

Rhabdonema Kütz.**Rhabdonema arcuatum** (Ag.) Kütz.

This also is a marine form found in the mud of the lake at Bernard harbour, February, 1916.

PENNATAE.

DIATOMEAE.

Diatoma DC.**Diatoma vulgare** Bory

This species was only found in two collections made August, 1915, at Bernard harbour. A few were seen in the sample obtained from the brackish pond and more were found in the plankton from the big lake. It was not abundant although found in most freshwater areas.

Denticula Kütz.**Denticula tenuis** Kütz.

This species was somewhat more frequent than the last named. It was found at Camden bay, July 4, 1914, in the big lake at Bernard harbour, June, 1915, July, 1916, and in the stomach of a fish taken October 4, 1915.

Opephora P. Petit.**Opephora Schwartzii** (Grun.) P. Petit

This species was found only in a collection taken from the lagoon lake at Teller, August, 1913. It was not numerous.

SYNEDREAE.

Synedra Char. Em.**Synedra amphi-cephala** Kütz.

This also was very limited in its distribution, being found only at Bernard harbour, at the creek mouth and the big lake, July, 1915.

Synedra Ulna (Nitz.) Ehr.

This diatom was fairly plentiful, being found in freshwater samples obtained in July and August, 1913, at Teller, and at Bernard harbour during July and August, 1915, and February, 1916, in the plankton; also in a fish stomach obtained October 4, 1915.

Asterionella Hass.**Asterionella formosa** Hass.

This is a common lake plankton diatom but was not very numerous in these northern collections. It was found in the plankton of the big lake, Bernard harbour, July and September, 1915, June, 1916, and also at the creek mouth, July, 1915.

EUNOTIEAE.

Eunotia Ehr.**Eunotia gracilis** (Ehr.) Rab.

This species was found only at Teller, where it occurred both in the brackish pond and the lagoon lake, August, 1913. It was not very numerous.