

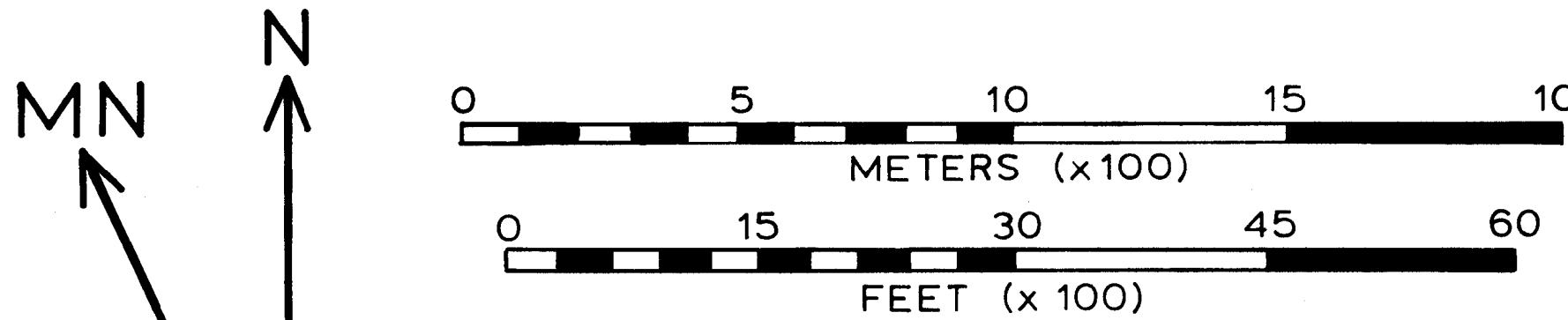
GEOLOGIC MAP OF THE BAY ST. LAWRENCE BASIN, CAPE BRETON ISLAND, NOVA SCOTIA

by Dwight C. Bradley, 1983

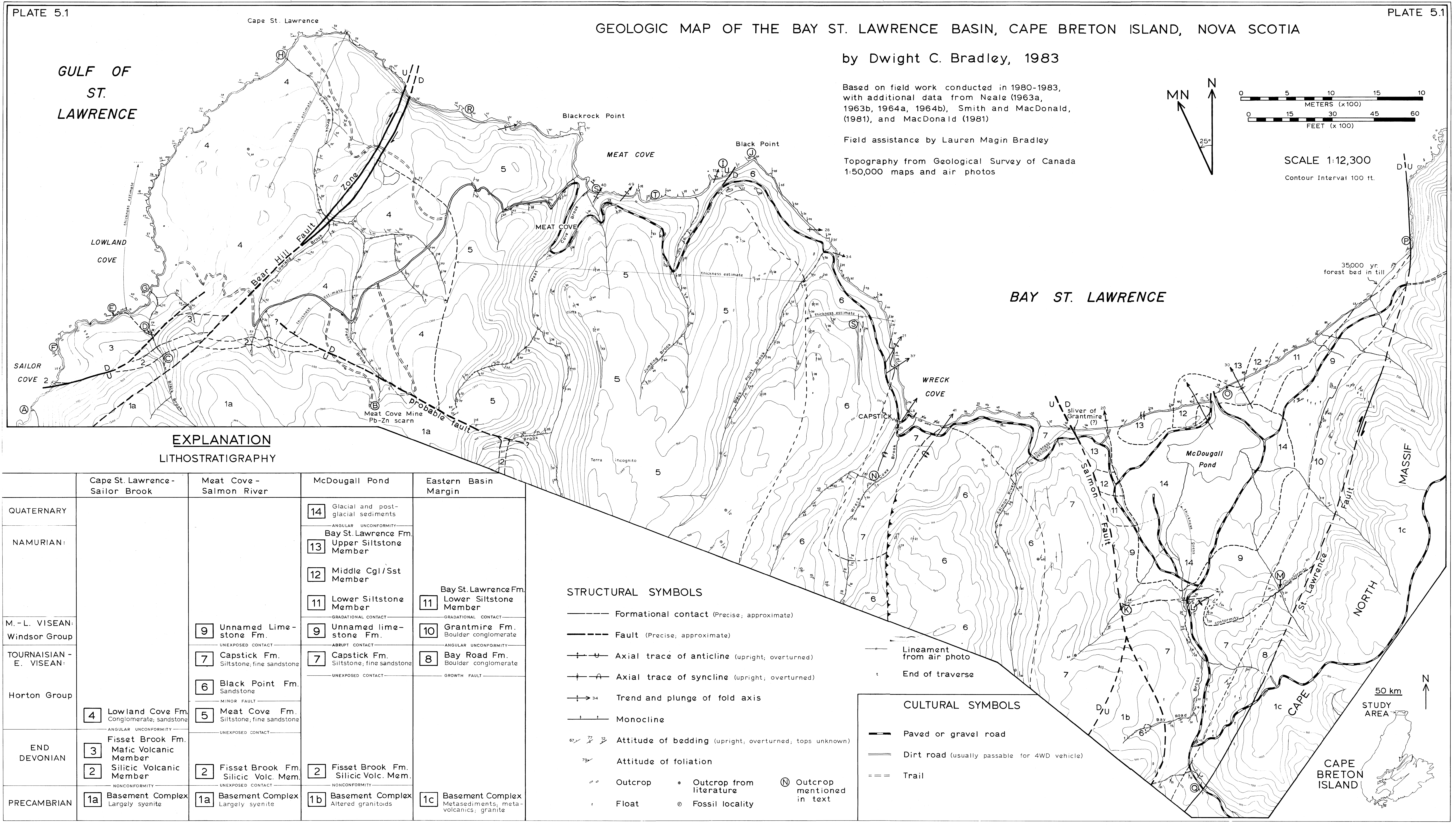
Based on field work conducted in 1980-1983, with additional data from Neale (1963a, 1963b, 1964a, 1964b), Smith and MacDonald, (1981), and MacDonald (1981)

Field assistance by Lauren Magin Bradley

Topography from Geological Survey of Canada 1:50,000 maps and air photos



SCALE 1:12,300
Contour Interval 100 ft.



EXPLANATION
LITHOSTRATIGRAPHY

	Cape St. Lawrence - Sailor Brook	Meat Cove - Salmon River	McDougall Pond	Eastern Basin Margin
QUATERNARY			14 Glacial and post-glacial sediments	
NAMURIAN:			13 Bay St. Lawrence Fm. Upper Siltstone Member	
			12 Middle Cgl/Sst Member	
			11 Lower Siltstone Member	11 Bay St. Lawrence Fm. Lower Siltstone Member
M.-L. VISEAN: Windsor Group		9 Unnamed Limestone Fm.	9 Unnamed limestone Fm.	10 Grantmire Fm. Boulder conglomerate
TOURNAISIAN - E. VISEAN:		7 Capstick Fm. Siltstone, fine sandstone	7 Capstick Fm. Siltstone, fine sandstone	8 Bay Road Fm. Boulder conglomerate
		6 Black Point Fm. Sandstone		
	4 Lowland Cove Fm. Conglomerate, sandstone	5 Meat Cove Fm. Siltstone, fine sandstone		
Horton Group				
END DEVONIAN	3 Fisset Brook Fm. Mafic Volcanic Member			
	2 Silicic Volcanic Member	2 Fisset Brook Fm. Silicic Volc. Mem.	2 Fisset Brook Fm. Silicic Volc. Mem.	
	1a Basement Complex Largely syenite	1a Basement Complex Largely syenite	1b Basement Complex Altered granitoids	1c Basement Complex Metasediments, meta-volcanics, granite

STRUCTURAL SYMBOLS

- Formational contact (Precise; approximate)
- Fault (Precise; approximate)
- Axial trace of anticline (upright; overturned)
- Axial trace of syncline (upright; overturned)
- Trend and plunge of fold axis
- Monocline
- Attitude of bedding (upright, overturned; tops unknown)
- Attitude of foliation
- Outcrop
- Float
- Outcrop from literature
- Outcrop mentioned in text

CULTURAL SYMBOLS

- Paved or gravel road
- Dirt road (usually passable for 4WD vehicle)
- Trail