

12 inches in diameter. These break out readily, forming circular discs much resembling crude grindstones. The name for this prominent point on the lake may possibly have been derived from the finding of these "grindstones" on the shore as well as from the fact of there being there the material (sandstone) from which grindstones could be manufactured.

CAT HEAD BEDS.

Above the lower mottled limestone are seen several sections of a fine grained evenly coloured yellow dolomitic limestone with numerous concretions of dark coloured chert filling cavities, apparently left by the decay of corals or soft bodied animals. Examples of these beds are seen in the high cliff at Cat Head and along the shore to Lynx Bay. At the western end of the section three miles west of Cat Head the cherty concretions attain large dimensions. Several are over a foot in length and one measured 2 feet by 10 inches. The lower beds are fine grained, resembling lithographic stone and are very rich in fossil remains.

The total thickness of these beds, as observed on the lake, is 68 feet. This includes the top beds of Cat Head and Outer Sturgeon Island which are similar in colour but coarser in texture, becoming finely crystalline.

The area outlined on the sketch map is proposed as a diagram of the theoretical outcrop of these rocks, but owing to the mantle of drift exposures are not always to be had, thus in the southern part east of Selkirk no exposures of this series at the surface so far are known, but the existence of similar beds is shown below the Selkirk rock in the drilling made for a well at Selkirk. Similarly no exposures west of Big Island are known, but on the beach on the westward side south of Icelandic River numerous fragments of the fine grained rocks are found. On Fisher Bay loose fragments are found on the islands, but the shores are all low and there are no rock exposures. The south point of Reindeer Island is probably underlain by these rocks and fine grained yellow beds exposed at the base of cliffs on the mainland southwest of this island may probably also belong to this series. The eastern end of Long Point is covered with drift deposit, but near the northern end of the lake at the