APPENDIX 1. Paleontological age determinations

Note: These collections listed here were identified between 1960 and about 1983, primarily to determine the age of enclosing sedimentary formations. Note that localities include those in southern Tay River map area to the north as well as Quiet Lake and Finlayson Lake map areas. Latitude and longitude for these localities uses the NAD 1927 datum (The foolowing tables indicate NAD 1983 coordinates). Map units correspond to abbreviations used in the legend of the accompanying maps.

1. G.S.C. Loc. No. 42929
Locality: Tay River map-area,
N62°12'30", W133°51'
Between Magundy and Pelly Rivers.
Map unit SDB
Fauna: *Coenites* 2 spp.
rugose corals 2 spp.
Syringopora sp.
stromatoporoids
Thamnopora sp.
orthid and (?) pentamerid brachiopods
Ptychopleurella sp.
Age: Silurian
-Identification by B.S. Norford, G.S.C.

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2. G.S.C. Loc. No. 42921
Locality: Tay River map-area,
N62°11'11", W133°45'30"
North side of Magundy River.
Map unit SDB
Fauna: ?*Cladopora* sp. - poorly preserved
crinoid ossicles
Age: probably Middle Devonian
-Identification by A.W. Norris, G.S.C.

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3. G.S.C. Loc. No. 36682
Locality: Tay River map-area,
N62°2'40", W133°23'.
Map unit Ss
Fauna: *Monograptus* cf. *M. priodon* (Brown)
Age: Monograptids of the priodon species group range from late Llandoverian to late Wenlockian in age (i.e. Early to Middle Silurian). However, the great lengths attained by many of the specimens in the above collection as well as the apparent paucity of other graptolites suggest a Wenlockian rather than Llandoverian age.
-Identification by R. Thorsteinsson, G.S.C.

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4. G.S.C. Loc. No. 93424
Locality: Tay River map-area,
N62°03'15", W133°16'.
Map unit SDBr
Fauna: conodonts (platform elements)
Icriodus alternatus Branson & Mehl and var.
Palmatolepis triangularis Sannemann
Palmatolepis tenuipunctata Sannemann
Palmatolepis sp. cf. *P. regularis* Cooper
Palmatolepis sp. aff. *P. rhomboidea* Sannemann
Polygnathus spp.
Age: Upper Devonian, Early Famennian.
Upper *P. triangularis* zone to Lower *P. crepida* zone (cf Ziegler 1971 and Klappez et al, 1971).

-Identification by B.E.B. Cameron, G.S.C.

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5. G.S.C. Loc. No. 40564
Locality: Quiet Lake map-area
N61°58', W133°25'30"
NW of Fox Mountain.
Map unit SDP
Fauna: *Amphipora* sp.
Age: Middle Devonian
-Identification by A.W. Norris, G.S.C.

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6. G.S.C. Loc. No. 40568
Locality: Quiet Lake map-area
N61°58'10", W133°26'30"
NW of Fox Mountain.
Map unit SDP
Fauna: *Thamnopora* sp.
Coenites sp.
Schizophoria sp.
crinoid ossicles
Age: Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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7. G.S.C. Loc. No. 40540
Locality: Quiet Lake map-area
N61°58'25", W133°25'30"
NW of Fox Mountain.
Map unit SDP
Fauna: *Coenites* sp.
Age: late Middle Devonian
-Identification by D.J. McLaren, G.S.C.

8a. G.S.C. Loc. No. 36665
Locality: Quiet Lake map-area
N61°56'30", W133°20'
2.9 km NE of Fox Mountain.
Map unit SDP
Fauna: echinoderm fragments
solitary corals
?*Coenites* sp.
tabulate coral
indeterminable brachiopods 4 spp.
fish fragments
Age: Probably Early Devonian.
Remarks: Primitive fish plates also found at this locality were examined by D.L. Dinelay of the University of Bristol. He identified the plates as pteraspid and commented,"Known in Lower Devonian fishes possessing just this kind of ornamentation ...'I. He concluded that the remains are probably Lower Devonian.
-Identification by B.S. Norford, G.S.C.

8b. G.S.C. Loc. No. 40490
Locality: Quiet Lake map-area
N61°56 '16", W133°19'30"
2.9 km NE of Fox Mountain.
Map unit SDP
Fauna: solitary coral
?*Coenites* sp.
Kirkidium cf. *K.* - *alaskense* Kirk and Arnsden
Age: Late Silurian
-Identification by B.S. Norford, G.S.C.

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9. G.S.C. Loc. No. 40510
Locality: Quiet Lake map-area
N61°56'45", W133°18'40"
3.5 km NE of Fox Mountain.
Map unit SDP
Fauna: echinoderm columnals
triaxon sponge spicules
Coenites sp.
cf. *Aulopora* sp.
Diccaelosia sp.
cf. *Atrypa* sp.
cf. *Alaskospira* sp.
cf . *Fardenia* Sp.
atrypellid and pentamerid brachiopods
undetermined brachiopods, 3 spp.
Age: Middle or Late Silurian
Collections identified by B.S. Norford, G.S.C.

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10. G.S.C. Loc. No. 86365
Locality: Quiet Lake map-area
N61°55', W132°57'
2.2 km SW of Mt. Cook.
Map unit uŦH
Fauna: fish bone
pellets
Metapolygnathus sp. (Juvenile)
Age: Middle to Late Triassic
-Identification by B.E.B. Cameron, G.S.C.

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11. G.S.C. Loc. No. 36696
Locality: Quiet Lake map-area
N61°56', W133°17'30"
3.8 km ENE of Fox Mountain.
Map unit SDP
Fauna: *Monograptus* cf. *M. priodon* (Bronn)
Age: Monograptids of the priodon species group range from late Llandoverian to late Wenlockian in age (i.e.' Early to Middle Silurian). However, the great.lengths attained by many of the specimens in the above collection as well as the apparent paucity of other graptolites suggest a Wenlockian rather than Llandoverian age.
-Identification by R. Thorsteinsson, G.S.C.

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12. G.S.C. Loc. No. 28531
Locality: Quiet Lake map-area
N61°55', W133°20'30"
1.6 km SE of Fox Mountain, elevation 6900'.
Map unit probably muDc but not differentiated
Fauna: *Amphipora* sp.
coral fragments
Age: Devonian
-Identification by D.J. McLaren, G.S.C.

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13. G.S.C. Loc. No. 36694
Locality: Quiet Lake map-area
N61°55'30", W133°17'30"
Fox Mountain.
Map unit SDP
Fauna: *Monograptus* cf. *M.* - *priodon* (Bronn)
Age: Monograptids of the priodon species group range from Late Llandoverian to late Wenlockian in age (i.e. Early to Middle Silurian). However, the great lengths attained by many of the specimens in the above collection as well as the apparent paucity of other graptolites suggest a Wenlockian rather than Llandoverian age.
Identified by R. Thorsteinsson, G.S.C.

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14. G.S.C. Loc. No. 36685
Locality: Quiet Lake map-area
N61°55'30", W133°16'30"
Fox Mountain.
Map unit OSM
Fauna: *Tetragraptus* cf. *T. fruticosus* (Hall)
Tetragraptus cf . *T. quadribrachiatus* (Hall)
Isograptus sp. indet.
diplograptid, gen. and sp. indet.
Age: Early Ordovician (Arenigian) *Tetragraptus fruticosus* Zone or *Didymograptus protobifidus* Zone.
Identified by R. Thorsteinsson, G.S.C.

15a. G.S.C. Loc. No. 36679
Locality: Quiet Lake map-area
N61°55'30", Wl33°15'
6.4 km ENE of Fox Mountain.
Map unit SDP
Fauna: stromatoporoids spp
Alveolites sp.
Coenites sp. C.
Age: Upper Ramparts/Nahanni; Middle Devonian
-Identification by D.J. McLaren, G.S.C.

15b. G.S.C. Loc. No. 36663
Locality: Quiet Lake map-area
N61°55'30", W133°15'
6.2 km ENE of Fox Mountain; W of Askin Lake.
Map unit SDP
Fauna: *Amphipora* sp. (to index collection)
stromatoporoid
Alveolites sp. B. (to index collection)
Coenites sp. C. (to index collection)
Favosites sp. C. (to index collection)
Rohingeria sp. (to index collection)
Hexagonaria sp. F (to index collection)
Strihgocephalus sp. (to index collection)
Age: This is a valuable collection in that the presence of undoubted *Stringocephalus* allows several of the associated forms which occur elsewhere to be dated. *Alveolites* sp. B, *Coenites* sp. C, and *Favosites* sp. C are all known from the Nahanni and Ramparts Formations in the Mackenzie region. The *Romingeria* and *Hexagonaria* species are new. The beds containing this fauna are probably equivalent in age to the Upper Ramparts, possibly the lower half, and are of late Middle Devonian (Givetian) age.
-Identification by D.J. McLaren, G.S.C.

16a. G.S.C. Loc. No. 28522
Locality: Quiet Lake map-area
N61°54115", W133°17'40"
4 km SE of Fox Mountain at elevation 5500'.
Map unit probably muDc but not differentiated
Fauna: Columnariid coral A (close to a Ramparts form)
Age: Middle Devonian
-Identification by D.J. McLaren, G.S.C.

17a. G.S.C. Loc. No. C-45537
Locality: Quiet Lake map-area,
N6l°56', W133°09'
3.2 km E of Askin Lake.
Map unit OSM; Askin Lake Section, 0-2m
Fauna: graptolite fragments
diplograptid
Age: Ordovician to Silurian
-Identification by B.S. Norford, G.S.C.

17b. G.S.C. Loc. No. C-45535
Locality: Quiet Lake map-area,
N61°56 I, W133°09'
3.2 km E of Askin Lake.
Map unit OSM; Askin Lake Section, 2-3m
Fauna: graptolite fragments
diplograptid
Climacograptus sp.
Age: Middle Ordovician to Early Silurian
Identification by B.S. Norford, G.S.C.

17c. G.S.C. Loc. No. C-45546
Locality: Quiet Lake map-area,
N61°56', Wl33°09'
3.2 km E of Askin Lake.
Map unit OSM: Askin Lake Section, 3-5m
Fauna: diplograptid
Climacograptus sp.
Glossograptus" sp.
Age: Ordovician, probably Llanvirnian to Caradocian
Identification by B.S. Norford, G.S.C.

17d. G.S.C. Loc. No. C-45534
Locality: Quiet Lake map-area,
N61°56' , W133°O9'
3.2 km E of Askin Lake.
Map unit OSM;Askin Lake Section, 8-9m
Fauna: graptolite fragments
Dicellograptus sp.
diplograptid
Glossograptus sp.
Nemagraptus sp.
Age: Ordovician, latest Llandellian to early Caradocian, Nemagraptus gracilis Zone.
Identification by B.S. Norford, G.S.C.

17e. G.S.C. Loc. No. C-45533
Locality: Quiet Lake map-area,
N61°56', W133°09'
3.2 km E of Askin Lake.
Map unit OSM; Askin Lake Section, 14-18m
Fauna: graptolite fragments
Dicellograptus sp.
diplograptid
Age: Ordovician, Caradocian to Ashgillian
Identification by B.S. Norford, G.S.C.

17f G.S.C. Loc. No. C-45530
Locality: Quiet Lake map-area
N61°56' , W133°09'
3.2 km E of Askin Lake.
Map unit OSM; Askin Lake Section, 30-32m
Fauna: diplograptids
Dicellograptus sp.
Age: Ordovician, Caradocian to Ashgillian
Identified by B.S. Norford, G.S.C.

17g. G.S.C. Loc. No. C-45531
Locality: Quiet Lake map-area,
N61°56' , W133°09'
3.2 km E of Askin Lake.
Map unit OSM; Askin Lake Section, 55-57m,
Fauna: graptolite fragments
Age: Ordovician to Silurian
Identified by B.S. Norford, G.S.C.

17h. G.S.C. Loc. No. C-45532
Locality: Quiet Lake map-area,
N61°56', W133°09'
3.2 km E of Askin Lake.
Map unit OSM; Askin Lake Section, 110-115m
Fauna: *Amplexograptus* sp.
Climacograptus ex gr. *C. - bieornis* (Hall)
Dicellograptus sp.
Dicranograptus sp.
Glossograptus sp.
diplograptid
Age: Ordovician, Caradocian to Ashgillian
-Identification by B.S. Norford, G.S.C.

17i G.S.C. Loc. No. C-45545
Locality: Quiet Lake map-area
N6l°56', W133°09'
3.2 km E of Askin Lake.
Map unit OSM; Askin Lake Section, 166-168m
Fauna: diplograptids
Dicellograptus sp.
Dicranograptus sp.
Age: Ordovician, Caradocian to Ashgillian, C. bicornis Zone to *D. complahatus ornatus* Zone.
-Identification by B.S. Norford, G.S.C.

17j. G.S.C. Loc. No. C-45544
Locality: Quiet Lake map-area,
N61°56', W133°09'
3.2 km E of Askin Lake.
Map unit Ss ; Askin Lake Section, 176m
Fauna: sponge spicules
Cyrtograptus sp.
Age: Silurian, latest Llandoverian Clate *M. spiralis* Zone) to Wenlockian
-Identification by B.S. Norford, G.S.C.

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18. G.S.C. Loc. No. 28529
Locallity: Quiet Lake map-area
N61°56'15", W133°09' .
Map unit Ss
Fauna: *Monograptus* cf. *M. priodon* (Bronn)
Monograptus cf. *M. vomerinus* Nicholson
Age: Early Silurian (late Llandoverian) or Middle Silurian (Wenlockian)
-Identification by R. Thorsteinsson, G.S.C.

19a. G.S.C. Loc. No. C-45518
Locality: Quiet Lake map-area,
N61°55'30", W133°O8'
4 km E of Askin Lake.
Map unit Ss
Fauna: *Monograptus* sp.
Age: probably Silurian
Identified by B.S. Norford, G.S.C.

19b. G.S.C. Loc. No. C-45528
Locality: Quiet Lake map-area,
N61°55'30", W133°08'
4 km E of Askin Lake.
Map unit Ss
Fauna: dendrograptid
Cyrtograptus sp.
Monograptus sp.
Age: Silurian, latest Llandoverian to Wenlockian
Identified by B.S. Norford, G.S.C.

19c. G.S.C. Loc. No. C-45536
Locality: Quiet Lake map-area,
N61°55'30", W133°08'
4 km E of Askin Lake.
Map unit Ss
Fauna: graptolite fragments
Retiolites sp.
Age: Silurian, Llandoverian to Wenlockian
Identified by B.S. Norford, G.S.C.

19d. G.S.C. Loc. No. C-53041
Locality: Quiet Lake map-area,
N6l°55'30", W133°O8'
4 km E of Askin Lake.
Map unit Ss
Fauna: leptaenid brachiopod
rhynchonellid brachiopods, 2 spp.
undetermined brachiopod
undetermined pelecypod
Age: probably Middle Silurian to Late Devonian
Identified by B.S. Norford, G.S.C.

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20. G.S.C. Loc. No. 28566
Locality: Quiet Lake map-area
N61°56'00", W133°08'30"
3.2 km E of Askin Lake.
Map unit SDB
Fauna: *Alveolites* ex gr. *A. suborbicularis* Lamarck (to index collection)
Favosites sp.
Thamnopora sp.
Age: Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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21. G.S.C. Loc. No. 28521
Locality: Quiet Lake map-area
N61°55'30", W133°06'.
Map unit Ssd
Fauna:*Monograptus* ex gr. *M. spiralis* (Geinitz)
Monograptus cf. *M. priodon* (Bronn)
Nonograptus cf. *M. voinerinus* Nicholson
Age: Early Silurian, late Llandoverian
-Identification by R. Thorsteinsson, G.S.C.

22a. G.S.C. Loc. No. 93413 (a)
Locality: Quiet Lake map-area,
N61°57', W132°59'
4.8 km WNW of Mt. Cook.
Map unit MCs
Fauna: *Shleesha* sp. cf. *S. pinguis* (Ulrich & Bassler)
productid brachiopod spines
sponge spicules
Endothyra sp.
Ostracoda
Healdia sp.
Bythocypris sp.
Amphissites sp.
Bairdiacypris sp.
Rectobairdia ? sp.
Microcheilinella ? sp.
Sansabella ? sp.
Polytylites sp.
Age: Generally the preservation of this microfauna is poor and consequently -Identifications are tentative. The fauna falls within a Permian to Carboniferous range however and most typical of the later Carboniferous (Late Mississippian to Pennsylvanian).
-Identification and comment by B.E.B. Cameron, G.S.C.

22b. G.S.C. Loc. No. 93413 (e)
Locality: Quiet Lake map-area,
N61°57', W132°59'
4.8 km WNW of Mt. Cook. in black clastic limestone. Map unit uDMBSc
Fauna: conodont fragments include:
Spathognathodus sp.
Roundya ? sp. cf. *Apatognathus* sp.
Age: Devonian.
Identified by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Bispathodus or *Rhachistognathus* sp. indet.
Ramiform elements
Colour alteration index =5
Remarks: A single anterior fragment with a lateral denticle adjacent to a central blade could be a representative of either genus
Age: Famennian through Mississippian

22c. G.S.C. Loc. No. 93413 (c)
Locality: Quiet Lake map-area,
N61°57' , W132°58'
4.8 km WNW of Mt. Cook.
Map unit uDMBSc or Dc
Fauna: *Palmatolepis* sp.
Age: Late Devonian
Identified by B.E.B. Cameron, G.S.C.

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23. G.S.C. Loc. No. 86364
Locality: Quiet Lake map-area,
N61°57', W132°58'
3.5 km NW of Mt. Cook.
Map unit: uDMBSc or Dc
Fauna: silicified brachiopod spines
bone fragments
silicified crinoid columnals
Age: Devonian
Identified by B.E.B. Cameron, G.S.C.

24a. G.S.C. Loc. No. 86354
Locality: Quiet Lake map-area,
N61°55'50", W132°49'
5.1 km E of Mt. Cook.
Map unit uDMBSc
Fauna: fragmentary conodonts.
The general outline of palmatolepids suggest *Palmatolepis subrecta* (Miller & Youngquist) (P element).
Age: Late Devonian;
Probably Upper *P. asymmetricus* Zone to Middle *P. triangularis* Zone (Ziegler, 1971). In Belgran terms, this is about early Frasnian to very early Famennian.
Collections identified by T.T. Uyeno, G.S.C.

24b. G.S.C. Loc. No. 86355
Locality: Quiet Lake map-area,
N61°56' , W132°48'
5.4 km E of Mt. Cook.
Map unit uDMBSc
Fauna: fragmentary conodonts,
undetermined palmatolepids
Age: Late Devonian
Collections identified by T.T. Uyeno, G.S.C.

25a. G.S.C. Loc. No. C-26568
Locality: Quiet Lake map-area,
N61°56' , W132°52'
2.4 km E of Mt. Cook.
Map unit-uDMBSc or Dc
Fauna: stromatoporoid?
echinoderm ossicle with single axial canal
echinoderm ossicle with double axial canal
five-sided echinoderm ossicle with single axial canal
large echinoderm ossicle with 'five-star' shaped axial canal
Age: probably late Emsian, late Early Devonian.
The 'two-holer' echinoderm ossicle present in collections 25A, 26 and 42A is widely distributed in northwestern and Arctic Canada. It occurs in beds ranging in age from late Emsian to early Eifelian. Maximum abundance of the form appears to be in beds of late Emsian [late Early Devonian) age where firmly dated by conodonts. A 'two-holer' of different shape and size is known in beds of Givetian (late Middle Devonian) age in other parts of Canada.
-Identification by A.W. Norris, G.S.C.

25b G.S.C. Loc. No. 86374
Locality: Quiet Lake map-area,
N61°56' , W132°52'
2.4 km E of Mt. Cook.
Map unit uDMBSc
Fauna: silicified fauna contains:
Ostracode steinkern (aff. *Paraparchites* sp.)
crinoid columnals
planispiral gastropod steinkern
Age: Middle to Late Palaeozoic
-Identification by B.E.B. Cameron, G.S.C.

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26. G.S.C. Loc. No. C-26565
Locality: Quiet Lake map-area,
N61°55'101', W132°43'
10.1 km ESE of Mt. Cook.
Map unit ODd
Fauna: stromatoporoid?
echinoderm ossicle with single axial canal
echinoderm ossicle with double axial canal
five-sided echinoderm ossicle with single axial canal
Age: probably late Emsian, late Early Devonian.
The 'two-holer' echinoderm ossicle present in collections 25A, 26 and 42A is widely distributed in northwestern and Arctic Canada. It occurs in beds ranging in age from late Emsian to early Eifelian. Maximum abundance of the form appears to be in beds of late Emsian (late Early Devonian) age where firmly dated by conodonts. A 'two-holer' of different shape and size is known in beds of Givetian (late Middle Devonian) age in other parts of Canada.
-Identification by A.W. Norris, G.S.C.

27a. G.S.C. Loc. No. 86363
Locality: Quiet Lake map-area,
N61°55', W132°55'
2.2 km SSE of Mt. Cook.
Map unit uTc
Fauna: fish bone teeth
Conodonts:
Metapolygnathus polygnathifomis (Budurov & Stefanov)
Age: Triassic, late Ladinian to Carnian
-Identification by B.E.B. Cameron, G.S.C.

27b. G.S.C. Loc. No. 86362
Locality: Quiet Lake map-area,
N61°55', W132°55'
2.2 km SSE of Mt. Cook summit.
Map unit uŦc
Fauna: scleractinid coral debris
fish teeth and bone
foraminifera? - fragments
conodonts:
Diplododella? sp.
Metapolygnathus polygnathiformi s (Budurov & Stefanov)
Age: Triassic: Although reported from upper Ladinian to upper Carnian strata, these forms may be more typical of the Carnian part of their range.
-Identification by B.E.B. Cameron, G.S.C.

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28. G.S.C. Loc. No. C-26564
Locality: Quiet Lake map-area,
N61°53', W132°56'30"
5.6 km SSW of Mt. Cook.
Map unit SDP
Fauna: echinoderm debris
Favosites? sp.
Ki'rkidium sp.
Age: Late Silurian, Ludlovian
-Identification by B.S. Norford, G.S.C.

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29. G.S.C. Loc. No. C-26566
Locality: Quiet Lake map-area,
N6l°5l'30", W132°59'; on NW-SE trending ridge, 3.2 km NE of Barite Mountain.
Map unit SDP
Fauna: undetermined cup coral
large and small echinoderm ossicles with single axial canals
Ancillotoechia sp.
Age: probably Early Devonian
Forms suggestive of *Ancillotoechia* are present in this collection suggesting an Early Devonian age.
-Identification by A.W. Norris, G.S.C.

30a. G.S.C. Loc. No. 28536
Locality: Quiet Lake map-area
N61°53'30", W133°04'; elevation 4900' from talus 6.4 km NW of Barite Mountain;
map unit SDP
Fauna: *Emanuella* sp. or *Ambothyris* sp. (to index collection)
Age: probably Middle Devonian
-Identification by D.J. McLaren, G.S.C

30b. G.S.C. Loc. No. 28530
Locality: Quiet Lake map-area
N61°53'30" , W133°04'; elevation 4900', 6.4 km of NW of Barite Mountain.
map unit SDP
Fauna: stromatoporoids
Thamnopora sp.
"*Nardophyllum*"?? (to index collection)
Age: Middle Devonian , Givetian
-Identification by D.J. McLaren, G.S.C.

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31. G.S.C. Loc. No. 28525
Locality: Quiet Lake map-area
N61°52'51" , W133°06'30"
6.4 km NW of Barite Mountain.
Map unit Ss
Fauna: *Coenites*? sp. indet.
Syringopora sp.
pentamerid indet.
Hormotoma? sp.
Age: probably Silurian
-Identification by T.E. Bolton, G.S.C.

32a. G.S.C. Loc. No. 28567
Locality: Quiet Lake map-area
N61°52' , W133°08'; 4.8 km NW of Barite Mountain; elevation 6000' in 200m sequence of red and brown siltstone and argillite containing G.S.C. Loc. No. 28528 (Wenlockian or Ludlovian graptolites).
Map unit Ss
Fauna: rugose coral indet.
Halycites sp. indet.
Favosites? sp. indet.
Age: probably Silurian
Collections identified by T.E. Bolton, G.S.C.

32b. G.S.C. Loc. No. 28528
Locality: Quiet Lake map-area,
N61°52', Wl33°08'.
Map unit Ss
Fauna: *Monograptus* ex gr. *M. dubius* Suess
Age: Middle or Late Silurian, Wenlockian or Ludlovian.
-Identification by R. Thorsteinsson, G.S.C.

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33. G.S.C. Loc. No. 40574
Locality: Quiet Lake map-area
N61°50'30", W133°02'30"
Barite Mountain W.
Map unit SDP
Fauna: *Trachypora* sp.
Emanuella sp. - to index collection
undetermined crushed brachiopods
corals indet.
Age: An *Emanuella* similar to this form occurs high in the Middle Devonian, that is, the Slave Point formation of the Great Slave Lake area.
-Identification by D.J. McLaren, G.S.C.

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34. G.S.C. Loc. No, 28534
Locality: Quiet Lake map-area
N61°50'50", W133°O6'; 2.4 km NNW of Barite Mountain; elevation 6700'.
Map unit SDP
Fauna: *Clathrodictyon* ? sp.
Alveolites (digitate sp.)
Thamnopora sp.
Atrypa sp. ? (etched fragments)
Age: Middle Devonian - Ramparts Formation equivalent.
-Identification by D.J. McLaren, G.S.C.

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35. G.S.C. Loc. No. 93375
Locality: Quiet Lake map-area,
N61°51' , W133°l0' .
Map unit uЄOG
Fauna: *Parabolina* ? sp.
olenid trilobites
Age: middle Late Cambrian, Franconian
-Identification by W.H. Fritz, G.S.C.

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36. G.S.C. Loc. No. 40544
Locality: Quiet Lake map-area
N6l051'00", W133°00'30"
Barite Mountain west.
Map unit SDPr
Fauna: *Cyrtiopsis* sp.
Age: Late Devonian, Famennian. *Cyrtiopsis* unquestionably indicates a Late Devonian age. The genus first appears within the Imperial Formation in the Mackenzie River basin.
-Identification by D.J. McLaren, G.S.C.

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37. G.S.C. Loc. No. C-26563
Locality: Quiet Lake map-area,
N61°52', W132°42'30"
On northern tip of ridge, 6.4 km W of Mt. Ross.
Map unit SDB
Fauna: *Amphipora* ? sp.
Coenites sp.
undetermined brachiopod
Age: Devonian
-Identification by A.W. Norris, G.S.C.

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38. G.S.C. Loc. No. 89876
Locality: Quiet Lake map-area,
N61°51'lO", Wl32°42'
4.8 km S of the mouth of Ram Creek.
Map unit uCOR
Fauna: olenid?
trilobites
Age: Late Cambrian?
Only thoracic regions of trilobites are preserved in the above collection. Parts of this type in Cordilleran rocks are most commonly found in the late Dresbachian and in the Franconian Stages. As the above material is incomplete, the age assigned to it must be considered tentative.
-Identification by W.H. Fritz, G.S.C.

39a. G.S.C. Loc. No. C-26561
Locality: Quiet Lake map-area,
N61°50'30", W132°42'
6.08 km S of mouth of Ram Creek.
Map unit SDB
Fauna: echinoderm debris
indeterminate solitary coral
Age: Middle Ordovician to Permian
-Identification by B.S. Norford, G.S.C.

39b. G.S.C. Loc. No. C-26560
Locality: Quiet Lake map-area,
N61°50'30", Wl32°42'
6 km S of the mouth of Ram Creek.
Map unit SDB
Fauna: indeterminate solitary coral
Favosites sp.
Age: Middle Ordovician to Permian
-Identification by B.S. Norford, G.S.C.

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40. G.S.C. Loc. No. C-27347
Locality: Quiet Lake map-area,
N61°49'30", W132°50'30"
14 km WSW of Mt. Ross.
Map unit SDPd
Fauna: diplograptid
graptolite fragments
Age: Early Ordovician to Early Silurian
-Identification by B.S. Norford, G.S.C.

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41. G.S.C. Loc. No. 89875
Locality: Quiet Lake map-area,
N6l°50'15", W132°37'
2.6 km SSW of Mt. Ross.
Map unit uЄOR
Fauna: one trilobite free cheek
two partial trilobite cranidia
Age: Late Cambrian?
The trilobite parts in this collection are similar to those found in abundance in the Late Cambrian *Ptchaspis-Prosaukia* Zone. Adequate material is lacking for a generic -Identification, and therefore the zonal assignment must remain tentative.
-Identification by W.H. Fritz, G.S.C.

42a. G.S.C. Loc. No. C-26567
Locality: Quiet Lake map-area,
N6l°50', Wl32°31'
4 km SE of Mt. Ross.
Map unit uDMBSc
Fauna: echinoderm ossicle with single axial canal
echinoderm ossicle with double axial canal
five-side echinoderm ossicle with single axial canal
fairly large echinoderm ossicle with 'five-star' shaped axial canal
Age: probably late Emsian, late Early Devonian.
The 'two-holer' echinoderm ossicle present in collections 42A, 25A and 26 is widely distributed in northwestern and Arctic Canada. It occurs in beds ranging in age from late Emsian to early Eifelian. Maximum abundance of the form appears to be in beds of late Emsian (late Early Devonian) age where firmly dated by conodonts. A 'two-holer' of different shape and size is known in beds of Givetian (late Middle Devonian) age in other parts of Canada.
-Identification by A.W. Norris, G.S.C.

42b. G.S.C. Loc. No. 86375
Locality: Quiet Lake map-area,
N61°50', W132°31'
In saddle 4.0 km SE of Mt. Ross.
Map unit uDMBSc
Fauna: *Pseudopolygnathus* sp.
hindeodellids
Age: Late Devonian to Early Mississippian.
The one incomplete specimen of Pseudopoly'gnath'us recovered is very similar to forms characteristically encountered in the Early Mississippian.
-Identification by B.E.B. Cameron, G.S.C.

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43. G.S.C. Loc. No. 40505
Locality: Quiet Lake map-area
N61°45'45", W132°45' .
Map unit SDP
Fauna: *Monograptus* sp. indet.
Diplograptus sensu lato sp. indet.
Age: Early Silurian, Llandoverian
-Identification by R. Thorsteinsson, G.S.C.

44a. G.S.C. Zoc. No. C-27351
Locality: Quiet Lake map-area;
N61°45'33", W132°46'
14.7 km SW of Mt. Ross.
Map unit SDPy
Fauna: algae ?
stromatoporoids
Amphipora ? sp.
Coenites ? sp.
indeterminate brachiopod fragment
Age: almost certainly Silurian or Devonian; more probably Devonian
-Identification by B.S. Norford, G.S.C.

44b. G.S.C. Loc. No. 40508
Locality: Quiet Lake map-area
N61°45'40", W132°45'30".
Map unit Ss
Fauna: *Monograptus* sp. indet.
Diplograptus sensu lato sp. indet.
Age: Early Silurian, Llandoverian
-Identification by R. Thorsteinsson, G.S.C.

44c. G.S.C. Loc. No. 36693
Locality: Quiet Lake map-area
N61°45'40", W132°45'30"
12.8 km ESE of Peak 7000'; E of Porcupine Creek.
Map unit OSv
Fauna: stromatoporoid
?*Coenites* sp.
?*Thamnopora* sp.
Age: possibly Late Silurian or Devonian
-Identification by D.J. McLaren, G.S.C.

45a. G.S.C. Loc. No. 36676
Locality: Quiet Lake map-area
N61°45', W132°45'30"; E of Porcupine Creek, 14.1 km WNW of Mount Green.
Map unit SDP
Fauna: ?*Amphipora* sp.
Age: Devonian?
-Identification by D.J. McLaren, G.S.C.

45b. G.S.C. Loc. No. 36672
Locality: Quiet Lake map-area
N61°45', W132°45'30"
E of Porcupine Creek, 13.8 km ESE of Peak 7000';
Map unit: SDP
Fauna: *Amphipora* sp.
stromatoporoids
Syringopora sp.
ghosts of corals in white dolomite
Age: probably Devonian
-Identification by D.J. McLaren, G.S.C.

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46. G.S.C. Loc. No. C-27350
Locality: Quiet Lake map-area,
N6l°45'35", W132°45'02"
14 km SW of Mt. Ross.
Map unit Ss
Fauna: diplograptid
graptolite fragments
Age: Early Ordovician to Early Silurian
-Identification by B.S. Norford, G.S.C.

47a. G.S.C. Loc. No. 93428 (a) + (b)
Locality: Quiet Lake map-area
N6l°47'30", 132°43'40"
15.2 km ESE of Porcupine Creek.
Map unit uDMBS
Fauna: radiolaria
coralline debris
bivalve debris
conodonts
Neoprioniodus spp.
Gnathodus semiglaber Bischoff
Gnathodus sp. cf. *G. antetexanus* Rexroad & Scott
Spathognathodus sp,
Hibbardella (*Roundya*) sp.
hindeodellids (various fragments)
Age: Early Carboniferous, late Tournaisian.
Polygnathus lacinatus to *G. antetexanus* - *P. lacinatus* Zones (Rhodes and Austin, 1971).
-Identification by B.E.B. Cameron, G.S.C.

The collection was re-examined by M.J. Orchard who reported as follows:-
Gnathodus pseudosemiglaber Thompson and Fellows, 1970
Doliognathus? Sp. indet.
Hindeodella segaformis Bischoff, 1957
'*Spathognathodus'* sp. indet.
Ramiform elements
Age: Late Tournaisian, Early Mississippian

47b. G.S.C. Loc. No. 93428 (c)
Locality Quiet Lake map-area,
N61°47'30", 132°43'40"
15.2 km ESE of Porcupine Creek.
Map unit uDMBS
Fauna: sponge spicules
spines (productid brachiopods?)
conodonts (predominantly fragmental):
Neoprioniodus Csp. as in G.S.C. 93428 (a)).
Bibbardella (*Roundya*) sp.
hindeodellid fragments
Age: Early Carboniferous, late Tournaisian, *Polygnathus lacinatus* to *G. antetexanus* - *P. lacinatus* Zones (of Rhodes and Austin, 1971).

This collection was re-examined by M.J. Orchard who reported as follows:-
Hindeodella segaformis Bischoff, 1957
Indeterminate ramiform elements
Age: Late Tournaisian, Early Mississippian

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48. G.S.C. Loc. No. 28556
Locality: Quiet Lake map-area,
N61°47'30", W133°37'40"
12 km NW of Mt. Green.
Map unit SDB
Fauna: very abundant *Amphipora* small sp.
Age: This collection is probably Devonian in age and likely Midd1e Devonian. The genus *Amphipora* occurs in the Silurian and Devonian Systems. Its presence, however, has not yet been reported from the Silurian rocks of Western Canada, whereas it is known to be particularly common in the Devonian. Consequently this genus is held to indicate Devonian age, in the region in question, until further evidence comes to light to deny this assumption.
-Identification by D.J. McLaren, G.S.C.

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49. G.S.C. Loc. No. 36695
Locality: Quiet Lake map-area
N61°42'40", W132°42'
12.8 km SW of Mount Ross.
Map unit SDPd
Fauna: echinoderm fragments
gastropod
solitary coirals
?*Alveolites* sp.
?*Coehites* sip.
?*Favosites* bp.
spiriferid brachiopods 2 spp.
Age: probably Devonian
-Identification by B.S. Norford, G.S.C.

50a. G.S.C. Loc. No. 40494
Locality: Quiet Lake map-area
N61°43'30", W132°40'
12.2 km W of Mount Green.
Map unit SDP
Fauna: bryozoa
echinoderm bolumnals
indeterminable rugose corals
ramose favopitids 2 spp.
indeterminable stauriid coral
Coenites sp.
Favosites sp.
Heliolites cf. *H. megastoma* (M'Coy)
Heliolites aff. *H. distans* Foerster
Age: Silurian
-Identification by B.S. Norford, G.S.C.

50b. G.S.C. Loc. No. 40507
Locality: Quiet Lake map-area,
N61°43'30", W132°40'
12.5 km W of Mount Green.
Map unit SDP
Fauna: *Favosites* sp.
Age: Silurian or Devonian
-Identification by B.S. Norford, G.S.C.

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51. G.S.C. Loc. No. 28561
Locality: Quiet Lake map-area
N61°44'30", W132°37'45"
10.4 km W of Mount Green.
Map unit SDP
Fauna: stromatoporoids
Alveolites sp.
Thamnopora sp.
digonophyllid coral (to index collection)
"*Nardophyllum*" sp. A
Age: probably Middle Devonian
-Identification by D.J. McLaren, G.S.C.

52a. G.S.C. Loc. No. C-45521
Locality: Quiet Lake map-area,
N6l°46'2O", W132°31'30"
6.4 km NW of Mt. Green.
Map unit OSM; Ram Creek Section, 93m above base
Fauna: graptolite fragments
Climacograptus? sp.
diplograptid
cf. *Pterograptus* sp.
Age: Ordovician, probably Llanvirnian
-Identification by B.S. Norford, G.S.C.

52b. G.S.C. Loc, No. C-45527
Locality: Quiet Lake map-area,
N6l°46'20", W132°31'30"
6.4 km NW of Mt. Green.
Map unit OSM, Ram Creek Section, 122,5m
Fauna: diplograptid
graptolite fragments
Phyllograptus sp.
Age: Ordovician, probably Llanvirnian
-Identification by B.S. Norford, G.S.C.

52c. G.S.C. Loc. No. C-45523
Locality: Quiet Lake map-area,
N61°46'20", W132°31'30"
6.4 km NW of Mt. Green.
Map unit OSM; Ram Creek Section, 151m
Fauna: *Dicranograptus* sp.
Diplograptid
Age: Ordovician, Llandeilian to Ashgillian, probably Caradocian
Collections identified by B.S. Norford, G.S.C.

52d. G.S.C. Loc. No. C-45525
Locality: Quiet Lake map-area,
N61°46'20", W132°31'30"
6.4 km NW of Mt. Green.
Map unit OSM; Ram Creek Section, 168m
Fauna: diplograptids
graptolite fragments
Age: probably Middle Ordovician to Early Silurian
-Identification by B.S. Norford, G.S.C.

52e. G.S.C. Loc. No. C-45538
Locality: Quiet Lake map-area,
N61°46'20", W132°31'30"
6.4 NW of Mt. Green.
Map unit OSM; Ram Creek Section, 221-225m
Fauna: diplograptid
Age> Ordovician to Silurian
-Identification by B.S. Norford, G.S.C.

52f. G.S.C. Loc. No. C-45522
Locality: Quiet Lake map-area,
N61°46'20", W132°31'30"
6.4 km NW of Mt. Green.
Map unit OSM; Ram Creek Section, 250-274m
Fauna: diplograptid
sponge spicules
Age: Ordovician to Early Silurian
-Identification by B.S. Norford, G.S.C.

52g. G.S.C. Loc. No. C-45539
Locality: Quiet Lake map-area,
N6l046'2O", W132°31'30"
6.4 km NW of Mt. Green.
Map unit Ss; Ram Creek Section, 322-325m
Fauna: *Monograptus* ex gr. i (Bronn)
M.ex gr. *M. spiralis* -(Geinitz)
Age: Silurian, latest Llandoverian; *M. - spiralis* Zone
-Identification by B.S. Norford, G.S.C.

52h. G.S.C. Loc. No. C-45520
Locality: Quiet Lake map-area,
N61°46'20", W132°31'30"
6.4 km NW of Mt. Green.
Map unit Ss; Ram Creek Section, 367-370m
Fauna: *Cyrtograptus*? sp.
Monograptus sp.
Retiolites sp.
Stomatograptus? sp.
Age: Early Silurian, probably latest Llandoverian, Monograptus spiralis Zone
-Identification by B.S. Norford, G.S.C.

52i. G.S.C. Loc. No. C-45529
Locality: Quiet Lake map-area,
N61°46'20", W132°31'30"
6.4 km NW of Mt. Green.
Map unit Ss; Ram Creek Section, 385-407.5m
Fauna: *Cyrtograptus* sp.
Monograptus sp.
M. ex gr. *M. priodon* (Bronn)
Retiolites sp.
Age: Silurian, latest Llandoverian to Wenlockian
-Identification by B.S. Norford, G.S.C.

52j. G.S.C. Loc. No. C-45526
Locality: Quiet Lake map-area,
N6l°46'20", W132°31'30"
6.4 km NW of Mt. Green.
Map unit Ss; Ram Creek Section, 430-436m
Fauna *Climacograptus* sp.
Monograptus sp.
Age: Silurian, possibly Llandoverian
-Identification by B.S. Norford, G.S.C.

53a. G.S.C. Loc. No. C-53049
Locality: Quiet Lake map-area,
N61°46', W132°31'30"
5.9 km NW of Mt. Green.
Map unit Ss; Ram Creek Section, 430-432m
Fauna: echinoderm fragments
gastropod
bryozoan
stromatoporoid
indeterminate solitary and heliolitid corals
indeterminate atrypid and
rhynchonellid
brachiopods
Pentamerus sp.
Age: Silurian, late Llandoverian
Collections identified by B.S. Norford, G.S.C.

53b. G.S.C. Loc. No. C-47995
Locality: Quiet Lake map-area,
N61°46', W132°31'30"
5.9 km NW of Mt. Green.
Map unit SDB; Ram Creek Section, 514-515m
Fauna: echinoderm fragments
gastropod
indeterminate solitary corals
Coenites sp.
Favosites sp.
Thamnopora sp.
Atrypa sp.
Lissatrypa? sp.
Pehtamerus or *Pentameroides* sp.
undetermined brachiopod
rhynchonellid brachiopods 2 spp.
Age: Silurian, late Llandoverian to Wenlockian
-Identification by B.S. Norford, G.S.C.

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54. G.S.C. Loc. No. C-53050
Locality: Quiet Lake map-area,
N61°46', W132°30'03"
6.4 km NW of Mt. Green.
Map unit SDB; Ram Creek Section, 590-704m
Fauna: *Coenites*? sp. or
Amphipora? sp. (fossils replaced by crystalline quartz)
Age: Devonian?
The dendroid stromatoporoid?, *Amphipora*, questionably present in collection 54- is common in Middle and Late Devonian rocks of western and northwestern North America. However, in other parts of the world the range of the genus is from the Silurian to Jurassic.
-Identification and comment by A.W. Norris, G.S.C.

55a. G.S.C. Loc. No. 86376
Locality: Quiet Lake map-area,
N61°45'25", W132°26'
3.5 km N of Mt. Green.
Map unit uƚH
Fauna: *Metapolygnathus polygnathiformis* (Budurov & Stefanov)
M. polygnathiformis var. (aff. *Metapolygnathus primitius (*Mosher)
Age: Generally a late Ladinian to Carnian age is indicated. The presence of forms transitional to *E. primitiva* would suggest the Carnian age is preferable.
-Identification and remarks by B.E.B. Cameron, G.S.C.

55b. G.S.C. Loc. No. 86377
Locality: Quiet Lake map-area,
6l°45'45"N, 132°27'W
4.16 km NW of Mt. Green.
Map unit uƚH
Fauna: *Metapolygnathus polygnathiformis* (Budurov & Stefanov)
*Metapolygnathus primitius (*Mosher)
Epigondolella abneptis (Huckriede)
fish teeth and bone
Age: Late Triassic, Carnian
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
*Metapolygnathus primitius (*Mosher)
Ichthyoliths
Colour alteration index = 5
Remarks: This population includes a variety of morphotypes that are known to be associated with Kerri Zone ammonoids in northeastern British Columbia.
Age: Kerri Zone, Early Norian, Late Triassic.

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56. G.S.C. Loc. No. 86378
Locality: Quiet Lake map-area,
N61°45'30", W132°27'
4 km NW of Mt. Green.
Map unit uƚH
Fauna: *Metapolygnathus polygnathiformis* [Budurov & Stefanov)
*Metapolygnathus primitius (*Mosher)
fish teeth and bone
Age: Late Triassic, late Carnian
-Identification by B.E.B. Cameron, G.S.C.

57a. G.S.C. Loc. No. 93515 (g)
Locality: Quiet Lake map-area,
N61°45'42", W132°25'54"
4 km N of Mt. Green.
Map unit uƚH, Hoole R. section 1,118m
Fauna: conodonts:
few indeterminate fragments
possibly a few *Epigondolella abneptis* (Huckriede) fragments.
Age: Triassic, Late?
-Identification by J. Jenkins, G.S.C.

57b. G.S.C. Loc. No. 93515 (h)
Locality: Quiet Lake map-area,
N6l°45'42", W132°25'24"
4 km N of Mt. Green.
Map unit uƚH; Hoole R. section 2, 37.5m
Fauna: conodonts
Neogondolella navicula navicula (Huckriede) (about 7 fragments)
Metapolygnathus polygnathiformis (Budurov & Stefanov) (5 fragments)
Age: Late Triassic, late Ladinian to early Carnian
-Identification by J. Jenkins, G.S.C.

57c. G.S.C. Loc. No. 93515 (k)
Locality Quiet Lake map-area,
N61°45'42", W132°25'54"
4 km N of Mt. Green.
Map unit uƚH; Hoole R. section 2, 60m
Fauna: fish tooth
conodonts
Neogondolella navicula navicula (Huckriede) 10 specimens and frags
*Metapolygnathus primitius (*Mosher) - 1 specimen
bar and blade fragments
Age: Late Triassic, late Carnian to early Norian
-Identification by J. Jenkins, G.S.C.

57d. G.S.C. Loc. No. 93515 (m)
Locality: Quiet Lake map-area,
N61°45'42", W132O25'54"
4 km N of Mt. Green.
Map unit uƚH; Hoole R. section 2, 68m

Fauna: spines
radiolarians
rare skeletal material
conodonts: few fragments
- possibly juvenile *Neogondolella* sp.
Age: Late Triassic
-Identification by J. Jenkins, G.S.C.

57e. G.S.C. Loc. No. 93515 (n)
Locality: Quiet Lake map-area,
N61°45'42", W132°25'54"
4 km N of Mt. Green.
Map unit uꞮH, Hoole R. section 2, 78m
Fauna: skeletal fragments
conodont fragments
Age: Triassic?
-Identification by J. Jenkins, G.S.C.

57f. G.S.C. Loc. No. 93515 (p)
Locality: Quiet Lake map-area,
N61°45'42", Wl32°25'54"
4 km N of Mt. Green.
Map unit uꞮH; Hoole R. section 2, 84m
Fauna: spines
radiolarians
bone fragments
conodonts: bar and blade fragments
Neogondolella juveniles - probably
N. navicula navicula [Huckriede)
Metapolygnathus polygnathiformis
(Budurov & Stefanov)
Age: Triassic, upper Ladinian to upper Carnian
-Identification by J. Jenkins, G.S.C.

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58. G.S.C. Loc. No. 86366
Locality: Quiet Lake map-area,
N61°45'40", W132°26'50"
3.9 km N of Mt. Green.
Map unit uꞮH
Fauna: fish teeth, bone, pellets
scolecodont
Metapolygnathus polygnathiformis
(Budurov & Stefanov)
M. sp. cf. *M. excelsa* (Mosher)
Age: Triassic, upper Ladinian to lower Carnian
Collections identified by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:
Metapolygnathus polygnathiformis
(Budurov and Stefanov) Group
Ichthyoliths

Colour alteration index = 5
Age: Carnian, Late Triassic

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59. G.S.C. Loc. No. 86369
Locality: Quiet Lake map-area,
N61°47'30", W132°23'
9 km NE of Mt. Green.
Map unit uDMBSC
Fauna: fragmentary *Palmatodella* fauna
Age: Late Devonian
-Identification by B.E.B. Cameron, G.S.C.

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60. G.S.C. Loc. No. 86370
Locality: Quiet Lake map-area,
N61°48', W132°23'
9.4 km NE of Mt. Green.
Map unit uDMBSc
Fauna: conodonts - very fragmentary
Polygnathus sp.
Hindeodella sp.
Ligonodina sp.
Prioniodina? sp.
Age: late Middle Devonian to Lower Mississippian, although the type of *Polygnathus* and *Ligonodina* are more suggestive of the Middle to Upper Devonian age.
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Polygnathus linguiformis linguiformis
Hinde
Ramiform fragments
Colour alteration index = 5
Age: Middle Devonian

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61. G.S.C. Loc. No. 86383
Locality: Quiet Lake map-area,
N61°44'30", W132°22'
4.8 km ENE of Mt. Green.
Map unit uꞮH
Fauna: *Epigondolella* sp.
fish bone
Age: Triassic, probably Late Triassic
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-

Epigondolella cf. *E. bidentata* Mosher
Colour alteration index = 5
Remarks: A single relatively small specimen that resembles the late Norian species, but it could be a small growth stage of an older species.
Age: Norian, probably late Middle or Late Triassic

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62. G.S.C. Loc. No. 86372
Locality: Quiet Lake map-area,
N6l°45', W132°17'30"
On a ridge 8.3 km NW of the mouth of Cloutier Creek;
Map unit uDMBSc
Fauna: *Cavusgnathus* sp. (fragments only)
Adetognathus sp. (possibly new species)
Remarks: Basically a new fauna and very low number of specimens.
Age: Tentatively middle Mississippian to Late Pennsylvanian.
Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Bispathodus cf. *B. aculeatus* Branson and Mehl, 1934
Clydagnathus cavusformis Rhodes, Austin and Druce, 1969
Age: Tournaisian, Early Mississipppian

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63. G.S.C. Loc. No. C-27356
Locality: Quiet Lake map-area,
N6l°44'50", W132°19'
On ridge 7.8 km ENE of Mt. Green.
Map unit MFVb
Fauna: Brachiopod
echinoderm columnals
bryozoan
?*Zaphriphyllum* sp. (poorly preserved)
Age: Probably late Tournaisian or early Visean (Osagean or early Meramecian), based on the presence of *Zaphriphyllum* sp.
The preservation of this coral does not permit definite identification. A younger Paleozoic age is possible.
-Identification by E.W. Bamber, G.S.C.

64a. G.S.C. Loc. No. 93420 (b)
Locality: Quiet Lake map-area,
N61°44 '30" , W132°18 1
8 km NW of mouth of Cloutier Creek.
Map unit Ps
Fauna: conodonts
Siphonodella sp. (juvenile of Quadruplicate group) - 1 specimen
Neoprioniodus sp. - 2 specimens
Spathognathodus sp. - 3 specimens
Polygnathus communis Branson & Mehl -1 specimen
Polygnathus sp. cf. *P. inornatus* Branson - 3 specimens
Hibbardella (*Roundya*) sp. - 1 specimen
hindeodellid fragments - 6 fragments
Age: Although this collection is rather limited in numbers, an Early Carboniferous, late Tournaisian age is indicated.
-Identification by B.E.B. Cameron.
-
This collection was re-examined by M.J. Orchard who reported as follows:-
Polygnathus cf. *communis* Branson and Mehl, 1934
Polygnathus sp. indet.
Spathognathodus? sp. indet.
Ramiform elements
Remarks: One polygnathid has slight indication of nodes/ridge on anterior platform, features characteristic of *P. communis carina*.
Age: latest Devonian through late Tournaisian

64b. G.S.C. Loc. No. 93420 (a)
Locality: Quiet Lake map-area,
N61°44'30" , W132°18'
8 km NW of mouth of Cloutier Creek.
Map unit Ps
Fauna: conodonts
Polygnathus ? sp.
Spathognathodus ? sp.
hindeodellid indet.
Age: Only a few fragments were recovered from this sample. A precise age determination is not possible but the few fragments present are suggestive of an Early Carboniferous age.
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Polygnathus cf. *P. communis* Branson and Mehl
Ramiform elements
Colour alteration index = 5
Remarks: A single platform fragment with distinctive lower side morphology.
Age: Late Devonian – Early Mississippian

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65. G.S.C. Loc. No. C-45514
Locality: Quiet Lake map-area,
N61°43'30", W132°16'30"
7 km NW of the mouth of Cloutier Creek.
Map unit Ps
Fauna: gastropod
orthotetid and rhynchonellid brachiopods
Age: Carboniferous to Permian, probably late Tournaisian or early Visean (middle Mississippian)
-Identification by E.W. Bamber, G.S.C.

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66. G.S.C. Loc. No. 90549
Locality: Quiet Lake map-area,
N61°43'30", W132°15'30"
On ridge 4 km E of Mt. Green.
Map unit uŦH
Fauna: *Monotis*? sp.
Age: probably Late Triassic, Norian
-Identification by E.T. Tozer, G.S.C.

67a. G.S.C. Loc. No. 86379
Locality: Quiet Lake map-area,
N61°43', W132°18'44"
7 km SE of Mt. Green.
Map unit uŦH
Fauna: conodont fragments only
Epigondolella sp. cf . *E. primitia* Mosher
fish teeth and bone
Age: probably Late Triassic

This collection was re-examined by M.J. Orchard who reported as follows:-
Epigondolella sp. indet.
Remarks: Two broken specimens only
Age: Norian, Late Triassic
-Identification by B.E.B. Cameron, G.S.C.

67b. G.S.C. Loc. No. 86380
Locality: Quiet Lake map-area,
N61°43'201', W132°18'441"
6.9 km E of Mt. Green.
Map unit uŦHc
Fauna: *Metapolygnathus polygnathifoymis* (Budurov & Stefanov)
fish teeth and bone
juvenile bivalve Steinkerns
Age: Triassic, late Ladinian to late Carnian, but may be more typical of the Carnian part of the range.
-Identification by B.E.B. Cameron, G.S.C.

67c. G.S.C. Loc. No. 86381
Locality: Quiet Lake map-area,
N61°43'40", W132°18'45"
6.9 km E of Mt. Green.
Map unit uŦHc
Fauna:*Neogondolella navicula navicula* (Huckriede)
N. mombergensis (Tatge)
Epigondolella mungoensis (Diebel)
Age: Middle Triassic, late Ladinian
-Identification by B.E.B. Cameron, G.S.C.

68a. G.S.C. Loc. No. 93410 (a)
Locality: Quiet Lake map-area,
N61°42'30", W132°15'
5.1 km W of the confluence of Cloutier Creek and Ketza River.
Map unit uŦH, Cloutier Creek Section, Om
Fauna: foraminifera
Lingulina? sp. - 3 specimens
conodonts
*Metapolygnathus primitius (*Mosher)- 2 specimens
Neogondolella navicula navicula (Huckriede)
-approximately 70 specimens
Neospathodus newpassensis Mosher - 9 specimens
N. - sp. - 1 specimen
Age: Late Triassic, late Carnian to early Norian. The presence of Neospathodus newpassensis suggests the Carnian age may be preferable.
-Identification by B.E.B. Cameron, G.S.C.

68b. G.S.C. Loc. No. 93410 (b)
Locality: Quiet Lake map-area,
N61°42'30", W132°15'
5.1 km W of the confluence of Cloutier Creek and Ketza River.
Map unit uŦH, Cloutier Creek Section, 4m
Fauna: foraminifera
Lingulina spp.
Nodosaria sp.
Astacolus sp.
Polymorphina? sp.
Conodonts :
Neogondolella navicula navicula (Huckriede) - approximately 200 specimens
Enantiognathus ziegleri (Diebel) - 2 specimens
Hindeodella suevica Tatge - 3 specimens
Ozarkodina tortilis Tatge - 1 specimen
Prioniodina sp. Cf. *P. latidentata* Tatge -1 specimen
Neospathodus newpassensis Mosher - 3 specimens
Age: Late Triassic. Some of the specimens of *N. navicula* tend to develop denticulated anterio-lateral platforms and thus indicate a tendency towards *Epigondolella primitia*. A Carnian age seems reasonable for this development.
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Neospathodus newpassensis Mosher
Metapolygnathus polygnathiformis (Buduorov and Stefanov) group
Ramiform elements
Colour alteration index = 5
Age: Early Carnian, Late Triassic

68c. G.S.C. Loc. No. 93410 (d)
Locality: Quiet Lake map-area,
N61°42'30", W132°15'
5.1 km W of the confluence of Cloutier Creek and Ketza River.
Map unit uŦH Cloutier Creek Section, 23m
Fauna: conodonts
Neospathodus sp. - 1 specimen
Neogondolella navicula navicula (Huckriede) - 2 specimens
Age: Late Triassic, Carnian
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Carinella mungoensis (Diebel)
Metapolygnathus polygnathiformis (Buduorov and Stefanov) group
Colour alteration index = 5
Age: Mid-late Ladinian, Middle Triassic

68d. G.S.C. Loc. No. 93410 (f)
Locality: Quiet Lake map-area,
N61°42'30", W132°15'
5.1 km W of confluence of Cloutier Creek and Ketza River.
Map unit uŦH, Cloutier Creek Section, 65m
Fauna: conodonts
Neospathodus sp. - 1 specimen
fragments cf. *N. navicula*
Age: Late Triassic, Carnian?
-Identification by B.E.B. Cameron, G.S.C.

68e. G.S.C. Loc. No. 93410 (j)
Locality: Quiet Lake map-area,
N61°42'30", W132°15'
5.1 km W of confluence of Cloutier Creek and Ketza River.
Map unit uŦH; Cloutier Creek Section, 120m
Fauna: conodonts
*Metapolygnathus primitius (*Mosher)- 2 specimens
Neogonodolella ? sp. -1 specimen
Age: Late Triassic, late Carnian to early Norian
-Identification by B.E.B. Cameron, G.S.C.

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69. G.S.C. Loc. No. 28555
Locality: Quiet Lake map-area
N6l°4l'4O", W132°29'
3.6 km SSW of Mount Green;
Elevation 6200 feet.
Map unit muDGL
Fauna: *Amphipora* large sp.
Alveolites (digitate sp.)
Emanuella sp. or *Ambuthyris* sp. (to index collection)
silicified fauna - etched from dolomite
Age: probably Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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70. G.S.C. Loc. No. 93423
Locality: Quiet Lake map-area,
N61°42', W132°37'
9 km WSW of Mt. Green.
Map unit MFVb
Fauna: productid brachiopod spines
ostracods - incl. *Rectobairdia* sp.
Conodonts:
Polygnathus communis communis Branson & Mehl
Polgnathus inornatus Branson
Gnathodus sp.
Spathognathodus spp.
Siphonodella quadruplicata (Branson & Mehl)
hindeodellids (various fragments)
Age: Early Carboniferous, *Siphonodella – Polygnathus inornatus* zone (of Rhodes and Austin-, 1971), Tournaisian.
-Identification by B.E.B. Cameron, G.S.C.

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71. G.S.C. Loc. No. 36666
Locality: Quiet Lake map-area
N61°39'40", W132°54'
7.5 km SE of Peak 6400', west of
north end of Seagull Lake.
Map unit SDBr
Fauna: *Amphipora* sp.
stromatoporoid
?*Coenites* sp.
Age: probably Devonian
-Identification by D.J. McLaren, G.S.C.

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72. G.S.C. Loc. No. 28537
Locality: Quiet Lake map-area
N61°40'30", W132°48'40"
1.6 km W of N end of south-central
Seagull Lake;elevation 6050 feet.
Map unit SDB; sandy dolomite and dolomitic sandstone,
Silicified fauna; some fragments etched out in acid: :*Thamnopora* ? sp.
coral & crinoid fragments
large poorly preserved *Atrypa* sp.
Age: probably Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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73. G.S.C. Loc. No. 36662
Locality: Quiet Lake map-area
N61°39' , W132°42'40".
Map unit SDB
Fauna: *Amphipora* sp.
Alveolites sp.
Coenites sp.
Favosites sp.
Age: probably Devonian
-Identification by D.J. McLaren, G.S.C.

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74. G.S.C. Loc. No. 28549
Locality: Quiet Lake map-area
N61°36'30", W132°40'
10.4 km ENE of Pass Peak.
Map unit SDB
Fauna: large *Favosites* corallum
collumnariid coral indet. (to index collection)
Age: probably Middle Devonian
-Identification by D.J. McLaren, G.S.C.

75a. G.S.C. Loc. No. 93510 (a)
Locality: Quiet Lake map-area,
N61°38'30" , Wl32°37'
McConnell River Section, 276m.
Map unit muDG
Fauna: ostracods: *Hollinella* sp.
Foraminifera:
Cavellina sp.
Semitextularia sp.
gastropods
crinoid columnals
spines
Age: Late Palaeozoic; to our knowledge Semitextularia is only known from Middle or Late Devonian.
-Identification by B.E.B. Cameron, G.S.C.

75b. G.S.C. Loc. No. 93510 (b)
Locality: Quiet Lake map-area,
N61°38'30", W132°37'
McConnell River Section, 324m.
Map unit muDG
Fauna: ostracods
Rectalairdia sp.
Cavellina Sp.
shell debris (brachiopod)
conularid? fragments
spines
Age: Devonian, probably Middle
-Identification by B.E.B. Cameron, G.S.C.

75c. G.S.C. Loc. No. 93510 (c)
Locality: Quiet Lake map-area,
N6l°38'30", W132°37'
McConnell River Section, 338m.
Map unit muDG
Fauna: ostracods
Cavellina sp.
spines (brachiopod)
cricoconorids (*Tentaculites* sp.)
Age: probably Devonian
-Identification by B.E.B. Cameron, G.S.C.

75d. G.S.C. Loc. No. 40572
Locality: Quiet Lake map-area
N61°38'30", W132°37'30";
Map unit muDG
Fauna: *Emanuella* sp.
Atrypa sp. cf. *A. perfimbriata* Crickmay
cup corals indeterminate
Age: *Atrypa* sp. cf. *A. perfimbriata* associated with ?*Emanuella* sp. Suggests a Middle Devonian (probably Givetian) age
-Identification by D.J. McLaren, G.S.C.

75e. G.S.C. Loc. No. 40581
Locality: Quiet Lake map-area
N61°38'30", W132°37'30".
Map unit muDG
Fauna: *Atrypa* sp.
?*Schuchertella* sp.
undetermined straight hinged coarsely costate brachiopod
Age: Middle or Late Devonian?
-Identification by D.J. McLaren, G.S.C.

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76. G.S.C. Loc. No. C-47998
Locality: Quiet Lake map-area,
N61°38', W132°37'30"
Headwaters of McConnell River.
Map unit muDG
Fauna: sponge spicule, calcareous
Coenites sp.
cup coral - to A.E.H. Pedder
gastropod - spirally coiled
gastropod - planispiral, large
Styliolina sp.
Age: The presence of *Styliolina* sp. in collection 76 indicates that the age is not older than late Siegenian of the Early Devonian. The range of the genus is from Pragian (mid Early Devonian) to Frasnian (early Late Devonian).
-Identification by A.W. Norris, G.S.C.

77a. G.S.C. Loc. No. 36701
Locality: Quiet Lake map-area
N61°39', W132°38'
9.9 km WNW of Peak 7001'
W head of McConnell River.
Map unit muDG
Fauna: *Alveolites* sp.
Cystiphylloides sp. (to index collection)
Disphyllum ? sp.
Atrypa ? sp.
Age: Middle Devonian "Harrogate" facies
-Identification by D.J. McLaren, G.S.C.

77b. G.S.C. Loc. No. 36674
Locality: Quiet Lake map-area
N61°39', Wl32°38'
from talus - 11.2 km WNW of Peak 7001';
SW of headwaters of McConnell River;
Map unit muDG
Fauna: stropheodontids
large *Atrypa* sp. cf. *A. independensis* Webster
Emmanuella ?? sp.
pelecypod indet.
Age: Middle Devonian. This fauna bears a close resemblance to the fauna of the Harrogate formation in south-eastern B.C. It is of equivalent age to the Ramparts/Nahanni formations. By analogy with the Mackenzie region it may possibly represent a Middle Ramparts horizon (i.e. 'Hare Indian River Shale')
-Identification by D.J. McLaren, G.S.C.

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78. G.S.C. Loc. No. 36664
Locality: Quiet Lake map-area
N61°38'30", W132°36'
7.2 km WNW of Peak 7001; SW of the head of McConnell River;
map unit muDG
Fauna: *Receptaculites* sp. (to index collection)
Cystiphylloides sp.
Devonoproductus sp. (to index collection)
Emmanuella sp. cf. *E. meristoides* (Meek) (to index collection)
proetid tail
Age: Middle Devonian "Harrogate" facies
-Identification by D.J. McLaren, G.S.C.

79a. G.S.C. Loc. No. 40567
Locality: Quiet Lake map-area
N61°38', W132°35'.
Map unit muDG
Fauna: *Coenites* sp.
Conodardium sp.
undetermined gastropods
undetermined brachiopod shell fragments
Age: Middle Devonian?
-Identification by D.J. McLaren, G.S.C.

79b. G.S.C. Loc. No. 40577
Locality: Quiet Lake map-area
N61°38', W132°35'.
Map unit muDG
Fauna: *Coenites* sp.
Spinatrypa sp. cf. *S. andersonensis* (Warren)
crinoid stems
cup corals
Age: The presence of *Spinatrypa sp*. cf. *S. andersonesis* (Warren) suggests a Middle Devonian, possibly Eifelian age
-Identification by D.J. McLaren, G.S.C.

79c. G.S.C. Loc. No. 40580
Locality: Quiet Lake map-area
N61°38', W132°35'.
Map unit muDG
Fauna: *Favosites* sp.
Alveolites sp.
Disphyllum sp. cf. *D. - goldfussi* (Geinitz)
(to index collection)
Hemicystiphyllum sp. A. (to index collection)
Spongophyllum sp. E (to index collection)
cup corals
Gypidula sp.
crinoid ossicles
Age: This fauna is reasonably well-preserved and diagnostic. Its age is unquestionably Late Middle Devonian (Givetian). *Spongophyllum* sp. E has been collected from the McDame-Group in the McDame map-area by Norford and Gabrielse; it is known also from the "Ramparts" and Nahanni Formations. The *Disphyllum* species is also widespread at this horizon. The presence of *Hemicystiphyllum*, reported for the first time in Canada, confirms the age assignment as Givetian.
-Identification and remarks by D.J. McLaren, G.S.C.

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80. G.S.C. Loc. No. 93509 (b)
Locality: Quiet Lake map-area,
N61°36'42", W132°23'
Near the headwaters of Cloutier Creek.
Map unit MFV
Fauna: possible foraminifera fragment
sponge spicules
conodont fragments
Siphonodella sp. ex gr. - *S. quadruplicata*
Age: Early Carboniferous, Kinderhookian
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Siphonodella sp. indet.
'*Spathognathodus*' sp. indet.
Ramiform elements
Remarks: None of these conodonts are determinable to species, but the genus Siphonodella is restricted to the
Age: Kinderhookian, Early Mississippian

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81. G.S.C. Loc. No. 93418
Locality: Quiet Lake map-area,
N61°36'30", W132°22'.
Map unit uDMBS
Fauna: conodonts
Bactrognathus sp. cf. *B. hamata* Branson
Spathognathodus comutatus Branson & Mehl
Spathognathodus spp.
Neoprioniodus lanceolatus Hass
Ozarkodina sp.
Hindeodella sp.
Hibbardella (*Roundya*) spp.
Lonchodina sp. aff. *L. furnishi*
Rexroad & Mehl
Age: Carboniferous, late Tournaisian to early Visean.
-Identification and age by B.E.B. Cameron.

This collection was re-examined by M.J. Orchard who reported as follows:-
'*Spathognathodus*' sp.
Bactrognathus hamatus Branson and Mehl, 1934
Hindeodella' segaformis Bischoff, 1957
Remarks: Identical to collection 82 re-examination
Age: Late Tournaisian, Early Mississippian

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82. G.S.C. Loc. No. 93417
Locality: Quiet Lake map-area,
N61°36'30", W132°20'30".
Map unit uDMBS
Fauna: conodonts
Bactrognathus sp. cf. *B. hamata* Branson & Mehl
Spathognathodus commutatus Branson & Mehl
Spathognathodus spp .
Neoprioniodus lanceolatus Hass
Ozarkodina sp.
Hindeodella sp.
Hibbardella (*Roundya)* spp.
Lonchodina sp. aff. *L. furnishi* Rexroad
Age: This is a very large but highly fragmented conodont collection. No index platform conodont elements were found. The collection in general however is indicative of the Early Carboniferous, either latest Tournaisian or early Visean.
-Identification and age by B.E.B. Cameron.

This collection was re-examined by M.J. Orchard who reported as follows:-
'*Spathognathodus*' sp.
Polygnathus? sp. indet.
Geniculatus? n. sp.
Hindeodella' segaformis Bischoff, 1957
Remarks: Fauna is dominated by '*Spathognthodus*' and ramiforms, the fragments of *H. segaformis* being particularly conspicuous.
Age: Late Tournaisian, Early Mississippian

83. G.S.C. Loc. No. 93409 (d)
Locality: Quiet Lake map-area,
N61°39', W132°5'
19.2 km S of Bruce Lake.
Map unit uŦH
Fauna: conodonts
Neogondolella? sp. (juvenile fragment)
Epigondolella multidentata Mosher -
- 9 specimens
*Metapolygnathus primitius (*Mosher)
- 2 specimens
Enantiognathus sp. cf. *E. ziegleri* (Diebel)
- 1 specimen
Age: Late Triassic, Norian (late early Norian to late Norian) .
-Identification and age by B.E.B. Cameron.

84. G.S.C. Loc. No. C-53407
Locality: Quiet Lake map-area,
N61°38'45", W132°04'
16 km S of Bruce Lake.
Map unit DMAS1,
Fauna: *Coenites*? sp. cf . "*Cladopora" rectilineata* Simpson
Thliborhynchia? sp.
Striatostyliolina sp.
harpid? trilobite fragments
large echinoderm ossicle with single axial canal
Age: Early Devonian, Emsian
Remarks: Coenitid-like corals of small diameter are common in the Silurian and Early Devonian of North America; those in the Middle and early Late Devonian are commonly of much larger diameter. The presence of "*Cladopora*" *rectilineata* suggests an Early Devonian age. The association of *Thliborhynchus*? sp. *Striatostyliolina*? sp. and harpid trilobite fragments suggests that this collection is of late Siegenian or more probably Emsian (late Early Devonian) age.
-Identification by A.W. Norris, G.S.C.

85. G.S.C. Loc. No. 93416
Locality: Quiet Lake map-area,
N61°37'15", W132°04'.
Map unit Ps
Fauna: conodonts
Neogondolella idahoensis (Youngquist, Hawley & Miller) - about 30- specimens
Prioniodella decrescens Tatge - about 6 specimens
Prioniodella spp.
Ellisonia tribulosa (Clark & Etherington) - various elements
Ellisonia sp.
Xaniognathus sp.
Prioniodina sp.
sponge spicules
Age: Early Permian, Leonardian
Neostreptognathodus sulcoplicatus - N. prayi Assemblage Zone of Behnken (1975) and others.
-Identification and age by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Neogondolella idahoensis Youngquist, Hawley and Miller, 1951
N. sp.indet.
*Neostreptognathodu*s sp. indet.
Undifferentiated ramiform elements
Remarks: Some ramiform elements are well preserved but none of the gondolellids are complete. A few fragments exhibit features reminiscent of *G.*

idahoensis, but others appear to be more advanced. A single fragment of a neostreptognathodid dates the fauna as no younger than Early Permian, but I think the gondolellids indicate the latest part of it.
Age: Late Early Permian (Artinskian)

86a. G.S.C. Loc. No. 93415 (b)
Locality: Quiet Lake map-area,
N61°36'33", W132°05'
22.4 km S of Bruce Lake.
Map unit uꞦH
Fauna: foraminifera
Nodosaria spp.
Dentalina spp.
Lingulina sp.
Astacolus sp.
Polymorphina sp.
Lenticulina sp.
Turrispirillina ? sp.
conodonts
Epigondolella abneptis (Huckriede)
8- specimens
Neogondolella navicula navicula
(Huckriede) 6 specimens
Neospathodus sp. 1 specimen
Epigondolella multidentata Mosher
-13 specimens
Age: Late Triassic, middle to late Norian
-Identification and age by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Epigondolella bidentata Mosher
Neogondolella sp.
Colour alteration index = 5
Remarks: Several morphotypes amongst which the bidentate forms are the most conspicuous.
Age: Late Middle or Late Norian, Late Triassic

86b. G.S.C. Loc. No. 93415 (c)
Locality: Quiet Lake map-area,
N61°36'33", W132°05'
22.4 km S of Bruce Lake.
Map unit uꞦH
Fauna: foraminifera
Lenticulina _. sp.
Astacolus sp.
Lingulina spp.
Dentalina sp.
conodonts
Epigondolella abneptis (Huckriede)
-4 specimens
Epigondolella multidentata Mosher -7 specimens
Neogondolella navicula navicula (Huckriede)
-2 specimens
hindeodellid fragments
Age: Late Triassic, middle to late Norian
-Identification and age by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Epigondolella spiculata Orchard
Colour alteration index = 4.5 - 5
Remarks: Forms close to *E. postera* occur here too, as is the case in the late Middle Norian of northeast British Columbia.
Age: Columbianus zone, late Middle Norian, Late Triassic

86c. G.S.C. Loc. No. 93415 (e)
Locality: Quiet Lake map-area,
N61°36'33", W132°05'
22.4 km S of Bruce Lake.
Map unit uꞦH
Fauna: conodonts
Epigondolella abneptis (Huckriede) -
about 400- specimens
Epigondolella multidentata Mosher -
about 200 specimens
Epigondolella sp. cf. *E. bidentata* Mosher
about 20 specimens .
Neogondolella navicula navicula (Huckriede)
about 4 specimens
Age: The development of forms referable to *E. bidentata* and the generally small size of these conodont elements are indicative of a late Norian age of the Late Triassic.
-Identification and age by B.E.B. Cameron, G.S.C.

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87. G.S.C. Loc. No. 40518
Locality: Quiet Lake map-area
N6l°32'45", W132°02'
9.6 km SE of Peak 6762'.
Map unit SDP
Fauna: *Favosites* sp.
Heliolites aff. *H. interstinctus* (Linnaeus)
Age: Silurian
-Identification by B.S. Norford, G.S.C.

88a. G.S.C. Loc. No. C-48000
Locality: Quiet Lake map-area,
N61°33' , W132°02'
9.6 km SE of Peak 6762' at base of hill.
Map unit SPv
Fauna: echinoderm debris, gastropod
Aulopora ? sp.
Coenites 2 spp.
Cystihalpsites sp.
Favosites Sp.
Heliolites sp.
indeterminate rugose corals
Ketophyllhm sp.
Microplasma cf. *M. loveniahum* Dybowski
undetermined strophomenid, rhynchonellid, atrypid, orthid and other brachiopods
Macropleura ? sp.
Pentamerus or *Pentameroides* sp.
Age: Silurian, late Llandoverian to Wenlockian
-Identification by B.S. Norford, G.S.C.

88b. G.S.C. Loc. No. 93411
Locality: Quiet Lake map-area,
N61°33', W132°02'
10.4 km SW of Peak 6562'.
Map unit SPv
Fauna: indeterminate distacodontid
- 7 fragments Ord.-Miss?)
cf. *Spathognathodus*
- 2 fragments (Sil.-Triassic)
cf. *Bryantodus*? - 1 fragment (Early Dev.-Up. Late Carb.1
indet. hindeodellid fragments
- 3 fragments (long range)
Age: Several conodont fragments were recovered from this sample, none of which are identifiable with reasonable certainty. Collectively however they are suggestive of Early or Middle Palaeozoic.
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Ozarkodina? sp. indet.
Walliserodus? sp.
Decoriconus? sp.
Panderodus sp.
Colour alteration index = 6
Age: Silurian

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89. G.S.C. Loc. No. 40520
Locality: Quiet Lake map-area
N61°34'15", W132°l4'30"
11.5 km SE of Peak 7001'.
Map unit SDB
Fauna: halysitid corals, 2 spp.
favositid coral
Thamnopora sp.
undetermined solitary coral
undetermined brachiopod
echinoderm columnals
Age: Silurian
-Identification by B.S. Norford, G.S.C.

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90. G.S.C. Loc. No. 28498
Locality: Quiet Lake map-area
N61°34'45", W132°15'30"
5.6 km WSW of Peak 6762
Elevation 6050 feet.
Map unit SDBd
Fauna: echinoderm fragments
solitary corals
ramose favositid coral
halysitid corals 3 spp.
Syringopora cf. *S. verticillata* Goldfuss
Coenites cf. *C. laminatus* (Hall)
Age; Silurian, Clintonian (late Llandoverian to early Wenlockian)
-Identification by B.S. Norford, G.S.C.

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91. G.S.C. Loc. No. 91767
Locality: Quiet Lake map-area,
N61°34'30", W132°18';
Map unit lЄm
Fauna: *Nevadella* ? sp.
Age: Cambrian, Nevadella zone?
-Identification by W.H. Fritz, G.S.C.

92a. G.S.C. Loc. No. 28512
Locality: Quiet Lake map-area
N61°32'45", W132°17"
9.2 km SW of Peak 6762;
Elevation 6,500 feet.
Map unit lЄM
Fauna: *Ajacicathus* sp.
Coscinocyathus sp.
Age: Early Cambrian
Collections identified by A.W. Norris, G.S.C.

92b. G.S.C. Loc. No. 28507
Locality: Quiet Lake map-area
N61°31'30", Wl32°18'
9.6 km ENE of Peak 6541;
Elevation 5,500 feet.
Map unit IЄM
Fauna: ?*Dendrocyathus* sp.
Age: Early Cambrian
Collections identified by A.W. Norris, G.S.C.

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93. G.S.C. Loc. No. 91701
Locality: Quiet Lake map-area
N6l°33', W132°16'32";
Map unit lЄM
Fauna: 1/2 trilobite cheek
3/4 trilobite thorax
Age: Early Cambrian
The third(?) thoracic segment on this thorax may be larger than the others. Early Cambrian thoraxes of this type are most common in the Bonnia-Olenellus Zone.
-Identification by W.H. Fritz, G.S.C.

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94. G.S.C. Loc. No. 91697
Locality: Quiet Lake map-area,
N61°32'25", W132°16'32";
Map unit lCMS
Fauna: olenellids
Age: Cambrian, Bonnia-Olenellus Zone?
-Identification by W.H. Fritz, G.S.C.

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95. G.S.C. Loc. No. C-46791
Locality: Quiet Lake map-area
N61°32', W132°12'
8.8 km SSW of Peak 6762.
Map unit OSM
Fauna: *Climacograptus* ex gr. - *C. bicornis* (Hall)
Didynosraptus sp.
diplograptid-*Dicranograptus* sp.
Glossograptus? sp.
Age: late Middle Ordovician, early Caradocian
-Identification by B.S. Norford, G.S.C.

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96. G.S.C. Loc. No. 91702
Locality: Quiet Lake map-area,
N61°30'45", W132°13';
Map unit lЄM-W
Fauna: *Ladonia*? sp.
Age: Cambrian, Bonnia-Olenellus Zone
-Identification by W.H. Fritz, G.S.C.

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97. G.S.C. Loc. No. 91768
Locality: Quiet Lake map-area,
N61°30', W132°18'
Map unit lЄM
Fauna: *Olenellus* sp.
Age: Cambrian, Bonnia-Olenellus Zone
-Identification by W.H. Fritz, G.S.C.

98a. G.S.C. Loc. No. 91703
Locality: Quiet Lake map-area,
N61°31'25", W132°23';
Map unit lЄM
Fauna: aff. *Bolmia*? sp. Fritz, 1974
Age: Cambrian, Nevadella zone?
-Identification by W.H. Fritz, G.S.C.

98b. G.S.C. Loc. No. 91704
Locality: Quiet Lake map area,
N61°31'20", W132°24.5';
Map unit uЄOG
Fauna: ollenid? trilobite
Age: Late Cambrian?
-Identification by W.H. Fritz, G.S.C.

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99. G.S.C. Loc. No. 36688
Locality: Quiet Lake map-area
N61°28', W132°39'
1.9 km NE of Peak 6570.
Map unit SDB
Fauna: columnals - large size
Brachiopod: slightly squashed
Brooksina sp. (not *B. alaskensis* Kirk, the only known species of this genus)
Age: Silurian. *B. alaslkensis* occurs in the Upper Silurian of Alaska
-Identification by T.E. Bolton, G.S.C.

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100. G.S.C. Loc. No. 40503
Locality: Quiet Lake map-area
N61°32', W132°28' .
Map unit SDBr
Fauna: Rock almost completely altered but traces of:
Coenites sp. C. ??
Favosites sp,
Syringopora sp.
Thamnopora sp.
Age: Middle Devonian, Givetian
-Identification by T.E. Bolton, G.S.C.

Collections 40491, 40509, 40522, 40515 and 40495 seem to belong to a single fauna and probably correlate with a horizon in the upper part of the Middle Devonian, i.e. Givetian Stage. This is suggested by *Coenites* sp. *C. syringopora* sp. D, and the species of *Disphyllu*m, all of which occur with undoubted Givetian forms elsewhere. Age correlation might be suggested with the Nahanni Formation, the "Upper Ramparts", and the Harrogate.

101a. G.S.C. Loc. No. 28562
Locality: Quiet Lake map-area
N61°27'15", W132°15'
14.4 km N of Mount Hogg;
elevation 6300 feet.
Map unit SDB
Fauna: *Favosites* sp.
other corals indeterminate
Age: possibly Devonian
-Identification by T.E. Bolton, G.S.C.

101b. G.S.C. Loc. No. 28564
Locality: Quiet Lake map-area
N61°27'15" , W132°15'
14.4 km N of Mount Hogg;
elevation 6100 feet.
Map unit SDB
Fauna: *Alveolites* ? sp.
Favosites sp.
Barrandeophyllm ?? sp.
Age: possibly Devonian
-Identification by T.E. Bolton, G.S.C.

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102. G.S.C. Field No.
FN74-7-Misc.1
Locality: Quiet Lake map-area,
N61°25'20" , W132°24';
Map unit lЄs
Fauna: *Holmia*? sp.
Nevadella sp.
Age: Cambrian
Remarks: *Holmia* sp. has been reported from North America. The presence of this genus has not been unquestionably documented by complete specimens that can be used for a full comparison with European material. The best collections of *Holmia*-like trilobites presently known from North America are from the White-Inyo Mountains, California and Silver Springs Range, Nevada. In the former area, it can be demonstrated that *Holmia*? sp. occurs a short distance above the base of the *Nevadella* Zone. In the MacKenzie Mountains, *Holmia*-like trilobites occur in rocks of approximately the same age in the lower beds of the Sekwi Formation.
-Identification by W.H. Fritz, G.S.C.

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103. G.S.C. Loc. No. 36691
Locality: Quiet Lake map-area
N61°20', W132°17'30"
2.7 km WSW of Mount Hogg.
Map unit SDHq
Fauna: echinoderm fragments
solitary corals
ramose favositid coral
?*Coenites* spp.
Pentmerus sp.
Atrypa parva Hume
Age: Silurian, late Llandoverian to early Wenlockian
-Identification by D.J. McLaren, G.S.C.

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104. G.S.C. Loc. No. 36675
Locality: Quiet Lake map-area
N61°19', W132°17'30"
4.5 km SW of Mount Hogg.
Map unit Ss
Fauna: favositid *Trachypora*-like tabulate
?pentamerid
Age: possibly Silurian
-Identification by D.J. McLaren, G.S.C.

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105. G.S.C. Loc. No. C-47994
Locality: Quiet Lake map-area,
N61°20', W132°17'.
Map unit Ss
Fauna: *Coenites* sp.
echinoderm ossicle with single axial canal
chrinoid stem
Age: Silurian or Devonian
-Identification by A.W. Norris, G.S.C.

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106. G.S.C. LoC. No. 40499
Locality: Quiet Lake map-area
N61°19', W132°13'
2.9 km SSE of Mount Hogg.
Map unit SDHq
Fauna: cf. *Coenites* sp.
Favosites sp.
Age: Silurian or Devonian
-Identification by B.S. Norford, G.S.C.

107a. G.S.C. Loc. No. 40498
Locality: Quiet Lake map-area
N6l°l9', W132°21'45"
3.2 km ENE of McConnell Peak.
Map unit Ss
Fauna: echinoderm columnals
undetermined solitary corals
Coenites sp.
Favosites sp.
cf. *Pentamerus* sp.
Age: Silurian, probably late Early or Middle
-Identification by B.S. Norford, G.S.C.

107b. G.S.C. Loc. No. 40497
Locality: Quiet Lake map-area
N6l°19', W132°21'451'
3.2 km ENE of McConnell Peak.
Map unit Ss
Fauna: echinoderm columnals
? sponge or stromatoporoid
undetermined colonial and solitary corals
cf. *Pentamerus* sp.
Age: Silurian, probably late Early or Middle
-Identification by B.S. Norford, G.S.C.

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108. G.S.C. Loc. No. C-53048
Locality: Quiet Lake map-area,
N6l°I9'30", W132°23'
On McConnell Peak.
Map unit SDHq; McConnell Peak Section, 540m
Fauna: cf . "*Cladopora*" *rectilineata* Simpson
small cup coral - to A.E.H. Pedder
Remarks and Age: Coenitid-like corals of small diameter are common in the Silurian and Early Devonian of North America; those in the Middle and early Late Devonian are commonly of much larger diameter. The form referred to as "*Cladopora*" *rectilineata* present in this collection suggests an Early Devonian age.
-Identification by A.W. Norris, G.S.C.

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109. G.S.C. Loc. No. 40521
Locality: Quiet Lake map-area
N61°18', W132°23'30"
2.4 km SE McConnell Peak
Map unit SDHq
Fauna: *Coenites* sp.
Age: Silurian or Devonian, probably former
-Identification by B.S. Norford, G.S.C.

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110. G.S.C. Loc. No. C-45550
Locality: Quiet Lake map-area,
N6l°19'30", W132°23'
On McConnell Peak.
Map unit Ss, McConnell Peak Section at 300m
Fauna: *Climacograptus* sp.
Monograptus Sp.
Age: Silurian, probably Llandoverian
-Identification by B.S. Norford, G.S.C.

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111. G.S.C. Loc. No. 28499
Locality: Quiet Lake map-area,
N61°15', W133°18'30"
4.4 km SW of mouth of Big Salmon Lake;
Map unit ODNc
Fauna: recrystallized fossil fragmental rock with large coral fragments, mainly unrecognizable.
Favosites sp.
Hexagonaria ? sp.
crinoid stems
Age: Devonian?
-Identification by B.S. Norford, G.S.C.

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112. G.S.C. Loc. No. 93503
Locality: Finlayson Lake map-area,
N61°32', Wl3l°53';
Map unit uŦH
Fauna: fish teeth
bivalve fragments
bone fragments
conodonts:
Epigondolella abneptis (Huckriede)
*Metapolygnathus primitius (*Mosher)
Age: Late Triassic, early Norian
-Identification by B.E.B. Cameron, G.S.C.
- -
This collection was re-examined by M.J. Orchard who reported as follows:-
Epigondollela multidentata Mosher
transitional to *E*. n. sp. C
Colour alteration index = 4.5-5
Age: Middle Norian, Late Triassic

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113. G.S.C. Loc. No. 40514
Locality: Finlayson Lake map-area
N61°25'30", W13l°55'30"
14.7 km WSW of Peak 6747'.
Map unit SDBr
Fauna: poorly preserved halysitid coral
Age: Ordovician or Silurian, probably latter.
-Identification by B.S. Norford, G.S.C.

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114. G.S.C. Loc. No. 36707
Locality: Finlayson Lake map-area
N61°24'30", W13l°5l'30"
12.5 km WSW of Peak 6747', W of McNeil River.
Map unit SDBr
Fauna: phaceloid coral - too poorly preserved for -Identification
halysitid coral - Catenipora sp. rather than *Halysites* sp.
Age: Silurian
-Identification by T.E. Bolton, G.S.C.

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115. G.S.C. Loc. No. 36702
Locality: Finlayson Lake map-area
N61°24'40" , W13l°53'
12.8 km WSW of Peak 6747, N of McNeil River.
Map unit SDBr
Fauna: echinoderm fragments
gastropods
Cystihalysites sp.
solitary corals
dalmanellid brachiopods
?*Homoeospira* sp.
?*Pentamerus* sp.
straight cephalopod
Age: Silurian
-Identification by B.S. Norford, G.S.C.

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116. G.S.C. Loc. No. 36703
Locality: Finlayson Lake map-area
N61°24'20", W13l°53'15"
12.5 km WSW of Peak 6747;
W of McNeil River.
Map unit SDBr
Fauna: *Favosites* sp.
Age: Late Silurian to Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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117. G.S.C. Loc. No. 40504
Locality: Finlayson Lake map-area
N61°24'30", W13l°47'
8.8 km SW of Peak 6747.
Map unit SDBr
Fauna: echinoderm columnals
indeterminable solitary and colonial rugose corals
cf. *Halysites* or *Cystihalysites* sp.
Favosites sp.
Favosites aff. *F. favosus* (Goldfuss)
Age: Silurian, possibly late Llandoverian
-Identification by B.S. Norford, G.S.C.

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118. G.S.C. Loc. No. 40492
Locality: Finlayson Lake map-area
N61°29'30", W13l°44'
4 km NW of Peak 6747.
Map unit SPd
Fauna: indeterminable solitary coral
ramose favositid
Coenites aff. *C. rectilineatus* (Simpson)
Age: probably Silurian
Collections identified by B.S. Norford, G.S.C.

119a. G.S.C. Loc. No. 36700
Locality: Finlayson Lake map-area
N61°28', W13l°4l'30"
1.1 km W of Peak 6747.
Map unit muDG
Fauna: *Coenites* sp.
Favosites cf. sp. C
Syringopora sp. D (to index collection)
Ontaria sp.
abundant large gastropods indet.
Age: Middle Devonian
-Identification by D.J. McLaren, G.S.C.

119b. G.S.C. Loc. No. 36686
Locality: Finlayson Lake map-area
N61°28', W13l°41'30"
1.1 km W of Peak 6747', overlies G.S.C. Loc. 36700.
Map unit muDG
Fauna: *Coenites* sp. C
Syringopora sp. D (to index collection)
Age: Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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120. G.S.C. Loc. No. 40491
Locality: Finlayson Lake map-area
N61°26'24", W13l°33'24" ;
Map unit muDG
Fauna: Amphipora sp.
Coenites sp. C
Syringopora sp. D
large pelecypods indet.
gastropod traces
Age: Middle Devonian, Givetian
-Identification by D.J. McLaren, G.S.C.

Collections 40491, 40509, 40522, 40515 and 40495 seem to belong to a single fauna and probably correlate with a horizon in the upper part of the Middle Devonian, i.e. Givetian Stage. This is suggested by *Coenites* sp. C. *Syringopora* sp. D, and the species of *Disphyllum*, - all of which occur with undoubted Givetian forms elsewhere. Age correlation is suggested with the Nahanni Formation, the "Upper Ramparts", and the Harrogate.

121. G.S.C. Loc. No. 40509
Locality: Finlayson Lake map-area
N61°25'36", W13l°34'10" ;
Map unit muDgl
Fauna: stromatoporoids
Alveolites sp.
Favosites sp. indet.
Syringopora sp.
Age: Middle Devonian, Givetian
-Identification by B.S. Norford, G.S.C.

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122. G.S.C. Loc. No. 40522
Locality: Finlayson Lake map-area
N61°25'30" , W13l°33'42" ;
Map unit muDG
Fauna: digitate stromatoporoids
Coenites sp. C
Age: Middle Devonian, Givetian
-Identification by B.S. Norford, G.S.C.

123a. G.S.C. Loc. No. C-45539
Locality: Finlayson Lake map-area,
N61°23'42", Wl3l°31'
13.3 km ENE of the N end of McNeil Lake;
Map unit OSM; Hoole River Section 1, 153-165m, float.
Fauna: graptolite fragments
diplograptid
Dicellograptus? sp.
Glossograptus sp.
Age: Ordovician, probably Caradocian
-Identification by B.S. Norford, G.S.C.

123b. G.S.C. Loc. No. C-45543
Locality: Finlayson Lake map-area,
N61°23'42", W13l°31'
13.3 km ENE of the N end of McNeil Lake.
Map unit OSM; Hoole River Section 1, 190-195m.
Fauna: diplograptid
Climacograptus sp.
Glossograptus. sp.
Glyptograptus sp.
Leptograptus sp.
Age: Ordovician, Caradocian to Ashgillian
-Identification by B.S. Norford, G.S.C.

123c. G.S.C. Loc. No. 45545
Locality: Finlayson Lake map-area,
N61°23'42", W13l°31'
13.3 km ENE of the N end of McNeil Lake.
Map unit OSM; Hoole River Section 1, 205-209m.
Fauna: graptolite fragments
Climacograptus sp.
Dicellograptus sp.
Glossograptus sp.
Glyptograptus sp.
indeterminate fossil
Age: Ordovician, probably Caradocian, possibly Ashgillian.
-Identification by B.S. Norford, G.S.C.

123d. G.S.C. Loc. No. C-45541
Locality: Finlayson Lake map-area,
N61°23'42", W13l°31'
13.3 km ENE of the N end of McNeil Lake;
Map unit OSM; Hoole River Section 1, 219-22lm.
Fauna: diplograptid
Climacograptus sp.
Dicellograptbs sp.
Glgptograptus? sp.
Leptograptus sp.
Nemagraptus sp.
Age: Ordovician, late Llandellian to early Caradocian, *Nemagraptus gracilis* Zone
-Identification by B.S. Norford, G.S.C.

123e. G.S.C. Loc. No. C-45540
Locality: Finlayson Lake map-area
N61°23'42", W13l°31'
13.3 km ENE of the N end of McNeil Lake.
Map unit OSM ; Hoole River Section 1 at 328m.
Fauna: graptolite fragments
diplograptid
Climacograptus ex gr. *C. bicornis* (Hall)
Age: Ordovician, Caradocian
-Identification by B.S. Norford, G.S.C.

123f. G.S.C. Loc. No. C-45548
Locality: Finlayson Lake map-area,
N61°23'42", W13l°31'
13.3 km ENE of the N end of McNeil Lake;
Map unit OSM; Hoole River Section 1, 500-505m.
Fauna: diplograptid
Dicellograptus 2 spp.
Age: Ordovician, Caradocian to Ashgillian, probably Ashgillian
Collections identified by B.S. Norford, G.S.C.

123g. G.S.C. Loc. No. C-45547
Locality: Finlayson Lake map-area,
N61°23'42" , W13l°31'
13.3 km ENE of the N end of McNeil Lake;
Map unit Ss; Hoole River Section 1, 624-663m.
Fauna: *Climacograptus* sp.
Cyrtogrytus sp.
Dendrograptus? sp.
Glyptograptus sp.
Monograptus sp.
M. ex gr. *M. pridon* (Bronn)
M. ex gr. *M. spiralis* (Geinitz)
Stomatograptus sp.
Age: Silurian, latest Llandoverian, late *M.spiralis* Zone.
-Identification by B.S. Norford, G.S.C.

123h. G.S.C. Loc. No. C-45549
Locality: Finlayson Lake map-area,
N61°23'24", W13l°31'
13.3 km ENE of the N end of McNeil Lake.
Map unit Ss; Hoole River Section 1 at 690m.
Fauna: *Cyrtograptus* sp.
Monograptus sp.
Age: Silurian, latest Llandoverian (late *M. spiralis* Zone) to Wenlockian
-Identification by B.S. Norford, G.S.C.

123i. G.S.C. Loc. No. C-53045
Locality: Finlayson Lake map-area,
N61°24'30", W13l°34'
13.3 km NE of N end of McNeil Lake.
Map unit Osv; Hoole River Section 2, 0-6m.
Fauna: echinoderm debris
undetermined brachiopods
aff. *Tannuspirifer* sp.
indeterminate solitary coral
Favosites sp.
Halysites sp.
Palaeofavosites sp.
Age: Silurian, probably Wenlockian to Pridolian
-Identification by B.S. Norford, G.S.C.

123j. G.S.C. Loc. No. C-47999
Locality: Finlayson Lake map-area,
N61°24'30", W13l°34'
13.3 km NE of N end of McNeil Lake.
Map unit Osv; Hoole River Section 2, 28-42m.
Fauna: *Atrypa* sp.
pentamerid and undetermined brachiopods
undetermined solitary corals
Coenites sp.
Cystihalysites sp.
Favosites 2 spp.
cf. *Fletcheria* sp.
Heliolites 2 spp.
echinoderm fragments
Age: Silurian, probably late Llandoverian
-Identification by B.S. Norford, G.S.C.

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124. G.S.C. Loc. No. C-46850
Locality: Finlayson Lake map-area,
N61°24'50", W13l°34'15" ;
Map unit OSM
Fauna: diplograptid
Climacograptus sp.
Glossograptus sp.
Age: Middle Ordovician, Llanvirnian to Caradocian
-Identification by B.S. Norford, G.S.C.

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125. G.S.C. Loc. No. C-46800
Locality: Finlayson Lake map-area,
N61°24'20", W13l°33'15".
Map unit OSM
Fauna: *Climacograptus* sp.
Dicellograptus sp.
Dicranograptus sp.
diplograptid
Age: late Middle Ordovician, Caradocian
Collections identified by B.S. Norford, G.S.C.

126a. G.S.C. Loc. No. C-46799
Locality: Finlayson Lake map-area,
N61°23'50", W13l°32'30".
Map unit OSM
Fauna: *Climacograptus* sp.
Dicellograptus sp .
diplograptid
Age: Ordovician, Llandeilian to Ashgillian
-Identification by B.S. Norford, G.S.C.

126b. G.S.C. Loc. No. C-46798
Locality: Finlayson Lake map-area,
N61°23'45", W13l°28'50";
Map unit OSM
Fauna: *Climacograptus* sp.
Dicellograptus sp.
diplograptid
Age: Ordovician, Llandeilian to Ashgillian
-Identification by B.S. Norford, G.S.C.

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127. G.S.C. Loc. No. C-46797
Locality: Finlayson Lake map-area,
N61°23'50", W13l°28'50" ;
Map unit Ss
Fauna: *Monograptus*? sp.
M. ex gr. *M. spiralis* (Geinitz)
Retiolites? sp.
Age : Early Silurian, late Llandoverian, *Nonograptus spiralis* Zone.
-Identification by B.S. Norford, G.S.C.

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128. G.S.C. Loc. No. C-46796
Locality: Finlayson Lake map-area,
N61°25'28", W13l°29'10" ;
Map unit Ss
Fauna: *Climacograptus*? sp.
Nonograptus? sp.
M. ex gr. *M. spiralis* (Geinitz)
Age : Early Silurian, late Llandoverian, *Monograptus spiralis* Zone.
-Identification by B.S. Norford, G.S.C.

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129. G.S.C. Loc. No. C-46788
Locality: Finlayson Lake map-area,
N61°23'20", W13l°31'15".
Map unit OSM
Fauna: graptolites:
Climacograptus sp.
Age: Middle Ordovician to Early Silurian
-Identification by B.S. Norford, G.S.C.

130a. G.S.C. Loc. No. C-46784 (b)
Locality: Finlayson Lake map-area,
N61°24'50", Wl3l°34'15".
Map unit OSM
Fauna: graptolite fragments
Phyllograptus sp.
Age: Early to Middle Ordovician, probably Arenigian to Llanvirnian.
-Identification by B.S. Norford, G.S.C.

130a. G.S.C. Loc. No. C-46784 (a)
Locality: Finlayson Lake map-area,
N61°24'50", W13l°34'15".
Map unit OSM
Fauna: diplograptid
Climacograptus sp.
Age: Middle Ordovician to Early Silurian
-Identification by B.S. Norford, G.S.C.

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131. G.S.C. Loc. No. 93501
Locality: Finlayson Lake map-area
N61°31'20", W131°46' ;
Map unit uTH
Fauna: *Neogondolella* sp.
1 foraminifera?
Age: Triassic, probably Late
-Identification by B.E.B. Cameron, G.S.C.

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132. G.S.C. Loc. No. 91787
Locality: Finlayson Lake map-area, N61°231301t, W13lo28'3Ott;
Map unit uDMBS
Fauna: rugose coral
ammonoids
Age: late Middle Ordovician to Permian
-Identification by E.W. Bamber, G.S.C

133a. G.S.C. Loc. No. 91785
Locality: Finlayson Lake map-area, N61°24'30", W13l°28'3O";
map unit uTH
Fauna: *Monotis* sp.
Age: Triassic, late middle Norian (Columbianus Zone)
-Identification by E.T. Tozer, G.S.C.

133b. G.S.C. Loc. No. 91786
Locality: Finlayson Lake map-area,
N61°24'30",W13l°28'30";
Map unit uTH
Fauna: 2 crushed ammonids,
probably *Juvavites* (s.s.) sp.
Age: Triassic, probably middle Norian, Magnus Zone
-Identification by E.T. Tozer, G.S.C.

134a. G.S.C. Loc. No. 36673
Locality: Finlayson Lake map-area
N61°20' , W131°54'15"
2.4 km NE of lower end of Upper McNeil Lake.
Map unit SDHq
Fauna: ramose and digitate stromatoporoids
Coenites sp.
Age: Late Silurian or Devonian
-Identification by D.J. McLaren, G.S.C.

134b. G.S.C. Loc. No. 36669
Locality: Finlayson Lake map-area
N61°20', W131°54'15"
4.8 km W of N end of Upper McNeil Lake
Map unit: SDHq
Fauna: digitate stromatoporoid
Gypidula sp.
Age: Silurian or Devonian
-Identification by D.J. McLaren, G.S.C.

134c. G.S.C. Loc. No. 36689
Locality: Finlayson Lake map-area
N61°20' , W13l°54'15"
6.4 km W of N end of Upper McNeil Lake
map unit: SDHq
Fauna: *Favosites* sp. G. (squamulate form) [to index collection)
Age: Late Silurian to Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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135. G.S.C. Loc. No. 93505
Locality: Finlayson Lake map-area,
N61°16', W13l°58'30" ;
Map unit: uŦH
Fauna: conodonts
Neogondolella sp. (juveniles) (Budurov & Stefanov) - 1 specimen
few conodont fragments
Age: Triassic, probably Late
-Identification by B.E.B. Cameron, G.S.C.
--
This collection was re-examined by M.J. Orchard who reported as follows:-
Neogondolella cf. *N. regale* Mosher *sensu lato*
N. sp.
Colour alteration index = 4
Age: Middle Triassic, probably Anisian
-Identification by B.E.B. Cameron, G.S.C.

136a. G.S.C. Loc. No. 93527 (b)
Locality: Finlayson Lake map-area,
N61°17'30", W13l°45'24";
map unit: uŦH
Fauna: trace of skeletal material
foraminifera
bivalves
conodonts
2 juveniles - *Neogondolella navicula navicula* (Huckriede) ?
Age: Late Triassic
-Identification by B.E.B. Cameron, G.S.C.

136b. G.S.C. Loc. No. 93527 (g)
Locality:Finlayson Lake map-area, N61°17'30", W13l°45'24" ;
Map unit: uŦH
Fauna: frosted sand white pellets
trace of skeletal material
conodonts:
Epigondolella abneptis (Huckriede)
*Metapolygnathus primitius (*Mosher)
numerous conodont fragments
Age: Late Triassic, early Norian
-Identification by B.E.B. Cameron, G.S.C.

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137. G.S.C. Loc. No. 40529
Locality: Finlayson Lake map-area N6l°17'15", W13l°41'40"
4.8 km SW of Peak 6656, about 14 km SE of McNeil Lake
map unit: SDH
Fauna: digitate stromatoporoids
Amphipora sp.
Cladopora sp.
undetermined cup coral
undetermined gastropods
crinoid ossicles
Age: Devonian
-Identification by D.J. McLaren, G.S.C.

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138. G.S.C. Loc. No. 93436
Locality: Finlayson Lake map-area,
N6l°17' , W13l°44'30" ;
Map unit: uŦH
Fauna: pellets
spines
fish debris
bone fragments
radiolarians
nodosarid foraminifer
conodonts:
Metapolygnathus polygnathiformis (Budurov & Stefanov) - approximately 100 good specimens
plus many M. *polygnathiformis* fragments
few unidentifiable blade fragments
Age: Late Triassic, late Ladinian to late Carnian. Abundance of this form suggests a late Carnian age may be preferable.
-Identification by B.E.B. Cameron, G.S.C.
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This collection was re-examined by M.J. Orchard who reported as follows:-
Metapolygnathus polygnathiformis (Buduoror & Stefanor) group
Ramiforms, undifferentiated
Colour alteration index = 4.5
Age: Carnian, Late Triassic

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139. G.S.C. Loc. No. 93435
Locality: Finlayson Lake map-area,
N61°14', W131°47'
12.8 km SW of Peak 6656'
Map unit: uŦH
Fauna: fish tooth
conodonts
juvenile *Neogondolella* – approximately 20 specimens (probably *N.* – *navicula navicula* (Huckriede))
1 unidentifiable juvenile platform
Enantiognathus ziegleri (Diebel)
Ozarkodina sp.
Neospathodus sp.
conodont bar and blade fragments
Age: Late Triassic, Carnian or Norian
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:
Neogondolella regale Mosher *senso lato*
N. sp.
Ramiforms, undifferentiated
Colour alteration index = 4
Age: Anisian, Middle Triassic

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140. G.S.C. Loc. No. C-53046
Locality: Finlayson Lake map-area
N61°13', W131°43'30";
Map unit muDGL
Fauna: *Amphipora*? sp.
Age: Devonian, Middle to Late

Remarks: The dendroid stromatoporoid *Amphipora* is common in Middle and Late Devonian rocks of western and northwestern North America. In other parts of the world, however, the range of the genus is from the Silurian to Jurassic.

-Identification by A.W. Norris, G.S.C.

141. G.S.C. Loc. No. 36692
Locality: Finlayson Lake map-area
N61°10', W131°46'
above thrust 3.2 km S of Indigo Lake
Map unit: SDH
Fauna: *Amphipora*? and fragments of other stromatoporoids
?*Alveolites* sp.
?*Coehites* sp.
?favositid
non-columellate phaceloid coral - *disphyllid*?
patelloid rugose coral indet.
costate brachiopod fragment
Age: probably Devonian, possibly Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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142. G.S.C. Loc. No. C-44516
Locality: Finlayson Lake map-area,
N61°11'42", W13l°41'3O";
Map unit Ss
Fauna: *Monograptus* sp.
Age: Silurian
-Identification by B.S. Norford, G.S.C.

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143. G.S.C. Loc. No. 93443 (b)
Locality: Finlayson Lake map-area,
N61°14'06", W131°37';
Map unit uŦH
Fauna: silicified spheres
conodonts
Neogondolella navicula navicula (Huckriede) 10 good specimens
many juvenile *Neogondolella* sp. and *N. navicula* and *N. navicula* fragments
Enantiognathus sp.
some conodont bars and blade fragments
fish tooth
Age: Late Triassic, Carnian or Norian
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Neogondolella constricta (Mosher & Clark)
Ramiforms, undifferentiated
Colour alteration index = 4.5
Age: Late Anisian – Early Ladinian, Middle Triassic

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144. G.S.C. Loc. No. 93440
Locality: Finlayson Lake map-area,
N61°14'54", W131°34'54" ;
Map unit uƚH
Fauna: spines
pyritized bivalves
conodonts:
Neogondolella navicula navicula (Huckriede)1 specimen
2 juvenile *Neogondolella* sp.
nodosarid foraminifer
few radiolarians (as in sample 93439)
Age: Late Triassic, Carnian or Norian
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Carinella sp.
Neogondolella. sp.
Colour alteration index = 4.5
Age: Ladinian, Middle Triassic

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145. G.S.C. Loc. No. 93439
Locality: Finlayson Lake map-area,
N61°14'18", W131°34'54";
Map unit uƚH
Fauna: spines
pyritized bivalves
radiolarians
Age: Triassic?
-Identification by B.E.B. Cameron, G.S.C.

146a. G.S.C. Loc. No. 93442
Locality: Finlayson Lake map-area,
N61°14'54", W131°37'
Map unit uƚH
Fauna: conodonts
Neogondolella or *Metapolygnathus* sp. fragment
Age: Late Triassic?
-Identification by B.E.B. Cameron, G.S.C.
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This collection was re-examined by M.J. Orchard who reported as follows:-
Gondolellid indet.
Colour alteration index = 4.5?
Remarks: A single posterior platform fragment
Age: Middle or Late Triassic, probably Carnian.

146b. G.S.C. Loc. No. 93444
Locality: Finlayson Lake map-area,
N6l°14'36", FW131°37'
Map unit uƚH
Fauna: pellets
bivalves
ammodiscoid foraminifers
2 radiolarians
rare fish? debris
Age: Late Triassic
-Identification by B.E.B. Cameron, G.S.C.

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147. G.S.C. Loc. No. 93438
Locality: Finlayson Lake map-area,
N61°14'12", Wl3l°34'54"
Map unit uƚH
Fauna: small pyritized bivalves
sponge spicules
radiolarians
1 small fragment - possibly conodont
foraminifers
Ammodiscus? sp.
Nodosaria? sp.
Age: Late Triassic
-Identification by B.E.B. Cameron, G.S.C.

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148. G.S.C. Loc. No. C-53043
Locality: Finlayson Lake map-area,
N61°17'15", W13l°41'40"
Map unit SDH
Fauna: *Amphipora*? sp.
Coenites sp.
echinoderm ossicle with single axial canal
Age: Devonian, Middle to Late
Remarks: The dendroid stromatoporoid?, *Amphipora*, is common in Middle and Late Devonian ross of western and northwestern North America. In other parts of the world, however, the range,of the genus is from the Silurian to Jurassic.
-Identification by A.W. Norris, G.S.C.

149a. G.S.C. Loc. No. 40495
Locality: Finlayson Lake map-area
N61°25'30", Wl3l°29'20";
Map unit SS
Fauna: *Amphipora* sp.
Coenites sp.
Favosites sp. indet.
Age: Middle Devonian, Givetian
Remarks: Collections 40491, 40509, 40522, 40515 and 40495 seem to belong to a single fauna and probably correlate with a horizon in the upper part of the Middle Devonian, i.e. Givetian Stage. This is suggested by' *Coenites* sp. C,. *Syringopora* sp. D, and the species of *Disphyllum*, all of which occur with undoubted Givetian forms elsewhere. Age correlation might be suggested with the Nahanni Formation, the "Upper Ramparts", and the Harrogate.
-Identification by D.J. McLaren, G.S.C.

149b. G.S.C. Loc. No. 40515
Locality: Finlayson Lake map-area
N61°25'24", W131°33'
Map unit Ssd
Fauna: *Disphyllum* cf. - *D. goldfussi* (Geinitz]
Age: Middle Devonian, Givetian
Remarks: Collections 40491, 40509, 40522, 40515 and 40495 seem to belong to a single fauna and probably correlate with a horizon in the upper part of the Middle Devonian, i.e. Givetian Stage. This is suggested by *Coenites* sp. C, *Syringopora* sp. D, and the species of *Disphyllm*, all of which occur with undoubted Givetian forms elsewhere. Correlation might be suggested with the Nahanni Formation, the "Upper Ramparts", and the Harrogate.

150. G.S.C. Loc. No. 40533
Locality: Finlayson Lake map-area N61°19'15", W13l°30'
Map unit SDBr
Fauna: undet. ? productellid
Camarotoechia sp.
Cyrtiopsis sp.
undet. ? cephalopod
Age: Late Devonian (Famennian)
Remarks: This fauna is present in the upper part of the Imperial Formation of the lower Mackenzie basin and in the Palliser Group of the front ranges of the Canadian Rocky Mountains.
-Identification by D.J. McLaren, G.S.C.

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151. G.S.C. Loc. No. C-47996
Locality: Finlayson Lake map-area,
N6l°l8' , W13l°27'
Map unit SDBr
Fauna: Echinoderm debris
pentamerid brachiopod
Catenipora? sp.
indeterminable rugose corals
Age: Silurian
-Identification by B.S. Norford, G.S.C.

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152. G.S.C. Loc: No. C-46790
Locality: Finlayson Lake map-area,
N61°15', W131°33'30"
Map unit SDH
Fauna: undetermined fossil
echinoderm debris
indeterminate solitary coral
Spinatrypa sp.
Age: Middle Silurian (Wenlockian) to Late Devonian (Frasnian), probably Middle or Late Silurian
Remarks: The material is poorly preserved but the biconvex nature of the *Spinatrypa* indicates Silurian rather than Devonian age. *Spinatrypa* is not characteristic of Llandoverian faunas.
-Identification by B.S. Norford, G.S.C.

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153. G.S.C. Loc. No. C-45515
Locality: Finlayson Lake map-area,
N61°11' , W131°26'
Map unit OSM
Fauna: *Didymograptus* sp.
Phyllograptus sp.
Tetragraptus sp.
Age: Ordovician, Arenigian to Llanvirnian
Collections identified by B.S. Norford, G.S.C.

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154. G.S.C. Loc. No. 40535
Locality: Finlayson Lake map-area
N6l°10'30", W13l°26'
27.2 km SE of McNeil Lake
Map unit SDH
Fauna: ?*Aulopora* sp.
large crinoid ossicles
Age: probably Devonian
-Identification by D.J. McLaren, G.S.C.

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155. G.S.C. Loc. No. C-41894
Locality: Finlayson Lake map-area,
N6I°20'30", W131°20'
Map unit MC
Fauna: trilobite pygidium
hapsiphyllid coral, probably new genus
?*Prospira* sp.
orthotetid, productoid, spiriferid, and rhynchonellid
brachiopods - poorly preserved
Age: Carboniferous or Permian; probably late Tournaisian or early Visean (middle Mississippian)
-Identification by. E.W. Bamber, G.S.C.

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156. G.S.C. Loc. No. 93479
Locality: Finlayson Lake map-area,
N61°16'24", W13l°13'
Map unit SDBC
Fauna: sponge spicules
juvenile brachiopod (inarticulate)
conodont fragments
Paltodus sp.
Oistodus sp.
Age: Ordovician, probably Middle to Late
-Identification by B.E.B. Cameron, G.S.C.

157a. G.S.C. Loc. No. 94370
Locality: Finlayson Lake map-area,
N61°15', Wl3l°12' ;
Map unit uЄOR
Fauna: *Symphysurina* sp.
Jujuyaspis borealis Kobayashi
Geragnostus (s.l.) sp.
Age: Early Ordovician, (Nevada zone A)
-Identification by W.H. Fritz, G.S.C.
Remarks by W.T. Dean on fossils from localities 94370, 94371, 94372, 94373, 94379, 94380: "All the mentioned samples are of early Ordovician age and may be assigned to Zone A, using the system of lettered zones in Utah and Nevada. By analogy with the Banff-Jasper region, the rocks
may be correlated with the highest part of the basal silty member or the lowest third of the
putty shale member of the Survey Peak Formation."
(Reference: W.T. Dean, GSC Paper 76-34, 1978)

157b. G.S.C. Loc. No. 94371
Locality: Finlayson Lake map-area,
N61°15' , W13l°12'
Map unit uЄOR
Fauna: *Symphysurina* sp.
Jujuyaspis borealis Kobayashi [abundant)
Geragnostus (s.l.) sp.
Glyptotrophia sp.
Age: Early Ordovician, (Nevada zone A)
-Identification by W.H. Fritz, G.S.C.
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157C. G.S.C. Loc. No. 94380
Locality: Finlayson Lake map-area
N61°15', Wl3l°12'
Map unit uЄOR
Fauna: *Clelandia* sp.
Geragnostus (s.l.) sp.
Jujuyaspis sp.
Symphysurina cf. *S. woosteri* Ulrich
Age: Early Ordovician, (Nevada zone A)
-Identification by W.H. Fritz, G.S.C.

157d. G.S.C. Loc. No. 94372
Locality: Finlayson Lake map-area,
N61°15', W13l°12'
Map unit uЄOR
Fauna: *Symphysurina* sp. (Two forms present, with and without pygidial spine).
Geragnostus? sp. (preservation poor)
Age: Early Ordovician, (Nevada zone A)
-Identification by W.H. Fritz, G.S.C.

157e. G.S.C. Loc. No. 94373
Locality: Finlayson Lake map-area,
N61°15', Wl3l°12'
Map unit uЄOR
Fauna: *Jujuyaspis borealis* Kobayashi
Symphysurina sp. (two forms as at 94372)
Age: Early Ordovician, (Nevada zone A)
-Identification by W.H. Fritz, G.S.C.

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158. G.S.C. Loc. No. 94379
Locality: Finlayson Lake map-area,
N61°14'39", Wl3l°l0'24"
Map unit uCOR
Fauna: *Jujuyaspis* sp. undetermined (pygidium only)
Symphysurina? sp.
Geragnostus (s.l.) sp .
Age: Early Ordovician, (Nevada zone A)
-Identification by W.H. Fritz, G.S.C.

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159. G.S.C. Loc. No. 94378
Locality: Finlayson Lake map-area,
N61°14', W131°10'24"
Map unit uCOR
Fauna: olenid
Age: Late Cambrian
-Identification by W.H. Fritz, G.S.C.

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160. G.S.C. Loc. No. 93496
Locality: Finlayson Lake map-area,
N61°15'12", W13l°03'48"
9.6 km SE of centre of Half Moon Lake
Map unit muDGL
Fauna: some skeletal material
brachiopod fragments
conodonts
Polygnathus sp.
Pseudopolygnathus sp.
Age: Late Devonian to Mississippian, conodonts are fragmentary and are probably Early Mississippian. -Identification by J. Jenkins, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Polygnathus linguiformis linguiformis Hinde
P. cf. *P. parawebbi* Chatterton.
Ramiforms, undifferentiated
Colour alteration index = 5
Age: Middle Devonian

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161. G.S.C. Loc. No. 40530
Locality: Finlayson Lake map-area,
N61°15' , W13l°04'
21 km N of Ings-Liard rivers junction.
Map unit muDGL
Fauna: digitate stromatoporoids
Alveolites sp.
Coenites sp.
Syringopora sp.
Thamnanopora sp.
Age: Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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162. G.S.C. Loc. No. 40590
Locality: Finlayson Lake map-area
N61°12', W13O°57'
Map unit muDGL
Fauna: *Thamnopora* sp, F
undet. gastropods
large fragments of acanthophyllid corals
Age: Middle Devonian
-Identification by D.J. McLaren, G.S.C.

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163. G.S.C. Loc. No. 94377
Locality: Finlayson Lake map-area
N6l°06'3O", W131°09'
Map unit lCs
Fauna: *Bonnia* spp.
edelsteinaspid
Gelasene? sp.
Kutorgina sp.
Poulsenia sp.
Stenothecoides sp.
genus and sp.undet. 2 Palmer, 1968
Age: Cambrian, Bonnia-Olenellus Zone
-Identification by W.H. Fritz, G.S.C.

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164. G.S.C. Loc. No. 94376
Locality: Finlayson Lake map-area,
N61°06', W13l°O6'30";
Map unit lCs
Fauna: *Salterella* sp.
Age: Early Cambrian
-Identification by W.H. Fritz, G.S.C.

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165. G.S.C. Loc. No. 94381
Locality: Finlayson Lake map-area,
N61°06' , Wl3l°07';
map unit lCS
Fauna: archaeocyathid
Age: Early Cambrian
-Identification by W.H. Fritz, G.S.C.

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166. G.S.C. Loc. No. 42842
Locality: Tay River map-area
N62°48' , W133°45'
Map unit muDG
Fauna: *Schizophoria* sp.
?chonetid
Calviharia aff. *C. variabilis* (Whiteaves)
Cyrtospirifer sp.
Eleutherokomma sp.
Age and Remarks: The association of the genera *Eleutherokomma* and *Cyrtospirifer* indicates a mid-early Late Devonian (middle Frasnian) age and represents a fairly restricted horizon in western Canada. In terms of other areas this fauna is equivalent to forms found at about the Perdrix-Mount Hawk formations boundary in the Alberta Rockies and the Lower Escarpment Formation ("Upper Hay River shale") on Hay River. Equivalent beds to the east must occur in the grey shales at present referred to as lower "Imperial", below the horizon of common reef development, and below major sandstone development.
-Identification by A.W. Norris, G.S.C.

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167. G.S.C. Loc. No. 42864
Locality: Tay River map-area
N62°58', W132°57'
Creek N of South Macmillan River.
Map unit OSM
Fauna: *Phyllograptus*? sp.
Didymograptus? sp.
D. aff. *D. extensus* (Hall)
Dichograptus cf. *D. octobrachiatus* (Hall)
Tetragraptus cf . *T. fruticosus* (Hall)
T. aff. *T. phyllograptoides* Linnarsson
T. cf. *T. quadribrachiatus* (Hall)
Age: Early Ordovician (Arengian), probably *Didymograptus protobifidus* Zone
-Identification by B.S. Norford, G.S.C.

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168. G.S.C. Loc. No. 42954
Locality: Tay River map-area
N62°55', Wl32°57'
tributary of South Macmillan River
Map unit OSM
Fauna:diplograptids
Age: probably Ordovician
-Identification by B.S. Norford, G.S.C.

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169. G.S.C. Loc. No. 42953
Locality:Tay River map-area
N62°52'30", W133°O4'
tributary of South Macmillan River.
Map unit Ss
Fauna: *Monograptus* sp.
Age: Silurian to Early Devonian
-Identification by B.S. Norford, G.S.C.

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170. G.S.C. Loc. No. 42893
Locality: Tay River map-area
N62°43'40",W133°22';
Map unit uTH
Fauna: *Monotis subcircularis* Gabb
Age: Late Triassic, Norian
-Identification by E.T. Tozer, G.S.C.

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171. G.S.C. Loc. No. 42858
Locality: Tay River map-area
N62°42', W133°28'
near Twopete Mountain. Map unit uDMBSc
Fauna: "*Spirifer*" cf. "*S*." *minnewankensis* Shimer
?*Cleiothyridina* sp.
orthotetinid brachiopod
?*Phillipsia* sp.
gastropod indet.
?*Homalophyllites* sp.
Age: Mississippian, probably Osagean
-Identification by E.W. Bamber, G.S.C.

172a. G.S.C. Loc. No. 42872
Locality: Tay River map-area
N62°42" W132°05'; Laforce Creek
Map unit OSM
Fauna: diplograptids
Age: probably Ordovician
-Identification by B.S. Norford, G.S.C.

172b. G.S.C. Loc. No. 42865
Locality: Tay River map-area
N62°421, W132°O5';
Laforce Creek
Map unit OSM
Fauna: diplograptids
Age: probably Ordovician
-Identification by B.S. Norford, G.S.C.

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173. G.S.C. Loc. No. 94368
Locality: Tay River map-area
N62°34', W133°00'30";
Map unit uTH
Fauna: *Monotis* sp. , *M. subcircularis* Gabb or *M. ochotica* Keyserling.
Age: Triassic, late Norian, Suessi Zone
-Identification by E.T. Tozer, G.S.C.

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174. G.S.C. Loc. No. 93485
Locality: Tay River map-area
N62'33'30" , W133°01' ;
Map unit uTH
Fauna: conodonts
*Metapolygnathus primitius (*Mosher)
5 specimens
Neogondolella navicula navicula (Huckriede)
fragments
numerous bar and blade fragments
Age: Late Triassic, late Carnian to early Norian. -Identification by J. Jenkins, G.S.C.
--
This collection was re-examined by M.J. Orchard who reported as follows:
Epigondolella bidentata Mosher
Neogondolella. sp.
Ramiforms, undifferentiated
Colour alteration index = 4.5-5
Age: Late Middle or Late Norian, Late Triassic

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175. G.S.C. Loc. No.. 93484
Locality: Tay River map-area
N62°33', Wl33°02';
Map unit uŦH
Fauna: 1 spine
conodonts
Neogondolella sp. (1 specimen only)
few unidentifiable fragments
Age: Permian or Triassic
-Identification by J. Jenkins, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Neogondolella sp. indet.
Ramiforms, undifferentiated
Colour alteration index = 5
Age: Middle or Early Late Triassic

176a. G.S.C. Loc. No. 42927
Locality: Tay River map-area
N62°33', W133°03';
Map unit uDMBSc
Fauna: undet. spiriferid
Camerotoechia - like brachiopod
Age: ?Mississippian
-Identification by D.J. McLaren, G.S.C.

176b. G.S.C. Loc. No. C-76500
Locality: Tay River map-area
N62°32'05", W133°02'05";
Map unit uDMBSc
Fauna: pelecypods?
rhynconellid brachiopod
Age: probably Palaeozoic
-Identification by E.W. Bamber, G.S.C.

176c. G.S.C. Loc. No. C-76499
Locality: Tay River map-area
N62°32'06", W133°, 02';
Map unit uDMBSc
Fauna: *Syringopora* sp.
Schizophoria sp.
trilobite
Age: Devonian to Permian
-Identification by E.W. Bamber, G.S.C.

177a. G.S.C. Loc. No. C-49977
Locality: Tay River map-area
N62°27', W133°01';
Map unit OSM
Fauna: *Adelograptus*? sp.
Clonograptus sp.
Age: Early Ordovician, probably the upper part of the *Adelograptus* Zone (late Tremadocian).
-Identification by B.S. Norford, G.S.C.

177b. G.S.C. Loc. No. 80030
Locality: Tay River map-area
N62°27'18", Wl33°02';
Map unit OSM
Fauna: inarticulate brachiopod
Caryocaris? sp.
Climacograptus? sp.
Glossograptus sp.
Age: Ordovician, Lanvirnian to Caradocian
-Identification by B.S. Norford, G.S.C.

177c. G.S.C. Loc. No. 80031
Locality: Tay River map-area
N62°27'06", W133°04'48";
Map unit OSM
Fauna: diplograptid graptolite
Age: Middle Ordovician to Early Silurian, Llanvirnian to Llandoverian
-Identification by B.S. Norford, G.S.C.

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178. G.S.C. Loc. No. 93500
Locality: Tay River map-area
N62"0'24", W133°34'12"
3.8 km SE of Rose Mountain;
Map unit CPAt
Fauna: conodonts
Doliognathus? sp.
Taphrognathodus sp.
coralline debris
productid brachiopod spines
Age: Early Carboniferous, late Kinderhookian to early Osagian
-Identification by J. Jenkins, G.S.C.

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179. G.S.C. Loc. No. 5686
Locality: Tay River map-area
N62°12', W133°12', Pelly River;
Map unit Tscg
Fauna: Among the small fragments of rock in this collection were two with impressions of parts of conifer short shoots that could be *Sequoia*, *Metasequoia*, or *Taxodium*.
Had there been.more specimens a more accurate - Identification might have been possible.
Age and Remarks: It is impossible to distinguish Cretaceous from Tertiary from these fragments, but they are probably Late Cretaceous or younger.
No spores were present.
-Identification by D.C. McGregor, Geological Survey- of Canada

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180. G.S.C. Loc. No. 5684
Locality: Tay River map-area
N62º04', W132º 50' Grew Creek;
Map unit Tscg
Fauna: *Trochodendroides* may be present, but this genus ranges throughout the Late Cretaceous and Tertiary.
Apex, margins, finer venation and in most cases the bases are missing from the specimens, and they are therefore not identifiable.
There are no spores present.
-Identification by D.C. McGregor, Geological Survey- of Canada

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181. G.S.C. Loc. No. 4879
Locality: Quiet Lake map-area
N61°57 '30", W132°35'30"
6.4 km downstream on Lapie River from Lapie River bridge;
Map unit Ts
Fauna: *Taxodium dubium* (Sternberg)
Viburnum antiquum (Newberry)
Juglans sp.
Age and Remarks: These same elements were identified in a collection made by E.D. Kindle from this locality and reported on in G.S.C. Paper 45-21, p. 21. The florule indicates a Paleocene age.
-Identification by W.L. Fry, G.S.C.

182a. G.S.C. Loc. No. 93514 (a)
Locality: Finlayson Lake map-area,
N61°52', W13O°44'
14 km N of the NW end of Finlayson Lake;
Map unit PMNcg
Fauna: conodonts
Epigondolella abneptis [Huckriede) abundant
*Metapolygnathus primitius (*Mosher) - abundant
Metapolygnathus polygnathiformis Budurov & Stefanov) - 3 specimens
Age: Late Triassic, early Norian
-Identification by J. Jenkins, G.S.C.

182b. G.S.C. Loc. No. 93514 (b)
Locality: Finlayson Lake map-area,
N61°52', Wl3O°44'
About 14 km N of the NW end of Finlayson Lake;
Map unit PMNcg
Fauna: conodonts
E*pigondolella abneptis* (Huckriede) -abundant
…… *Metapolygnathus primitius (*Mosher)-fragment
Age: Late Triassic - early Norian
-Identification by J. Jenkins, G.S.C.

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183. G.S.C. Loc. No. 93507
Locality: Finlayson Lake map-area,
N61°40'30", W130°59'
On Big Campbell Creek.
Map unit PMNp
Fauna: scleractinid coral debris
conodonts
Neogondolella navicula navicula (Huckriede) -20 specimens
Enantiognathus ziegleri (Diebel)
Metapolygnathus polygnathiformis (Budurov & Stefanov) - 25 good specimens
Hindeodella? sp.
Neospathodus sp. cf.. *Metapolygnathus polygnathiformis*
numerous bar and blade fragments
Age: Late Triassic - Carnian
-Identification by J. Jenkins, G.S.C.

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184. G.S.C. Loc. No. C-27359
Locality: Finlayson Lake map-area,
N61°51'30", W130°03'
8 km NW from eastern tip of McEvoy Lake.
Map unit Ss
Fauna: echinoderms
Monograptus sp.
Age: Early Silurian to Early Devonian
-Identification by B.S. Norford, G.S.C.

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185. G.S.C. Loc. No.86373
Locality: Finlayson Lake map-area,
N61°54' , W130°09'
On a ridge 8 km N of the eastern tip of McEvoy Lake.
Map unit uDMBS
Fauna: conodonts
Gnathodus sp. (juvenile)
hindeodellids (fragments)
Neoprioniodus? sp.
silicified spines (productid brachiopod?)
Age: Mississippian?
On the basis of the type of *Ghathodus* represented here, this assemblage is tentatively placed in the Mississippian.
-Identification by B.E.B. Cameron, G.S.C.

186a. G.S.C. Loc. No. C-27360
Locality: Finlayson Lake map-area,
N61°45', 130°02'
8.3 km SE from eastern tip of McEvoy Lake.
Map unit uDMBSs
Fauna: *Eognathodus*? sp.
Pandorinellina cf . *P. expansa* Uyeno & Mason
Polygnathus cf. *P. linguiformis* Hinde
Age: Devonian, possibly late Emsian to mid-Couvinian.
-Identification by T.T. Uyeno, G.S.C.

186b. G.S.C. Loc. No. C-27357
Locality: Finlayson Lake map-area,
N61°45', Wl30°03'
9.3 km SE of the eastern tip of McEvoy Lake.
Map unit uDMBS
Fauna: graptolite fragments
Age: Early Ordovician to Early Devonian
-Identification by B.S. Norford, G.S.C.

187a. G.S.C. Loc. No. 93513 (a)
Locality: Finlayson Lake map-area,
N61°35'48", W13O°30'
7 km S of S end of Finlayson Lake.
Map unit PMNc
Fauna: conodonts
Gnathodus fragment
Streptognathodus expansus Igo and Koike -? (2 specimens)
Age: Pennsylvanian - Early?
-Identification by J. Jenkins, G.S.C..

187b. G.S.C. Loc. No. 93513 (b)
Locality: Finlayson Lake map-area,
N61°35'48", W130°30'
7 km S of S end of Finlayson Lake.
Map unit PMNc
Fauna: conodonts
Idiognathodus fragment
Age: Pennsylvanian
-Identification by J. Jenkins, G.S.C..

This collection was re-examined by M.J. Orchard who reported as follows:-
Indeerminate conodont fragment
Colour alteration index = 4
Remarks: Fragment is a simple cone with shallow basal cavity and a basal margin that appears intact, which suggests that it is not a fragment of a larger ramiform element.
Age: Lower Paleozoic?

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188. G.S.C. Loc. No. 93506
Locality: Finlayson Lake map-area
N61°36', W130°05'30"
About 26.5 km SE of McEvoy Lake and about19.2 km N of Wolverine Lake.
Map unit Ss
Fauna: conodont fragments
Age: Indeterminate
-Identification by J. Jenkins, G.S.C..

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189. G.S.C. Loc. No. 28552
Locality: Quiet Lake map-area,
N61°25' , W132°22'30"
12 km northwest of Mount Hogg; elevation 6,100 feet.
Map unit lЄS
Fauna: *Archaeocyathus* sp.
Ajacicyathus sp.
Age: Early Cambrian
-Identification by A.W. Norris, G.S.C.

190a. G.S.C. Loc. No. 40506
Loality: Quiet Lake map-area,
N61°31'30":, W132°16' ;
Map unit lЄM
Fauna: *Archaeocyathus* cf. *A. loculiformis* Okulitch - rare
A. atlanticus Billings -rare
Pycnoidocyathus cf. *P. occidentalis* (Okulitch) -abundant
P. cf. *P. amourenois* (Okulitch) -abundant
P. dissepimentalis (Okulitch) –very abundant
P. sp. -abundant
Metethmorphyllum sp. –very abundant
Coscinocyathus dentocanis Okulitch –very abundant
C. cf. *C. dentocanis* Okulitch -abundant
C. sp.
Age: This fauna suggests a fairly high horizon in the Early Cambrian - possibly similar to the Donald Formation.
-Identification by V.J. Okulitch, University of British Columbia

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190b. G.S.C. Loc. No. 40500
Locality: Quiet Lake map-area
N61°34', W132°23' ;
6.4 km SSE of Peak 7001'.
Map unit lЄM
Fauna: ?*Rhizocyathus* sp. - rare
?*Protopharetra* sp.
Archaeocyathus cf. *A. loculiformis* Okulitch – very abundant
A. sp. -abundant
?*Pycnoidocyathus* sp.
Ajacicyathus nevadensis (Okulitch) –very abundant
A. purcellensis Okulitch –very abundant
A. cf. *A. purcellensis* Okulitch –very abundant
A. sp. –abundant
A. cf. *A. yukonesis* Kawase and Okulitch - rare
Coscinocyathus dentocanis Okulitch
C. sp. -rare
Age: Early Cambrian. Lot 40506 resembles in content the Donald fauna from the Dogtooth Mountains, as well as faunas collected by W.H. Poole from Wolf Lake map-area. This fauna is almost certainly late Early Cambrian. Lot 40500 is probably from a somewhat lower horizon than Lot 40506. It is younger though than the fauna from Colville, Washington.
-Identification by V.J. Okulitch, University of British Columbia

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190c. University of British Columb'ia Collections (Kawase and Okulitch, 1957; Okulitch and Greggs, 1958)
Locality: Quiet Lake map-area,
N6l°31'30", W132°16'.
Map unit lЄM-w
Fauna: *Ethmocoscinus*? sp.
Coscinocyathus inequivallus Kawase and Okulitch
C. serratus Kawase and Okulitch
Pycnoidocyathus columbianus (Okulitch)
P. cf. *P. dissepimentalis* (Okulitch)
Metacoscinus sp.
Claruscyathus ketzaensis Kawase and Okulitch
Age: probably late Early Cambrian
-Identification by V.J. Okulitch, University of British Columbia

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191. G.S.C. Loc. No. 86356
Locality: Quiet Lake map-area,
N61°56', Wl32°48',
5.8 km E of Mt. Cook.
Map unit uDMBSc
Fauna: conodonts are fragmentary
Palmatodella proversa (Ziegler) (P element)
P. subrecta (Miller & Youngquist) (P element]
Polygnathus sp. (P element)
Icriodus sp. (I element)
indet. O1 element of *Palmatodella* sp.
Age: Late Devonian; Upper *P. asymmetricus* Zone to Upper *P. gigas* Zone (Ziegler, 1971). In Belgian terms, this is about early to late Frasnian.
-Identification and comments by T.T. Uyeno, G.S.C.

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192. G.S.C. Loc. No. 93476
Locality: Quiet Lake map-area,
N61°11', W133°13',
4.2 km S of the eastern tip of Sandy Lake.
Map unit ODN
Fauna: conodont? fragment - possibly *Ozarkodina* sp.
crinoidal columnal
Age: Indeterminate
-Identification by B.E.B. Cameron, G.S.C.

This collection was re-examined by M.J. Orchard who reported as follows:-
Hindeolelliform element
Plectospathodontiform element
Colour alteration index = 5
Age: Silurian to Carboniferous

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193. G.S.C. Loc. No. 28560
Locality: Quiet Lake map-area,
N61°26', Wl32°22',
12.8 km northwest of Mount Hogg; elevation 5,000'
Map unit lЄS
Fauna: ?*Ajacicyathus* sp.
?*Pycnoidocyathus* sp.
Age: Early Cambrian
-Identification by A.W. Norris, G.S.C.

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194. G.S.C. Loc. No. 40573
Locality: Finlayson Lake map-area,
N61°22'30", W131°20'30".
Map unit uDMBS
Fauna: *Spirifer* cf. *S. esplanadensis* Brown
Spirifer sp.
Ambocoelia sp.
proetid trilobite
Age: Poorly preserved but almost certainly of Mississippian age.
-Identification by P. Harker, G.S.C.

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195. G.S.C. Loc. No. 93472 (a)
Locality: Quiet Lake map-area,
N61°57'30", W132°47';
Second ridge NW of Danger Creek.
Map unit DMSS
Fauna: conodonts (poorly preserved)
Palmatolepis cf. *P. triangularis* Sannemann
Polygnathus communis Branson & Mehl
Ozarkodina sp.
hindeodellids
Hibbardella sp.
Lonchodina sp.
Age: Late Devonian, possibly Famennian
-Identification by B.E.B. Cameron, G.S.C.

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196. G.S.C. Loc. No. 93474
Locality: Finlayson Lake map-area,
N61°37', W13O°52',
On Big Campbell Creek.
Map unit PMNp
Fauna: :few spines
brachiopod and coral? debris
Age: Indeterminate, possibly Late Palaeozoic

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197. G.S.C. Loc. No. 93475
Locality: Finlayson Lake map-area,
N61°57', W13l°20'.
Map unit SDsp
Fauna: conodont bar fragment
Age: Indeterminate, probably Middle or Late Palaeozoic

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198. G.S.C. Loc. No. C-27355
Locality: Tay River map-area,
N62°00', W132°59'
8.5 km NW of Mt. Cook.
Map unit uDMBSc
Fauna: echinoderm fragments including a very few with twin axial canals
Age: probably post Cambrian, possibly late Early or Middle Devonian.
-Identification by B.S. Norford, G.S.C.

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199. G.S.C. Loc. No. C-27532
Locality: Quiet Lake map-area,
N61°54'50", W133°00'30",
5.3 km SW of Mt. Cook.
Map unit Ss
Fauna: graptolite fragments
Age: Early Ordovician to Early Devonian
-Identification by B.S. Norford, G.S.C.

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200. G.S.C. Loc. No. 94375
Locality: Finlayson Lake map-area,
N61°13'24", 13l°11'24".
Map unit uCOR
Fauna: olenid?
Age: Late Cambrian
-Identification by W.H. Fritz, G.S.C.

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201. G.S.C. Loc. No. 86387
Locality: Quiet Lake map-area,
N61°46', W132°43'40"
15.5 km WNW of Mt. Green.
Map unit SDPd
Fauna: silicified tubes
conodont fragments (distacodontid)
Age: One of the very fragmentary conodonts recovered is very suggestive of *Oistodus*, a characteristic Ordovician form. An early Palaeozoic (Ordovician-Silurian) age appears somewhat more definite.
-Identification by B.E.B. Cameron, G.S.C.
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This collection was re-examined by M.J. Orchard who reported as follows:-
Protopanderodus sp. indet.
Colour alteration index = 4.5?
Remarks: A single incomplete specimen with pronounced lateral costae and posteriorly expanded base.
Age: Ordovician

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202. G.S.C. Loc. No. C-102953
Locality: Quiet Lake map-area,
N61°45'45", W132°14'20",
11.5 km N.E. of Mt. Green.
Map unit DMSS
Fauna: *Palmatolepis* sp. indet.
Polygnathus sp. indet.
?*Ancyrodella* sp. indet.
Age: Late Devonian, probably Frasnian
-Identification by M.J. Orchard, G.S.C.

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203. G.S.C. Loc. No. C-102952
Locality: Quiet Lake map-area,
N61°51'20", W132°33'15"
2 km south east of Mt. Ross.
Map unit SDR
Fauna: *Polygnathus serotinus*
P. linguiformis linguiformis
Age: Eifelian, Middle Devonian
-Identification by M.J. Orchard, G.S.C.

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204. G.S.C. Loc. No. C-087600
Locality: Finlayson Lake map-area,
N61°59' 5" , W13O°12'3'
20 km North of McEvoy Lake.
Map unit SDH
Fauna: Conodonts
Sponge spicules; gastropods: mazuelloids; sparse conodonts
'Roundya' trichonelloides s.f.
'Exognathus' sp. s.f.
Cones
Colour alternation index = 5
Remarks: The named species are discrete elements of a *Distomodus* and *Oulodus*? species, the latter possibly *O*.? *fluegeli*, best known from the late Llandovery *celloni* Zone. These elements, accompanied by mazuelloids, are very close to the characteristic association near the top and above the Active Zone at Howards Pass.
Age: Silurian, probably late Llandovery, possibly younger.
-Identification and remarks by M.J. Orchard, G.S.C.

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205. G.S.C. Loc. No. C-087576
Locality: Finlayson Lake 105G/16 map-area,
N6l°52'5' , W130°15'1'
10 km North of McEvoy Lake.
Map unit SDHd
Fauna: Conodonts:
Icriodus norfordi Chatterton, 1978 M elements
Colour alternation index = 5½ - 6
Remarks: Low diversity fauna of 'shallow-water' aspect. Icriodids conform to a very generalized concept of *I. expansus*, and more specifically to the species described previously from the Funeral Fm.
Age: Middle Devonian, Eifelian, probably early.
-Identification by M.J. Orchard, G.S.C.

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206. G.S.C. Loc. No.C-87598
Locality: Finlayson Lake map-area,
N61°52.8' , W130°7.9'
10 km N.E. of McEvoy Lake.
Map unit uDMBS
Fauna: *Gnathodus* cf. *G. bilineatus*
G. cf. *G. girtyi*
Paragnathodus commutatus
Age: Mississippian, probably Late.
-Identification by M.J. Orchard, G.S.C.

This comment by Mike Orchard is heeded throughout:
- Records of the Carnian *Paragondolella polygnathiformis* (Budurov & Stefanov), I now refer to *Metapolygnathus polygnathiformis* (Budurov & Stefanov).
- Records of the Carnian-Norian boundary species *Epigondolella primitia* Mosher, I now refer to *Metapolygnathus primitius* (Mosher).