

RESTRICTED TO

Report on 30 subsurface drill cuttings and core samples from Birch
 YT-B-34, Soc. Mobil - Western Minerals, south Eagle Plain Map-
 area, Yukon (N73-116E).

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

<u>Stratigraphy & Footage</u>	<u>Locality, Microfossils & Age</u>	<u>GSC Loc. No.</u>
unknown stratigraphy	Birch YT B-34, 66°03'3.14"N, 136°51'17.5"W for all samples	
500 to 600 feet (5 samples)	<u>Haplophragmoides</u> spp. , common to abundant <u>Bathysiphon</u> sp. , few <u>Trochammina</u> sp. , rare <u>Ammobaculites</u> sp. , common ? <u>Textularia</u> sp. , rare ? <u>Plectina</u> sp. , rare <u>Verneuilinoides</u> sp. , common <u>Gaudryina</u> spp. , common radiolaria spherical form, few	C-12969 to C-12973
600 to 620 feet (1 sample)	<u>Haplophragmoides</u> n. sp. , few <u>Ammobaculites</u> n. sp. , few serial agglutinated forms, common <u>Bathysiphon</u> sp.	C-12974
620 to 640 feet (1 sample)	radiolaria, common (red colour) <u>Dietyometra</u> sp. 17 <u>Spumelaria</u> sp. 29 discoid forms sp. 25 ? <u>Miliammina</u> sp. <u>Haplophragmoides</u> spp. age: the radiolarian assemblage is similar to the bituminous shale zone of the early Late Cretaceous (?Coniacian+)	C-12975
640 to 680 feet (2 samples)	<u>Haplophragmoides</u> sp. , few <u>Gaudryina</u> sp. 4, few <u>Bathysiphon</u> sp. , rare	C-12976 to C012977
680 to 700 feet (2 samples)	? <u>Spiroplectinata</u> sp. ? <u>Hippocrepina</u> sp. <u>Reophax</u> spp. megaspores IC var. sp. 1, common "Sporitoides" spp.	C-12978 to C-12979

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age: the acme of development for the "Sporitoides" group is in the Cenomanian stage or top of the Late Albian. The regional placement of Gaudryina sp. 4 (640 to 680 feet) is also in the Cenomanian stage

700 to 820 feet
(6 samples)

Inoceramus sp. prisms, common
Hyperammina sp., common
Ammobaculites ex gr. fragmentarius
Cushman, few
Haplophragmoides ex gr. H. gigas minor
Nauss, common
Reophax spp., few
Trochammina ex gr. T. umiatensis Tappan
age: Albian, Middle to Late

C-12980 to
C-12985

820 to 900 feet
(4 samples)

Dictyometra sp. 9 (pyritized), common
Trochammina ex gr. T. rainwateri
Cushman and Aplin, few
iron replacement, rods, etc. as a "rusty zone"
age: Albian, ?Middle

C-12986 to
C012989

900 to 990 feet
(9 samples)
(2 cores)

?Glomospirella sp., rare
Ammodiscus ex gr. A. mangusi (Tappan),
rare
Haplophragmoides ex gr. H. neocomianus
Chapman, common
pyritized radiolaria, common
age: Albian, ?Middle/Early boundary

C-12990 to
C-12998

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