File 10 H.G.

Turnagain Dease Lake Area

Roots. Geological Map

March 1959

ENCE

FROM Rod Macrae

TO E.O. Chish

9th, 1959

pecting- 1959

820616

A		N
✓	W.S.R.	✓
	G.A.C.	
✓	E.O.C.	
✓	H.A.P.	
	R.D.S.	
	B.C.B.	
	G.P.R.	
	E.L.D.	
	J.I.B.	
	E.C.J.	

Dear Ted:

Attached is a copy of the geological map of the Turnagain and Dease Lake sheets, which were mapped by F. Roots, and form part of the Stikine geological Map Number 7, published 1957.

Outlined on a sketch attached to the map is the outline of the area, I recommend we prospect for two months during the coming season.

Outcrops are plentiful in most parts of the area and there is more peridotite and ultrabasic rock in the area than was mapped in the original reconnaissances by Rott's parties.

There is about 500 square miles involved in the areas outlined, but, of course, parts of each ar a would be eliminated, on the ground, during the course of the work. The plan, undetailed as yet, would be to use dogs, prospect the area west of the Tuya River, then the area of the French Range, and , if time allowed, the area of the North side of Snow Peak Mtn.

A breakdown of the costs indicates we could do the two months prospecting in the Tuya area and two months in the Toad-Muncho for $10,000. The budget estimate is as follows:

3-men Wages:	$ 4400.00
8% fringe benefits	350.00
Maintenence 125days/2.50	1000.00
Supervision	2100.00
Transp:	
in/out	500.00
dogs	150.00
horses	500.00
aircraft	1000.00
total	$10,000.00

Roderick Macrae

Encl: map

INSTRUCTIONS FOR USE OF THIS FORM

Form to be completed in triplicate by originator. Two copies — No. 1 and No. 2 — to be forwarded to addressee. Copy No. 3 to be retained in originator's file until reply received. Addressee to complete reply in duplicate on reverse side of sheets 1 and 2 and return No. 1 to originator. In following this procedure both parties have the complete message and reply on one sheet of paper.

HONEY PRINTING SERVICE, TORONTO
STOCK FORM No. 3001

104 G/1 att - P. Price

INTER-OFFICE CORRESPONDENCE

A		N
	W.S.R.	✓
	G.A.C.	
	E.O.C.	
	H.A.P.	
	R.D.S.	
	B.C.B.	
	G.P.R.	
	E.L.D.	
	J.I.B.	
	E.C.J.	

FROM Rod Macrae

DATE March 9th, 1959

TO E.O. Chisholm

SUBJECT Prospecting- 1959

MESSAGE
(TO BE COMPLETED IN TRIPLICATE)

820616

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Roderick Macrae

Encl: map

HONEY PRINTING SERVICE, TORONTO
STOCK FORM No. 3001

INTER-OFFICE CORRESPONDENCE

FROM Mr. E.O. Chisholm

DATE 12 March 1959

TO Mr. Rod. Macrae

SUBJECT

Reply

(TO BE COMPLETED IN DUPLICATE)

Dear Rod:

The prospecting plan in the Tuya and Toad River Area, outlined in your letter of March 9th, is satisfactory and I agree that there will be additional asbestos deposits revealed in that section. The additional cost of $500.00 over the former plan is justified by the under coverage. If possible, the asbestos area should receive the first attention, as there is considerable interest due to Ostensoe's find. His knowledge of the area should give us an edge on the prospecting there.

EOC-da

E.O. Chisholm

A		N
	W.S.R.	
	G.A.C.	
	E.O.C.	
	H.A.P.	
	R.D.S.	
	B.C.B.	
	G.P.R.	
	E.L.D.	
	J.I.B.	
	E.C.J.	

CENOZOIC

QUATERNARY
RECENT

20 Unconsolidated glacial and fluvial clay, silt, sand, gravel; till; peat, muskeg

19 Tufa, hot spring deposits

18 Olivine basalt, ash, cinders

TERTIARY
PLEISTOCENE AND (?) EARLIER

17 Basalt, rhyolite, ash, tuff, agglomerate; locally may include 16; 17a, rhyolite, pisolitic siliceous tuff, chalcedonic rhyolite breccia

EOCENE

16 Basalt, rhyolite and associated volcanic rocks; minor conglomerate, sandstone, shale

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND PALEOCENE

15 Conglomerate, sandstone, shale, minor coal

MESOZOIC

CRETACEOUS
POST LOWER CRETACEOUS

14 Volcanic rocks, breccia

CRETACEOUS AND /OR EARLIER
PRE UPPER CRETACEOUS

13 Mainly volcanic rocks; minor conglomerate, greywacke; chert, argillite

JURASSIC AND CRETACEOUS
UPPER JURASSIC AND LOWER CRETACEOUS

12 Argillite, greywacke, conglomerate, coal; 12a, andesite, chert, tuff, conglomerate, shale, greywacke

JURASSIC
LOWER AND MIDDLE JURASSIC

11 Conglomerate, greywacke, grit, siltstone, shale; 11a, may include younger rocks

JURASSIC AND /OR EARLIER
PRE UPPER JURASSIC

9 10 9. Mainly volcanic rocks; minor conglomerate; greywacke, argillite
10. Mainly sedimentary rocks

TRIASSIC

8 Tuff, siltstone, limestone, conglomerate, breccia

PERMIAN AND/OR TRIASSIC

7 Volcanic and sedimentary rocks undivided; mainly andesitic and basaltic volcanic rocks; flows, breccia, tuff breccia, tuff; 7b, mainly greywacke, siltstone, conglomerate; 7c, mainly limestone

PERMIAN AND (?) EARLIER

6 Limestone, greenstone, chert, argillite, phyllitic quartzite, greywacke; meta-andesite and meta-diorite locally abundant near ultramafic bodies. May include younger greenstone; 6a, Carboniferous or Permian, mainly andesitic flows, breccia, tuff; minor sedimentary rocks

CAMBRIAN AND ORDOVICIAN
MIDDLE AND (?) UPPER CAMBRIAN, LOWER AND MIDDLE ORDOVICIAN

2 Shale, phyllite, slate, calcareous slate, limestone

CAMBRIAN
LOWER CAMBRIAN

1 Limestone, dolomite, quartzite, slate, phyllite

INTRUSIVE ROCKS

A Felsite, felsite porphyry

B Mainly quartz monzonite, granodiorite, granite

C Mainly diorite; minor gabbro

D Granite porphyry, granophyre, syenite and related rocks

E Serpentinite, peridotite; locally includes meta-andesite and meta-diorite

METAMORPHIC ROCKS

TRIASSIC OR EARLIER

F Phyllite, sericite schist, hornfels, granulite, fine-grained biotite-hornblende gneiss; Fa, may include or be equivalent to 9

PERMIAN AND/OR EARLIER
PRE MIDDLE PERMIAN

G Ga, Gneiss; Gb, phyllite, quartzite, minor crystalline limestone, highly altered and sheared greywacke and volcanic rock

MAINLY CARBONIFEROUS AND PERMIAN

H Biotite-quartz-feldspar gneiss, biotite-muscovite schist, crystalline limestone, greenstone, quartzite, phyllite

MISSISSIPPIAN AND EARLIER

J Gneiss, schist, crystalline limestone, crystalline dolomite, quartzite