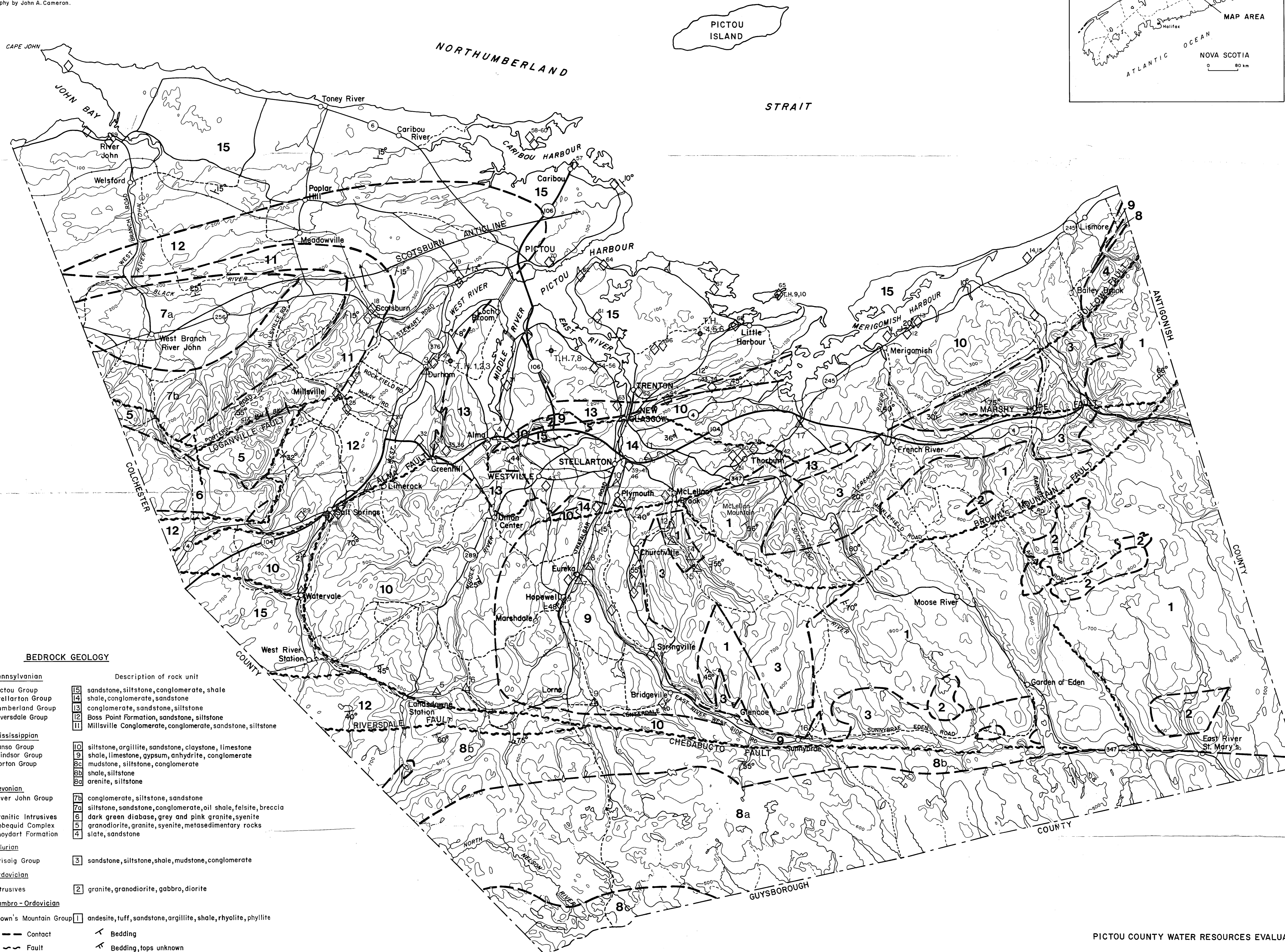
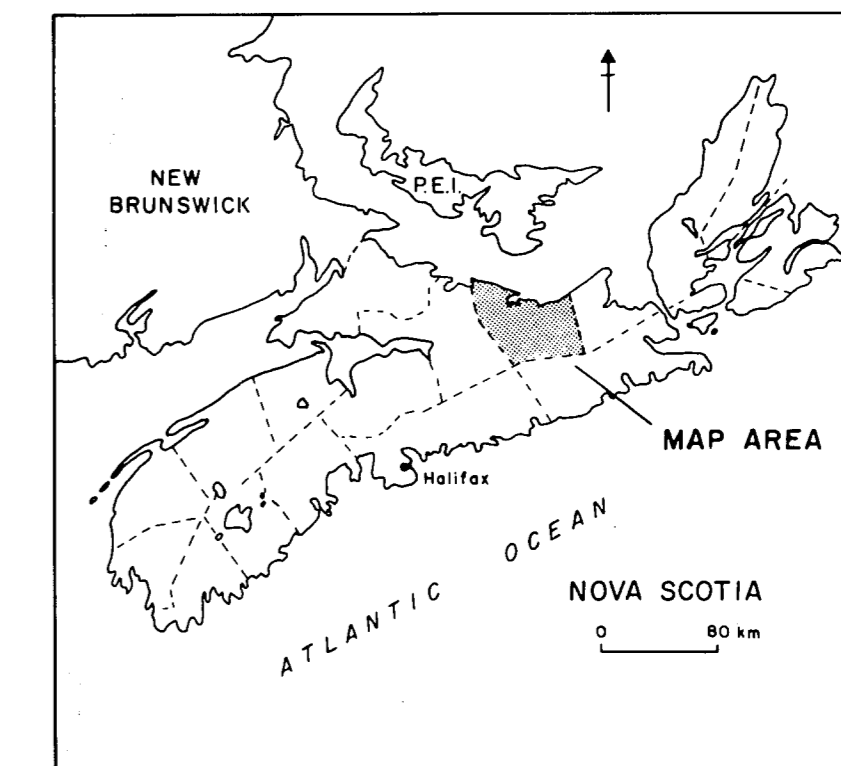


Sources of Information

- Bedrock geology compiled by Project Staff from the following sources:
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 2. Benson, D.G.: The Geology of the Hopewell Map-area, N.S., Geological Survey of Canada Map 1215A, Scale 1:63,360, accompanies Memoir 343, 1967.
Geology, Lochaber, Nova Scotia, Geological Survey of Canada, Prelim. Series Map 58-1963, Scale 1:63,360, with descriptive notes, 1964.
Geology, Merigomish and Malignant Cove, Nova Scotia, Geological Survey of Canada Map 1361A, Scale 1:50,000, 1970.
 3. Donohoe, H.V. and Wallace, P.I.: Geology of the Cobeguid Highlands (East Half), Nova Scotia Department of Mines, Preliminary Map 78-1, 1978.
 4. Gillis, Wm.: Geology of Northwestern Pictou County, Ph.D. Thesis, Dalhousie University, 1964.
Cartography by John A. Cameron.



BEDROCK GEOLOGY

Period	Description of rock unit
Pennsylvanian	
Pictou Group	15 sandstone, siltstone, conglomerate, shale
Stellarton Group	14 shale, conglomerate, sandstone
Cumberland Group	13 conglomerate, sandstone, siltstone
Riversdale Group	12 Boss Point Formation, sandstone, siltstone
	11 Millville Conglomerate, conglomerate, sandstone, siltstone
Mississippian	
Canso Group	10 siltstone, argillite, sandstone, claystone, limestone
Windsor Group	9 shale, limestone, gypsum, anhydrite, conglomerate
Horton Group	8c mudstone, siltstone, conglomerate
	8b shale, siltstone
	8a arenite, siltstone
Devonian	
River John Group	7b conglomerate, siltstone, sandstone
	7a siltstone, sandstone, conglomerate, oil shale, felsite, breccia
Granitic Intrusives	6 dark green diabase, grey and pink granite, syenite
Cobeguid Complex	5 granodiorite, granite, syenite, metasedimentary rocks
Knoydart Formation	4 slate, sandstone
Silurian	
Arisaig Group	3 sandstone, siltstone, shale, mudstone, conglomerate
Ordovician	
Intrusives	2 granite, granodiorite, gabbro, diorite
Cambro-Ordovician	
Brown's Mountain Group	1 andesite, tuff, sandstone, argillite, shale, rhyolite, phyllite

—	Contact	↖	Bedding
- - -	Fault	↖	Bedding, tops unknown
⊕	Anticline	⊕	Test Hole
∩	Syncline		
◇	Groundwater sample		
△	Surface water sample		

HIGHWAYS

- Trans Canada Highway, provincial arterials
- Trunk highways, collector highways (hard surface)
- - - Local roads (loose surface)

PICTOU COUNTY WATER RESOURCES EVALUATION PROJECT

Map 1

BEDROCK GEOLOGY and WATER QUALITY STATIONS

PROVINCE OF NOVA SCOTIA
A Joint Project with the
DEPARTMENT OF REGIONAL ECONOMIC EXPANSION

