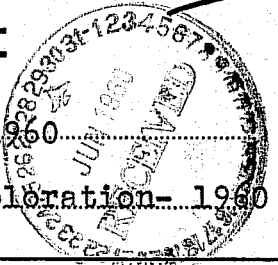


# INTER-OFFICE CORRESPONDENCE

105



FROM .....  
TO E.O. Chisholm, File

DATE June 26th, 1960  
SUBJECT Yukon Exploration-1960

### MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

007598

#### Peel Plateau- Porcupine River area:

Western Minerals and Leaseholds drilling or preparing to drill oil-gas structures:  
Amerada (American- Canadian Oil) drilling or preparing to drill oil-gas structures:  
Two seismic drilling rigs in the area working for oil companies on concession areas.

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

#### Yukon - Klondike area:

Yukon Consolidated Gold Corp: placer gold dredging.  
three or more small bench -gravel operations under development.  
Hight Ck- Johnson Ck- Dublin Gulch-Haggart Ck:

Five or more hydraulic placer operations being prepared for mining this season.

#### Keno Hill:

UKH developing from two adit levels on No 6 and No 9 veins  
Barry O'Neill leaseing on Comstock Porcupine Claims. 1959 production 25 tons of hand-sorted material estimated to average \$ 300.00/ton in silver and lead. No shipment made to smelter in 1959.  
Canadian Explorations Ltd stripping surface exposures on the Duncan claim east of Werneke Camp.

#### Elsa Camp:

UKH mining on ~~Com~~ Calumet and Elsa veins : exploratory development on old Silver King claims. Pet-Cal drilled three surface holes on Poli Cks

#### Mayo area:

Conwest explorations Ltd prospecting east and north of Keno Hill.  
Rambler Hill silver lead showings staked by McCamey and O'Neill.

#### Shakwak Valley:

American Metals- Climax prospecting area west and south of Joe's Airport Lodge. Three prospecting teams.  
Asarco doing regional reconnaissance prospecting with two men west of Haines - White River section of Alaska Highway.

#### Kathleen Lake- Mush Lake area.

By Ex surface stripping for second season on the Fraser Ck- Mush Ck copper prospect.

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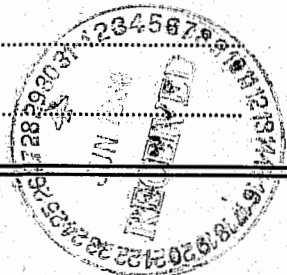
# INTER-OFFICE CORRESPONDENCE

FROM .....

DATE .....

TO .....

SUBJECT .....



## MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

Cerro De Pasco drilling on Johobo - bornite- chalcopryite prospect, Borhite Ck.

### Carmacks- Freegold- Tinto area:

Ormsby Goldcrest postponed plans to do summer work on Freegold option. Plan to move in a mining development plant in fall to drive a 3000 ft tunnel 200 ft below present workings. Company offered to install and mine this prospect if Territorial government would construct a \$50,000 rd from Carmacks to Mt Freegold this season. Conwest drilled 1500 ft on Tinto Hill and suspended work on account of low gold values.

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

### Ketza River area:

Erickson's silver lead prospect sold to American interests not identified. Conwest suspended this season's surface drilling programme following 1000 ft of deep drilling and failure to intersect structure.

### Pelly River area.

GSC operation 'Pelly' completing mapping on Tag - Sheldon Sheets.

### Flat Lake- Nahanni area:

Canada Tungsten drilling and surface trenching on tungsten prospect. Five or more helicopter -supported exploration programmes prospecting.

### General:

Gsc office here reports Dept of Mines will do an air-borne geophysical survey in the Yukon this season. Original plan was to fly the Whitehorse Copper Belt but Ralph Skinner, resident geologist, states decision as to area for initial test not determined. Pacific Petroleum have announced plans to extend the Big Inch gas-trunk pipe line from Taylor B.C. to Fort Nelson to tap the Prophet River- Kosko Lake gas field. A scrubbing plant and pumping station will be constructed at Fort Nelson and one addition pumping station between Fort Nelson and Taylor. Construction of the plant installations at Fort Nelson has been started.

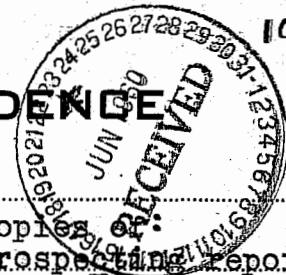
Canadian Army are blacktopping 19 miles of the Alaska Highway north of Fort St John.

Alaska - Yukon Petroleum have announced they will not reopen the the Haines Jct. Plant this season.

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# INTER-OFFICE CORRESPONDENCE



A	T	N
		W.S.R.
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		R.D.S.
		B.C.B.
		E.L.D.
		J.I.B.
		E.C.J.

FROM .....

DATE .....

TO File .....

Copies  
SUBJECT Prospecting reports-  
1953- Whse Files P.A.

### MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

#### June 25/53: Mush Creek trip:

The area examined lies approx. 8 miles south east of Mush Lake at the headwaters of Mush Creek. One showing (the purpose of the trip) is indicated on Dr Lindle's map as a Cu deposit.

#### Geology

The rocks in the area is andesite interbedded with Tuffs. The andesite grades from fine grained to coarse and amygdaloidal and porphyritic in places. At a higher horizon the granodiorites, which intrude the andesites and forms the core of the mountains, outcrops. It is light grey and medium-grained, and has weathered in places to a rusty kaolinite.

The indicated showing was a rust zone that appeared due to a metamorphic aureole of a quartz dike approx. 10-15' wide. The strike of the dike was NW-SE and had a dip of 55 degs. The entire area was severely faulted and sheared.

#### Mineralization:

Along the contact of the dike and the andesites was finely disseminated chalcopyrite and arsenopyrite. In small fractures in the andesite there was veinlets of pyrite. In scattered places there occurred disseminated pyrrhotite. On a slightly lower horizon there was a fan shaped shear zone in what appeared to be tuff. It was completely weathered to malachite. But there was no visible bornite, ~~malachite~~ chalcopyrite, or chalcocite or any other primary mineral. This shear zone was at the lower N.E. end of the showings where both the dike and the andesite became covered in overburden. None of the rock samples reacted to the dimethyl test. But were submitted for assay.

The area had been satked in Dec 13/1948 and recorded. But no work done.

Posts located indicated 8 claims only.

Claim series was 57479

480

481

482

etc. (Signed) G.D. Wilson

#### Dezadeash Lake Report

July 5th, 1953

The area examined was that included in the 16 claims of the Kain Gp. and the area immediately to the east that lies on a slightly higher horizon. This location is directly across Dezadeash lake from Beloud Post and is five miles from the lake.

#### Geology

The entire mountain is predominantly Precambrian mica-garnet schist

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# INTER-OFFICE CORRESPONDENCE

FROM .....

DATE .....

TO .....

SUBJECT .....



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

PP-2

## MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

of the Yukon Group. The schist dips to the SE 45 degs to 55 degs. the strike is NE-SW. In places the schist appears to be injected lit-par-lit with a gabbro. (this could be originated from the granite mass of Mesozoic intrusives that lies to the NE). Two dikes were observed: one was a gabbro and was 4 to 7 ft wide. The other was a ~~dark~~ diorite dike of considerable width ( 10 - 15 ft) There was slight disseminated chalcopyrite and bornite at the small gabbroitic dike where J.Kain blasted. Most of the schist reacted quickly to the Dimethyl test. However no nickel mineralization was visible. An assay result indicated a trace of nickel (0.08%) (somelet was done there) The sixteen claims staked by J. Kain and M. Kain were not recorded.

(signed) Gerald Wilson  
 \_\_\_\_\_  
 Morley Romauck

July 6th, 1953  
 Hello Ted:

Everybody got away alright July 3rd- all except Wilson, Romauck and the wrangler. We couldn't get thru by way of Kathleen Lake Creek and via the lake so we decided to take the horses up the Dalton Trail. But the horses are lost.... Spent three days searching for them - gave up the idea of finding finally, and rented one of Beloud's nags instead. Leaving today. I'm remaining behind for a few more days as I'm still woozy. (unprintable) I can't figure out whats the Hell's the matter with me. Johnny Graham and Jerry are going on alone and I'll meet them at Mush Lake in several days,

That's it: write soon,  
 (signed) Morley  
 \_\_\_\_\_

E.O.C.

Mush Lake, July 21st/53

Dear Ted:

Received your note and will try and enlighten you on our activities. Firstly, our location for the past few weeks. Jim Van Koughnett and I have been camped at the south end of Bates Lake Wise and Carpenter on the north end of Mush Lake. Jim Van K. and I have concentrated on our attention to the east of the south end of Bates, then on the west.

(on the volcanics)

The peridotites reported by Kindle on the west side of Bates River is exposed in only a few places and is nowhere the width indicated by him. The whole area surrounding the peridotite is covered in brush (and I mean brush). However the core the core and contacts of the peridotite show no mineralization what so ever. On the north contact of the peridotite there is a chlorite schist zone, then volcanics, then a reasonable thickness of crystalline limestone. followed by volcanics. This , the west side of Bates, is barren and uninteresting.

understatement of the week!  
?? NOT ON MAP 1019A

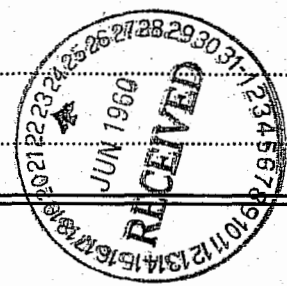
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INTER-OFFICE CORRESPONDENCE

FROM.....  
TO.....

DATE.....  
SUBJECT.....



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

PP-3

(Bates?)

MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

However, on the west side of Bates, there is much more indication of mineralization. Pyrite is abundant, with the odd inclusion of chalcopyrite in the volcanics and sediments. But unfortunately, nothing of size or width. The only pyrrhotite found was in float on Wolverine creek and it was only small pods in a black shale.

We also work some of the <sup>Iron</sup> iron creek area and it is well mineralized with pyrite and, again, only a little chalcopyrite. The rocks here are also volcanics, and from some small bunches of peridotite float on iron creek glacier, I assume them to be small peridotite intrusions farther up the slopes covered in snow. Lack of grub and snow on the slopes prevented any further work. As for the area south of iron creek and west of Bates River, was inaccessible due to the fact that Iron Creek and Bates can't be forded.

As for Jim Wise and Les Crapenter, I wasn't able to dig much information out of them. Apparently they have been working adjacent to Mush Lake north and south. Les twisted his ankle and could not travel in the hills for a while, so they prospected the shores of the lake. However I'll send them back in as far as they can go and investigate the more inaccessible spots. Wise will give you a report. I have only seen them once and that was today. backpacking. Unless we find something interesting or better indications I would suggest you pull us out and find another area so if you decide to pull us out send in word and hold the grub at 1016. I'll have the grub sent in on the 7th of August so you can act accordingly, send us word in before that or the grub. Bates Lake is a nice spot and the fishing is good so I dont mind. Ha. But I do think three weeks will be ample in there. I hope t this will do for now. I'll make out more detailed report later. I'm sending you the one for Congdon Creek and Lake, but you'll have it

Regards, (signed) Pete Gordy.

P.S. I rec'd the new maps. Thanks

Ted: \_\_\_\_\_ July 24th/53  
Nothing at Sock-eye. Spent 11 days looking around- someone else was in before us- no staking done. Taking off for the end of Bates tomorrow if weather is favorable. Was in Whitehorse with Beloud today to buy couple pair underwear. It's getting cold in the hills, that's all  
Love, Morley *oh yes!*

Report of area covered by Les Crapenter and Jim Wise: Aug 1st/53  
The area covered consists of the mountains surrounding Mush Lake

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*Copy in Macrae's Correspondence*

105

# INTER-OFFICE CORRESPONDENCE

A	N
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
W.S.R.	
R.J.B.	
E.O.C.	
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E.C.B.	
E.P.H.	
E.L.D.	
J.K.	
E.C.J.	

FROM: Rod Macrae



DATE: Aug 25th, 1958

TO: E.O. Chisholm, Chief Geologist

SUBJECT: Report weekending Aug 23 (two-week period)

MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

### Prospecting:

Graham has been prospecting the North Fork of The Fifteen Mile Rivers as far as the head of Sheep Creek on the Ogilvie River side of the divide. He reports: Numerous incidences of Chalcopyrite in place in sediments and slates and lesser numbers of occurrences of chalcopyrite in greenstones. One outcrop of a narrow vein of galena. In no case did he encounter showings that are large enough or rich enough to warrant staking and further work. However, John Graham, who is an experienced prospector, is considerably puzzled by the plentitude of showings that are small and narrow. The area he is working is 50 airmiles ff from Dawson, and forty road miles from the end of the nearest road at the powerhouse on the Klondike (~~North Fork~~) Chandindu (12 Mile River)

He has found a hematite showing, in jasper, narrow bands less than two ft width of pure hematite, at 64-44: 139-12 associated with red bedded slates which we classify as non-interesting and a showing of chalcopyrite in red-stained quartzites at 64-44: 139-18 which Graham estimates will run less than one percent Cu. In contrast to other showings in the area, this is not a quartz vein-type deposit (c.f the Rivers showing), however, until chip samples are assayed and some idea of the width is known no estimate of the value of this can be made.

The galena showing and a sphalerite showing, not considered important are on the divide between 15 Mile R, West fork, and Sheep Cr. head on the Fifteen Mile side.

Leblois has been prospecting the head of Clearwater Ck, a south tributary of the North Fork of The MacMillan Within the broad-100 - 500 ft slate bands, he has found narrow less than three ft bands of slates, quartzites, that carry minor bornite and associated, some chalcopyrite. The find is estimated not important. South of the copper mineralization LeBlois has found a showing of sphalerite, over narrow widths.

Willison has prospected the area n.w of Seaplane Lake, south-east of Flat River, for a distance of twenty- five miles. The country rock is granites with limestone bands in contact between the slates and the granite. The only mineral discovered was pyrrhotite which wa barren of any mineral in economic amounts.

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# INTER-OFFICE CORRESPONDENCE

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	R.D.S.	
	E.C.B.	
	G.P.R.	
	E.L.D.	
	J.I.K.	
	E.C.J.	

FROM.....

DATE.....

TO.....

SUBJECT.....



(TO BE COMPLETED IN TRIPLICATE)

### Quill Ck Claims

The assessment work on these claims is in the final stages. A series of five 50-60 ft holes cross-sectioning the line of E.M conductors will be completed within the month, assuming, the machine operates efficiently.

### Charlie Rivers 32 claim group

Attached is a PIF on this claim group. The showing is not of economic in this area.

(TO BE COMPLETED IN TRIPLICATE)

5007A

TO.....

DATE.....

TO.....

DATE.....

## INSTRUCTIONS FOR USE OF THIS FORM

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August 13th, 1958.

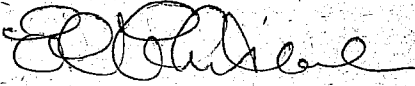
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	R.J.B.	
✓	E.O.C.	
✓	H.A.P.	
	R.D.S.	
	B.C.B.	
	G.P.R.	
	ELD.	
	J.K.	
✓	(E.C.)	

MEMORANDUM:

RE: Yukon Prospecting

In conversation with Ivor Mast at Whitehorse yesterday, I was advised that the LeBlois prospecting team had staked 8 claims in the vicinity of Husky Dog Creek 133°-10', 63°-05'. R. Macrae is on his way in to examine the find. Mast had no further details.

I discussed with Mast the possibility of moving the Williston team to the Toad River area. Mast stated Macrae had scouted that suggestion, but decided not to when advised by other engineers, who had seen the showing, that it was a localized occurrence. I plan to discuss the matter further with Macrae on my forthcoming visit to the Yukon.



E. O. Chisholm.

EOC/sb

105

PROSPECTORS AIRWAYS COMPANY, LIMITED

SUITE 1616  
44 KING STREET WEST  
TORONTO  
EMPIRE 6-7951



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

To E. O. Chisholm  
From: Rod Macrae  
Report, week ending April 13th.

Vancouver, B.C.  
April 17th, 1958

Prospectors- Yukon:

Were from Kenny Willison saying he is available for work this summer. Ivor advises McKillop who worked last year for North-western Explorations is interested in a job in the Yukon. Nothing from Ivor re Stan Rivers who knows the area north of Dawson.

GSC field parties:

I understand from Jack Armstrong, resident geologist, here that in addition to the Pelly River field work, it is planned to place a field survey party north of Dawson to map in the vicinity of the Hart and the Wind River. The work is not confirmed, in fact, Armstrong says that none of the field projects are confirmed yet.

Yukon prospects:

Ivor secured the information of the deal involving the Cream group of three claims on Galena Hill, owned by Phillipovitch. Wylie has the handling; he says the surviving leasor (the other two were killed) wants total of \$40,000.00. On top of that Phillipovitch gets 25% of net smelter returns. Both of the prices are too high in view of the results of the leasors work during then past three seasons and the potential of the claims.

On Conwest's Squanga Lake claims, five locations have been uncovered, all showing short fibre. On Conwest's Hayes Peak option, nothing new has been found, but Ivor reports that some nice fibre has been located on a group of claims staked on the east side of Hayes Peak on ground staked by the crew from Brooks Brooks repeater station. Wrote him to arrange an examination as soon as the snow is off the ground, if the ground is available for option.

General: Craigmont have 4 drills on the property. The opinion of the owners of the claims is that the grade will be around 2% Cu inspite of the fact that one hole ran better than four percent for more than 500 ft. Tor-west, who own 8 claims immediately south of the Craigmont ground, and within the block optioned by Noranda, are outlining a deal that will be ready for you to review when you arrive here. This is the outfit that bought Aho's 44 claim block on the north side of Highland Valley.

Will be looking for you tomorrow night,

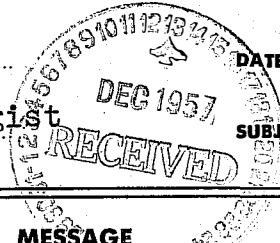
Regards,

*Rod*  
Roderick Macrae

105 105 1

# INTER-OFFICE CORRESPONDENCE

FROM Rod Macrae DATE Dec 11th, 1957  
 TO Ted Chisholm, Chief Geologist SUBJECT Report week ending Dec 7th



MESSAGE  
(TO BE COMPLETED IN TRIPLICATE)

**General:**

Yukon: Wylie, in Whitehorse advised the Cream, Jean, Wine, group are available for sale. Wrote Ivor to secure more information: no reply to date. Callison will have available two G-2 Bell copters Jan 1st at ~~Mayo~~ Dawson. He wrote asking if we would have business for them. I figure he must have the Peel Plateau contract for 58 that PWA had last year and this year. Phil Holsworth, Commissioner, Alaska Dept of Mines, estimates there is a similarity between the sedimentary formations in the Peel area and the Geology of the area north of the Brooks Range in Alaska.

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

Alaska: the following from a report received at the recent Northwestern Mining Convention at Spokane:

- 1) Alaska has established a 3 1/2 year tax exemption period for mines similiar to The Canadian federal exemption.
- 2) They will be establishing a system of claim maps similiar to the B.C. system of area maps in Alaska.
- 3) The Territorial Dept of Mines in Juneau has arranged a card-index system of all known mineral occurrences in the territory. The index is located at Juneau and is available for examination.

The general opinion of the Americans at the convention is that some form of tariff against imported lead & zinc will be inaugurated by US Congress.

B.C. The committee working with the Dept of Mines on the new B.C. Mining act feel that the twenty-one year lease on mineral claims, either with or without, automatic renewal of lease for a further 21 years will be come law and the 5 year retention lease that everyone finds objectionable will be abolished.

Craigmont have started drilling No. 8 hole alongside the best hole which had some 520 feet of better than 2% copper mineralization. This hole is dipped in the opposite direction and should check the possibility No 7 ran down dip

Grew Ck: Ivor shipped down the samples recovered that Willison brought in from his prospecting trip up Grew Ck. You will recall that was the area the lead-zinc mineralization was reported from. The rock appears to be an ultrabasic-some pyrrhotite and some evidence of nickel with the powder test. Will have Thompson examine them.

INSTRUCTIONS FOR USE OF THIS FORM

Regards, Rod Macrae

*In R.M. File.*

# INTER-OFFICE CORRESPONDENCE

FROM..... Rod Macrae .....

DATE..... Nov 28th, 1957 .....

TO..... B. O' Chisholm, Chief Geologist .....

SUBJECT..... Personnel-Yukon .....

### MESSAGE

(TO BE COMPLETED IN TRIPPLICATE)

Personal

Dear Ted:

It certainly was a pleasure to get an outline of the proposed programme for the Yukon and B.C. for 1958. Both Ivor at Whitehorse and myself here were beginning to feel bereft. I'll get on with a detailed research of the prospecting part of the Yukon programme to have it ready by the end of January, if that date will be satisfactory.

Regarding Ivor: As an expiditer, he is as you know, a first class and experienced man and he must obviously, be satisfactory to the accounting dept, in that part of his work. I am of the opinion, also, that, he will be most useful in pering the costs to the bone, which will have to be done to stay within the budget outlined and get the work done.

Supervising the prospecting teams, he will require direct supervision, himself, which can be arranged, and since we work well together, that part of his duties can be worked out.

(TO BE COMPLETED IN TRIPPLICATE)

Will you give me a comment on the following idea: the plan is to make limited use of the magnetometer and H.M. as a prospect-testing tool. Would it be feasible, and do you think it practical to have Ivor trained this winter as an operator

INTER-OFFICE CORRESPONDENCE

# INTER-OFFICE CORRESPONDENCE

FROM .....

DATE .....

TO .....

SUBJECT .....

...2...

### MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

on both instruments, or at least on the E.M. As you know Iver is a good bushman, he is an amateur radio-mechanic, and I am sure his work would be reliable. On-the-job training would be the most satisfactory and so far as the mapping of the work is concerned, I could do that, or, alternately, we could pass the notes to Walter in the Toronto office, since you will want to see the results as soon as they are available.

Regards,

*Roderick Macrae*  
Roderick Macrae

(TO BE COMPLETED IN TRIPLICATE)

105A

TO .....

DATE .....

FROM .....

SUBJECT .....

# INTER-OFFICE CORRESPONDENCE

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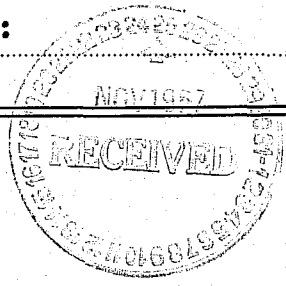
# INTER-OFFICE CORRESPONDENCE

FROM Rod Macrae

DATE Nov 22nd, 1957

TO E. O. Chisholm; Chief Geologist

SUBJECT General:



### MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

Dear Ted:

Attached are two summaries on proposals for prospecting and searching for mineral in the Yukon.

The ground search portion of the combined prospecting/surveying proposal is probably estimated too low; the amount required would depend on the degree of accuracy of the information provided by the air-borne instruments and the rating of the importance of anomalies outlined from the air.

I checked the possibility of a gravity survey from air: It would have to be the Canso.

The failure of ASARGO to take up the Craigmont option was due to the insistence of McDairmid and associates that the installation of a pig iron and steel industry using the Craigmont mixed magnetite and hematite should be written into the agreement. Canadian Exploration are getting set to continue drilling within the next two weeks although, Mitchell, their chief field man says the programme has to be approved by Craigmont, who have operating control.

Trojan Consolidated is getting some interesting results underground in the breccia zone they are investigating. I've seen two consulting reports on this property and understand the company is running short of funds, Newmont considered a deal and backed off when Trojan demanded the long end of a sixty-forty split of eventual profits. The showing now being worked is the original property that Chimo financed.

I talked over the Chataway 109 claim development with Boyle and Wright last night. It appears they want too high a down payment, something of the order of 15,000.00. The results to date have not been conclusive; surface drilling has been not too successful due to lack of experience. I located a driller experienced in that area who may be able to get the core barrel down thru the blocky ground for them. Wright has found a surface showing, narrow but rich in chalcocite and possibly bornite, mixed, in the granite. I'll look at that one too,

Regards,

*Roderick Macrae*  
Roderick Macrae

A		N
<input checked="" type="checkbox"/>	W.S.R.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	R.J.B.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	E.O.C.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	H.A.P.	<input type="checkbox"/>
<input type="checkbox"/>	R.D.S.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B.C.E.	<input type="checkbox"/>
<input type="checkbox"/>	G.P.R.	<input type="checkbox"/>
<input type="checkbox"/>	E.L.D.	<input type="checkbox"/>
<input type="checkbox"/>	I.R.K.	<input type="checkbox"/>
<input type="checkbox"/>	E.C.J.	<input type="checkbox"/>

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# INTER-OFFICE CORRESPONDENCE

FROM Rod Macrae

DATE Nov 21st, 1957

TO E.O. Chösholm, Chief Geologist

SUBJECT Ground Prospecting-  
Pelly Valley area.

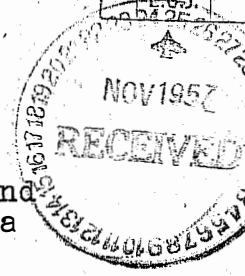
A	W.S.R.	N
✓	R.J.B.	
✓	E.O.C.	✓
✓	H.A.P.	
	R.D.S.	
	E.C.B.	
	G.P.R.	
	E.L.D.	
	J.I.K.	
	E.G.J.	

## MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

Dear Ted:

Here are some ideas I have on the methods of general prospecting that should be employed in the Pelly River area. The suggestions are based on a study of the methods used in the past by Prospectors Airways and the results attained and the change in the situation regarding a knowledge of the area that has been secured, geologically, as a result of the past work.



### Review of past work results:

It is understood that Vangorda was initiated by the finding of one large outcrop or gossan, containing visible base metal sulphides in Vangorda creek. Notably these were lead-zinc, the primary minerals in the main ore zone. The longitudinal section indicates that in at least one other point along the long axis, the sulphides occur within test pit depth of surface even tho they do not outcrop.

Prospecting since the Vangorda find has taken the form of a reconnaissance search for mineral in the manner of 'sweeps' using the Pelly as an axis and extending for ten to twenty miles inland. The primary object has been the search for outcrops of base metals and/or residual gossans of iron connected with possible deposits.

In 1957 substantially the same system was used, except that boats and dogs, rather than a pack-train of horses was used with the result that:

Between the MacMillan and the Ketz River area, a general idea of the geology of the area has been secured, a number of pyrrhotite zones in the Pelly Mtns have been checked for nickel and copper, the Little Salmon property was discovered, some low-grade copper was seen in the vicinity of Earn Lake, The Gal Gossan was discovered and the Jake rusty conglomerate was located.

Except on the Jake and the Gal, little preliminary prospecting was done at the time discoveries were made, and certainly in the case of the Gal, a most misleading picture was presented, (reviewing this, of course, from a hindsight position.)

In spite of the lack of results, I'm of the opinion there is within that area, a large base metal zone similar to Vangorda, that hasn't been located, yet. I think you will agree with this opinion.

### Future ground prospecting.

a) In areas where nothing is known of the geology or structure,

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# INTER-OFFICE CORRESPONDENCE

FROM.....

DATE.....

TO.....

SUBJECT.....

..2..

## MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

airphoto study where suitable photographs can be secured should be done prior to placing the prospecting team on the ground. This attack is cheap and with the trained operator, can be considered reliable.

b) reconnaissance prospecting to locate the geological boundaries, to find the easily found gossan, to check the streams for base metal content should be done by geologists, not by prospectors. The metamorphic rocks and the importance of porphyries, are passed over or disregarded by the prospector; they are usually important.

c) In areas such as the area under study, where a reasonable knowledge of the geology and structure has been secured, the prospecting should be confined to detailed prospecting by a two or possibly three man team. Their maintenance should not require their own efforts; packers should be employed. The detailed examination with pick and shovel should be the prospectors prime duty. Stream bed examination, particularly, where the erosion of the water has cut deeply into the bed-rock has always been of prime interest to our prospectors and will continue to be the source of mineral finds.

d) The rate of travel of the prospecting team and the area covered during the season should be reduced. This will necessitate detailed planning and outlining the areas prior to the commencement of the season.

e) The basic prospecting team should be set at one experienced prospector and a helper, preferably, one who knows the country. Dogs and dog packs have proven satisfactory; the cost of fielding a team is considerably reduced and simplified.

*SO EQUIPPED*

In summary, I am of the opinion that, in the Pelly River area, we have sufficient knowledge, as a result of reconnaissance prospecting, of the general area, between Ross River and the Ketzka River, and the MacMillan junction and the general geology of that area. There are patches and holes not traversed but they are small in area. Further reconnaissance prospecting is not justified.

(TO BE COMPLETED IN DUPLICATE)

Further, I am of the opinion that, detailed prospecting of the surface adjacent to the granite masses has a reasonable chance of locating showings of base metals that may have been passed over in previous work. A study of the airphotos of the area and an effective air-reconnaissance of areas selected, prior to placing the team on the ground would be a definite aid,

*Roderick Macrae*  
Roderick Macrae

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# INTER-OFFICE CORRESPONDENCE

FROM Rod Macrae

DATE Nov 21st, 1957

TO E.O. Chisholm, Chief Geologist

SUBJECT Exploration, Yukon-58  
File: Est-58

## MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

### Second Alternate proposal-Vangorda area prospecting/surveying-1958

(This is a revision of the original estimate dated Oct 20th, and a more detailed estimate of the procedure and cost breakdown)

Location: That area around Mye Mtn, an L-shaped figure, between Rose Mtn and Swim Lakes; between the head of Magundy River and the head of Tay River.

Area: The area is approx 320 square miles.

Base information: The general structural and geologic trends are known in the area in question; the basic geophysical data, the minerology, and the rock types in the immediate Vangorda Mines area are known in detail; and some information is available on the structure around this deposit.

Method: An airborne magnetometer, followed by an airborne E.M., followed by a ground E.M. over selected areas is proposed. Both air-surveys would use helicopter vehicles; flight lines would be spaced initially at 1/4 mile, reduced to 1/8 mile in the case of E.M. work where warranted. Direction of flight lines would be north-east: length of flight lines would be from 10 to 25 miles. Magnetometer survey would be flown at 500 feet from ground, E. M. survey at 100 feet from ground. Ground E.M. work would be initially at 400 ft spacing and the tested Ronka Loop would be satisfactory for this job.

Timing: The base of operations would be Vangorda Camp. The airborne surveys should be commenced as soon after March 1st as practical so that preliminary maps will be available by May 15th. It is estimated the air-survey will require 20 days or 100 hrs of actual flying to complete both surveys.

Security of title to ground in area: It is not estimated that wild-cat staking will be an interference, provided, the planning and organization is not advertized: however, the possibility of securing a three yr reservation should be investigated at Ottawa, and applied for, based on the plan, if reasonable assurance of securing it can be obtained. **IN ANY EVENT,** However, the surveys could be done during the breakup period, March to June, Vangorda airstrip could be made U/S for fixed wing landings and staking crews would be organized at proper time.

## INTER-OFFICE CORRESPONDENCE

# INTER-OFFICE CORRESPONDENCE

FROM .....

DATE .....

TO .....

SUBJECT Exp. Yukon - 58

**MESSAGE**

(TO BE COMPLETED IN TRIPLICATE)

..2..

Cost Estimate:

At planned spacing, there is 1200 line miles of magnetometer surveying; 1400 miles of E.M. surveying.

Magnetometer survey:	at \$10.00 per line mile/:	\$ 12,000.00
Helio-copter vehicle:	" 5.00 " " "	6,000.00
E.M. survey	" 10.00 " " "	14,000.00
Helio-copter vehicle	" 5.00 " " "	7,000.00

Interpretation of surveys (estimated \$ 5,000.00) 5,000.00  
 \$ 44,000.00 25,000  
80%

Note: The helicopter estimate-charges worked out on the basis of 100 hrs actual job-flying and 30 hrs of ferrying would total \$ 11,900; the ferrying of gas and personnel would cost the difference.

Ground E. M:

Your advisory notes-letter Oct 17th-indicate the ground follow up would be 3 to 4 times the actual flying in a general exploratory air-survey. However, since so much basic factual information of a known base-metal occurrence is available to assist in the interpretation of these surveys, the estimate is that 10% of the area would be ground checked; initially 400 line miles.

Line cutting	at \$ 20.00 per line mile	8,000.00
E.M. survey	" 20.00 " " "	8,000.00

Drilling- packsack:  
 2,000 feet at \$ 7.50 per ft 15,000.00

Claim staking:

Estimate 100 claims at \$ 30.00 per claim	3,000.00
	<u>\$ 34,000.00</u>
Estimated Total	\$ 78,000.00

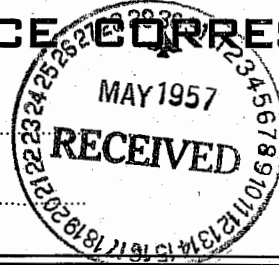
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# INTER-OFFICE CORRESPONDENCE

FROM..... Rod Macrae



DATE..... May 28th, 1957

TO..... Ted Chisholm

SUBJECT..... Activities Yukon

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

## MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

### GSC parties:

Jan Mueller is in Whse enroute to Teepee Lake where he will be mapping this season. He says Green is the only other field party that will be Yukon this year and he will be working in the Mayo area. starting after June 15th.

### Canalask.

Smokey Christenson is in town. Says everything is going fine at Canalask: that they are in ore, and may start a second heading. Ed Ostrum, the inspector here, visited the property last week and went underground. He says the face is in pyrrhotite thinks that they have a mine there. I saw a sample of the rock from the face of last weekend. The pyrrhotite is on fracture faces and not generally disseminated ofr filling fractures thru the rock. If the nickel is associated with the pyrrhotite and this is a representative sample, there is damn all nickel visible

### Tootsie Lake, B.C.

Conwest are in something over 600 feet and in spite of rumors to the contrary have traced a shear zone or vein that is mineralized over one to two feet. Apparently not attractive. Report is they are starting a second drift at a lower elevation.

### Keno:

John Deleen AMCO and Charlie Brown, Highland Bell visited Keno Hill some two weeks ago. They spent a day underground. Charlie had worked as geologist(junior) there some three yrs ago. They both came away with the impres ion that Keno has pretty well mined out all the known ore in the main operation. ?

### Pielsticker Asbestos.

Report today from Herman Peterson that Dease Lake is open to floats. Would perfer to go inover the road if it is open but a will get in on this examination just as soonas I get the prospectors out and established.

(TO BE COMPLETED IN TRIPLICATE)

Regards,

Red Macrae

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## STAKING ACTIVITIES IN THE YUKON AND NORTHERN B. C.

SEPTEMBER 1956

Canadian Explorers

The area of most activity, the Teedideeach Lake nickel find, has already been commented on in a previous report.

Hudson Bay

In the same general region, Hudson Bay Mining and Smelting have made a new nickel find in the Tetsaminie Lake area (Tesequah sheet 104K). The find reportedly gives low nickel assays from a gabbro body. Numont is believed to have staked in the same structure and Gordon Dixon of Whitehorse was endeavouring to obtain some ground there.

K. Springer

A representative of Springer Exploration staked 12 claims on a copper find at Victoria Lake B. C. (Tesequah sheet 104K). Nothing is known of this find.

Nakinake Sloco Lake Area

Cecil McLellan of North Western Power Development (Frobishers) is said to have staked some ground in the Nakinake valley. He is reported to have come across a large magnetite copper body while travelling by helicopter (Emil Turnquist may have something to do with it as well).

No ground was recorded in Atlin but could have been recorded in Victoria B. C. via Telegraph Creek.

Numont

Numont prospectors staked 22 claims on a copper showing in the St. Cyr Mountain Range east of McNeil Lake, Yukon. Don Cannon is not particularly impressed by it, the showing is described as giving low copper assays from shear zones in a granite body.

North Western Exploration (Dick Campbell)

Prospectors staked 20 claims in the Sheldon Lake area. Said to be unimpressive.

Indian Mountain

Motel owner from Teslin staked 40 claims at Indian Mountain, copper nickel find, Miller of Conwest saw it, no further action was taken as far as is known.

Worm Lake Area (Ogilvie Mountain Range)

McKamie and partner staked 4 claims on a copper float find east of Worm Lake.

B.R. Thompson

Bruce Thompson