Geological and Natural History Survey of Canada.

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1884.

Note: A.B. *indicates Laurentian and Huronian, included in the term Pre-Cambrian and coloured alike*

Sheet 19 — No. 22.

NOTE 1.—The exact position of the faults is at many points doubtful. The interpretation of the structure of this basin given in the Report for 1879-80, Pages 4, 54, 67, 75, 86and 117, differs from that on the map in several particulars. The beds east of Little River are those of Hawkesbury, Janvrin Island and West Bay; the lower part of the productive coal measures is represented by the seams at Coal Brook, Little River and Seacoal Bay; the rocks of Freeman and Evans Islands are in part Lower Carboniferous and those of the section at Carleton Head (Page 74 F.) are not "higher then those between Bear Island and Plaster Cove" but immediately overlie the gypsum No 145 of Page 83 F.; the thickness of strata overlying those at the bridge, at the head of Hawkesbury (Ship) Harbour is only 7205 feet. (It may possibly be still further diminished by faults between Little River and Hawkesbury) and the total thickness 18,889 feet.

NOTE 2.—The boundary between G1 and G2 is a somewhat arbitrary line, drawn about 2000 feet above the Leaia bed, (Report for 1879-80. Page 82 F). Perhaps the lower red beds of G2, seen in the cliffs northwest and southeast of Hawkesbury, should more properly be included in G1 The succession however, is everywhere plain.

NOTE 3.—G1M generally denotes the formation called Carboniferous Conglomerate by Mr. Brown, ("Coal Fields of Cape Breton,") and in reports of the Geological Survey, 1875-9, and characterized by the absence of beds of limestone and gypsum of economic value.

Explanation of Colours and Signs.

G2 — *Middle Carboniferous. (Millstone grit & Coal measures?)*

G1 — *Lower Carboniferous.*

G1 M. — *Do. Metamorphic.*

F. — *Devonian.*

A.B.3 — *Upper Pre-Cambrian (George River Limestone)*

A.B. — *Pre-Cambrian.*

Do. Di. — *Dolerite, Diorite &c.*

Geological boundaries.

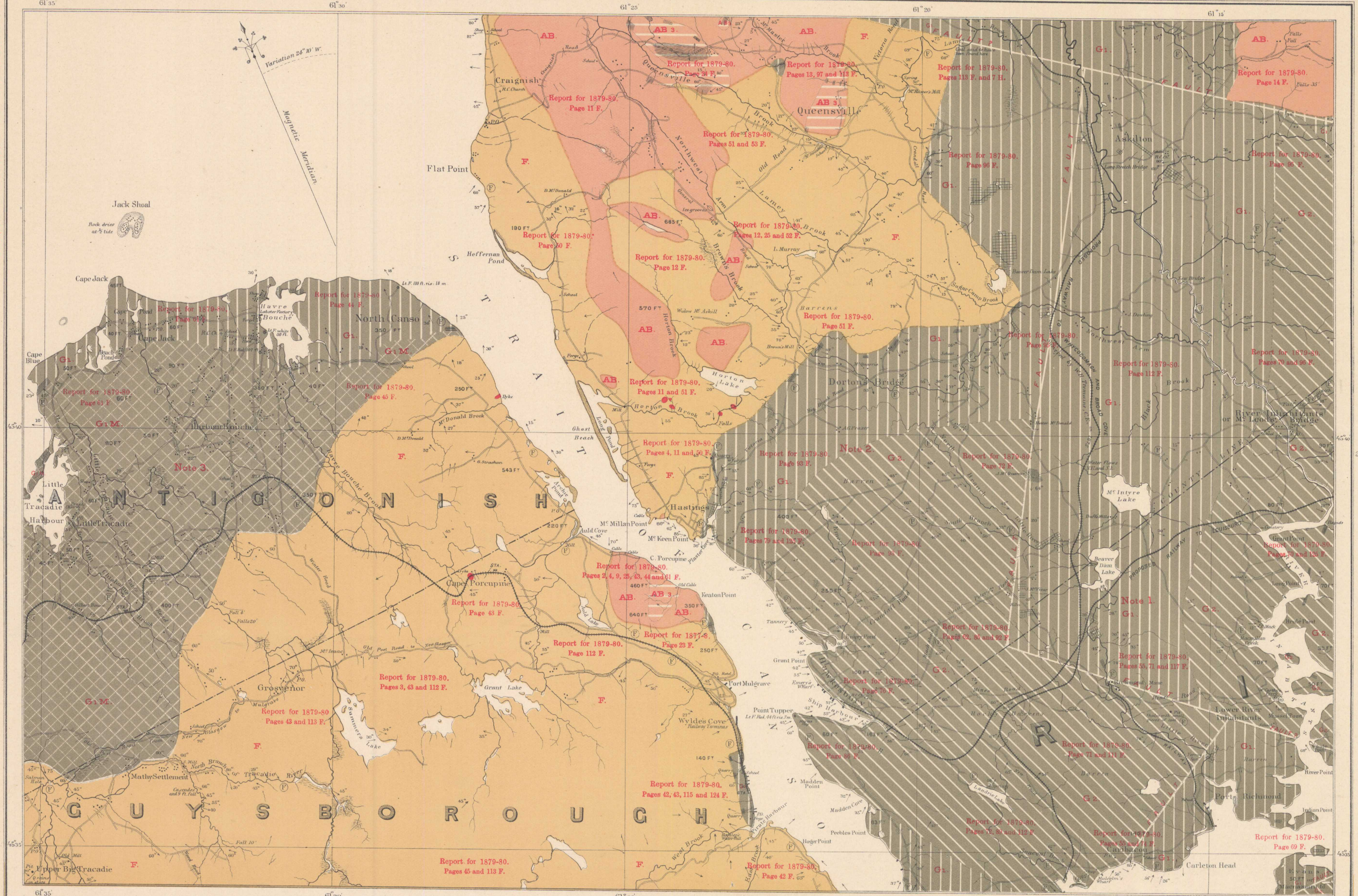
" " not traced

County boundaries.

Dips. Strikes. Fossils. Limestone.

Gypsum. Striated rocks.

Mineral spring. Coal Crops.



Compiled and drawn by Hugh Fletcher, from plans made by the Admiralty, the Department of Crown Lands, Nova Scotia, and the Geological Survey.

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The Burland Lith. Company Montreal.

To illustrate reports by Hugh Fletcher, 1879 to 1884.

PROVINCE OF NOVA SCOTIA.
(Island of Cape Breton)

Nat. Scale : 1/63,360

Scale 1 mile to one inch.

1 ¾ ½ ¼ 0 1 2 3 Miles

Strait of Canso sheet

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