

the Gulf of St. Lawrence to the Straits of Belle Isle, from near the Mingan Islands.

Murray was instructed to make explorations west of Sault Ste. Marie, on the coast of Lake Superior. His assistant this year was R. Bell, who made many of the necessary surveys, such as a triangulation of Bachewanung Bay and Goulais Bay and River. A visit was paid to the Limestone Mountains near Lake Anne on the south shore. After Murray had sailed for Sarnia, the party under Bell coasted the north shore to Bruce Mines, calling at the Manitoulin Islands. and collecting fossils. From Collingwood, Bell ran several long lines of levels through the townships south, and also established heights of points on the Blue Mountains. The surface geology of this region was also studied.

Lowe made surveys in Grenville and Chatham Townships, Quebec.

1861.

Logan was mostly in the Eastern Townships, but in November he visited Phillipsburgh and Swanton, Vermont, making many sections of the Phillipsburgh series, which were published in the report of 1863.

Richardson spent the season in Newfoundland on the west shore.

Murray visited several points along the escarpment near Owen Sound, and then went up the lake to Drummond Island, calling at Colpoys Bay, Gun Point and Flowerpot Island. The first part of September he was on Barr River and Lake George.

Bell worked out the distribution of the formations westward of the Niagara escarpment in the counties of Grey, Bruce, Huron, Wellington, Waterloo, Perth, Brant and Haldimand. He also collected specimens for the International Exhibition of 1862.

Lowe made surveys in the vicinity of Grenville, Quebec, in De Salabery Township.

1862.

Logan was a juror at the International Exhibition, London, but made a short trip in August to Point Levis and Island of Orleans. In September he paid a visit to Phillipsburgh and Swanton, Vt.