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# Microfossils from the Cache Creek Complex in northern British Columbia and southern Yukon

Golding, M.L., Orchard, M.J., Zagorevski, A.

## Introduction

The Geo-mapping for Energy and Minerals (GEM) program is laying the foundation for sustainable economic development in the North. The Program provides modern public geoscience that will set the stage for long-term decision making related to investment in responsible resource development. Geoscience knowledge produced by GEM supports evidence-based exploration for new energy and mineral resources and enables northern communities to make informed decisions about their land, economy and society. The on-going GEM-Cordillera project is focused on improving the regional stratigraphy and tectonic models in northern British Columbia and Yukon and producing publically available, regional-scale geoscience knowledge in Canada's North. The Geological framework of ancient oceanic crust in northwestern British Columbia and southwestern Yukon activity aims to develop an updated regional geologic framework for the northern part of the Cache Creek terrane (Zagorevski et al., 2014, 2015), with a focus on the Whitehorse (NTS 105D), Teslin (105C), Atlin (104N), Tulsequah (104K), Dease Lake (104J), and Cry Lake (104I) 1:250,000 scale map areas.

Biostratigraphic support for this activity is being provided by the analysis of conodont and radiolarian samples, from both new and archival collections. The initial step in this process involves the re-examination of all the existing conodont and radiolarian collections in the Geological Survey of Canada's archives from the northern Cache Creek terrane, which have been collected over a period of thirty years. New samples are currently being processed, and will be described in a future publication.

The current paper contains a tabulation of the existing occurrences of conodont and radiolarian specimens in the archival samples, as well as the interpreted stratigraphic ages of these samples. This information has been

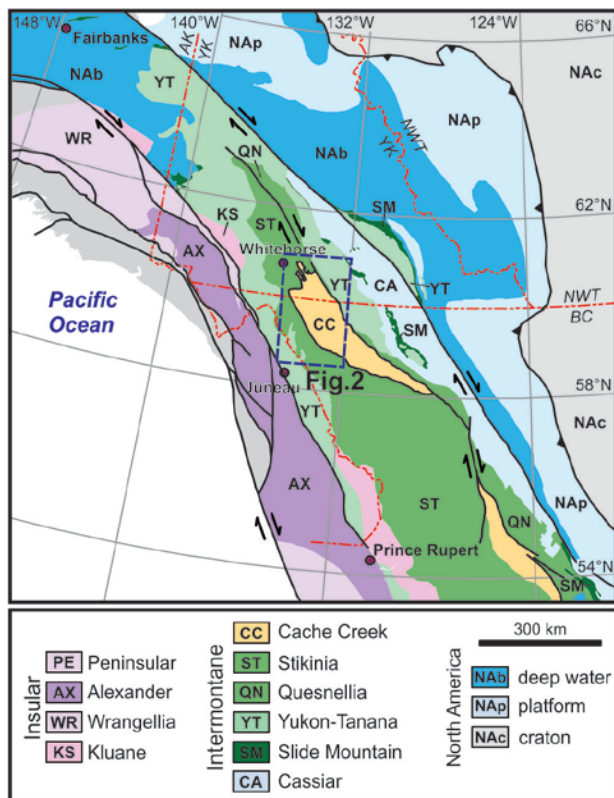
compiled from unpublished paleontological reports of the Geological Survey of Canada (prefaced OF-, MJO-, or FC-), and from lab processing records for unreported samples

Also included is a tabulation of the current determinations of conodonts from the archival samples. This information has been drawn from the paleontological reports, although some nomenclature has been updated. The taxonomy and stratigraphic age of the conodonts in some of these samples are under revision, and any modifications will be reported on at a later date. As such, this paper reflects the current state of our understanding of microfossils from the northern part of the Cache Creek terrane, which is subject to change.

## Geological Setting

The Cache Creek terrane is exposed in a near-continuous belt from southern to central British Columbia, and in a separate northern section in northwestern British Columbia and southern Yukon, initially referred to as the Atlin terrane (Monger, 1975; Fig. 1). The northern part of the Cache Creek terrane is flanked to the east by the Yukon-Tanana and Quesnel terranes, and to the west by the Stikine terrane (Colpron & Nelson, 2011; Fig. 1). It consists primarily of imbricated carbonate, chert, basalt, gabbro and ultramafic rocks, and has been interpreted as a forearc accretionary complex (Mihalynuk, 1999). Permian rocks of the Cache Creek terrane contain fossils that are exotic in relation to North America (Monger & Ross, 1971; Orchard et al., 2001), and suggest that this terrane originated far outboard of the North American margin. The present position of the terrane between the less exotic, peri-Laurentian Stikine, Quesnel, and Yukon-Tanana terranes has been explained by anticlockwise rotation of the Stikine terrane and subsequent entrapment of the Cache Creek terrane (Mihalynuk et al., 1994).

The upper Paleozoic to Mesozoic rocks of the northern Cache Creek terrane belong to the Cache Creek Complex, previously referred to as



**Figure 1** Geological map of the Canadian Cordillera, showing the location of the northern Cache Creek terrane (from Colpron & Nelson, 2011). The majority of samples presented in this report were collected from the area outlined in Figure 2 (with the exception of C-176495).

the Cache Creek Group (Aitken, 1959; Mulligan, 1963; Monger, 1975), or the Atlin Complex (Mihalynuk, 1999). This complex was defined in the southern part of the terrane, near Ashcroft (Selwyn, 1872), and has been identified in the central part of the terrane near Fort St. James (Armstrong, 1949; Schiarizza & MacIntyre 1999; Struik et al., 2001).

Mulligan (1963) designated two units in the Teslin map area as belonging to the Cache Creek Group, his units 4 and 5; Gordey (1992) subsequently included Mulligan's unit 7 with the Cache Creek Group as well. Monger (1975) divided the Cache Creek Group in the Atlin map area into five formations: the Mississippian - Pennsylvanian Nakina Formation, consisting of volcanic rocks with minor amounts of chert and carbonate; the Mississippian-Permian Kedahda Formation, consisting of chert, argillite, limestone, and minor volcanic rocks; the Mississippian-Permian Horsefeed Formation, consisting of carbonate and minor volcanic rocks; the Permian French Range Formation,

consisting of volcanic rocks and minor carbonates; and the Permian Teslin Formation, consisting of limestone with minor amounts of chert, argillite and volcanic rocks. The Kedahda Formation has subsequently been regarded as Mississippian-Triassic on the basis of its microfossil content (e.g. Gabrielse, 1998).

The heavily faulted nature of the northern Cache Creek Complex makes it difficult to recognize lithological sections, and to apply formation names to much of the complex (e.g. Mihalynuk et al., 2002; English et al., 2010). As such, although some of the samples reported herein have been referred to either Mulligan's units or Monger's formations, many have simply been attributed to the Cache Creek Complex undivided.

### Previous Work

Microfossils from elsewhere in the Cache Creek Complex have been reported on extensively since the 1980s. Conodonts from the southern part of the Cache Creek Complex have been reported by Rafek (in Trettin, 1980), Orchard (1981, 1984, 1987), and Beyers & Orchard (1991), whereas those from the central part of the Cache Creek Complex have been reported by Orchard & Struik (1996), Orchard et al (1997, 1998, 1999, 2001), and Sano & Orchard (2004). The conodont faunas in both the south and central parts of the Cache Creek Complex range in age from Early Pennsylvanian to Late Triassic.

Radiolarians from the southern part of the Cache Creek Complex have been reported by Travers (1978), Cordey (1986, 1998), Cordey et al. (1988), and Cordey & Read (1992), whereas those from the central part of the Cache Creek Complex have been reported by Cordey & Struik (1996, 1999), and Orchard et al. (2001). These radiolarian faunas range in age from Permian to Jurassic.

Far fewer microfossil samples have been reported from the northern part of the Cache Creek Complex. The majority of productive samples described in the present paper have previously been described in unpublished paleontological reports. Some of the conodont samples have subsequently been mentioned in



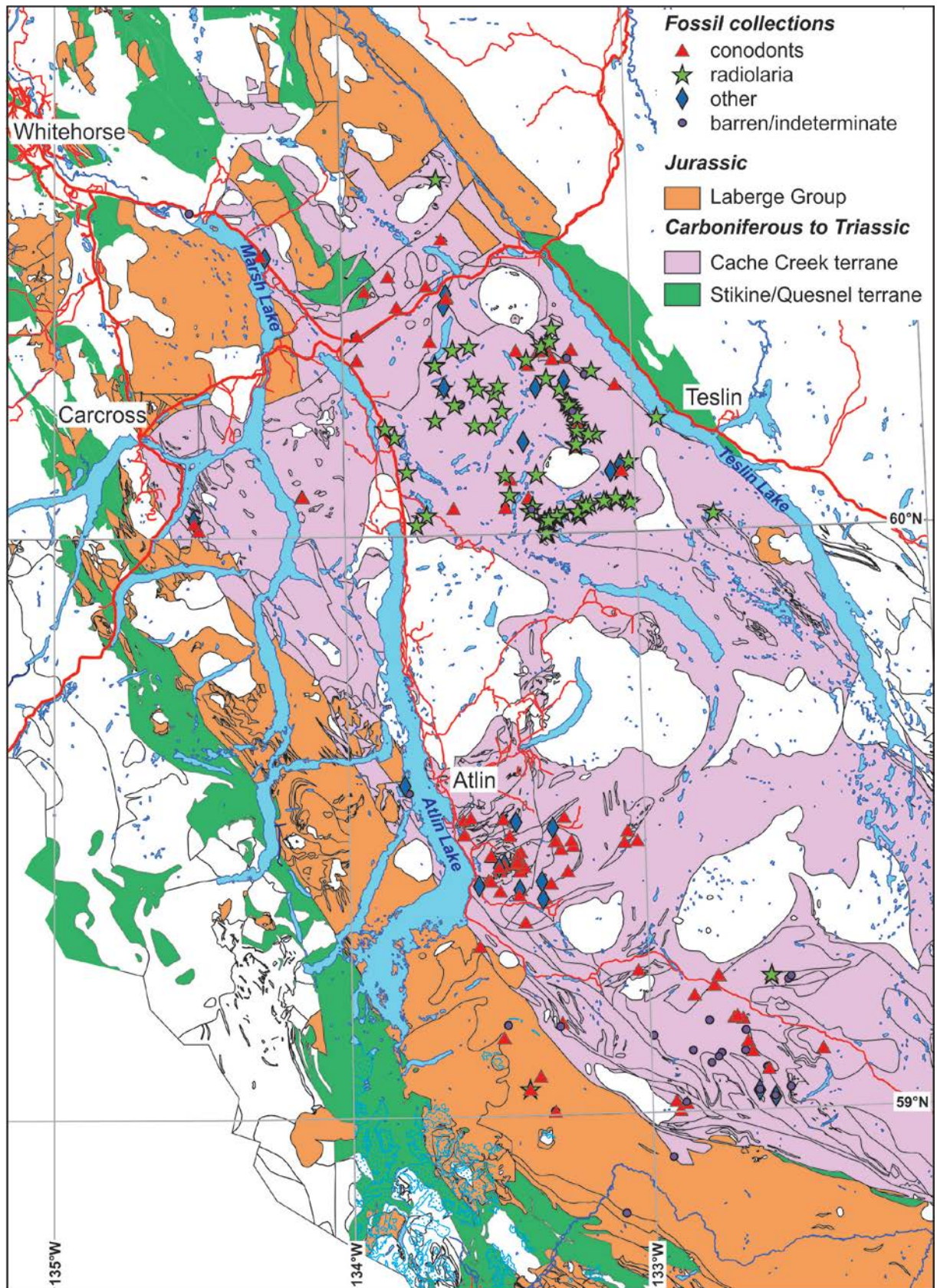


Figure 2 Simplified geological map of the northern Cache Creek and Stikine terranes, and the Jurassic overlap assemblage represented by the Laberge Group (from Massey et al., 2005, and Colpron, 2015). Detailed location information is presented in Table 1. Samples that plot in the Laberge Group comprise either inliers of possible Cache Creek terrane or clasts in the Jurassic strata that could be derived from either the Cache Creek or the Stikine terrane.

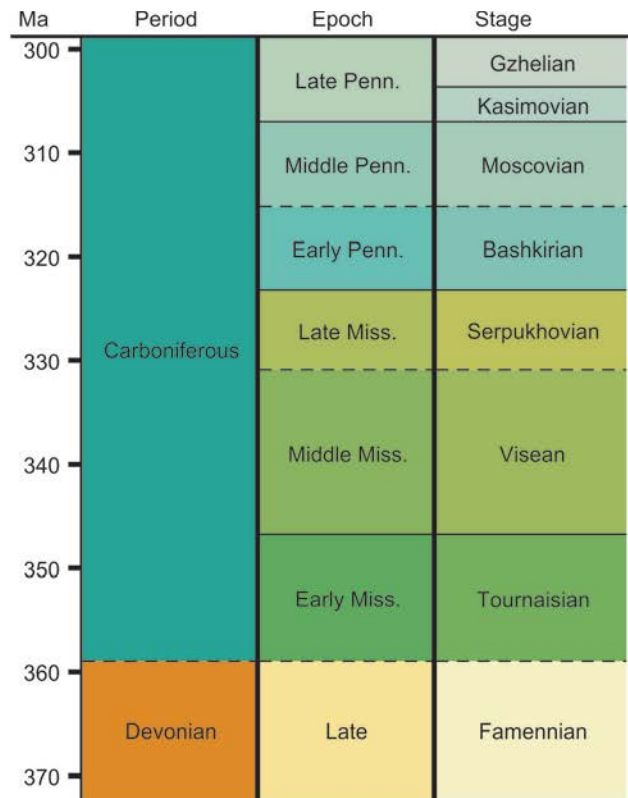
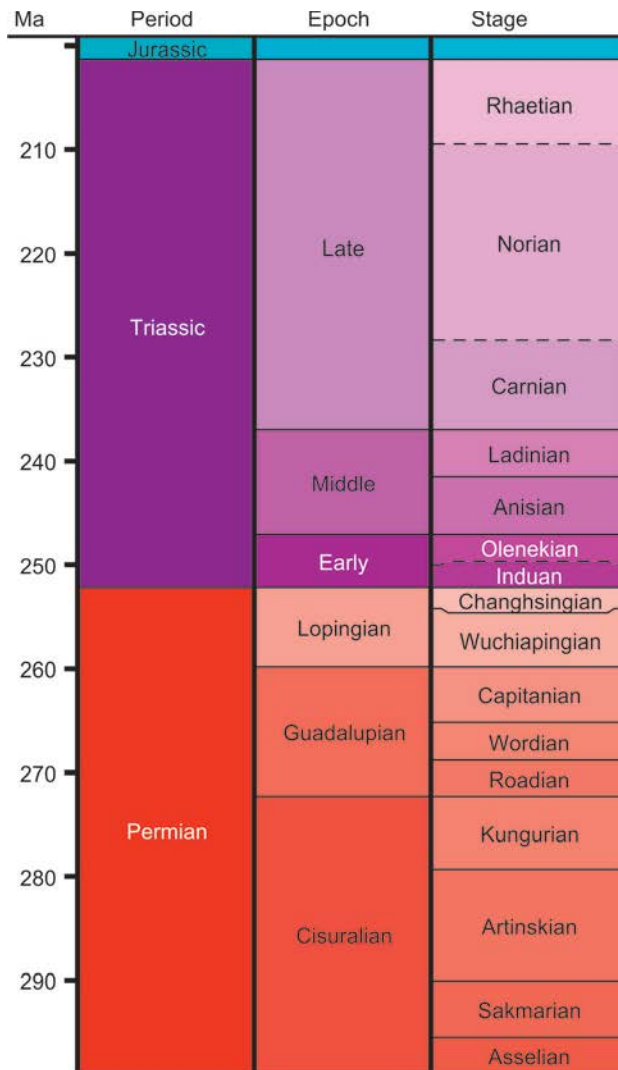


Figure 3 Simplified Carboniferous to Triassic geologic time scale (created using TimeScale Creator v6.4, using data from Gradstein et al., 2012).

publications by Orchard (1987), Cordey et al. (1991), Jackson (1992), and Gordey (1992) on the Teslin map area; by Bloodgood et al. (1989), Lefebvre & Gunning (1989), Cole et al. (1992), and Mihalynuk et al. (2003) on the Atlin map area; and by Hart & Radloff (1990), and Cole et al. (1992) on the Whitehorse map area. Some of the radiolarian samples from the Teslin map area have been presented by Cordey et al. (1991), and other radiolarian samples from the Atlin map area have been mentioned by Mihalynuk et al. (2002, 2003). A unified report on all of the conodont and radiolarian faunas in the Geological Survey of Canada archives from the northern Cache Creek Complex has not previously been presented.

### Microfossils from the Northern Cache Creek Complex

A total of 278 samples from the northern Cache Creek Complex have been processed or

examined for microfossils at the Geological Survey of Canada over the time period from 1976 – 2003. The complete list of samples in the archives is shown in Table 1. The locations of these samples within the study area are shown on the geological map in Figure 2.

Seventy-six of these samples contain conodonts that can be identified to at least genus level (Table 2). These samples range in age from the Carboniferous to the Triassic (Fig. 3). Fifty-one of the samples come from the Atlin map area, nineteen from the Teslin map area, five from the Whitehorse map area, and one from the Dease Lake map area. None of the samples from the Tulsequah or the Cry Lake map areas were productive. The majority of these samples come from undivided Cache Creek Complex, with only thirty-seven identified as being collected from a particular formation: one from the Nakina Formation, twenty from the Kedahda

Formation, and sixteen from the Horsefeed Formation.

A further ninety-eight samples have been reported as containing identifiable radiolarians. These samples range in age from the Permian to the Jurassic. The majority of these samples come from the Teslin map area. Almost all of the samples come from undivided Cache Creek Complex; some can be assigned to Mulligan's (1963) units and to the Kedahda Formation.

#### *Carboniferous*

Thirty-two samples from the northern Cache Creek Complex contain conodonts that have been identified as being at least partially Carboniferous in age (Table 2). Twenty-one are located in the Atlin map area, seven are from the Teslin map area, and four are from the Whitehorse map area. Fifteen different genera have been recognized; however, many of the specimens have not been identified to species level, pending further study.

#### *Mississippian*

The oldest conodonts reported from the northern Cache Creek Complex belong to the genera *Polygnathus*, *Protognathodus*, and *Pseudopolygnathus*. These specimens were recovered from a single sample in the Teslin map area, and are indicative of a late Famennian (Late Devonian) to Viséan (Middle Mississippian) age. Eight samples collected from the Atlin map area are younger and contain conodonts that are unambiguously Viséan to Serpukhovian (Late Mississippian) in age. Conodonts of this age include *Gnathodus* cf. *bilineatus*, *G.* aff. *girtyi*, *G. homopunctatus*, *Lochreia commutata* and *L. nodosa*.

#### *Pennsylvanian*

The majority of Carboniferous samples collected from the northern Cache Creek Complex are Pennsylvanian in age. Seven samples from the Atlin map area and two samples from the Teslin map area contain conodonts that have been reported as Bashkirian (Early Pennsylvanian) to Moscovian (Middle Pennsylvanian) in age, including *Gondolella laevis*, *Neognathodus* cf. *bassleri*, *Neognathodus* sp., *Idiognathodus* sp., *Idiognathoides* sp., and *Declinognathodus* sp. Two samples from the Whitehorse map area are

reported as being Moscovian in age, and they contain the conodonts *Diplognathodus* cf. *orphanus*, *Idiognathodus* sp., and *Idioproniodus* sp. An additional sample from the Whitehorse map area contains the conodonts *Diplognathodus* ex gr. *coloradoensis*, *Idiognathodus* sp., and *Idioproniodus* sp., suggesting an age of Middle to Late Pennsylvanian. Three samples from the Atlin map area and two samples from the Teslin map area contain conodonts that are difficult to assign to species level, and are therefore reported as being Late Carboniferous (Pennsylvanian) in age. Three samples from the Atlin map area and two samples from the Teslin map area contain the conodont genera *Diplognathodus*, *Idiognathodus*, and *Mesogondolella*, and could be Pennsylvanian or Early Permian in age.

#### *Permian*

Twenty-eight samples from the northern Cache Creek Complex contain conodonts that have been reported as at least partially Permian in age (Table 2). This number includes the five samples identified as Carboniferous – Permian and discussed under the section on the Carboniferous (see above). Twenty of these samples are from the Atlin map area, six are from the Teslin map area, and one sample comes from each of the Whitehorse and Dease Lake map areas.

These samples contain conodonts belonging to six genera: *Diplognathodus*, *Ellisonia*, *Hindeodus*, "*Neogondolella*", *Streptognathodus*, and *Sweetognathus*. The majority of the specimens belonging to these genera have not been identified to species level, the only exception being *Diplognathodus* cf. *oertlii* from a sample in the Atlin map area. As such, all of the samples have been reported as belonging to the Permian, but have not yet been dated to series or stage level. Three of the samples from the Atlin map area and one of the samples from the Teslin map area, containing the conodonts *Ellisonia* sp., *Hindeodus* sp. and "*Neogondolella*" sp. have been reported as having an age of Permian to Early Triassic.

One sample from the Teslin map area contains radiolarians which have been reported



as Guadalupian (Middle Permian) in age (Table 1).

#### *Triassic*

Twenty-five samples from the northern Cache Creek Complex contain conodonts that have been reported as at least partially Triassic in age (Table 2). This number includes the four samples identified as Permian – Triassic and discussed under the section on the Permian (see above). Sixteen of these samples are from the Atlin map area, and nine are from the Teslin map area.

Six genera have been reported from the Triassic samples: *Epigondolella*, “*Metapolygnathus*”, *Misikella*, *Neogondolella*, *Nicoraella*, and *Parvigondolella*. The preservation of conodonts in these samples is relatively good, and the majority of specimens have been identified to species level. No Lower Triassic conodonts have yet been reported from the northern Cache Creek Group, and only four samples, three from the Atlin map area and one from the Teslin map area, have been identified as belonging to the Middle Triassic. Two other samples have not been assigned to a series.

The majority of samples are Late Triassic in age. One sample from the Teslin map area has been reported as Early Carnian, and two samples from the Atlin map area have been dated as Late Carnian. These assignments have been made on the basis of a relatively diverse “*Metapolygnathus*” fauna, including “*M. carpathicus*”, “*M. nodosus*”, “*M. polygnathiformis*”, and “*M. pseudoechinatus*”. Two additional samples from the Atlin and Teslin map areas have been reported as Late Carnian to Early Norian. The presence of *Epigondolella quadrata* in a sample from the Atlin map area has allowed the recognition that this sample is Early Norian. The Middle Norian conodont “*E. tozeri*” has been identified in a sample from the Atlin map area, and two samples from the Atlin map area have been reported as Middle Norian to Rhaetian based on the presence of “*E. bidentata*”. Conodonts from the Late Norian to Rhaetian have been reported from three samples in the Teslin map area and one sample in the Atlin map area. These assignments have again been based on a

relatively diverse fauna, including “*E. bidentata*”, “*E. englandi*”, “*E. mosheri*”, *Misikella posthernsteini*, “*Metapolygnathus*” sp., “*Neogondolella*” sp., and *Parvigondolella* sp.

Seventy-six samples from the northern Cache Creek Complex contain Triassic radiolarians (Table 1). All of these samples come from the Atlin and Teslin map area. They contain a very diverse fauna, consisting of forty different genera, and are reported to range in age from Ladinian to Rhaetian.

#### *Jurassic*

Nine samples from the Teslin map area contain Jurassic radiolarians (Table 1). Twenty-one genera are present, which range from Hettangian to Toarcian (Early Jurassic) in age.

### **Biostratigraphy**

Microfossil samples from the northern Cache Creek Complex range from Mississippian to Jurassic in age. As mentioned previously, the majority of the samples reported from the northern Cache Creek Complex have not been assigned to a formation. The only formations from which samples have been reported are the Nakina Formation, the Kedahda Formation, and the Horsefeed Formation. Only one sample has been reported from the Nakina Formation, which is Early – Middle Pennsylvanian (Bashkirian – Moscovian) in age. The Kedahda Formation spans a very long time interval; the oldest conodonts reported from this formation are from the Namurian (Sepukhovian – Bashkirian), and the youngest are from the Rhaetian. The samples from the Horsefeed Formation contain conodonts dated as Middle Pennsylvanian – Middle Triassic in age. This suggests that the upper limit on the age of the Horsefeed Formation is slightly younger than previously thought. All of the other age determinations are consistent with previous estimates for the age of the northern Cache Creek Complex and its formations (e.g. Monger, 1975; Gabrielse, 1998; Mihalynuk et al., 2003).

### **Conclusions and Future Work**

The current compilation is the first report on microfossils from the entirety of the northern



Cache Creek Complex. The examination of these archival microfossil samples provides constraints on the age of this unit, and demonstrates the potential that these samples have for further refinement of these ages. The conodont taxonomy as presented in this paper has not been updated, but the current literature provides a basis for revision and refinement. This is likely to lead to new specific determinations and consequently more precise stratigraphic age determinations for many of the samples in the future. The collection of additional samples will also improve our understanding of the taxonomy, stratigraphic age, and paleobiogeography of conodonts from this complex. Comparison of conodont faunas from the northern Cache Creek Complex with correlative faunas from other parts of the Cache Creek terrane, as well as from the Stikine, Quesnel and Yukon-Tanana terranes, will help to further constrain the relationships between these terranes throughout the upper Paleozoic and lower Mesozoic, and improve our understanding of the tectonic evolution of the Cache Creek terrane.

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**Table 1.** Archival microfossil samples from the northern Cache Creek terrane, processed at the Geological Survey of Canada between 1976 and 2003.

Curation Number	NTS Map	UTM Zone	Easting	Northing	Latitude	Longitude	Field Number	Collector	Formation	Microfossil Content	Reported Age	Report Number
C-087061	104N/6	8	589368	6588227	59.42313	-133.42502	MV-76-12D	Monger, J.W.H.	Undivided	conodonts	Early Carboniferous	OF-1993-28
C-087062	104N/6	8	586495	6589709	59.43704	-133.47504	MV-76-11	Monger, J.W.H.	Undivided	conodonts	Late Carboniferous	OF-1993-28
C-087063	104N/6	8	589371	6588071	59.42173	-133.42504	MV-76-12B	Monger, J.W.H.	Undivided	conodonts	Late Carboniferous	OF-1993-28
C-101892	105C/3	8	587434	6663069	60.09534	-133.42783	80-MV-T3	Tempelman-Kluit, D.J.	Undivided	conodonts	Late Triassic	OF-1993-28
C-102378	105C/6	8	592252	6680524	60.25095	-133.33332	80-MV-T1	Tempelman-Kluit, D.J.	Undivided	other	Phanerozoic	OF-1993-28
C-102379	105C/6	8	592252	6680524	60.25095	-133.33332	80-MV-T1A	Tempelman-Kluit, D.J.	Undivided	other	Phanerozoic	OF-1993-28
C-102380	105D/8	8	540305	6705256	60.48145	-134.26671	80-MV-W1	Tempelman-Kluit, D.J.	Undivided	other	Phanerozoic	OF-1993-28
C-102497	105C/3	8	589884	6670248	60.15924	-133.38063	80-MV-T2	Tempelman-Kluit, D.J.	Undivided	other	Phanerozoic	OF-1993-28
C-108205	105D/2	8	527643	6653164	60.01481	-134.50418	88-TOA-CH-4-5	Hart, C.	Kedahda	conodonts	Permian	OF-1993-56
C-108208	105D/2	8	526701	6655014	60.03148	-134.52084	88-TOA-CH-5-8	Hart, C.	Nakina	other	Phanerozoic	OF-1993-56
C-108209	105D/2	8	526783	6654396	60.02593	-134.51945	88-TOA-CH-5-3	Hart, C.	Kedahda	conodonts	Early-Late Carboniferous	OF-1993-56
C-117199	105C/5	8	557950	6685696	60.30371	-133.95140	85-TD-TE5-11	Tipper, H.W.	Undivided	conodonts	Late Carboniferous-Early Permian	OF-1992-19
C-143216	104N/12	8	578410	6597805	59.51130	-133.61456	88-CRE-49	Bloodgood, M.	Undivided	conodonts	Permian	MJO-1998-25
C-143218	104N/11	8	586075	6598075	59.51222	-133.47907	88-CRE-70	Bloodgood, M.	Undivided	conodonts	Carboniferous-Permian	MJO-1998-25
C-143223	104N/6	8	588880	6589360	59.43340	-133.43315	88-MAB-300	Bloodgood, M.	Undivided	conodonts	Late Carboniferous	MJO-1998-25
C-143225	104N/11	8	597750	6598525	59.51370	-133.27267	88-MAB-262	Bloodgood, M.	Undivided	conodonts	Late Triassic	MJO-1998-25
C-143229	104N/12	8	579899	6598175	59.51434	-133.58812	88-CRE-44	Bloodgood, M.	Undivided	conodonts	Permian	MJO-1998-25
C-143230	104N/6	8	597100	6592400	59.45887	-133.28693	89-MAB-KAB-023	Bellefontaine, K.A.	Undivided	conodonts	Ordovician-Triassic	MJO-1998-25
C-143231	104N/6	8	594220	6582995	59.37511	-133.34185	89-MAB-004	Bloodgood, M.	Undivided	conodonts	Permian-Triassic	MJO-1998-25
C-143232	104N/6	8	593775	6582675	59.37233	-133.34982	89-MAB-003	Bloodgood, M.	Undivided	other	Paleozoic	MJO-1998-25
C-143233	104N/6	8	598515	6588140	59.42031	-133.26394	89-MAB-024	Bloodgood, M.	Undivided	conodonts	Ordovician-Triassic	MJO-1998-25
C-143234	104N/6	8	595275	6585750	59.39960	-133.32207	89-MAB-018	Bloodgood, M.	Undivided	conodonts	Permian	MJO-1998-25
C-143235	104N/6	8	587290	6594860	59.48311	-133.45892	89-MAB-050	Bloodgood, M.	Undivided	conodonts	Early Carboniferous	MJO-1998-25
C-143237	104N/6	8	599510	6592975	59.46347	-133.24417	89-MAB-KAB-032	Bellefontaine, K.A.	Undivided	conodonts	Early Carboniferous	MJO-1998-25
C-143244	104N/6	8	599200	6593950	59.47230	-133.24918	89-MAB-KAB-029	Bellefontaine, K.A.	Undivided	conodonts	Carboniferous	MJO-1998-25
C-143245	104N/6	8	589450	6591780	59.45501	-133.42209	89-MAB-KAB-65	Bellefontaine, K.A.	Undivided	conodonts	Early Carboniferous	MJO-1998-25
C-143248	104N/6	8	589675	6589040	59.43036	-133.41927	89-MAB-084	Bloodgood, M.	Undivided	conodonts	Early Carboniferous	MJO-1998-25
C-143250	104N/6	8	588820	6591200	59.44993	-133.43344	89-MAB-KAB-058	Bellefontaine, K.A.	Undivided	conodonts	Ordovician-Triassic	MJO-1998-25
C-153988	104N/12	8	567500	6604250	59.57106	-133.80523	91-MMI-1-1-2	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-153989	104N/12	8	568100	6602650	59.55660	-133.79512	91-MMI-2-2-2	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-154209	104N/6	8	596250	6594150	59.47478	-133.30113	87-LB-MHG-062	Gunning, M.H.	Undivided	conodonts	Late Carboniferous	MJO-1998-24
C-154210	104N/6	8	596040	6593830	59.47195	-133.30498	87-LB-MHG-061G	Gunning, M.H.	Undivided	conodonts	Late Carboniferous	MJO-1998-24
C-154213	104N/11	8	586085	6598070	59.51217	-133.47889	87-LB-MHG-010	Gunning, M.H.	Undivided	conodonts	Early Carboniferous	MJO-1998-24
C-156251	104N/12	8	567244	6604322	59.57175	-133.80974	90-OF-JLT-2A	Jackson, J.L.	Undivided	other	Phanerozoic	OF-1991-2
C-156257	105C/6	8	599000	6687900	60.31556	-133.20785	90-OF-JLT-078	Jackson, J.L.	Undivided	conodonts	Phanerozoic	OF-1991-2
C-156607	105C/5	8	574500	6696200	60.39530	-133.64812	88-OF-JLU-40	Jackson, J.L.	Undivided	other	Indeterminate	OF-1991-2
C-156608	105C/3	8	587300	6660100	60.06872	-133.43151	88-OF-JLU-53	Jackson, J.L.	Kedahda	radiolarians	Late Triassic	OF-1991-2
C-156610	105C/3	8	586500	6657600	60.04645	-133.44693	88-OF-JLU-68	Jackson, J.L.	Kedahda	barren	Indeterminate	OF-1991-2
C-156611	105C/3	8	586500	6657600	60.04645	-133.44693	88-OF-JLU-69	Jackson, J.L.	Kedahda	conodonts	Phanerozoic	OF-1991-2
C-156612	105C/4	8	576581	6657415	60.04676	-133.62502	88-OF-JLU-78	Jackson, J.L.	Kedahda	conodonts	Middle Triassic	OF-1991-2
C-156613	105C/3	8	590900	6659600	60.06345	-133.36708	88-OF-JLU-84	Jackson, J.L.	Kedahda	conodonts	Phanerozoic	OF-1991-2
C-156615	105C/3	8	591600	6657500	60.04444	-133.35545	88-OF-JLU-92	Jackson, J.L.	Kedahda	other	Phanerozoic	OF-1991-2
C-156617	105C/6	8	590755	6684972	60.29120	-133.35835	88-OF-JLU-105	Jackson, J.L.	Kedahda	conodonts	Late Triassic	OF-1991-2
C-156620	105C/6	8	588384	6687700	60.31621	-133.40003	88-OF-JLU-120	Jackson, J.L.	Kedahda	conodonts	Triassic	OF-1991-2
C-156623	105C/6	8	594300	6688000	60.31757	-133.29284	88-OF-JLU-137	Jackson, J.L.	Kedahda	conodonts	Phanerozoic	OF-1991-2
C-156653	105C/3	8	599941	6669272	60.14815	-133.20002	89-OF-JLU-009	Jackson, J.L.	Kedahda	conodonts	Triassic	OF-1991-2
C-156656	105D/8	8	539400	6705700	60.48553	-134.28308	89-OF-JLU-029	Jackson, J.L.	Undivided	conodonts	Phanerozoic	OF-1991-2
C-156667	105C/6	8	597900	6686400	60.30236	-133.22849	89-OF-JLU-128	Jackson, J.L.	French Range	conodonts	Phanerozoic	OF-1991-2
C-156672	105C/6	8	593834	6687681	60.31482	-133.30142	89-OF-JLU-148	Jackson, J.L.	Kedahda	conodonts	Permian-Triassic	OF-1991-2
C-156673	105C/6	8	594800	6689100	60.32733	-133.28328	89-OF-JLU-155	Jackson, J.L.	French Range	conodonts	Phanerozoic	OF-1991-2
C-156725	104N/5	8	583300	6586300	59.40708	-133.53267	88-OF-FC-0001	Cole, F.	Kedahda	conodonts	Late Carboniferous	OF-1991-1
C-156726	105D/1	8	547400	6659620	60.07097	-134.14836	88-OF-FC-0003	Cole, F.	Horsefeed	conodonts	Phanerozoic	OF-1991-1
C-156727	105D/1	8	547525	6659533	60.07017	-134.14613	88-OF-FC-0005	Cole, F.	Horsefeed	conodonts	Late Carboniferous	OF-1991-1
C-156728	105D/1	8	547583	6659492	60.06980	-134.14510	88-OF-FC-0006	Cole, F.	Horsefeed	conodonts	Late Carboniferous	OF-1991-1
C-156729	105D/1	8	547625	6659556	60.07037	-134.14433	88-OF-FC-0007	Cole, F.	Horsefeed	conodonts	Late Carboniferous	OF-1991-1
C-156731	104N/6	8	590200	6588900	59.42899	-133.41008	88-OF-FC-0023	Cole, F.	Nakina	conodonts	Late Carboniferous	OF-1991-1

Note: Coordinates are North American Datum 1983

**Table 1.** Archival microfossil samples from the northern Cache Creek terrane (continued).

Curation Number	NTS Map	UTM Zone	Easting	Northing	Latitude	Longitude	Field Number	Collector	Formation	Microfossil Content	Reported Age	Report Number
C-156733	104N/6	8	586200	6589200	59.43253	-133.48044	88-OF-FC-0036	Cole, F.	Kedahda	conodonts	Late Carboniferous	OF-1991-1
C-156735	104N/6	8	588200	6589500	59.43480	-133.44507	88-OF-FC-0055	Cole, F.	Kedahda	conodonts	Permian	OF-1991-1
C-156736	104N/6	8	586300	6589300	59.43340	-133.47864	88-OF-FC-0065A	Cole, F.	Kedahda	other	Phanerozoic	OF-1991-1
C-156737	104N/6	8	586200	6589200	59.43253	-133.48044	88-OF-FC-0066A	Cole, F.	Kedahda	conodonts	Permian	OF-1991-1
C-167752	104N/6	8	609340	6593730	59.46780	-133.07044	89-MAB-ICG-070	Gretz, I.	Undivided	conodonts	Permian	MJO-1998-25
C-167755	104N/6	8	611775	6594075	59.47026	-133.02732	89-MAB-KAB-213	Bellefontaine, K.A.	Undivided	conodonts	Ordovician-Triassic	MJO-1998-25
C-167756	104N/6	8	609925	6595910	59.48721	-133.05901	89-MAB-KAB-196	Bellefontaine, K.A.	Undivided	conodonts	Triassic	MJO-1998-25
C-167759	104N/5	8	583900	6590850	59.44780	-133.52032	89-MAB-196	Bloodgood, M.	Undivided	conodonts	Permian	MJO-1998-25
C-167761	104N/5	8	578600	6594950	59.48564	-133.61225	89-MAB-KAB-104	Bellefontaine, K.A.	Undivided	conodonts	Permian	MJO-1998-25
C-167762	104N/6	8	585700	6588850	59.42949	-133.48939	89-MAB-ICG-076A	Gretz, I.	Undivided	conodonts	Late Triassic	MJO-1998-25
C-167765	104N/5	8	583750	6590950	59.44873	-133.52293	89-MAB-192A	Bloodgood, M.	Undivided	conodonts	Permian-Triassic	MJO-1998-25
C-167767	104N/6	8	585250	6588750	59.42868	-133.49736	89-MAB-272	Bloodgood, M.	Undivided	conodonts	Triassic	MJO-1998-25
C-167769	104N/6	8	595500	6596450	59.49559	-133.31333	89-MAB-KAB-303	Bellefontaine, K.A.	Undivided	other	Paleozoic	MJO-1998-25
C-167773	104N/6	8	585500	6588450	59.42594	-133.49307	89-MAB-268	Bloodgood, M.	Undivided	conodonts	Early Permian	MJO-1998-25
C-167774	104N/5	8	581500	6585200	59.39755	-133.56478	89-MAB-328	Bloodgood, M.	Undivided	other	Phanerozoic	MJO-1998-25
C-167776	104N/6	8	590350	6578300	59.33381	-133.41190	89-MAB-349	Bloodgood, M.	Undivided	conodonts	Late Carboniferous-Early Permian	MJO-1998-25
C-167792	104N/6	8	593470	6586060	59.40279	-133.35371	89-MAB-353	Bloodgood, M.	Horsefeed	other	Paleozoic	MJO-1998-25
C-168201	104N/6	8	588710	6590000	59.43919	-133.43588	89-MAB-KAB-070	Bellefontaine, K.A.	Undivided	conodonts	Ordovician-Triassic	MJO-1998-25
C-168202	104N/5	8	583800	6586090	59.40509	-133.52395	89-MAB-186	Bloodgood, M.	Undivided	conodonts	Permian-Early Triassic	MJO-1998-25
C-168203	104N/6	8	585500	6588010	59.42199	-133.49325	89-MAB-144	Bloodgood, M.	Undivided	conodonts	Late Triassic	MJO-1998-25
C-168204	104N/6	8	585550	6584225	59.38800	-133.49388	89-MAB-162	Bloodgood, M.	Undivided	conodonts	Permian-earliest Triassic	MJO-1998-25
C-168212	104N/6	8	588775	6589800	59.43738	-133.43482	89-MAB-LOU-15	Maddison, L.	Undivided	conodonts	Ordovician-Triassic	MJO-1998-25
C-168214	104N/5	8	583740	6590975	59.44896	-133.52309	89-MAB-192B	Bloodgood, M.	Undivided	conodonts	Middle-Late Triassic	MJO-1998-25
C-168215	104N/6	8	585250	6588750	59.42868	-133.49736	89-MAB-272A	Bloodgood, M.	Undivided	other	Paleozoic	MJO-1998-25
C-168216	104N/6	8	585250	6588750	59.42868	-133.49736	89-MAB-272B	Bloodgood, M.	Undivided	conodonts	Late Triassic	MJO-1998-25
C-168217	104N/6	8	589480	6584520	59.38983	-133.42460	89-MAB-ICG-47	Gretz, I.	Undivided	conodonts	Late Carboniferous-Permian	MJO-1998-25
C-168219	104N/6	8	589310	6584460	59.38933	-133.42761	89-MAB-ICG-48	Gretz, I.	Undivided	other	Paleozoic	MJO-1998-25
C-168220	104N/6	8	589200	6583510	59.38082	-133.42994	89-MAB-ICG-50B	Gretz, I.	Undivided	conodonts	Late Carboniferous-Permian	MJO-1998-25
C-176004	105C/5	8	557695	6690207	60.34424	-133.95472	91-GGA-01-03B	Gordey, S.P.	Undivided	barren	Indeterminate	N/A
C-176007	105C/5	8	557975	6690360	60.34558	-133.94960	91-GGA-1-4D	Gordey, S.P.	Undivided	conodonts	Ordovician-Triassic	OF-1993-31
C-176014	105C/5	8	559425	6698950	60.42248	-133.92079	91-GGA-13-3A	Gordey, S.P.	Undivided	conodonts	Late Triassic	OF-1993-31
C-176018	105C/5	8	571150	6700000	60.43001	-133.70754	91-GGA-5-11-3F	Stevens, R.	Undivided	conodonts	Late Carboniferous	OF-1993-31
C-176024	105C/2	8	615388	6675091	60.19629	-132.91872	91-GGA-5-18-02	Gordey, S.P.	Undivided	radiolarians	Phanerozoic	OF-1993-31
C-176028	105C/6	8	607375	6681345	60.25460	-133.05983	91-GGA-5-21-2	Stevens, R.	Undivided	conodonts	Late Carboniferous-Early Permian	OF-1993-31
C-176030	105C/5	8	563855	6701850	60.44784	-133.83943	91-GGA-24-3	Gordey, S.P.	Undivided	conodonts	Late Devonian-Early Carboniferous	OF-1993-31
C-176039	105C/5	8	565550	6696000	60.39505	-133.81055	91-GGA-21-10D	Gordey, S.P.	Undivided	conodonts	Ordovician-Triassic	OF-1993-31
C-176056	105C/3	8	586350	6663950	60.10348	-133.44694	91-GGA-32-22A/AFF-194-3	Cordey, F.	Undivided	conodonts	Late Triassic	OF-1993-31
C-176057	105C/5	8	571910	6689375	60.33450	-133.69755	91-GGA-41-10B	Gordey, S.P.	Undivided	conodonts	Late Carboniferous	OF-1993-31
C-176383	105C/12	8	574025	6709000	60.51028	-133.65198	90-GGA-17-10C	Gordey, S.P.	Nakina	conodonts	Late Permian	OF-1993-31
C-176393	105C/6	8	592687	6687612	60.31446	-133.32221	90-GGA-31-7A	Gordey, S.P.	Kedahda	conodonts	Late Carboniferous	OF-1993-31
C-176394	105C/6	8	595350	6686175	60.30095	-133.27471	90-GGA-33-10A	Gordey, S.P.	Kedahda	conodonts	Late Permian	OF-1993-31
C-176402	105C/6	8	593350	6688425	60.32161	-133.30984	90-GGA-29-3A	Gordey, S.P.	Kedahda	conodonts	Triassic	OF-1993-31
C-176495	104J/15	9	404936	6527466	58.87645	-130.64886	89-GA-70	Gabrielse, H.	Undivided	conodonts	Permian	OF-1992-4
C-177555	105C/3	8	598075	6677940	60.22639	-133.22943	90-GGA-34-01/AFF-53-4/AFF 53-3	Cordey, F.	Undivided	radiolarians	Late Triassic	N/A
C-177557	105C/3	8	598417	6677887	60.22583	-133.22328	90-GGA-34-02/AFF-54-2	Cordey, F.	Undivided	radiolarians	Late Triassic	N/A
C-177569	105C/3	8	599028	6676847	60.21635	-133.21277	90-GGA-34-05/AFF-56-6	Cordey, F.	Undivided	radiolarians	Early Jurassic	N/A
C-177571	105C/3	8	599028	6676847	60.21635	-133.21277	90-FC-57-2	Cordey, F.	Undivided	radiolarians	Late Triassic	N/A
C-177572	105C/3	8	599410	6676371	60.21199	-133.20611	90-GGA-34-06/AFF-58-1	Cordey, F.	Undivided	radiolarians	Late Triassic	N/A
C-177573	105C/3	8	599445	6676013	60.20877	-133.20565	90-GGA-34-07/AFF-59-1	Cordey, F.	Undivided	radiolarians	Late Triassic	N/A
C-177580	105C/3	8	600333	6673633	60.18719	-133.19082	90-GGA-34-15/AFF-63-2/AFF 62-3	Cordey, F.	Undivided	radiolarians	Early Jurassic	N/A
C-177581	105C/3	8	600094	6673025	60.18179	-133.19542	90-FC-63-3	Cordey, F.	Undivided	conodonts	Late Triassic	N/A
C-177585	105C/3	8	600094	6673025	60.18179	-133.19542	90-GGA-34-15/AFF-63-7	Cordey, F.	Undivided	radiolarians	Early Jurassic	N/A
C-177587	105C/3	8	600094	6673025	60.18179	-133.19542	90-GGA-34-15/AFF-63-9	Cordey, F.	Undivided	radiolarians	Early Jurassic	N/A
C-189503	104N/3	8	612055	6569241	59.24730	-133.03531	90CAS-MMI-11-3-2	Mihalynuk, M.	Undivided	conodonts	Ordovician-Triassic	OF-1991-16
C-189505	104N/11	8	588521	6597429	59.50591	-133.43613	90-CAS-MMI-19-2	Mihalynuk, M.	Undivided	other	Phanerozoic	OF-1991-16
C-202955	105C/5	8	574962	6698385	60.41482	-133.63892	93-CH-29-1	Hart, C.	Undivided	other	Phanerozoic	FC-1994-4

Note: Coordinates are North American Datum 1983



**Table 1.** Archival microfossil samples from the northern Cache Creek terrane (continued).

Curation Number	NTS Map	UTM Zone	Easting	Northing	Latitude	Longitude	Field Number	Collector	Formation	Microfossil Content	Reported Age	Report Number
C-202969	105D/10	8	525890	6713780	60.55917	-134.52784	94-CH-61-3	Hart, C.	Undivided	barren	Indeterminate	MJO-1995-32
C-220473	104N/2	8	622600	6553670	59.10464	-132.85932	01-OF-MMI-31-12	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-220474	104N/2	8	622580	6553675	59.10470	-132.85967	01-OF-MMI-31-13	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-220475	104N/2	8	622580	6553695	59.10487	-132.85966	01-OF-MMI-31-14	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-300003	105C/6	8	593616	6688322	60.32062	-133.30507	90-GGA-29-02/AFF-30-1	Cordey, F.	Undivided	radiolarians	Middle or Late Triassic	OF-1993-31
C-300004	105C/6	8	593344	6688429	60.32164	-133.30994	90-GGA-29-03/AFF-31-1	Cordey, F.	Undivided	radiolarians	Middle or Late Triassic	N/A
C-300010	105C/6	8	594952	6689449	60.33042	-133.28036	90-GGA-32-04/AFF-47-5	Cordey, F.	Undivided	radiolarians	Late Permian	OF-1993-31
C-300011	105C/6	8	595290	6691998	60.35322	-133.27304	90-GGA-32-08/AFF-48-1	Cordey, F.	Undivided	radiolarians	Mesozoic	OF-1993-31
C-300015	105C/3	8	598668	6677385	60.22127	-133.21900	90-GGA-34-04/AFF-55-3	Cordey, F.	Undivided	radiolarians	Late Triassic-Early Jurassic	OF-1993-31
C-300018	105C/3	8	599445	6676013	60.20877	-133.20565	90-GGA-34-07/AFF-59-1	Cordey, F.	Undivided	barren	Indeterminate	N/A
C-300019	105C/3	8	600288	6675063	60.20003	-133.19092	90-GGA-34-09/AFF-60-2	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300020	105C/3	8	600333	6673633	60.18719	-133.19082	90-GGA-34-13/AFF-62-1	Cordey, F.	Undivided	conodonts	Late Triassic	N/A
C-300027	105C/3	8	593918	6655013	60.02160	-133.31499	91-GGA-28-10/AFF-141	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300028	105C/3	8	594068	6655107	60.02241	-133.31226	91-GGA-28-11/AFF-142	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300029	105C/3	8	594652	6652792	60.00150	-133.30285	91-GGA-28-02/AFF-133	Cordey, F.	Undivided	radiolarians	Middle Triassic	OF-1993-31
C-300030	105C/3	8	594652	6652792	60.00150	-133.30285	91-GGA-28-02/AFF-134-4	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300031	105C/3	8	594492	6652677	60.00050	-133.30577	91-GGA-28-03/AFF-135	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300032	105C/3	8	594492	6652677	60.00050	-133.30577	91-GGA-28-03/AFF-136-1	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300033	105C/3	8	594407	6652756	60.00123	-133.30726	91-GGA-28-04/AFF-137	Cordey, F.	Undivided	radiolarians	Triassic	OF-1993-31
C-300034	105C/3	8	594337	6652866	60.00223	-133.30846	91-GGA-28-05/AFF-138	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300035	105C/3	8	594825	6654946	60.02079	-133.29875	91-GGA-29-01/AFF-145	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300036	105C/3	8	594825	6654946	60.02079	-133.29875	91-GGA-29-01/AFF-143	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300037	105C/3	8	594825	6654946	60.02079	-133.29875	91-GGA-29-01/AFF-146	Cordey, F.	Undivided	radiolarians	Early or Middle Triassic	OF-1993-31
C-300038	105C/3	8	594825	6654946	60.02079	-133.29875	91-GGA-29-01/AFF-144-1	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300039	105C/3	8	597613	6656741	60.03625	-133.24791	91-GGA-29-12/AFF-157	Cordey, F.	Undivided	radiolarians	Middle or Late Triassic	OF-1993-31
C-300040	105C/3	8	594751	6655427	60.02512	-133.29986	91-GGA-29-03/AFF-148	Cordey, F.	Undivided	radiolarians	Triassic	OF-1993-31
C-300041	105C/3	8	595036	6655733	60.02780	-133.29461	91-GGA-29-04/AFF-150-1	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300042	105C/3	8	595036	6655733	60.02780	-133.29461	91-GGA-29-04/AFF-141	Cordey, F.	Undivided	radiolarians	Late Triassic	N/A
C-300043	105C/3	8	596342	6655719	60.02737	-133.27119	91-GGA-29-06/AFF-139	Cordey, F.	Undivided	radiolarians	Mesozoic	OF-1993-31
C-300044	105C/3	8	596342	6655719	60.02737	-133.27119	91-GGA-29-06/AFF-151-1	Cordey, F.	Undivided	radiolarians	Latest Triassic-Early Jurassic	OF-1993-31
C-300045	105C/3	8	596342	6655719	60.02737	-133.27119	91-GGA-29-06/AFF-152-1	Cordey, F.	Undivided	radiolarians	Early Jurassic	OF-1993-31
C-300046	105C/3	8	596258	6655868	60.02873	-133.27263	91-GGA-29-07/AFF-140	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300047	105C/3	8	596258	6655868	60.02873	-133.27263	91-GGA-29-07/AFF-153-1	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300048	105C/3	8	596293	6655991	60.02983	-133.27194	91-GGA-29-08/AFF-154-2	Cordey, F.	Undivided	radiolarians	Early Jurassic	OF-1993-31
C-300049	105C/3	8	596372	6656140	60.03115	-133.27045	91-GGA-29-09/AFF-155-1	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300050	105C/3	8	599966	6669566	60.15078	-133.19943	91-GGA-30-01/AFF-158	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300054	105C/3	8	600258	6672389	60.17604	-133.19278	91-GGA-30-14/AFF-169	Cordey, F.	Undivided	radiolarians	Early Jurassic	N/A
C-300055	105C/3	8	599970	6669709	60.15206	-133.19929	91-GGA-30-02/AFF-159	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300056	105C/3	8	599979	6669767	60.15258	-133.19910	91-GGA-30-03/AFF-160	Cordey, F.	Undivided	radiolarians	Middle or Late Triassic	OF-1993-31
C-300057	105C/3	8	599992	6669831	60.15315	-133.19883	91-GGA-30-04/AFF-161	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300062	105C/3	8	603776	6671882	60.17061	-133.12967	91-GGA-31-02/AFF-170-1	Gordey, S.P.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300063	105C/3	8	602385	6671722	60.16953	-133.15480	91-GGA-31-04/AFF-171	Cordey, F.	Undivided	radiolarians	Phanerozoic	OF-1993-31
C-300079	105C/3	8	586358	6663929	60.10329	-133.44681	91-GGA-32-22/AFF-194-1	Cordey, F.	Undivided	radiolarians	Late Triassic	OF-1993-31
C-300510	105C/12	8	573131	6720377	60.61256	-133.66405	93-GGA-A-12-03	Gordey, S.P.	Nakina	barren	Indeterminate	N/A
C-300512	105C/12	8	573128	6720479	60.61348	-133.66407	93-GGA-B-12-04	Gordey, S.P.	Kedahda	radiolarians	Phanerozoic	N/A
C-300513	105C/5	8	580305	6681854	60.26542	-133.54855	93-GGA-A-31-07	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300514	105C/5	8	581121	6680304	60.25134	-133.53443	93-GGA-A-31-11	Gordey, S.P.	Undivided	radiolarians	possibly Triassic	N/A
C-300515	105C/4	8	578041	6677257	60.22459	-133.59123	93-GGA-A-32-09	Gordey, S.P.	Undivided	barren	Indeterminate	N/A
C-300516	105C/4	8	576729	6677289	60.22513	-133.61489	93-GGA-A-32-12	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300517	105C/4	8	572997	6674302	60.19900	-133.68331	93-GGA-A-33-06	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300518	105C/5	8	579461	6688455	60.32483	-133.56119	93-GGA-A-38-13	Gordey, S.P.	Undivided	radiolarians	Mesozoic	N/A
C-300519	105C/5	8	576284	6687736	60.31899	-133.61897	93-GGA-A-39-10	Gordey, S.P.	Undivided	radiolarians	Middle or Late Triassic	N/A
C-300524	105C/4	8	565254	6670966	60.17037	-133.82401	93-GGA-S-B-14-05	Stevens, R.	Undivided	radiolarians	Late Triassic	N/A
C-300525	105C/4	8	563370	6672714	60.18636	-133.85741	93-GGA-S-B-14-10	Stevens, R.	Undivided	radiolarians	Middle or Late Triassic	N/A
C-300526	105C/4	8	571408	6656132	60.03618	-133.71832	93-GGA-S-F-15-01	Stevens, R.	Undivided	radiolarians	Triassic	N/A
C-300527	105C/4	8	571408	6656132	60.03618	-133.71832	93-GGA-S-G-15-01	Stevens, R.	Undivided	radiolarians	Triassic	N/A

Note: Coordinates are North American Datum 1983

**Table 1.** Archival microfossil samples from the northern Cache Creek terrane (continued).

Curation Number	NTS Map	UTM Zone	Easting	Northing	Latitude	Longitude	Field Number	Collector	Formation	Microfossil Content	Reported Age	Report Number
C-300528	105C/4	8	569437	6654271	60.01981	-133.75432	93-GGA-S-B-15-04	Stevens, R.	Undivided	radiolarians	Indeterminate	N/A
C-300529	105C/4	8	567598	6664363	60.11071	-133.78397	93-GGA-S-B-16-05	Stevens, R.	Undivided	radiolarians	Late Triassic-Early Jurassic	N/A
C-300534	105C/6	8	585148	6680959	60.25640	-133.46143	93-GGA-S-B-26-03	Stevens, R.	Kedahda	radiolarians	Early Jurassic	N/A
C-300535	105C/3	8	584302	6679585	60.24424	-133.47728	93-GGA-S-B-26-04	Stevens, R.	Kedahda	radiolarians	Late Triassic-Early Jurassic	N/A
C-300536	105C/3	8	585796	6676179	60.21336	-133.45175	93-GGA-S-B-26-08	Stevens, R.	Kedahda	radiolarians	Late Triassic-Early Jurassic	N/A
C-300537	105C/3	8	583570	6673347	60.18840	-133.49307	93-GGA-S-B-27-03	Stevens, R.	Kedahda	radiolarians	Late Triassic	N/A
C-300538	105C/4	8	580528	6673378	60.18929	-133.54789	93-GGA-S-B-27-07	Stevens, R.	Undivided	radiolarians	Late Triassic	N/A
C-300539	105C/3	8	608648	6664907	60.10675	-133.04563	94-GGA-J-01-02-A	Jobin-Bevan, S.	Undivided	radiolarians	Late Triassic	N/A
C-300540	105C/3	8	601103	6658575	60.05186	-133.18440	94-GGA-03-04-C	Gordey, S.P.	Undivided	radiolarians	Early Jurassic	N/A
C-300541	105C/3	8	602739	6658414	60.05001	-133.15512	94-GGA-J-02-08-B	Jobin-Bevan, S.	Undivided	radiolarians	probably Late Triassic	N/A
C-300542	105C/3	8	600788	6656210	60.03071	-133.19121	94-GGA-03-12-B	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300543	105C/3	8	610047	6659115	60.05440	-133.02360	94-GGA-02-05-B	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300544	105C/3	8	605858	6658871	60.05332	-133.09891	94-GGA-J-02-05-B	Jobin-Bevan, S.	Undivided	radiolarians	Late Triassic	N/A
C-300545	105C/3	8	610061	6666672	60.12222	-133.01928	94-GGA-01-06-A	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300546	105C/3	8	607773	6659402	60.05758	-133.06426	94-GGA-02-07-A	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300547	105C/3	8	610517	6658799	60.05144	-133.01534	94-GGA-02-03-A	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300548	105C/3	8	600406	6656713	60.03532	-133.19782	94-GGA-03-11-A	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300549	105C/3	8	600349	6656946	60.03743	-133.19873	94-GGA-03-10-B	Gordey, S.P.	Undivided	radiolarians	Middle-Late Triassic	N/A
C-300550	105C/3	8	605371	6659029	60.05486	-133.10757	94-GGA-J-02-06-A	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300551	105C/3	8	602005	6658037	60.04681	-133.16848	94-GGA-03-03-B	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300552	105C/3	8	607613	6659680	60.06012	-133.06699	94-GGA-02-08-B	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300553	105C/3	8	608511	6666004	60.11664	-133.04751	94-GGA-01-10-A	Gordey, S.P.	Undivided	other	Phanerozoic	N/A
C-300554	105C/3	8	610061	6666672	60.12222	-133.01928	94-GGA-01-06-B	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300555	105C/3	8	606610	6664666	60.10513	-133.08240	94-GGA-J-01-09-B	Gordey, S.P.	Undivided	other	Phanerozoic	N/A
C-300556	105C/3	8	608725	6664900	60.10667	-133.04425	94-GGA-J-01-03-B	Jobin-Bevan, S.	Undivided	barren	Indeterminate	MJO-1995-19
C-300557	105C/3	8	608725	6664900	60.10667	-133.04425	94-GGA-J-01-03-C	Jobin-Bevan, S.	Undivided	conodonts	Late Permian	MJO-1995-19
C-300558	105C/3	8	591213	6656979	60.03985	-133.36262	94-GGA-04-05-A	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300559	105C/3	8	591757	6657849	60.04754	-133.35247	94-GGA-04-01-B	Gordey, S.P.	Undivided	radiolarians	Late Triassic	N/A
C-300560	105C/5	8	574497	6680464	60.25405	-133.65400	94-GGA-14-07-B	Gordey, S.P.	Undivided	radiolarians	Middle Triassic	N/A
C-300561	105C/5	8	574671	6680575	60.25501	-133.65082	94-GGA-14-08-A	Gordey, S.P.	Undivided	other	Indeterminate	N/A
C-300562	105C/6	8	596764	6680358	60.24841	-133.25193	94-GGA-15-04-A	Gordey, S.P.	Undivided	radiolarians	Middle or Late Triassic	N/A
C-300563	105C/6	8	597687	6681987	60.26281	-133.23447	94-GGA-15-07-B	Gordey, S.P.	Undivided	other	Phanerozoic	N/A
C-300564	105C/6	8	601627	6683039	60.27128	-133.16278	94-GGA-16-01-A	Gordey, S.P.	Undivided	barren	Indeterminate	MJO-1995-19
C-300565	105C/6	8	602906	6683931	60.27897	-133.13922	94-GGA-16-07-B	Gordey, S.P.	Undivided	radiolarians	Middle Triassic	N/A
C-300578	105C/6	8	598274	6686167	60.30018	-133.22184	94-GGA-J-15-02-A	Gordey, S.P.	Undivided	barren	Indeterminate	MJO-1995-19
C-300590	105C/5	8	575168	6698023	60.41154	-133.63531	94-GGA-S-03-02-A	Struik, L.C.	Undivided	conodonts	Late Carboniferous-Early Permian	MJO-1995-19
C-300591	105C/5	8	575019	6697621	60.40796	-133.63817	94-GGA-S-03-04-A	Struik, L.C.	Undivided	conodonts	Late Carboniferous	MJO-1995-19
C-300596	105C/2	8	626364	6656795	60.02889	-132.73223	94-GGA-23-04-A	Gordey, S.P.	Undivided	barren	Indeterminate	MJO-1995-19
C-300597	105C/2	8	626364	6656795	60.02889	-132.73223	94-GGA-23-03-B	Gordey, S.P.	Undivided	radiolarians	possibly Triassic	FC-1994-1
C-301417	105C/3	8	600288	6675063	60.20003	-133.19092	90-GGA-34-09/AFF-60-1C	Cordey, F.	Kedahda	radiolarians	Phanerozoic	N/A
C-301418	105C/6	8	590458	6685981	60.30033	-133.36327	90-GGA-31-05/AFF-45-1C	Cordey, F.	Kedahda	radiolarians	Phanerozoic	N/A
C-301419	105C/6	8	590458	6685981	60.30033	-133.36327	90-GGA-31-05/AFF-45-2C	Cordey, F.	Kedahda	radiolarians	Triassic	N/A
C-301420	105C/3	8	594787	6655270	60.02371	-133.29929	91-GGA-29-02/AFF-147	Cordey, F.	Kedahda	radiolarians	Late Triassic	N/A
C-302164	105C/3	8	591567	6657186	60.04163	-133.35618	94-GGA-04-03-B	Gordey, S.P.	Undivided	barren	Indeterminate	MJO-1995-19
C-302168	105C/5	8	572919	6684942	60.29453	-133.68088	94-GGA-J-13-06-D	Jobin-Bevan, S.	Undivided	radiolarians	Late Triassic	N/A
C-302169	105C/5	8	572909	6684803	60.29328	-133.68111	94-GGA-J-13-07-B	Jobin-Bevan, S.	Undivided	radiolarians	Middle or Late Triassic	N/A
C-302173	105C/3	8	592422	6664002	60.10262	-133.33776	94-GGA-J-03-01-B	Jobin-Bevan, S.	Undivided	radiolarians	Late Triassic	N/A
C-302174	105C/6	8	594284	6682439	60.26767	-133.29573	94-GGA-J-14-03-B	Jobin-Bevan, S.	Undivided	radiolarians	Middle or Late Triassic	N/A
C-306172	104N/2	8	640820	6567434	59.22250	-132.53263	01-OF-MMI-FDE-14-5	Devine, F.	Horsefeed	barren	Indeterminate	N/A
C-306173	104N/2	8	622805	6564497	59.20175	-132.84966	01-OF-MMI-FDE-16-5	Devine, F.	Horsefeed	conodonts	Ordovician-Triassic	N/A
C-306174	104N/3	8	615099	6556589	59.13294	-132.98866	01-OF-MMI-FDE-18-6	Devine, F.	Horsefeed	barren	Indeterminate	N/A
C-306175	104N/2	8	641345	6546812	59.03731	-132.53676	01-OF-MMI-FDE-31-1	Devine, F.	Horsefeed	barren	Indeterminate	N/A
C-306176	104N/2	8	625646	6559456	59.15568	-132.80286	01-OF-MMI-JEN-30-1	English, J.	Horsefeed	barren	Indeterminate	N/A
C-306177	104N/2	8	641331	6568004	59.22745	-132.52331	01-OF-MMI-14-22	Mihalynuk, M.	Horsefeed	barren	Indeterminate	N/A
C-306178	104N/2	8	619416	6544171	59.02030	-132.92004	01-OF-MMI-16-6	Mihalynuk, M.	Horsefeed	conodonts	Middle Triassic	N/A
C-306180	104N/2	8	626160	6551299	59.08233	-132.79858	01-OF-MMI-31-1A	Mihalynuk, M.	Horsefeed	barren	Indeterminate	N/A

Note: Coordinates are North American Datum 1983

**Table 1.** Archival microfossil samples from the northern Cache Creek terrane (continued).

Curation Number	NTS Map	UTM Zone	Easting	Northing	Latitude	Longitude	Field Number	Collector	Formation	Microfossil Content	Reported Age	Report Number
C-306181	104N/2	8	626160	6551299	59.08233	-132.79858	01-OF-MMI-31-1B	Mihalynuk, M.	Horsefeed	barren	Indeterminate	N/A
C-306182	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3A	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306183	104N/2	8	635289	6546238	59.03412	-132.64255	01-OF-MMI-YME-11-3A	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306184	104N/2	8	628028	6553236	59.09915	-132.76488	01-OF-MMI-YME-17-1	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306185	104N/2	8	627521	6552527	59.09294	-132.77414	01-OF-MMI-YME-17-6	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306186	104N/2	8	633081	6555787	59.12049	-132.67520	01-OF-MMI-YME-19-11	Merran, Y.	Horsefeed	conodonts	Middle Triassic	N/A
C-306187	104N/2	8	633980	6553869	59.10300	-132.66068	01-OF-MMI-YME-20-4	Merran, Y.	Horsefeed	conodonts	Permian	N/A
C-306188	104N/2	8	632567	6553666	59.10162	-132.68545	01-OF-MMI-YME-20-9	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306189	104N/2	8	632100	6560081	59.15933	-132.68972	01-OF-MMI-YME-21-6	Merran, Y.	Horsefeed	conodonts	Permian	N/A
C-306190	104N/2	8	630381	6560265	59.16151	-132.71965	01-OF-MMI-YME-22-9	Merran, Y.	Horsefeed	conodonts	Ordovician-Triassic	N/A
C-306191	104N/2	8	630968	6560595	59.16429	-132.70919	01-OF-MMI-YME-23-3	Merran, Y.	Horsefeed	conodonts	Late Carboniferous	N/A
C-306192	104N/1	8	647464	6554472	59.10396	-132.42511	01-OF-MMI-YME-24-1	Merran, Y.	Horsefeed	conodonts	Permian	N/A
C-306193	104N/2	8	636822	6550658	59.07329	-132.61311	01-OF-MMI-YME-31-5	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306194	104N/2	8	636907	6550539	59.07219	-132.61171	01-OF-MMI-YME-31-6	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306195	104N/2	8	637065	6550442	59.07127	-132.60901	01-OF-MMI-YME-31-7	Merran, Y.	Horsefeed	conodonts	Ordovician-Triassic	N/A
C-306238	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3B	Merran, Y.	Horsefeed	other	Phanerozoic	N/A
C-306239	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3C	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306240	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3D	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306241	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3E	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306242	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3F	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306243	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3G	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306244	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3H	Merran, Y.	Horsefeed	other	Indeterminate	N/A
C-306245	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3I	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306246	104N/2	8	638334	6545039	59.02238	-132.59030	01-OF-MMI-YME-10-3J	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306247	104N/2	8	635289	6546238	59.03412	-132.64255	01-OF-MMI-YME-11-3B	Merran, Y.	Horsefeed	other	Phanerozoic	N/A
C-306248	104N/2	8	635289	6546238	59.03412	-132.64255	01-OF-MMI-YME-11-3C	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306249	104N/2	8	635289	6546238	59.03412	-132.64255	01-OF-MMI-YME-11-3D	Merran, Y.	Horsefeed	barren	Indeterminate	N/A
C-306473	104N/3	8	586276	6556171	59.13601	-133.49227	02-OF-MMI-5-6	Mihalynuk, M.	Undivided	conodonts	Late Triassic	N/A
C-306474	104N/3	8	597468	6559108	59.15995	-133.29547	02-OF-MMI-12-12	Mihalynuk, M.	Undivided	conodonts	Late Carboniferous	N/A
C-306475	104N/3	8	587129	6558441	59.15621	-133.47646	02-OF-MMI-15-7-1	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-306476	104N/3	8	587129	6558441	59.15621	-133.47646	02-OF-MMI-15-7-2	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-306477	104N/3	8	593359	6548730	59.06771	-133.37172	02-OF-MMI-19-5-1	Mihalynuk, M.	Undivided	conodonts	Permian-Triassic	N/A
C-306478	104N/2	8	637560	6568420	59.23242	-132.58906	02-OF-MMI-31-10B	Mihalynuk, M.	Undivided	radiolarians	Phanerozoic	N/A
C-306479	104N/2	8	637506	6568382	59.23210	-132.59003	02-OF-MMI-31-11	Mihalynuk, M.	Undivided	conodonts	Mississippian	N/A
C-306479	104N/2	8	637506	6568382	59.23210	-132.59003	02-OF-MMI-31-11	Mihalynuk, M.	Undivided	radiolarians	Mississippian	N/A
C-306480	104N/2	8	627513	6568170	59.23332	-132.76514	02-OF-MMI-32-3	Mihalynuk, M.	Undivided	conodonts	Ordovician-Triassic	N/A
C-306481	104N/2	8	627321	6568372	59.23519	-132.76838	02-OF-MMI-32-4	Mihalynuk, M.	Undivided	conodonts	Permian	N/A
C-306482	104K/15	8	618929	6533263	58.92254	-132.93438	02-OF-MMI-34-1-4	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-306483	104N/2	8	621390	6543778	59.01622	-132.88590	02-OF-MMI-34-2-4	Mihalynuk, M.	Undivided	conodonts	Permian	N/A
C-306484	104K/10	8	630508	6490937	58.53933	-132.75802	02-OF-MMI-JEN-4-8	English, J.	Undivided	barren	Indeterminate	N/A
C-306485	104N/2	8	632676	6557634	59.13719	-132.68115	02-OF-MMI-JEN-11-5	English, J.	Undivided	barren	Indeterminate	N/A
C-306486	104N/3	8	591300	6546324	59.04656	-133.40861	02-OF-MMI-JEN-19-3A	English, J.	Undivided	conodonts	Late Triassic	N/A
C-306487	104N/3	8	591300	6546324	59.04656	-133.40861	02-OF-MMI-JEN-19-3B	English, J.	Undivided	conodonts	Late Triassic	N/A
C-306487	104N/3	8	591300	6546324	59.04656	-133.40861	02-OF-MMI-JEN-19-3B	English, J.	Undivided	radiolarians	Late Triassic	N/A
C-306488	104N/3	8	591300	6546324	59.04656	-133.40861	02-OF-MMI-JEN-19-3C	English, J.	Undivided	conodonts	Late Triassic	N/A
C-306489	104N/3	8	596123	6542004	59.00672	-133.32647	02-OF-MMI-JEN-22-16	English, J.	Undivided	barren	Indeterminate	N/A
C-306490	104N/3	8	596188	6542077	59.00736	-133.32531	02-OF-MMI-JEN-22-24	English, J.	Undivided	conodonts	Late Triassic	N/A
C-306493	104N/2	8	626505	6566355	59.21733	-132.78384	02-OF-MMI-JEN-33-11	English, J.	Undivided	conodonts	Ordovician-Triassic	N/A
C-306494	104K/14	8	609823	6522556	58.82886	-133.09772	02-OF-MMI-LLE-9-7	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-306495	104N/3	8	597151	6558292	59.15270	-133.30137	02-OF-MMI-ORO-P2-7A	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-306496	104N/3	8	597151	6558292	59.15270	-133.30137	02-OF-MMI-ORO-P2-7B	Mihalynuk, M.	Undivided	barren	Indeterminate	N/A
C-306497	104N/2	8	621387	6543781	59.01624	-132.88595	02-OF-MMI-FDE-2-1B	Devine, F.	Undivided	barren	Indeterminate	N/A
C-306906	104N/5	8	581613	6573638	59.29374	-133.56717	03-IG-MMI-29-12	Mihalynuk, M.	Undivided	conodonts	Late Triassic	MJO-2004-7
C-306969	104N/2	8	620190	6542388	59.00408	-132.90754	03-IG-MMI-5-3	Mihalynuk, M.	Kedahda	conodonts	Late Carboniferous	MJO-2004-7

Note: Coordinates are North American Datum 1983

**Table 2.** Conodont taxa reported from the northern Cache Creek terrane.

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
<b>Carboniferous</b>								
<i>Declinognathodus</i> sp.	C-156725	88-OF-FC-0001	104N/5	583300 6586300	OF-1991-1	N/A	Kedahda	Early-Middle Pennsylvanian
	C-156731	88-OF-FC-0023	104N/5	590200 6588900	OF-1991-1	N/A	Nakina	Early-Middle Pennsylvanian
<i>Diplognathodus</i> cf. <i>orphanus</i>	C-156727	88-OF-FC-0005	105D/1	547525 6659533	OF-1991-1	Cole <i>et al.</i> , 1992	Horsefeed	Middle Pennsylvanian
	C-156729	88-OF-FC-0007	105D/1	547625 6659556	OF-1991-1	Cole <i>et al.</i> , 1992	Horsefeed	Middle Pennsylvanian
	C-156733	88-OF-FC-0036	104N/5	586200 6589200	OF-1991-1	Cole <i>et al.</i> , 1992	Kedahda	Late Carboniferous
<i>Diplognathodus</i> ex gr. <i>coloradoensis</i>	C-156728	88-OF-FC-0006	105D/1	547583 6659492	OF-1991-1	Cole <i>et al.</i> , 1992	Horsefeed	Middle-Late Pennsylvanian
<i>Diplognathodus</i> sp.	C-167776	89-MAB-349	104N/6	590350 6578300	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Carboniferous-Permian
	C-168217	89-MAB-ICG-47	104N/6	589480 6584520	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Carboniferous-Permian
	C-168220	89-MAB-ICG-50B	104N/6	589200 6583510	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Carboniferous-Permian
<i>Geniculatus</i> sp.	C-306474	02-OF-MMI-12-12	104N/3	597468 6559108	N/A	N/A	Undivided	Bashkirian-Moscovian
<i>Gnathodus</i> aff. <i>girtyi</i>	C-143245	89-MAB-KAB-65	104N/6	589450 6591780	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Serpukhovian?
	C-143248	89-MAB-084	104N/6	589675 6589040	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Visean-Serpukhovian
<i>Gnathodus</i> cf. <i>bilineatus</i>	C-087061	MV-76-12d	104N/6	589368 6588227	OF-1993-28	N/A	Undivided	Late Visean- Early Namurian

**Table 2.** Conodont taxa reported from the northern Cache Creek terrane (continued).

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
	C-143235	89-MAB-050	104N/6	587290 6594860	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Serpukhovian
	C-143237	89-MAB-KAB-032	104N/6	599510 6592975	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Serpukhovian?
	C-143248	89-MAB-084	104N/6	589675 6589040	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Visean-Serpukhovian
	C-306479	02-OF-MMI-31-11	104N/2	637506 6568382	N/A	N/A	Undivided	Mississippian
<i>Gnathodus homopunctatus</i>	C-306479	02-OF-MMI-31-11	104N/2	637506 6568382	N/A	N/A	Undivided	Mississippian
<i>Gnathodus</i> sp.	C-087061	MV-76-12d	104N/6	589368 6588227	OF-1993-28	N/A	Undivided	Late Visean-Early Namurian
	C-176030	91-GGA-24-3	105C/5	563855 6701850	OF-1993-31	N/A	Unit 7	Famennian-Visean
<i>Gondolella laevis</i>	C-176018	91-GGA-S-11-3F	105C/5	571150 6700000	OF-1993-31	N/A	Unit 7	Bashkirian-Moscovian
<i>Gondolella</i> sp.	C-300590	94-GGA-S-03-02-A	105C/5	575168 6698023	MJO-1995-19	N/A	Unit 4	Bashkirian-Gzhelian
<i>Idiognathodus</i> sp.	C-087063	MV-76-12b	104N/6	589371 6588071	OF-1993-28	N/A	Undivided	Bashkirian-Moscovian
	C-117199	85-TD-TES-11	105C/5	557950 6685696	OF-1992-19	N/A	Undivided	Bashkirian-Asselian
	C-154209	87-LB-MHG-062	104N/6	596250 6594150	MJO-1998-24	N/A	Undivided	Late Carboniferous
	C-156727	88-OF-FC-0005	105D/1	547525 6659533	OF-1991-1	Cole <i>et al.</i> , 1992	Horsefeed	Middle Pennsylvanian
	C-156728	88-OF-FC-0006	105D/1	547583 6659492	OF-1991-1	Cole <i>et al.</i> , 1992	Horsefeed	Middle-Late Pennsylvanian



**Table 2.** Conodont taxa reported from the northern Cache Creek terrane (continued).

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
	C-156729	88-OF-FC-0007	105D/1	625 6659556	OF-1991-1	Cole <i>et al.</i> , 1992	Horsefeed	Middle Pennsylvanian
	C-176018	91-GGA-S-11-3F	105C/5	571150 6700000	OF-1993-31	N/A	Unit 7	Bashkirian-Moscovian
	C-176028	91-GGA-S-21-2	105C/6	607375 6681345	OF-1993-31	N/A	Unit 5	Bashkirian-Sakmarian
	C-176393	90-GGA-31-7A	105C/6	592687 6687612	OF-1993-31	N/A	Kedahda	Late Carboniferous
	C-176057	91-GGA-41-10B	105C/5	571910 6689375	OF-1993-31	N/A	Unnamed Member	Late Carboniferous
	C-300590	94-GGA-S-03-02-A	105C/5	575168 6698023	MJO-1995-19	N/A	Unit 4	Bashkirian-Gzhelian
	C-306474	02-OF-MMI-12-12	104N/3	597468 6559108	N/A	N/A	Undivided	Bashkirian-Moscovian
<i>Idiognathoides</i> sp.	C-087062	MV-76-11	104N/6	586495 6589709	OF-1993-28	N/A	Undivided	Bashkirian-Moscovian
	C-087063	MV-76-12b	104N/6	589371 6588071	OF-1993-28	N/A	Undivided	Bashkirian-Moscovian
	C-143223	88-MAB-300	104N/6	588880 6589360	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Bashkirian-Moscovian
	C-154210	87-LB-MHG-061G	104N/6	596040 6593830	MJO-1998-24	N/A	Undivided	Late Carboniferous
	C-156725	88-OF-FC-0001	104N/5	583300 6586300	OF-1991-1	N/A	Kedahda	Early-Middle Pennsylvanian
	C-176018	91-GGA-S-11-3F	105C/5	571150 6700000	OF-1993-31	N/A	Unit 7	Bashkirian-Moscovian
	C-176057	91-GGA-41-10B	105C/5	571910 6689375	OF-1993-31	N/A	Unnamed Member	Late Carboniferous
	C-306191	01-OF-MMI-YME-23-3	104N/2	630968 6560595	N/A	Mihalynuk <i>et al.</i> , 2003	Horsefeed	Bashkirian-Moscovian

**Table 2.** Conodont taxa reported from the northern Cache Creek terrane (continued).

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
	C-306474	02-OF-MMI-12-12	104N/3	597468 6559108	N/A	N/A	Undivided	Bashkirian-Moscovian
<i>Idioproniodus</i> sp.	C-156725	88-OF-FC-0001	104N/5	583300 6586300	OF-1991-1	N/A	Kedahda	Early-Middle Pennsylvanian
	C-156728	88-OF-FC-0006	105D/1	547583 6659492	OF-1991-1	Cole <i>et al.</i> , 1992	Horsefeed	Middle-Late Pennsylvanian
	C-156729	88-OF-FC-0007	105D/1	547625 6659556	OF-1991-1	Cole <i>et al.</i> , 1992	Horsefeed	Middle Pennsylvanian
<i>Lochriea commutata</i>	C-143235	89-MAB-050	104N/6	587290 6594860	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Serpukhovian
	C-143244	89-MAB-KAB-029	104N/6	599200 6593950	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Serpukhovian
	C-143248	89-MAB-084	104N/6	589675 6589040	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Visean-Serpukhovian
	C-154213	87-LB-MHG-010	104N/11	586085 6598070	MJO-1998-24	Lefebure and Gunning, 1989	Undivided	Serpukhovian
<i>Lochriea nodosa</i>	C-143235	89-MAB-050	104N/6	587290 6594860	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Serpukhovian
<i>Mesogondolella</i> sp.	C-176028	91-GGA-S-21-2	105C/6	607375 6681345	OF-1993-31	N/A	Unit 5	Bashkirian-Sakmarian
<i>Neognathodus</i> cf. <i>bassleri</i>	C-087062	MV-76-11	104N/6	586495 6589709	OF-1993-28	N/A	Undivided	Bashkirian-Moscovian
<i>Neognathodus</i> sp.	C-156725	88-OF-FC-0001	104N/5	583300 6586300	OF-1991-1	N/A	Kedahda	Early-Middle Pennsylvanian
	C-176057	91-GGA-41-10B	105C/5	571910 6689375	OF-1993-31	N/A	Unnamed Member	Late Carboniferous
	C-306191	01-OF-MMI-YME-23-3	104N/2	630968 6560595	N/A	Mihalynuk <i>et al.</i> , 2003	Horsefeed	Bashkirian-Moscovian

**Table 2.** Conodont taxa reported from the northern Cache Creek terrane (continued).

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
<i>Polygnathus</i> sp.	C-176030	91-GGA-24-3	105C/5	563855 6701850	OF-1993-31	N/A	Unit 7	Famennian-Visean
<i>Protognathodus</i> sp.	C-176030	91-GGA-24-3	105C/5	563855 6701850	OF-1993-31	N/A	Unit 7	Famennian-Visean
<i>Pseudopolygnathus</i> sp.	C-176030	91-GGA-24-3	105C/5	563855 6701850	OF-1993-31	N/A	Unit 7	Famennian-Visean
<i>Rachistognathus</i> sp.	C-108209	88-TOA-CH-5-3	105D/2	526783 6654396	OF-1993-56	N/A	Kedahda	Namurian
<b>Permian</b>								
<i>Diplognathodus</i> cf. <i>oertlii</i>	C-156737	88-OF-FC-0066A	104N/6	586200 6589200	OF-1991-1	Cole <i>et al.</i> , 1992	Kedahda	Permian
<i>Ellisonia</i> sp.	C-143231	89-MAB-004	104N/6	594220 6582995	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian-Triassic
	C-168202	89-MAB-186	104N/5	583800 6586090	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian-Triassic
	C-168204	89-MAB-162	104N/6	585550 6584225	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian-Triassic
	C-306187	01-OF-MMI-YME-20-4	104N/2	633980 6553869	N/A	Mihalynuk <i>et al.</i> , 2003	Horsefeed	Permian
<i>Hindeodus</i> sp.	C-143231	89-MAB-004	104N/6	594220 6582995	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian-Triassic
	C-143234	89-MAB-018	104N/6	595275 6585750	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
	C-168204	89-MAB-162	104N/6	585550 6584225	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian-Triassic
	C-176394	90-GGA-33-10A	105C/6	595350 6686175	OF-1993-31	N/A	Kedahda	Permian
	C-306187	01-OF-MMI-YME-20-4	104N/2	633980 6553869	N/A	Mihalynuk <i>et al.</i> , 2003	Horsefeed	Permian
	C-306189	01-OF-MMI-YME-21-6	104N/2	632100 6560081	N/A	Mihalynuk <i>et al.</i> , 2003	Horsefeed	Permian

**Table 2.** Conodont taxa reported from the northern Cache Creek terrane (continued).

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
<i>Neogondolella</i> sp.	C-108205	88-TOA-CH-4-5	105D/2	527643 6653164	OF-1993-56	N/A	Kedahda	Permian
	C-143216	88-CRE-49	104N/12	578410 6597805	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
	C-143229	88-CRE-44	104N/12	579899 6598175	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
	C-143234	89-MAB-018	104N/6	595275 6585750	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
	C-156672	89-OF-JLT-148	105C/6	593834 6687681	OF-1991-2	Jackson, 1992	Kedahda	Permian-Triassic
	C-156735	88-OF-FC-0055	104N/6	588200 6589500	OF-1991-1	Cole <i>et al.</i> , 1992	Kedahda	Permian
	C-167752	89-MAB-ICG-070	104N/6	609340 6593730	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
	C-167759	89-MAB-196	104N/5	583900 6590850	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
	C-167761	89-MAB-KAB-104	104N/5	578600 6594950	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
	C-176394	90-GGA-33-10A	105C/6	595350 6686175	OF-1993-31	N/A	Kedahda	Permian
	C-176495	89-GA-70	104J/15	404936 6527466	OF-1992-4	N/A	Undivided	Permian
	C-300557	94-GGA-J-01-03-C	105C/3	608725 6664900	MJO-1995-19	N/A	Unit 4	Permian
	C-306483	02-OF-MMI-34-2-4	104N/2	621390 6543778	N/A	N/A	Undivided	Permian
<i>Streptognathodus</i> sp.	C-167773	89-MAB-268	104N/6	585500 6588450	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
<i>Sweetognathus</i> sp.	C-108205	88-TOA-CH-4-5	105D/2	527643 6653164	OF-1993-56	N/A	Kedahda	Permian

**Table 2.** Conodont taxa reported from the northern Cache Creek terrane (continued).

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
	C-167773	89-MAB-268	104N/6	585500 6588450	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Permian
	C-176383	90-GGA-17-10C	105C/12	574025 6709000	OF-1993-31	N/A	Nakina	Permian
	C-176394	90-GGA-33-10A	105C/6	595350 6686175	OF-1993-31	N/A	Kedahda	Permian
	C-300557	94-GGA-J-01-03-C	105C/3	608725 6664900	MJO-1995-19	N/A	Unit 4	Permian
	C-306192	01-OF-MMI-YME-24-1	104N/1	647464 6554472	N/A	Mihalynuk <i>et al.</i> , 2003	Horsefeed	Permian
	C-306481	02-OF-MMI-32-4	104N/2	627321 6568372	N/A	N/A	Undivided	Permian
<b>Triassic</b>								
<i>"Epigondolella" bidentata</i>	C-306473	02-OF-MMI-5-6	104N/3	586276 6556171	N/A	N/A	Undivided	Late Norian-Rhaetian
	C-306487	02-OF-MMI-JEN-19-3B	104N/3	591300 6546324	N/A	N/A	Undivided	Middle Norian-Rhaetian
	C-306490	02-OF-MMI-JEN-22-24	104N/3	596188 6542077	N/A	N/A	Undivided	Middle Norian-Rhaetian
<i>"Epigondolella" englandi</i>	C-306473	02-OF-MMI-5-6	104N/3	586276 6556171	N/A	N/A	Undivided	Late Norian-Rhaetian
<i>"Epigondolella" mosheri</i>	C-176056	91-GGA-32-22A	105C/3	586350 6663950	OF-1993-31	N/A	Undivided	Late Norian
<i>"Epigondolella" quadrata</i>	C-167762	89-MAB-IGC-076A	104N/6	585700 6588850	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Early Norian
<i>"Epigondolella" tozeri</i>	C-306486	02-OF-MMI-JEN-19-3A	104N/3	591300 6546324	N/A	N/A	Undivided	Middle Norian
<i>"Epigondolella" sp.</i>	C-101892	80-MV-T3	105C/3	587434 6663069	OF-1993-28	Orchard, 1987	Unit 4a	Late Carnian-Early Norian
	C-168203	89-MAB-144	104N/6	585550 6584225	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Early-Middle Norian



**Table 2.** Conodont taxa reported from the northern Cache Creek terrane (continued).

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
	C-176014	91-GGA-13-3A	105C/3	559425 6698950	OF-1993-31		Undivided	Norian
<i>"Metapolygnathus" carpathicus</i>	C-306906	03-IG-MMI-29-12	104N/5	581613 6573638	MJO-2004-7	N/A	Undivided	Late Carnian
<i>"Metapolygnathus" nodosus</i>	C-306906	03-IG-MMI-29-12	104N/5	581613 6573638	MJO-2004-7	N/A	Undivided	Late Carnian
<i>"Metapolygnathus" polygnathiformis</i>	C-306906	03-IG-MMI-29-12	104N/5	581613 6573638	MJO-2004-7	N/A	Undivided	Late Carnian
<i>"Metapolygnathus" pseudoechinatus</i>	C-143225	88-MAB-262	104N/11	597750 6598525	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Late Carnian
<i>"Metapolygnathus" sp.</i>	C-156653	89-OF-JLT-009	105C/3	599941 6669272	OF-1991-2	Jackson, 1992	Kedahda	Early Carnian
	C-168216	89-MAB-272B	104N/6	585250 6588750	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Late Carnian- Early Norian
	C-176056	91-GGA-32-22A	105C/3	586350 6663950	OF-1993-31	N/A	Undivided	Late Norian
	C-306906	03-IG-MMI-29-12	104N/5	581613 6573638	MJO-2004-7	N/A	Undivided	Late Carnian
<i>Misikella posthernsteini</i>	C-156617	88-OF-JLT-105	105C/6	590755 6684972	OF-1991-2	Jackson, 1992	Kedahda	Late Norian
<i>"Neogondolella" inclinata</i>	C-306178	01-OF-MMI-16-6	104N/2	619416 6544171	N/A	Mihalynuk <i>et al.</i> , 2003	Horsefeed	Ladinian
<i>"Neogondolella" szaboi</i>	C-306186	01-OF-MMI-YME-19-11	104N/2	633081 6555787	N/A	Mihalynuk <i>et al.</i> , 2003	Horsefeed	Middle Triassic
<i>Neogondolella sp.</i>	C-156612	88-OF-JLT-78	105C/4	576581 6657415	OF-1991-2	Jackson, 1992	Kedahda	Middle Triassic
	C-156620	88-OF-JLT-120	105C/6	588384 6687700	OF-1991-2	Jackson, 1992	Kedahda	Triassic
	C-168214	89-MAB-192B	104N/5	583740 6590975	MJO-1998-25	Bloodgood <i>et al.</i> , 1989	Undivided	Middle-Late Triassic

**Table 2.** Conodont taxa reported from the northern Cache Creek terrane (continued).

Conodont	Curation Number	Field Number	NTS Map Area	UTM Coordinates	Report Number	Publication	Formation	Reported Age of Sample
	C-176014	91-GGA-13-3A	105C/3	559425 6698950	OF-1993-31	N/A	Undivided	Norian
	C-176056	91-GGA-32- 22A	105C/3	586350 6663950	OF-1993-31	N/A	Undivided	Late Norian
	C-176402	90-GGA-29-3A	105C/6	593350 6688425	OF-1993-31	N/A	Kedahda	Triassic
<i>Nicoraella</i> sp.	C-167756	89-MAB-KAB- 196	104N/6	609925 6595910	MJO-1998- 25	Bloodgood <i>et al.</i> , 1989	Undivided	Triassic
<i>Parvigondolella</i> sp.	C-176056	91-GGA-32- 22A	105C/3	586350 6663950	OF-1993-31	N/A	Undivided	Late Norian