

ANDERSON, WILCOXON & ASSOCIATES, INC.

CONSULTING MICROPALAEONTOLOGY

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Cable: Micropaleo San Diego

May 12, 1975

TO: Tetra Tech, Inc.

RE: U.S.N.  
Cape Halkett #1  
NPR-4  
North Slope, Alaska

PRELIMINARY PALYNOLOGY REPORT

510-650'

Barren of palynomorphs.

AGE: Indeterminate

680-1100'

Poor recoveries. Scattered occurrences of *Osmunda*, *Betula*, *Sphagnum*, gymnosperm pollen, ? *Astrocysta cretacea*, and *Oligosphaeridium* complex.

AGE: (?) Cretaceous

1100-1320'

Poor recoveries. Single specimens of *Triprojectus magnus*, *Gleicheniidites senonicus*, *Osmunda*.

AGE: Probable Campanian-Maestrichtian

1320-2040'

Abundant microplankton assemblage. *Australiella cooksoni*, *A. victoriensis*, *Hystrichosphaeridium difficile*, *Odontochitina operculata*.

AGE: Santonian-Campanian

RE: Cape Halkett #1

2040-2500'

Drop in microplankton abundance and diversity. Many of the common forms from the above interval are present here in decreased numbers.

AGE: (?) Turonian - (?) Coniacian

2500-3357'

Return to abundant microplankton assemblage.

Odontochitina operculata, Hystrichosphaeridium difficile, Deflandrea acuminata, Cribroperidinium edwardsi, Pseudoceratium dettmanae.

AGE: Cenomanian

3357' SWC - 3620' SWC

"Scriniodinium eurypylum", Ascodinium verrucosum, Astrocysta cretacea.

AGE: Albian

3620-7500'

As of this writing all the sidewall cores have yet to be examined. The age of this interval is therefore designated as undifferentiated Aptian-Albian age until the cores are analyzed

7506' SWC

Muderongia simplex, Psaligonyaulax apatela var.

AGE: In Neocomian; possibly Late Jurassic

7715'

Heliosporites altmarkensis, Spore (Genus?) as seen @ 6348' core of Simpson #1.

AGE: Probable Triassic

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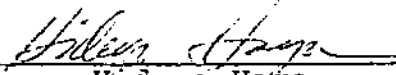
RE: Cape Halkett #1

7840' SWC

TRD-2 (undescribed Triassic dinoflagellate).

AGE: Carnian-Norian

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Hideyo Haga