

LEGEND

SYMBOLS

MESOZOIC	
JURASSIC	
EJSB	FUNDY GROUP SCOTS BAY FORMATION (EJSB): sandy limestone (ls), calcareous sandstone (ss), and sandstone (ss).
TRIASSIC-JURASSIC	
TJNM	NORTH MOUNTAIN FORMATION (TJNM): basalt (b).
TRIASSIC	
LTB	BLOMIDON FORMATION (LTB): Shale, siltstone (slt), sandstone (ss).
LTW	WOLFVILLE FORMATION (LTW): Sandstone (ss), siltstone (slt), shale (sh), red conglomerate (cgl).
PALEOZOIC	
LATE CARBONIFEROUS	
LCsv	PICTOU GROUP SCOTCH VILLAGE FORMATION (LCsv): grey sandstone (ss), shale (sh).
CARBONIFEROUS	
CANSO GROUP	
	WATERING BROOK FORMATION (CWB): grey siltstone (slt), sandstone (ss), gypsum (gyp), anhydrite (anh).
EARLY CARBONIFEROUS	
WINDSOR GROUP (ECW) Undivided	
EC/MR	MURPHY ROAD FORMATION (EC/MR): siltstone (slt), minor gypsum (gyp), and the following sequence of limestones: Kennetcook: K Wallace Point: WP Meander River: MR Avon: A Brooklyn Station: BS Herbert River: HR
EC/PL	PESAQUID LAKE FORMATION (EC/PL): siltstone (slt), and the following sequence of limestones: Lebreau: L Pesaquid: Psq
EC/WS	WENTWORTH STATION FORMATION (EC/WS): gypsum, minor siltstone (slt), and the following sequence of carbonate rocks: North 60 Dolostone: N60 Dimock Limestone: D Phillips Limestone: P St. Croix Limestone: StC
EC	MILLER CREEK FORMATION (EC/MC): gypsum (gyp), minor siltstone (slt), and the following sequence of carbonate members, and a marker bed: Sandford Limestone: S Big Red Siltstone: BR Slt Chambers Limestone: C Belmont Limestone: B Mantua Limestone: Man Fisher Limestone: F McCulloch Dolostone: McC
EC/T	TENNYCAPE FORMATION (EC/T): red sandy shale (sh), siltstone (slt), minor gypsum (gyp), and anhydrite (anh). (Occurs in the Walton-Cheverie Area mapped by Boyle (1972) GSC Bull 166).
EC/WQ	WHITE QUARRY FORMATION (EC/WQ): anhydrite (anh), salt, minor limestone (ls).
EC/P	PEMBROKE FORMATION (EC/P): limestone conglomer (ls-cgl)
EC/M	MACUMBER FORMATION (EC/M): thin bedded arenaceous limestone (ls).
HORTON GROUP	
EC/C	CHEVERIE FORMATION (EC/C): Upper Member (EC/Cu): Siltstone (slt), sandstone (ss), shale (sh).
EC/L	Lower Member (EC/L): arkose (ark), sandstone (ss), siltstone (slt), conglomerate (cgl).
EC/H	HORTON BLUFF FORMATION (EC/H): Upper Member (EC/Hu): shale (sh), siltstone (slt), sandstone (ss).
EC/V	Glass Sand marker bed (EC/HV)
EC/M	Middle Member (EC/Hm): shale (sh), minor dolostone (ds) and limestone (ls), and the following named unit: Middle shale unit.
EC/L	Lower Member (EC/Hl): sandstone (ss), conglomerate (cgl), siltstone (slt), shale (sh), and the following sequence of units:
EC/L1	Lower mudstone unit with siltstone bed in places
EC/L2	Lower siltstone unit
EC/L3	Lower sandstone unit
EC/L4	Lower conglomerate unit
DEVONIAN - CARBONIFEROUS	
	Leucogranite (DClg), muscovite, biotite monzogranite with pegmatitic material: Murphy Lake Unit (DClgML).
	Monzogranite, porphyritic, muscovite, minor biotite: Lake George Unit (DCmgLG)
	Monzogranite/granodiorite, porphyritic, biotite with minor muscovite: Gaspereau Lake Unit (DCmg/gdGL).
	Granodiorite (DCgd) porphyritic, abundant biotite.
SILURIAN	
	NEW CANAAN FORMATION (LSN): mafic, lithic tuff (mltf), mafic agglomerate (magg), mafic amygdaloidal lava (mal), calcareous siltstone (cslt), slate (sl).
LSK	KENTVILLE FORMATION (LSK): slate (sl), minor siltstone (slt).
ORDOVICIAN-SILURIAN	
	WHITE ROCK FORMATION (OSW)
OSW/u	Upper Member (OSW/u) Slate (sl), paraconglomerate (cgl). (These units occur between quartzite beds).
OSW/qte	Quartzite (qte), (repeated in the stratigraphic succession from two to five times).
OSW/l	Lower Member (OSW/l): rhyolitic tuff, basalt, quartzite, siltstone etc. (Not mapped east of Gaspereau Lake, West Half, GSC Map 1346A, Mem 375).
CAMBRIAN-ORDOVICIAN	
MEGUMA GROUP	
COH	HALIFAX FORMATION (COH): slate (sl), minor siltstone (slt), and metamorphosed Halifax Formation (COHm).
	GOLDENVILLE FORMATION (COG): greywacke (gwk), metagreywacke containing porphyroblasts (gwk2), siltstone (slt).
	Mafic sills and dykes associated with periods of intrusive and extrusive activity throughout the geological column: basalt (Mb), diabase (Mdb), diorite (Md), spilitic sills (Mspl), chlorite schist (Msch).

Rock outcrop: marker bed, areas of outcrop	.....	⊠
sedimentary rock, rubble	.....	x ⊗
granitoid rock, granodiorite, granite	.....	⊙ ⊚
Geological boundary (defined, assumed)	.....	— / —
Lateral facies change (assumed)	.....	~
Bedding (inclined, vertical, overturned)	.....	— x —
Cleavage, schistosity, gneissosity (inclined, vertical)	.....	— x —
Lineations (fold axis, bedding-cleavage intersection derived lineation)	.....	— x —
Facing of beds (dips of bedding and cleavage, graded bedding, cross bedding, channel filling)	.....	— x —
Joint (inclined, vertical)	.....	— x —
Fault (defined, assumed)	.....	— x —
Anticline, syncline	.....	— x —
Glacial striae (direction of movement known, unknown)	.....	— x —
Glacial striae, numbers indicate relative age, 1 being older	.....	— x —
Fossil locality in bedrock	.....	⊙
Spore locality in bedrock	.....	⊙
Fossil tree root (may include stump) in Recent sediments	.....	⊙
Fossil oyster bed in Recent sediments	.....	⊙
Fossil clam bed in Recent sediments	.....	⊙
Depression generally a sink hole	.....	d
Karst topography	.....	k
Drill Hole, vertical	.....	DH ⊙
Drill Hole, vertical with geology projected up the dip to surface	.....	⊙
Overburden with vertical depth in metres	.....	ov 21 m
Drilling Record of Nova Scotia Department of Mines and Energy, Government Core Drills	.....	R2352
Drill Hole number of Nova Scotia Department of Environment	.....	DE215
Drill Hole number of Nova Scotia Department of Transportation	.....	DT6
Drill Hole number of Dominion Rock Salt Company Limited	.....	DRS/1
Drill Hole number of Getty Mines Limited	.....	GAV/G4
Drill Hole number of New Jersey Zinc (Canada) Limited	.....	NJZ/2
Drill Hole number of Saarberg Interplan (Canada) Limited	.....	SI/307
Drill Hole number of Scurry-Rainbow Oil Limited	.....	SR1/1
Drill Hole number of Sladen (Quebec) Limited	.....	SQ/2
Volcanic collapse structure known, assumed	.....	⊙ ⊙
Radioactive anomaly in bedrock, boulders, soil	.....	⊙ ⊙
Resistivity low in ohmmeters	.....	→ 1000 Ω/m
Mineral occurrence: manganese, barite	.....	X Mn, Ba

Map and publication references for this area and adjacent areas:

Hantsport Area by Stewart A. Ferguson 1980-1982, Nova Scotia Department of Mines and Energy Map 83-1 at a scale of 1 : 25 000 and white prints of the same area at a scale of 1 : 10 000 Nova Scotia Department of Mines and Energy Open File Map 557.

Windsor Area by Reginald G. Moore 1963-1983 and Stewart A. Ferguson 1980-1985 at a scale of 1 : 25 000 Nova Scotia Department of Mines and Energy Map 86-2 and white prints of the same area at a scale of 1 : 10 000 Nova Scotia Department of Mines and Energy Open File Map 85-04.

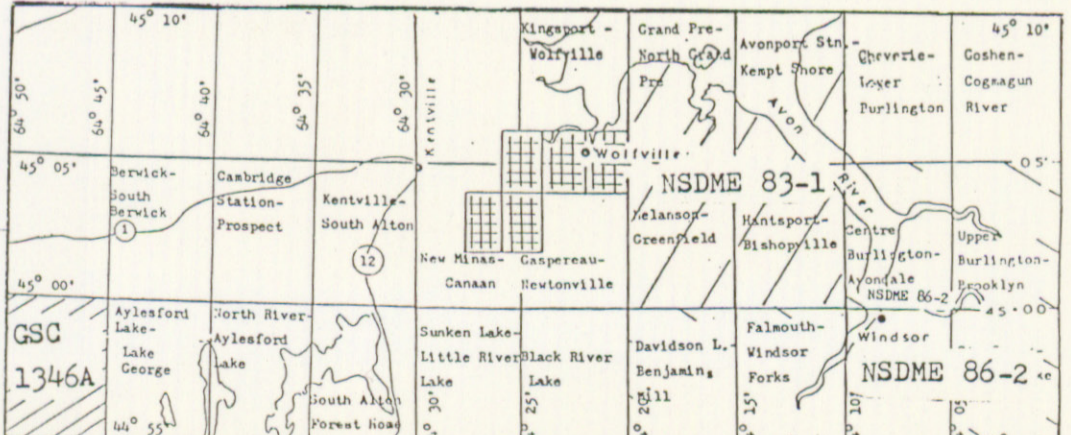
Wolfville - White Rock Area by Stewart A. Ferguson 1978-1980 at a scale of 1 : 4 800 Nova Scotia Department of Mines and Energy Open File Map 479.

Gaspereau Lake Area and Windsor Area by George R. Stevens 1980-1981, digital prints and interpretative maps of Landsat -1 linears at a scale of 1 : 50 000, Nova Scotia Department of Mines and Energy Open File Map

South Mountain Batholith by M.A. MacDonald, M.C. Corey, L.J. Ham and R.J. Horne Nova Scotia Department of Mines and Energy Report 87-1 pp 107-122.

Windsor Area by L.J. Ham and R.J. Horne (1987) geological mapping of the South Mountain Batholith at a scale of 1 : 50 000, Nova Scotia Department of Mines and Energy Map 87-7.

Walton Area by R.W. Boyle (1969) Geological Survey of Canada, Bulletin 166.



WOLFVILLE PROJECT
Stewart A. Ferguson