

APPENDIX VI - 4

CONODONT ANALYSES

by M. Orchard

Geological Survey of Canada, Vancouver

REPORT ON CONODONTS AND OTHER MICROFOSSILS

FINLAYSON LAKE (105G) and STEWART RIVER (115N)

4 samples (1 productive) collected by J. Hunt

**Yukon Geoscience Office
1996**

Paleontologic and biochronologic data contained herein should not be published without prior approval of the responsible paleontologist, generally the author.

Reference to the data should quote the author, report number, and unique GSC locality number of the collection.

M.J. Orchard

**C.J. Hickson
Vancouver Subdivision
Geological Survey of Canada**

GSC Loc. No: C-303352 NTS: Finlayson Lake, 105G/10
Fld. No: 96-OF-JH-STOP3

Collector: J. Hunt

GEOGR - Lat./Long.: 61°42'30", 130°50'

UTM: Zone 9; 403064E, 6842852N.

Description: Campbell Highway

STRAT - Rock Unit: Nasina? Group

Description: Carbonate. DTK says equivalent to Earn Group
sandstone?

PALEO - Fossils: conodonts

Conodont taxa: CAI: 5.5

Lochriea sp. cf. L. commutata (Branson & Mehl 1941) (3)

Gnathodus sp. cf G. bilineatus (Roundy 1926) (2)

Gnathodus sp. ident. (2)

AGE - Early Carboniferous, probably Serpukhovian

3 UNPRODUCTIVE SAMPLES

GSC Loc. No: C-303351 NTS: Finlayson Lake, 105G/1
Fld. No: 96-OF-JH-54

Collector: J. Hunt

GEOGR - Lat./Long.: 61°32'30", 131°34'30"

UTM: Zone 9; 363126E, 6825625N.

Description: Argus property, subcrop on road

STRAT - Rock Unit: Nasina? Group

Description: Carbonate. foliated, dark grey, carbonaceous
limestone

PALEO - Fossils: barren

AGE - Indeterminate

GSC Loc. No: C-303354 NTS: Finlayson Lake, 105G/1
Fld. No: 96-OF-JH-DUB-GRID

Collector: J. Hunt

GEOGR - Lat./Long.: 61°10', 130°27'

UTM: Zone 9; 421988E, 6782013N.

Description: SE end of Fire Lake on Dubgrid

STRAT - Rock Unit: unknown

Description: Carbonate interlayered with mafic volcanics
and black shale.

PALEO - Fossils: barren

AGE - Indeterminate

GSC Loc. No: C-303353 NTS: Stewart River, 115N/10
Fld. No: 96-OF-JH-1A

Collector: J. Hunt

GEOGR - Lat./Long.: 61°30', 140°39'

UTM: Zone 9; 517425E, 7041150N.

Description: Bert Savage's Placer Camp on Matson Creek

STRAT - Rock Unit: Nasina? Group

Description: Carbonate. large white partially recrystallized
limestone outcrop, very finely laminated, rare organic rich
laminae, local chalcedonic layers, rare coral and bivalve
shell

PALEO - Fossils: barren

AGE - Indeterminate

Report No. MJO-1999-7

REPORT ON CONODONTS AND OTHER MICROFOSSILS

QUIET LAKE (105F)

7 samples (2 productive) collected by J. Hunt

**Yukon Geoscience Office
1998**

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**C.J. Hickson
Vancouver Subdivision
Geological Survey of Canada**

GSC Loc. No: C-304167 **NTS:** Quiet Lake, 105F/9
Fld. No: 98-IG-JH-198

Collector: J. Hunt

GEOGR - Lat./Long.:

UTM: Zone 8; 635600E, 6835300N.

Description: Pelly-Cassiar Platform

STRAT - Rock Unit:

Description: Carbonate, lst. unit within volcanics

PALEO - Fossils: conodonts

Conodont taxa: CAI: 5.5
ramiform elements (1)

AGE - Ordovician-Triassic

GSC Loc. No: C-303631 **NTS:** Quiet Lake, 105G/14
Fld. No: 98-IG-JH-ICE-CLAIM

Collector: J. Hunt (Yukon Geology)

GEOGR - Lat./Long.:

UTM: Zone 9; 375900E, 6864900N.

Description: Campbell Range Belt of the Yukon, North east
of Ross River & north of Campbell Hwy

STRAT - Rock Unit:

Description: Carbonate, assoc. w black & green ribbon
chert & brecc. basalt, limestone subcrop

PALEO - Fossils: conodonts, microgastropods, echinoderms

Conodont taxa: CAI: 4.5

Epigondolella sp. indet. (13)

Epigondolella quadrata Orchard 1991 (10)

Epigondolella triangularis (Budurov 1972) (22)

AGE - Late Triassic, Early Norian

5 UNPRODUCTIVE COLLECTIONS

GSC Loc. No: C-304165 NTS: Quiet Lake, 105F/7

Fld. No: 98-IG-JH-184

Collector: J. Hunt

GEOGR - Lat./Long.:

UTM: Zone 8; 625900E, 6815650N.

Description: Pelly-Cassiar Platform

STRAT - Rock Unit:

Description: Carbonate, Ist. unit within volcanics

PALEO - Fossils: barren

AGE - Indeterminate

GSC Loc. No: C-304166 NTS: Quiet Lake, 105F/7

Fld. No: 98-IG-JH-189

Collector: J. Hunt

GEOGR - Lat./Long.:

UTM: Zone 8; 624950E, 6815500N.

Description: Pelly-Cassiar Platform

STRAT - Rock Unit:

Description: Carbonate, Ist. unit within volcanics

PALEO - Fossils: barren

AGE - Indeterminate

GSC Loc. No: C-304168 NTS: Quiet Lake, 105F/9

Fld. No: 98-IG-JH-199

Collector: J. Hunt

GEOGR - Lat./Long.:

UTM: Zone 8; 635650E, 6835250N.

Description: Pelly-Cassiar Platform

STRAT - Rock Unit:

Description: Carbonate, Ist. unit within volcanics

PALEO - Fossils: barren

AGE - Indeterminate

GSC Loc. No: C-304163 NTS: Quiet Lake, 105G/5

Fld. No: 98-IG-JH-110

Collector: J. Hunt

GEOGR - Lat./Long.:

UTM: Zone 9; 362850E, 6805000N.

Description: Pelly-Cassiar Platform

STRAT - Rock Unit:

Description: Carbonate, Ist. unit within volcanics

PALEO - Fossils: barren

AGE - Indeterminate

GSC Loc. No: C-304164 NTS: Quiet Lake, 105G/5
Fld. No: 98-IG-JH-167

Collector: J. Hunt

GEOGR - Lat./Long.: 61E 25' 18", 131E 41' 2"

UTM: Zone ;

Description: Pelly-Cassiar Platform

STRAT - Rock Unit:

Description: Carbonate, 1st. unit within volcanics

PALEO - Fossils: barren

AGE - Indeterminate
