Appendix A2: biostratigraphy

Report on 5 productive micro fossil samples submitted for analysis by E. Bordet, Yukon Geological Survey (2016)

Laberge (105E) Map Area

**M. Golding**

**Geological Survey of Canada (Vancouver)**

**Sample: 16EB-018-1**

**GSC Curation Number:** V-003787

**NTS:** 105-E-02

**Collector:** Esther Bordet

**Geography:** Lat/Long: 61.00160467° N -134.8274613° E

**Field Station:** 16EB-018, Located East of Mount Laurier

**Stratigraphy:** Hancock Member, Aksala Fm, Lewes River Gp (Upper Triassic)

**Lithology:** grey weathered massive mudstone limestone

**Paleontology:** Mockina cf. englandi (Orchard 1991) - 1 specimen

Interpretation

**Age:** Late Triassic, Norian - Late Triassic, Rhaetian

**CAI:** 6

**Note:** 1075g residue remains unprocessed. Sample partially (1/4) picked.

Collector assigned a Late Triassic, Carnian - Late Triassic, Rhaetian age

**Sample: 16EB-175-1**

**GSC Curation Number:** V-003795

**NTS:** 105-E-03

**Collector:** Esther Bordet

**Geography:** Lat/Long: 61. l 7 5 548° N -135.0294582° E NAD83

**Field Station:** 16EB-175-1, Located East shore Lake Laberge, west of Hancock Hills

**Stratigraphy:** Hancock Member, Aksala Fm, Lewes River Gp (Upper Triassic)

**Lithology:** limestone, massive, bioclastic

**Paleontology:** conodont fragment - 1 specimen

Interpretation

**Age:** Ordovician - Triassic

**Note:** 340g undissolved residue remains. Sample partially (1/4) picked.

Collector assigned a Late Triassic, Carnian - Late Triassic, Rhaetian age

**Sample: 16EB-288-1**

**GSC Curation Number:** V-003798

**NTS:** 105-E-03

**Collector:** Esther Bordet

**Geography:** Lat/Long: 61.2139315°N -135.1783285° E

**Field Station:** 16EB-288-1; Located East shore Lake Laberge

**Stratigraphy:** Hancock Member, Aksala Fm, Lewes River Gp (Upper Triassic)

**Lithology:** massive bedded mudstone limestone

**Paleontology:** Mockina cf. englandi (Orchard 1991) - 2 specimens ichthyoliths

Interpretation

**Age:** Late Triassic, Norian - Late Triassic, Rhaetian

**CAI:** 6

**Note:** 495g undissolved residue remains. Sample partially (1/4) picked.

Collector assigned a Late Triassic, Carnian - Late Triassic, Rhaetian age

**Sample: 16EB-539-2**

**GSC Curation Number:** V-003809

**NTS:** 105-E-03

**Collector:** Esther Bordet

**Geography:** Lat/Long: 61.086002° N -135.062978° E NAD83

**Field Station:** 16EB-539-2; Located East shore Lake Laberge, south of Laurier Creek

**Stratigraphy:** Hancock Member, Aksala Fm, Lewes River Gp (Upper Triassic)

**Lithology:** massive limestone mudstone

**Paleontology:** Mockina cf. englandi (Orchard 1991) - 11 specimens Sphaeromorphs

Interpretation

**Age:** Late Triassic, Norian - Late Triassic, Rhaetian

**CAI:** 5

**Note:** 1375g undissolved residue remains. Sample partially (1/2) picked.

Collector assigned a Late Triassic, Carnian - Late Triassic, Rhaetian age

**Sample: 16EB-547-2**

**GSC Curation Number:** V-003810

**NTS:** 105-E-03

**Collector:** Esther Bordet

**Geography:** Lat/Long: 61.07014367° N -135.0673745° E

**Field Station:** 16EB-547-2; Located East shore Lake Laberge

**Stratigraphy:** Hancock Member, Aksala Fm, Lewes River Gp (Upper Triassic)

**Lithology:** medium bedded limestone

**Paleontology:** Mockina sp. - 1 specimen

Interpretation

**Age:** Late Triassic, Norian - Late Triassic, Rhaetian

**CAI:** 5

**Note:** 1540g undissolved residue remains. Sample partially (1/4) picked.

Collector assigned a Late Triassic, Carnian - Late Triassic, Rhaetian age