

File 93.

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Various Reports - PA up

822342

to 1958

1958

PART I -

SUMMARY:

One two-man team prospected in the vicinity of the Toad River, a tributary of the Liard River, for a five-week period in September and October. A horse-pack train moved the team in and out of the area, and made supply trips at intervals.

TOAD RIVER:

A route map is enclosed. The area at the head of the Little Toad River, west and north of the Fort Reliance Minerals Ltd. prospect was examined and Ram and Wolf Creeks, tributary to the Toad, between the Fort Reliance and Magnum Copper properties were prospected. Work in this area, during the last two weeks of the season was hampered by snow and efforts to trace down float samples of chalcopryite, found in the Ram Creek watershed were not successful. Creeks tributary to the Toad on its west side between Little Toad, and the Sand River - Fort Reliance showings were prospected briefly while moving through the area.

No mineral of economic importance was seen in the watershed of the Little Toad River or in the upland area west of Fort Reliance. The prospectors examined a chalcopryite showing north of the Little Toad, staked by A. Money, owner of the roadhouse at Mile 442, Alaska Highway, and reported it is not of interest.

RECOMMENDATIONS:

Prospecting by this team was more detailed and thorough in the West Toad area, than in the work in Ram and Wolf Creeks. Detailed prospecting, from Mt. Churchill, north to the Alaska Highway, on the east side of the main Toad River

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ANNUAL REPORT OF PROSPECTORS AIRWAYS

822342

BRITISH COLUMBIA

DURING 1958

PART I - PROSPECTING:

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is recommended, since preliminary work indicates this area may be underlain by quartzites of pre-Palaeozoic age. More prospecting to find the source of the float found in Ram Creek watershed should be done. The samples of float from the area contained chalcopyrite and minor bornite in quartzite; and one specimen seen by the writer showed chalcopyrite mineralization in quartzite. To date, all other known finds consist of copper minerals, in and associated with basic dykes in argillites, commonly five to ten feet in width. Indications are these vein type deposits will be uneconomic in this area in spite of concentrations of five percent copper. Any further work in the area should be directed to a detailed search of the areas of older quartzites or those areas where basic dykes, outcropping argillites and slates, cross the contact with these quartzites of similar age.

Map enclosed with this Report:

Tuchodi Map Sheet - 4-mile scale

March 22, 1959


Roderick Macrae

B.C.

PART II - PROPERTY EXAMINATIONS:

SUMMARY:

Three claim groups and one mineral occurrence in Northern British Columbia were examined and assessed during the season. The six-claim barite prospect at Mile 397, Alaska Highway, was sampled and an offer made to purchase the claims under an option agreement. Fort Reliance Minerals Ltd. 24 claim group on the Toad River, eighteen miles south of Mile 442 on the Alaska Highway, was examined and sampled after the surface trenching had been completed and prior to the underground drilling programme. The Sand River showing, on claims adjoining the Fort Reliance showing, was examined at the end of the season. A copper in magnetite exposure on the Smith River, Mile 512, on the Alaska Highway was examined after an assay of 1.5 copper was secured on a grab sample submitted by the owner.

Brief descriptions of the properties are as follows:

Barite Prospect Mile 397, Alaska Highway.

There are two large exposures of barite and minor fluorite in one creek basin separated by 1000 ft. of flat-lying bedded Silurian Limestone. The main exposures are in a cross fracture system, exposing a width of 100 ft. of barite. Samples chipped across the face of one exposure average 90% plus barite and 5% fluorite. Specific gravity tests show this is a suitable material for oil-drilling mud, and with some cleaning, could be graded as metallurgical barite. Ownership of the mineral showing was found, on search of title, to be held by Arthur Johnson of Taylor, B.C. At the end of the year, an offer to purchase by option had been made to Johnson who refused to sell on the terms outlined. A study of the market indicates there is no market at present for this deposit and reasonable possibility of a future market developing in the area within the next ten years.

Fort Reliance Minerals Ltd.

This is a chalcopyrite vein-type exposure, found by Hans Kvikstad, and a group of Indians in 1957, and optioned to Fort Reliance Minerals Ltd. the end of that year. The property consists of 32 adjoining claims and fractional claims covering one long basic dyke, which intersects argillites, estimated to be Cambrian in age. The western side of the north-south claim block is overlain with Silurian-Devonian sediments. The one basic dyke contains chalcopyrite mineralization, associated with hematite and extensive secondary copper minerals. Over a length of 400 feet on surface, the width is seven feet. There is a possible length of 3500 ft. and the grade, which is difficult to estimate because of the extensive secondary copper minerals, is probably 4% to 5% Cu. There are no values in precious minerals. 2500 ft. of short drill-holes were completed by the end of the work-season. Core recovery was poor but the mineralized structure was identified at depths of 100 ft below the outcrops. Underground testing is being considered for the 1959 season.

Sand River Group:

This is a sixteen claim group staked north of and adjoining the Fort Reliance Minerals Ltd. prospect. There are two exposures of copper mineralization, similar in size and copper content to the main section of Fort Reliance. The exposure on the boundary between the two claim-groups is in a steep-walled creek canyon, approximately 2000 feet north of the main Fort Reliance showing and is estimated to be an extension of this showing. Prospecting in the creek canyon failed to locate any parallel dykes containing copper minerals.

Smith River Copper-Magnetite Prospect:

This is an exposure of magnetite in heavily drift-covered country on the east side of the river, approximately two miles north of the Smith River Bridge at Mile 512, on the Alaska Highway. No structure was identified other than

that the magnetite is imbedded in sediments that are flat-lying. The copper occurs as irregular fillings in fractures in the magnetite. The copper content is estimated to be less than one percent and the iron content is approximately 20% to 30%. No claims were staked on this prospect; the occurrence is not worth further consideration.

CONCLUSIONS:

The barite deposit is worth an option if reasonable terms permitting the optionee to hold it until a market in the oil and gas development field in the area develops.

The development of the Fort Reliance deposit should be examined since it is in an area where some fifteen exposures of copper mineralization are known. If the underground programme, as planned, is completed it will test the continuity of width and mineral content of a copper deposit in the soft argillites which form one of the three rock types of Cambrian age in the area. The location of these mineral prospects is shown on the enclosed Tuchodi Lake topographic map.

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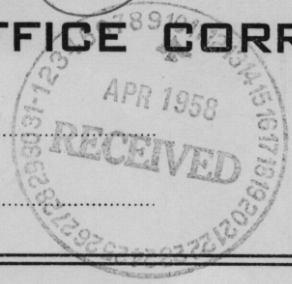
INTER-OFFICE CORRESPONDENCE

FROM Rod Macrae

DATE April 8th, 1958

TO E. O. Chisholm

SUBJECT Report-weekending Apr 5th



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✓	✓
✓	
	✓

MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

S.L. Packard prospecting syndicate.

This man who is an experienced prospector has formed a prospecting syndicate to search for copper and other minerals in the area between Copper Myn, the Princeton M.D. and Merritt. Units of the syndicate are available for one hundred dollars; there are fifty of them, covered by a written agreement. Packard reserves ten percent of the share interest to himself and will draw in addition \$ 2400 as salary for the season.

This is the second syndicate he has organized. Packard is young, has about ten years prospecting experience, owns \$5000 worth of equipment and is a hard worker. He something of a crackpot and 1800 dollars was raised for his last syndicate. Moneta Porcupine bought part of the last syndicate and Heustis took a part of it. I'll get their opinions on the results of his last effort and send forward an opinion.

W.R. Tait placer proposition.

Mrs W. R. Tait, who has extensive holdings of placer leases in the Omineca area has described two placer lease holdings which are available for option. Both propositions require research; neither can be described as proven ground but interesting assays in both placer gold and platinum have been secured. Donald Fraser describes the Tait holdings as interesting. The areas are the little Wolverine Pass between Ermansen R. and Manson R.; and the Rainbow Ck, tributary to the Station River; both in the Omineca M.D.

DUTCH GUIANA GOLD PROPERTY. ALADIN HOLDING.

Aladin Holding:

John Schutz, 516 Vancouver Block, has offered for option a gold property in Dutch Guiana. The property amounts to a concession on a large low-grade quartz-stockworks, with an estimated 10-15 million tons of heavily altered quartz-sericite stock works. Owners claim the ground can be open-pitted. Surface sampling indicates a grade of \$1.60 per ton. Transportation access via rail is installed to the coast. Joubin reported on the property for Pioneer in 1940s; Placer development examined the property in 1957. New Conex reviewed the information available and limited metallurgical tests with satisfactory results regarding costs has been completed. More on this later, can be made available if you consider any further consideration should be given it. Please advise,

THIS

No interest
 WSL

John Schutz

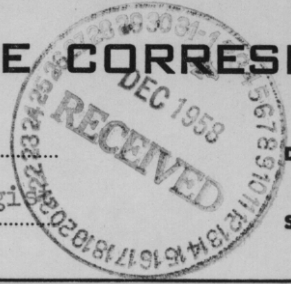
INSTRUCTIONS FOR USE OF THIS FORM

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.

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INTER-OFFICE CORRESPONDENCE



FROM Rod Macrae
 TO E. O. Chisholm, Chief Geologist
 DATE Nov 27th, 1958
 SUBJECT report on mining development Southern B.C.

MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

Dear Ted:

I returned Tuesday from a four day trip through the interior, the object being to scout what prospecting had been done since the spring and to get some ideas of developments by others in the southern interior. I went north as far as Little Fort, saw Leaming and Fennell, then over to Merritt, south to Princeton. Could not get into Highland Valley from the Amit creek side because of heavy snow.

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The following are developments I came across:

Rexspar: This company and Barry Expl. prospected an occurrence of uranium 5 miles east of Granite Mtn and about the same distance from the Rexspar orebody. The property was optioned from Masterton and as such, an access rd was built and some stripping of the one showing done. Scott and Leaming are satisfied there is not a commercial ore occurrence there.

Tommy Gordon, prospector, Little Fort:

staked a copper, gold silver showing, on the Bridge Lake Rd about 18 miles west of Louis Creek toward the Caribou. The owner stripped the showings and Leaming sampled them; says that the av. copper content is around one percent, and the precious minerals are erratic but that the outcrops are numerous enough to suggest there may be a large tonnage. Gordon's information is wildly optimistic and of course unreliable. Stan Leaming and Scott think the showings might warrant drilling. This is a new area and as far as I know there are no other incidences of minerals in this area. I'll get further information on this one, before passing an opinion.

Rexspar Uranium & Metal Mines Ltd.

Very little work to advance this property to the production stage was done this year. There is an estimated, tho quite reliable, 1.7 million tons of 1.6 lbs/ton U3O8 in this ore-body, amenable to open-pit mining. They have a contract at \$11 per ton plus; Dr Joseph has apparently not been able to raise the necessary 6-7 millions to put it in production and of course, the termination date of these contracts is getting uncomfortably close.

Craigmont:

Development to date indicates about ten million tons of 1.8 percent copper. It is fairly certain this property will be made into a producing mine. The ground where development is being done is badly broken up and dilution at least at this horizon, will be a factor.

Bethlehem Copper:

Did not get in to this development. They are drifting from

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FROM.....

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MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

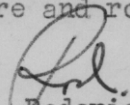
(Bethlehem Copper)
 the south toward the East Jersey zone to test the grade of this breccia pipe. There is a report that they have encountered another zone of comparable grade to the east Jersey, which was last reported at plus-minus 2% Cu. Throughout the summer Heustis has been discussing deals with a number of mining development companies and earlier, at the time ASARCO dropped their option, Newmont attempted to get a group of companies, including themselves, in a deal involving the purchase. Bethlehem had approx one-half million in the treasury and presumably will complete this current underground test with this money. It is quite possible they will sell more treasury shares to reinforce their cash position, if they can get a favorable market for the stock. This, they have not been able to do this summer, the stock ranging between 90 cents and 1.10

Torwest:

This company with whom you are familiar, have secured a block of claims on Squakum Mtn, on the east side of the Guichon quartz diorite batholith. The area is the site of the Lucky Mike copper showing and during the war was the location where the Metals Controller tested a scheelite showing, by drilling. Jim Scott who is consulting in the west, has reported favorably on the showing. Work is temporarily halted because of a recent blanket of snow. The structure and geology are interesting in this area and I'll get more detailed information of the results later.

Tower - Craig - Red Star - Anaconda prospect:

This prospect consists of 36 claims, in two groups, adjacent to, but generally north of the road from Hope to Princeton B.C. Claims are located at 4500 ft down to 3400 ft, the level of the highway at this point. Part of the claim group is the Knob Hill property and currently, the owners are drilling a magnetite, chalcopryrite zone, the first hole being started this week. Progress of development will be watched for the next few weeks because of the association of iron and copper minerals and the similar lithological structure and rock associations to the Craigmont ores.


 Roderick Macrae

(TO BE COMPLETED IN TRIPLICATE)

gobk

TO.....

DATE.....

FROM.....

SUBJECT.....

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<input type="checkbox"/>	E.L.D.
<input type="checkbox"/>	J.I.K.
<input type="checkbox"/>	E.C.J.

FROM Rod Macre DATE April 2nd, 1958

TO E. O. Chisholm, Chief Geologist SUBJECT Rrport weekendng
March 29th, 1958



MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

Examinations- properties:

Jack Lemnehan, 10040-114 St Edmonton, has a copper prospect which he has offered for examination. The showing is in the vicinity of the Haines cut-off south of Haines Junction. Lemnehan will be Whitehorse around June 15th. Wrote him for details and to confirm examination.

Pike Lake Chalcocite showing:

Wrote Emil Turnquist to find out what his plans are for the chalcocite showing at Pike Lake south of Atlin. Note that they have recorded assessment work on the group of claims covering the location of the float. Assays of samples which are grabs run from 23% to 70% Cu. Wrote Ivor and asked him to check on this one.

Charles Herbert Copper prospect:

Talked to Herbert in Seattle: this showing belongs to Callihan Zinc & Lead of N.Y.; a company controlled by Hirshorn. Joe Hall is the man directing the affairs of the company. The address is 100 Park Avenue, N.Y.

Herbert says the prospect is not sufficiently opened up for an ~~examination~~ examination; says, also, they will do further work this summer and can see no objection to an examination by P.A, but suggests we make arrangements thru Hall in N.Y. Therefore, Herbert says he will write me at Whitehorse when the showing is ready, at which time I'll ask you to contact Hall and make the necessary arrangements.

Herbert says the geology is similiar to the Kennecott option, and to date they have sampled one section across ten feet that assayed 6% CU.

Prospectors:

Reply from Kulan concerning a prospecting job received via Ivor. He will prospect for us but wants half-pay during the off-season period. Your comments, please.

(TO BE COMPLETED IN TRIPLICATE)

General:

Forwarded you a summary yesterday of the examinations made during 1957 in the Yukon and Northern B.C. Craigmont continues to make news. The latest holes are apparently drilled down dip and are going to depths of 800 feet. I sketched out the hole locations and estimate they may have 2 million tons indicated by drilling to date. There are two drills working on the property, drilling is very slow on account broken ground,

Rod Macre

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