



Mitchell -

Sulphurets

804008

To / À

Dr. T.P. Poulton
Institute of Sedimentary & Petroleum Geology
3303 - 33rd Street N.W.
Calgary, Alberta T2L 2A7

From / De

R.V. Kirkham

Security Classification - Classification de sécurité
Our File - Notre référence KIRKMEMS
Your File - Votre référence
Date 27 November 1990

Subject / Objet

Fossil Collection OHSB 508

The enclosed fossil assemblage, including Trigonina and gastropod fragments, was collected by J.R. and M.N. Henderson about 5900 feet elevation on the slope north of the Mitchell Glacier east of the Brucejack Lineament about 425900 m E and 6267800 m N (about 130°12' and 56°33')(104B/9). This could be very close to GSC locality 86283 reported in E.W. Grove (1986, p. 150).

R.V. Kirkham

cc: J.R. Henderson
M.N. Henderson

Report on 1 collection of Jurassic fossils submitted by R.V. Kirkham in Iskut map area, B.C., in 1990 (NTS 104B/9).

The relevant parts of any manuscript prepared for publication that paraphrase or quote from this report should be referred to the Paleontology Subdivision, Calgary, for possible revision.

ONSA-508[®]

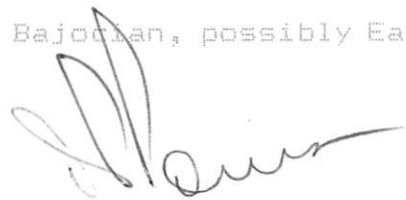
C-190446. J.R. and M.N. Henderson, 1990. Field No. 90-HSA. Slope north of the Mitchell Glacier, east of the Brucejack Lineament. Elevation 5900'. UTM 425900E/6267800N Mitchell Glacier, Lat. 56°33'N, Long. 130°12'W. Close to GSC locality 86283 reported in E.W. Grove (1986, p. 150).

Identifications:

Myophorella sp.
Trigonia sp.
gastropods, indet.

Age: Middle Jurassic, probably Early Bajocian, possibly Early Callovian.

J. Utley for G.S. Nowlan



T. P. Foulton

Paleontology Subdivision
Institute of Sedimentary and Petroleum Geology
Geological Survey of Canada
Calgary, Alberta
March 19, 1991

Wesley Raven
Ore Quest Consultants Ltd
306-595 Howe St.
Vancouver, BC
V6C 2T5
May 27 1991

Rod Kirkham
Geological Survey of Canada
601 Booth St.
Ottawa, Ontario
K1A 0E8

Dear Rod,

Sorry it has taken me so dreadfully long to get this information sent off to you. I am sending a copy of the Tantalus report dated Jan. 31 1991 which basically summarizes the 1990 field work. I gather Peter Loughheed at Prime has also sent you a copy of this report & so mine will be a spare. Also enclosed are some maps from other Tantalus reports for work done in 1989. If any of these maps are of great interest to you I should be able to get mylar copies at a larger scale than these. Most of these maps have been photo-reduced to the point when you can hardly use them.

Also of interest are the fossils (ammonites) that were found last year. I took them to Paul Smit at U.B.C. and left several specimens with him. Paul has not given me a full report but has tentatively identified some of the samples. The Bivalve Fauna include Weyla, other clams, and gastropods which are found throughout the Lower Jurassic. The ammonites give a much better age date. There appear to be 2 different types, one not yet identified, the other is possibly *Metophioceras Rursicostatum*. The above is definitely lower Jurassic, flanking the lower Sinemurian and upper Hettangian. I will stay in contact with Paul and send you a copy of his more detailed report when he has it prepared. Hope this is of use to you.

I look forward to seeing you this summer. Rod, hopefully we can have a bit more information on the new showings and on Treaty Gosson when you get out our way. Prune is planning more work for Tantelus which will include finishing the mapping on Treaty Gosson. We hope to get over where Jack and Mariette found more of the laminated silica-dunite-native sulphur bearing rock and get some control on the extent of this unit.

Yours Sincerely
Wesley Raven



Energy, Mines and
Resources Canada

Geological Survey
of Canada Sector

Énergie, Mines et
Ressources Canada

Secteur de la Commission
géologique du Canada



DATE: April 11/91

TO: Dr. T. Poulton
ISPG
Calgary
fax (403) 292-5377

FROM: Rod Kirkham

MINERAL DEPOSITS SUBDIVISION
601 BOOTH STREET, ROOM 686
OTTAWA, ONTARIO
K1A 0E8

FAX: (613) 996-9820

TELEPHONE: (613) 995-4656

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MESSAGE/SPECIAL INSTRUCTIONS:

Terry - There is some confusion about fossil
locality C-190446 (OHSA-508).

Please check field number on sample
and description in Jack field notes (copy
attached). I suspect that his field number
is wrong and should be OH507.

Many workers are interested to know
if this sample was from east (#507)
or west (#508) of the Brucejack Fault.

Do you also know of the possible Jurassic(?)
reef near the Willoughby Glacier (ID3P13,14)?

Best regards

Rod

1780m
PH507

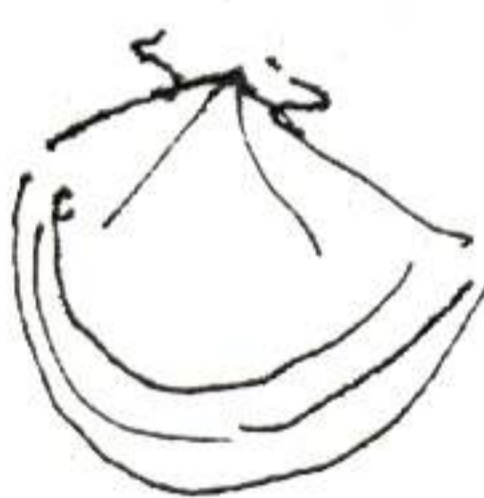
S₁ py slate 069/75 } S₀X_{S₁} = 077@25 SE vergent
S₀ = 265/70

Pelecypods looking like large mussels



X1 Car. if remove virtually dissolved w/ mold remaining

also pecten
Roll basin sept
fil on MNH
camera



spec of pecten

1 CM

30m from
Se edge ^{tuffaceous} cut ¹⁵⁵ over bl slate S₀ = 355/65

3-5cm SS is lt tan w/ dk grey silt interbedded 1-2cm
also 2m bl slate in tan to white SS

silts are slung folded & bedded interfoliably

50m from slope S₀ = 355/55 } S₀X_{S₁} = 008@19 NW vergent
S₁ = 196/71

PH508 Belemnite or calcarenite

R13 - frame 14 fossil bed w/ Pelecypods
Belemnite wash

S₀@¹⁰⁰ ¹⁰⁰ = 265/407 SE vergent
S₁ = 255/67 } S₀X_{S₁} = 068@12

PH509
1/5 pick up from looking NW @ Evergent
fil on Sch



R16-18 Salfordite, Hacer & Lahu on way back w/ Dale

