

Jeep road

Eagle Creek

EC-6 EC-21 EC-22 EC-45 EC-46 EC-107

EC-82 EC-81

TRIANGLE LAKE

EC-4 EC-19 EC-20 EC-43 EC-44 EC-105

EC-84

EC-2 EC-17 EC-18 EC-41 EC-42

to accompany Geological and Geochemical report on the Eagle Creek Groups, by N.B. Vollo, P.Eng., dated Oct. 2nd, '67

Total Zn

ROYAL CANADIAN VENTURES LTD.

KAMLOOPS, B.C.

92P/8 EAGLE CREEK

GEOCHEMICAL PLAN

DRAWN BY: DATE: 2-10-67 SCALE: 1"=400' APPROVED BY:

1055

GROUP 1

GROUP 2

GROUP 3

GROUP 4

EC-57 EC-59 EC-61 EC-58 EC-60 EC-62 EC-56 EC-55 EC-31 EC-32 EC-53 EC-54 EC-67 EC-69 EC-71 EC-30 EC-29 EC-14 EC-12 EC-27 EC-28 EC-51 EC-52 EC-68 EC-70 EC-72 EC-10 EC-25 EC-26 EC-49 EC-50 EC-78 EC-77 EC-8 EC-23 EC-24 EC-47 EC-48 EC-80 EC-79 EC-109 EC-6 EC-21 EC-22 EC-45 EC-46 EC-82 EC-81 EC-107 EC-4 EC-19 EC-20 EC-43 EC-44 EC-84 EC-105 EC-2 EC-17 EC-18 EC-41 EC-42

CECELIA LAKE

Janice Lake Camp

JANICE LAKE

TRIANGLE LAKE

Jeep road

Eagle Creek

2000 E 56 00N 48 00N 40 00N 32 00N 24 00N 16 00N 8 00N 0 00 16 00S 24 00S 32 00S 40 00S 48 00S 56 00S 64 00S 20 00W

to accompany Geological and Geochemical report on the Eagle Creek Groups, by N.E. Vollo, P.Eng., dated Oct. 2nd, 196[illegible]

Total Cu

ROYAL CANADIAN VENTURES LTD.

KAMLOOPS, B.C.

92P/8 EAGLE CREEK

GEOCHEMICAL PLAN

DRAWN BY: DATE: 2-10-67 SCALE: 1"=400' APPROVED BY:

1055

GROUP 1

GROUP 2

GROUP 3

GROUP 4

EC-57 EC-59 EC-61

EC-31 EC-32 EC-55 EC-56 EC-58 EC-60 EC-62

EC-14 EC-29 EC-30 EC-53 EC-54 EC-67 EC-69 EC-71

CECELIA LAKE

EC-12 EC-27 EC-28 EC-51 EC-52 Janice Lake Camp EC-68 EC-70 EC-72

EC-10 EC-25 EC-26 EC-49 EC-50 EC-78 EC-77

JANICE LAKE

EC-8 EC-23 EC-24 EC-47 EC-48 EC-80 EC-79 EC-109

Jeep road

Eagle Creek

EC-6 EC-21 EC-22 EC-45 EC-46 EC-82 EC-81 EC-107

TRIANGLE LAKE

EC-4 EC-19 EC-20 EC-43 EC-44 EC-84 EC-105

EC-2 EC-17 EC-18 EC-41 EC-42

2000 E 000 56 00N 48 00N 40 00N 32 00N 24 00N 16 00N 8 00N 0 00 8 00S 16 00S 24 00S 32 00S 40 00S 48 00S 56 00S 64 00S 2000W

to accompany geological and Geochemical report on the Eagle Creek Groups, by N.B. Vollo, P.Eng., dated Oct. 2nd, '67

Total Mo

NOTE : Values above 1ppm only plotted

1055

ROYAL CANADIAN VENTURES LTD.

KAMLOOPS, B.C.

92P/8 EAGLE CREEK

GEOCHEMICAL PLAN

DRAWN BY: DATE: 2-10-67 SCALE: 1"=400' APPROVED BY:

No Outcrop

Long Island L.

Janice Lake

Pt

Xenoliths of S

(Aurora ?)
Lynn Lake

Laframboise Lake

Eagle Creek

Emar Lake

100 MILE HOUSE

Phinetta Lake

PHINETTA CREEK

EMAR CREEK

LITTLE FORT

EAKIN CREEK

Highway No. 24

Top Peat

LEGEND

- FP — Feldspar Porphyry dike
- D — Diorite dike
- QP — Quartz Porphyry dike
- Gr — Granite
- G — Granodiorite
- Pgn — Paragneiss
- Ag — Agglomerate
- S — Shale, Cherty Shale, tuff

- 70° — Strike and dip
- Outcrop area
- Observed contact
- Photo lineation
- Traverse
- Specimen number

N

To accompany Geological and Geochemical report on the Eagle Creek groups, by N.B. Vollo, P.Eng., dated Oct. 2nd, 1967.

4

ROYAL CANADIAN VENTURES LTD.

92P/8 EAGLE CREEK
GEOLOGICAL PLAN

DRAWN BY: R.Z., N.V. DATE: 18-8-67 APPROVED BY: N.B. Vollo

— Photo lineation

1055

1000' 500' 0 1000' 2000' 3000'
1" = 1/6 MILE
(Approximate)

GROUP NO. 1

GROUP NO. 2

GROUP NO. 3

GROUP NO. 4

EC 1 EC 2 EC 13 EC 14 EC 15 EC 16 EC 31 EC 32 EC 33 EC 34 EC 55 EC 56 EC 57 EC 58 EC 59 EC 60 EC 61 EC 62 EC 63 EC 64 EC 65 EC 66 EC 67 EC 68 EC 69 EC 70 EC 71 EC 72 EC 73 EC 74 EC 75 EC 76 EC 93 EC 94 EC 95 EC 96 EC 109 EC 110 EC 111 EC 112 EC 123 EC 124 EC 125 EC 126 EC 135 EC 136 EC 137 EC 138 EC 145 EC 146

RM 1 RM 2 RM 6 RM 7 RM 8 RM 9

Janice Lake

Lynn Lake

Latramoaille Lake

Emar Lake

Phinetta Lake

100 MILE HOUSE

PHINETTA CREEK

EMAR CREEK

LITTLE FORT

EAKIN CREEK

Highway No. 24

N

to accompany Geological and Geochemical report on the Eagle Creek Groups, by N.B. Vollo, P.Eng., dated Oct. 2nd, '67

ROYAL CANADIAN VENTURES LTD.

92P/8 EAGLE CREEK

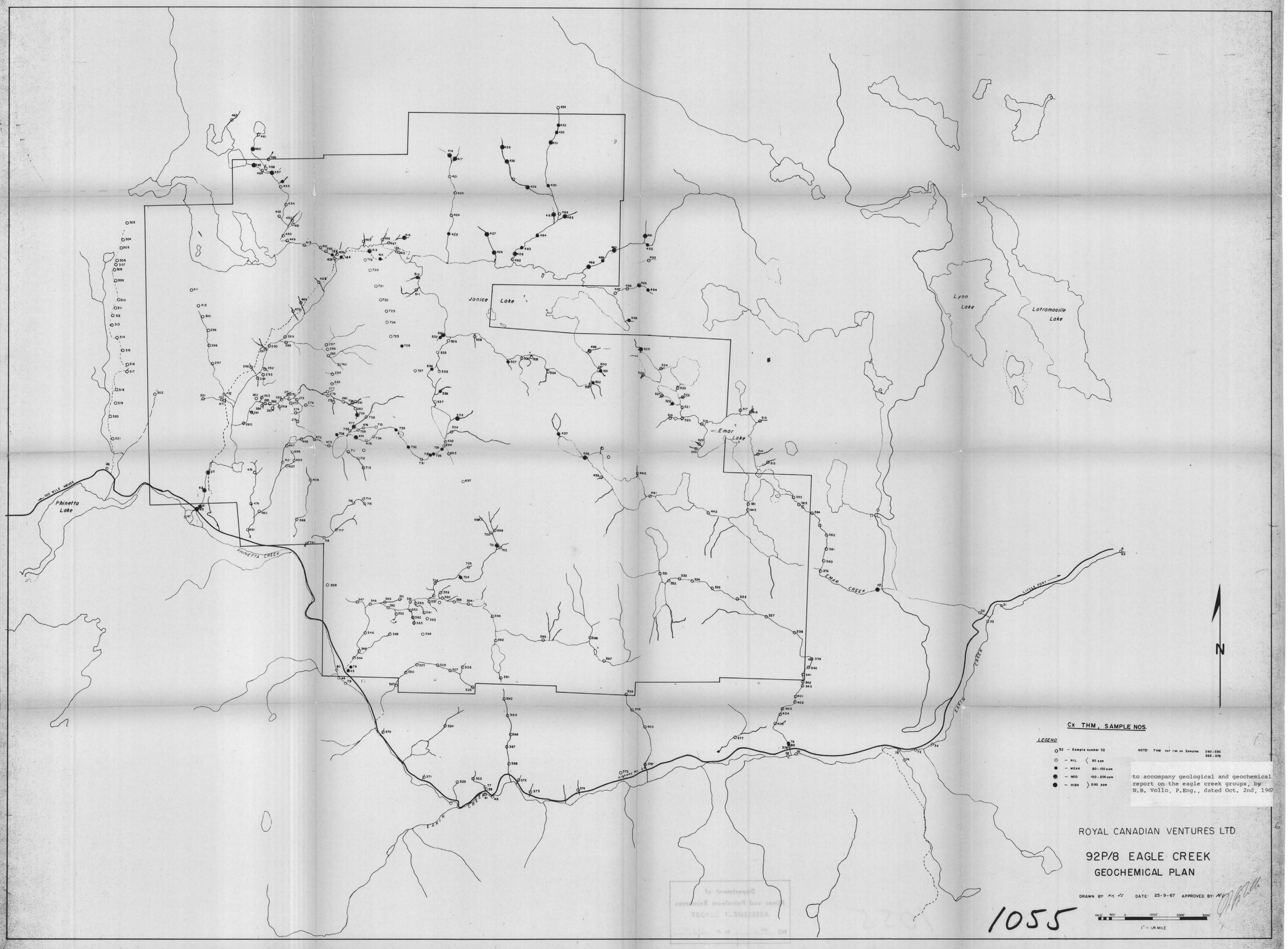
PROPERTY MAP

DRAWN BY: R.Z., N.V. DATE: 25-9-67 APPROVED BY: N.V.

1000' 500' 0 1000' 2000' 3000'

1" = 1/8 MILE

1055



Cx THM, SAMPLE NOS.

LEGEND

- 32 – Sample number 32
- ○ – NIL < 50 ppm
- ● – WEAK 50 - 100 ppm
- ● – MOD. 100 - 200 ppm
- ● – HIGH > 200 ppm

NOTE: THM not run on Samples 260-330, 363-376

to accompany geological and geochemical report on the eagle creek groups, by N.B. Vollo, P.Eng., dated Oct. 2nd, 1967

ROYAL CANADIAN VENTURES LTD.

92P/8 EAGLE CREEK

GEOCHEMICAL PLAN

DRAWN BY: [illegible] DATE: 25-9-67 APPROVED BY: [illegible]

1055

1" = 1/4 MILE

Janice Lake

Lynn Lake

Latramoille Lake

Emar Lake

Phinetta Lake

100 MILE HOUSE

PHINETTA CREEK

EMAR CREEK

LITTLE FORT

EARN CREEK

N

TOTAL Zn

LEGEND

- 32 - Zn, < 100 ppm
- 120 - ", 100 - 200 ppm
- 240 - ", 200 - 500 ppm
- 605 - ", > 500 ppm
- - No analysis for Zn

to accompany Geological and Geochemical report on the Eagle Creek groups, by N.B. Vollo., P.Eng., dated Oct.2nd, '67

ROYAL CANADIAN VENTURES LTD.

92P/8 EAGLE CREEK

GEOCHEMICAL PLAN

DRAWN BY: N.V.B. DATE: 26-9-67 APPROVED BY: NV

1" = 1/4 MILE

1055

Janice Lake

Lynn Lake

Lotramoaille Lake

Emar Lake

Phinetta Lake

100 MILE HOUSE

PHINETTA CREEK

EMAR CREEK

EARIN CREEK

LITTLE FORT

HIGHWAY No. 24

N

TOTAL Cu

LEGEND

32 - Cu, < 100 ppm

110 - ", 100 - 200 ppm

320 - ", 200 - 500 ppm

650 - ", > 500 ppm

to accompany geological and geochemical report on the Eagle Creek Groups, by N.B. Vollo, P.Eng., dated Oct. 2nd, '67

ROYAL CANADIAN VENTURES LTD.

92P/8 EAGLE CREEK

GEOCHEMICAL PLAN

DRAWN BY: M.A. M.L. DATE: 26-9-67 APPROVED BY:

1000' 500' 0 1000' 2000' 3000'

1" = 1/4 MILE

1055

Janice Lake

Lynn Lake

Latramoaille Lake

Emar Lake

100 MILE HOUSE

Phinetta Lake

PHINETTA CREEK

EMAR CREEK

LITTLE FORT

EAKIN CREEK

Highway No. 24

N

TOTAL Mo

LEGEND

O^4 - Mo, ppm

To accompany Geological and Geochemical report on the Eagle Creek groups, by N.B. Vollo, P.Eng., dated Oct. 2nd,'67

ROYAL CANADIAN VENTURES LTD.

92P/8 EAGLE CREEK

GEOCHEMICAL PLAN

DRAWN BY: N.V. E.Z. DATE: 25-9-67 APPROVED BY: N.V.

1000 500 0 1000 2000 3000

1" = 1/4 MILE

1055