GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

PRELIMINARY SERIES

2 E/10 AND PART OF 2 E/7

LEGEND

DEVONIAN ?

15	Porphyritic pink to grey granodiorite
14	Granodiorite; 14a, contaminated phase with numerous inclusions of amphibolite and basic volcanic rocks, possibly older than 9
13	Diorite and gabbro, possibly older than 9

PALAEOZOIC

SILURIAN

BOTWOOD GROUP (9–12)

12	Grey to green cross-laminated sandstone and quartzite
11	Green to black amygdaloidal lava and associated pyroclastic rocks
10	Grey fossiliferous argillite, minor silty conglomerate (includes Pike Arm Formation)
9	GOLDSON FORMATION: coarse red and grey conglomerate, red and grey sandstone, minor fossiliferous shale interbeds; 9a, mainly coarse red conglomerate; 9b, grey sandstone and quartzite

SILURIAN AND POSSIBLY ORDOVICIAN

8	Interbedded greywacke, siltstone, and argillite, minor pebble conglomerate beds

ORDOVICIAN

7	Black slate and siliceous argillite, grey slate and siltstone, minor sandstone and limestone; minor unseparated volcanic rocks
6	Crystalline limestone, minor limy shale
5	Grey sandstone, siltstone, and argillite
4	Green pillow lava and related pyroclastic rocks; minor sandstone, siltstone, argillite, limestone

SNOOKS ARM AND/OR LUSHS BIGHT GROUP (1–3)

3	Interbedded grey quartzite and siliceous silty argillite, some chert
2	Grey, green to purple and red chert, siliceous argillite, quartzite, includes minor acidic flow rocks
1	Altered green lava and pyroclastic rocks with unseparated medium-grained diorite, green and red pillow lava, acidic volcanic rocks, chert, siliceous argillite, and quartzite; 1a, basaltic pillow lava

Geological boundary (defined, approximate and assumed)

Bedding, tops known (horizontal, inclined, vertical, overturned, dip unknown)

Bedding, tops unknown (inclined, vertical)

Schistosity, cleavage (inclined, vertical)

Drag fold (arrow indicates direction of plunge)

Fault (defined, approximate, assumed)

Syncline (arrow indicates direction of plunge)

Syncline, overturned (arrow indicates direction of plunge)

Fossil locality

Mineral occurrences ×py

Mineral prospect, test pit, or trench ⚒sp

Shaft or quarry (exploration, abandoned production, producing)

Adit

MINERALS

Antimony	Sb	Gold	Au
Arsenopyrite	asp	Limestone	ls
Chalcopyrite	cp	Pyrite	py
Galena	gn	Sphalerite	sp

Geology of eastern New World Island and Port Albert Peninsula after T. O. H. Patrick (1953–55), in part; geology of remainder of area and compilation by H. Williams 1962

Cartography by the Geological Survey of Canada, 1963

Roads, all weather

Other roads

Cart track

Trail

District boundary

Post Office

Intermittent stream

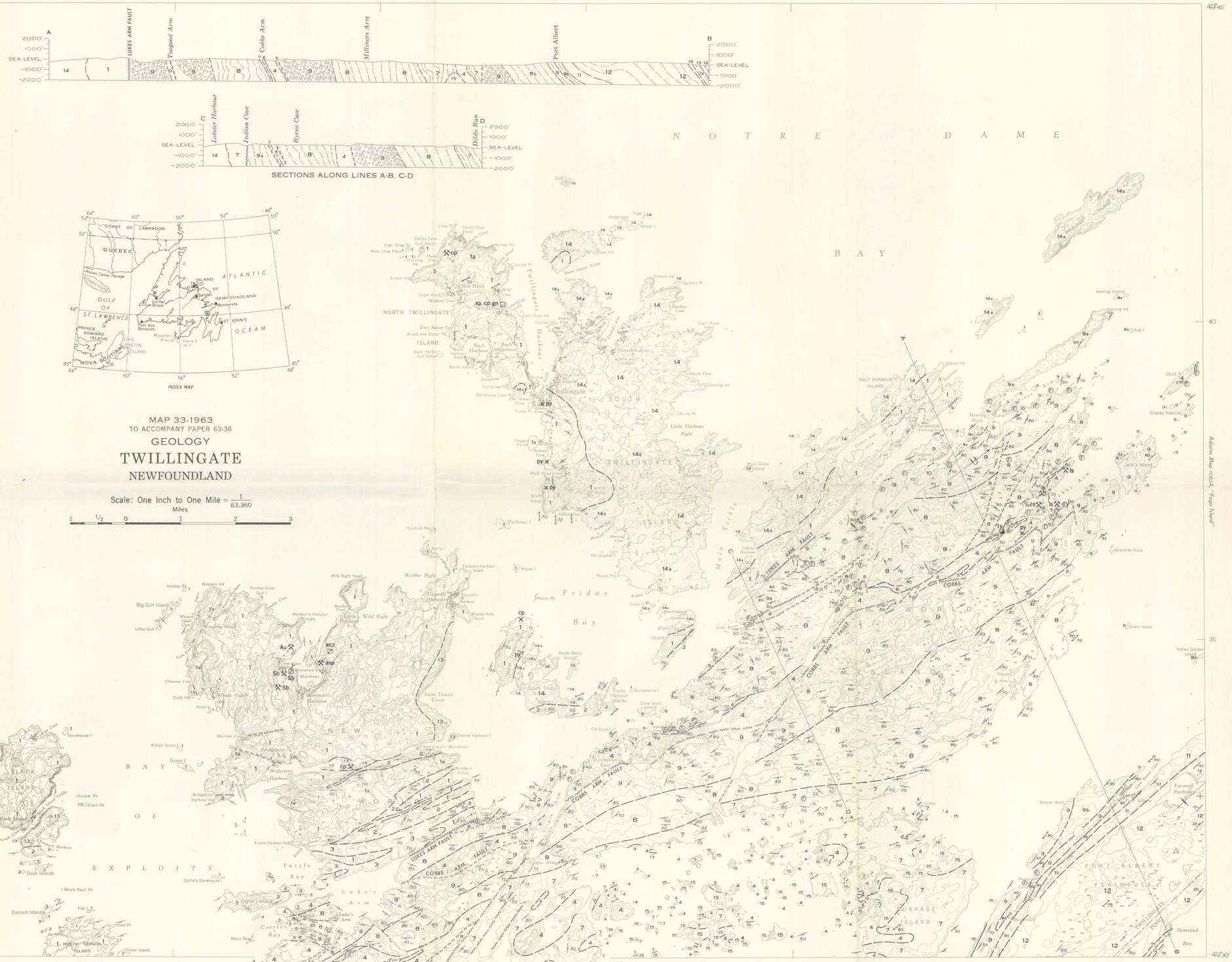
Marsh

Contours (interval 50 feet) 250

Height in feet above mean sea-level 395

Base map by the Surveys and Mapping Branch, 1954

Approximate magnetic declination, 29° 37' West decreasing 3.0' annually



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33-1963 c.2

2 E/10 c.2

MAP 33-1963
TWILLINGATE
NEWFOUNDLAND

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