

007448

D.C. Douglas
2850 Fandell Street
Nanaimo B.C.

April 9th, 1968

EN. 142

Mining Division,
Canadian Pacific Oil & Gas Ltd.,
205 Ninth Avenue S.E.
Calgary, Alberta.

Attention: Mr. H.G. Rushton

Dear Glen;

Herewith a report on a visit to the Cop creek native copper find. A byproduct of this excursion is the discovery of extensive, and unmapped, conglomerate in this area.

Spent two days on the Chemainus river, examining extensive conglomerate and shale - sandstone exposures. No significant readings. Little of this is on Fyles map sheet and only that which was seen from the main road was examined.

Conglomerate in Franklin river was negative. There remains Mt. Patlicant, which has a porphyry sill on top of Benson conglomerate. This is too high to work at present.

Vehicle is in for repair as one gasoline tank is leaking. Leak appears to be at a seam. Should be fixed tonight.

Pending advice as to the Princeton trip, I will work M&B Northwest Bay area.

Att.

Yours very truly,

D. C. DOUGLAS
D.C. Douglas

P.S. Also attached is a cutting from The Vancouver Sun, 8 April. This deals with "Utah".

PROPERTY FILE : 92F233 COP CREEK

PRELIMINARY INVESTIGATION REPORT

COP CREEK NATIVE COPPER FIND - CAMERON RIVER V.I. B.C.

By: D.C.Douglas

9 April 1968

- Location: Reference map N.T.S. 1:50,000 Alberni Inlet, East half - 92F/2 and M&B road map, 4" = 1 mile, copy held at C.P.O.G. office.
- Access: By Banfield road from Port Alberni to M&B Cameron Division headquarters thence about 11 miles using Cameron Div. logging roads:- Cameron Main, Cop Road and its branch 410. Showing is within 100 ft. of end of 410 and in roadbed thereof. (ELEVATION - BY ALTIMETER - 2900')
- Summary. Because of snow, showing was not seen but its location was established by finding copper mineralization, including native Cu, in spoil at top of road cut.
- Area is mapped by Muller as Sicker, road cuts on 410 including two at find area are volcanics. Find area is surrounded on South and East by cliff outcrops, which are dark volcanics and appear unmineralized. To the North the land is flat and probably overburden, without outcrop.
- Country is in virgin timber probably without underbrush and of moderate slope. "Going" should be excellent - until area is logged.
- History. Discovery resulted from road construction, fall 1967. There is no B.C.M.M. Report reference known to me on mineralization or work in the Cameron River valley. Old workings are known to me about 6 miles S.E. of the native copper find.
- Examination: Being informed that 410 was ploughed out, I on 8 April, drove to junction of Cop road with 410 and found the latter not ploughed. Walked in about April 1968 one half mile, on up to five feet of snow, to end of road.
- Several rock cuts were snow free as were extensive cliff outcrops South and East of showing, these were of dark volcanics except at showing where cut was in greenish volcanic with some quartz. No mineralization was seen in outcrop.
- On lip of cut at showing fly rock with malachite, azurite and native copper was seen. There were pieces of a basaltic rock which might indicate the copper to be associated with a dyke. The showing, being under deep snow, was not seen.
- A minor stream crosses the road within 100 ft. of showing. Its bed, which could be examined in places, showed no interesting rock,
- What is presumably a claim location line was seen.

Examination:
contd.

On returning to the truck, I met a Mr. Arndt? who stated that he was the staker of the showing and is the M&B grade foreman. I assume he came to find me as my movements were advertised on traffic control radio. He hopes to get a dozer to the showing in about two weeks time.

On asking him where the conglomerate road ballast on Cop road came from, he informed me that there is about a mile of continuous conglomerate on the upper end of Cop road, that is East of the showing. This is not shown on Muller's map.

Followed Arndt? back to Banfield road and, on Cop about 1 mile from Cameron Main, stopped at a cut where Arndt? had seen a peculiar rock. This is a bleached rock, highly altered and having a green mineral discoloration in blotches which has the look, as to color, of malachite. I will send sample for your examination - via Princeton trip. I have seen an adit on this material - old workings under "History". Same stuff can be seen near Nanoose Bay and at Museum - Rift creek area. This may well be chlorite but I would like confirmation that it is not Annabergite or Malachite.

Was also showed, on Cameron Main, two Jasper exposures which interested my informant for their iron content - of no interest.

Conclusions.

No conclusion can be drawn as to the native copper find except that it exists. The proximity to numerous showings on the North side of China creek is suggestive.

It is premature to soil sample the roads in the area, because of snow.


Any geological, geochemical or geophysical work contemplated, should be carried out before the area is logged. I am not informed as to the logging plan in this area.

Addenda:

Mr. Arndt?, who seems to be a competent person, reports limestone near his find and says some galena, in small grains, has been seen near junction 400 - 410.

Conglomerate exists in sufficient quantity to warrant examination.

9 Apr 68


D.C. Douglas

*Cop Creek
Mt. Hayes*

BARRINGER RESEARCH

BARRINGER RESEARCH LIMITED
304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO, CANADA
PHONE: 416-677-2491
CABLE: BARESEARCH

Geochemical Laboratory Report

DATE November 24, 1969
(retyped Dec.15/69)

Canadian Pacific Minerals Limited
Natural Resources Bldg.,
205 Ninth Avenue SE.
Calgary 21, Alberta.

CC: Can. Pac. Minerals
2850 Fandell St.
Nanaimo, B.C.
Attention: D. C. Douglas

G. Parker

REPORT NUMBER 391

Cop Creek ←

SAMPLE NUMBER	Total Cu ppm		Sample Number	Total Cu ppm		Sample Number	Total Cu ppm		Sample Number	Total Cu ppm
D-571	52		591	107		611	88			
572	41		592	94		612	54			
573	113		593	45		613	113			
574	69		594	38		614	69			
575	88		595	11		615	16			
576	81		596	54		616	47			
577	139		597	25		617	52			
578	113		598	49		618	16			
579	69		599	73		619	17			
580	75		600	81		620	25			
581	125		601	37		621	195			
582	69		602	20						
583	119		603	167						
584	69		604	88						
585	75		605	88						
586	113		606	29						
587	94		607	45						
588	11		608	160						
589	19		609	39						
590	57		610	74						

→ Mt. Hayes

← Cop Creek

PROPERTY FILE

File: 2F/2 East - Cop Creek Copper

D.C. Douglas
2850 Fandell Street
Nanaimo B.C.

November 3rd, 1969

Can^Pac Minerals Limited
205 Ninth Avenue S.E.
Calgary 21, Alberta

Attention Mr. H.G. Rushton

Dear Glen:

On October 20 and 21 I spent considerable time examining the area of the "Cop Creek Native Copper Showing". This was the subject of a previous report dated April 9th, 1969.

The area has been logged since my last visit, at which time there was deep snow. The current examination was under ideal conditions - yet nothing of consequence was found.

The find was made in the fall of 1967, when road construction was reported to have disclosed native copper. On my visit of spring 1968 I met a Mr. Arlt, who was then the road foreman and who had staked the find. He then informed me that it was necessary to cover the showing as part of the road construction. He also said he intended, within two weeks, to put a bulldozer on the showing. There was, Oct 1969, no evidence that any exploration had been done. Mr. Arlt has been transferred to the Queen Charlotte Islands.

In the spring of 1968, on snow, I identified the showing by a piece of malachite seen on a cut bank. On the bank above I dug in the snow until I found two pieces of native copper - presumably placed there from the showing in the road bed. In October this year I was unable to find even a speck of mineralization at this place. It is recognized that the loggers would pick up anything worthwhile But I do not understand why I could find no single grain of copper mineral.

About 100 ft. west of the site I found a half inch cube of good copper mineralization. This was the only mineralized fly rock found. Perhaps 50ft. east I found one trace of malachite in blasted rock. About 1000 ft further east I identified a few grains of bornite in a rock cut.

The mineralization found, except for the cube of high grade, was no more than can reasonably be expected from an exhaustive examination of any new rock cut on Vancouver Island. It can be asserted that there is no showing now visible.

The rock at site of copper "discovery" is volcanic, presumably Sicker. it is somewhat altered and has numerous quartz stringers. All outcrop to the south is volcanic. Within 100 ft. North of the discovery there is a nearly flat area

*Adler
K.N. - Cop Creek
Native Copper*

which is mostly conglomerate outcrop. This might be in the order of 1000ft x 1000ft. The effect is that all volcanics downhill from the find area are conglomerate covered.

Soil samples D-571 70 D-607 inclusive were taken. Marked up mylat trace will be forwarded to you shortly.

Four claims were staked in this property on October 13th, 1969. The stakers being:- E.Foote - R.R. 1 Port Alberni and Albert Hugh Clarke, Box 1215 Port Alberni. There is no sign of work by them.

The samples have not yet been sent for assay. I want to get a few samples from the high altitude area west of Mt. Hayes, where I found copper mineralization associated with a dike, whilst working last spring.

We will have to await assay before Cop creek can be further examined or written off. If specimen grade copper was found during road blasting it seems incredible to me that the extensive fly rock is barren. Should the assays be blank I will then suspect the copper was introduced, though no purpose can be imagined. If the assays are high it will prove that soil sampling can find a blind deposit.

Yours very truly,


D.C. Douglas
Exploration Engineer

File: 92F/2 - East Cop Creek

D.C. Douglas
2850 Fandell Street
Nanaimo B.C.

December 8th, 1969

CanPac Minerals Limited
205 Ninth Avenue S.E.
Calgary 21, Alberta

Attention: Mr. H.G. Rushton

Dear Glen;

By letter of November 3rd, I reported on my visit to this area. Air Photo overlays showing sample numbers and assays was given to Peter MacFarlane 6 Dec.

Though no assay was greater than 167 ppm Cu., there are anomalous samples.

Samples D-603 - 167 ppm and D-604 - and 605 each 88 ppm, were taken on conglomerate outcrops. This area was downhill from the Native Cu. reported find. As these assays are high for conglomerate it must be assumed that the copper came from up-hill.

The conglomerate is probably quite thin and is unusual in that it is crumbly. Benson conglomerate is usually similar to good concrete and forms cliffs. Jasper pebbles were noted in this rock.

There are now many miles of road in this area, which did not exist during the time Gunnex examined the Cameron River. It might be profitable to do more work in this area at some future date.

Yours very truly,

D.C. Douglas
D.C. Douglas
Exploration Engineer

