

LEGEND

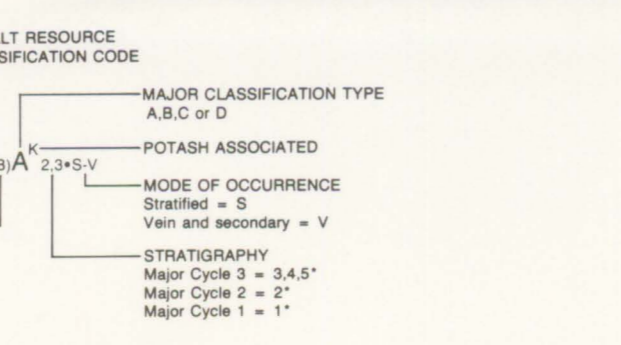
- Creaceous**
(Adapted from the Geological Map of Nova Scotia, A.K. Chatterjee, 1983)
Clays, siliceous sand and lignite
- Triassic-Jurassic** includes Fundy Group
Mafic volcanic rocks
Shale, siltstone and sandstone
- Late Carboniferous** includes Cumberland, Pictou, Stellarton and Morien Groups
Mixed sandstone to shale sequences
- Early to Late Carboniferous** includes Canso and Riversdale Groups
Mixed shale to sandstone sequences
- Early Visian** includes Windsor Group
Siltstone, mudstone, shale, sandstone, conglomerate, gypsum, anhydrite, halite, limestone and dolomite
- Early Carboniferous** includes Horton Group and Grandmine Formation (may include Late Devonian rocks)
Conglomerate, sandstone, siltstone and shale
- Devono-Carboniferous** includes Fountain Lake Group and Greville River, Rapid Brook, Nutzy Falls, Murphy Brook, McAdam Lake and Fiset Brook Formations
Conglomerate, sandstone, siltstone and volcanic rocks
- Siluro Devonian** includes Anisag Group and New Canaan, Kentville, White Rock, Porsaque River, Wilson Brook, Knyvett, Eastown, Bear Brook, McGilivray Brook and Dunn Point Formations
Siltstone, shale, sandstone and volcanic rocks and their metamorphic equivalents
- Carbano-Ordovician** includes Meguma, Iron Brook, McDonalds Brook, Bourinot and Kelvin Glen Groups
Shale, siltstone, sandstone, conglomerate and volcanic rocks and their metamorphic equivalents
- Hadyrian** includes George River, Fourchu and Georgeville Groups, and rocks of Mount Thom Complex
Shale, siltstone, sandstone, conglomerate and volcanic rocks and their metamorphic equivalents
- Limestone, dolomite, sandstone, and shale and their metamorphic equivalents**

SYMBOLS

- Unconformity
- Normal fault
- Reverse fault
- Thrust fault
- Wrench fault
- Fault
- Geological boundary
- Deposit or occurrence name (depth to salt in metres)
- Salt mine, underground (operating)
- Salt mine, underground (abandoned)
- Salt mine, brine (operating)
- Drill- or borehole intersecting salt, Windsor Group or younger
- Horton Group salt is also present
- Potash salts present: sylvite-KCl and/or carnallite-KMgCl₃·6H₂O
- Salt spring or seepage reported, locations only approximate

Salt deposits and occurrences of Nova Scotia

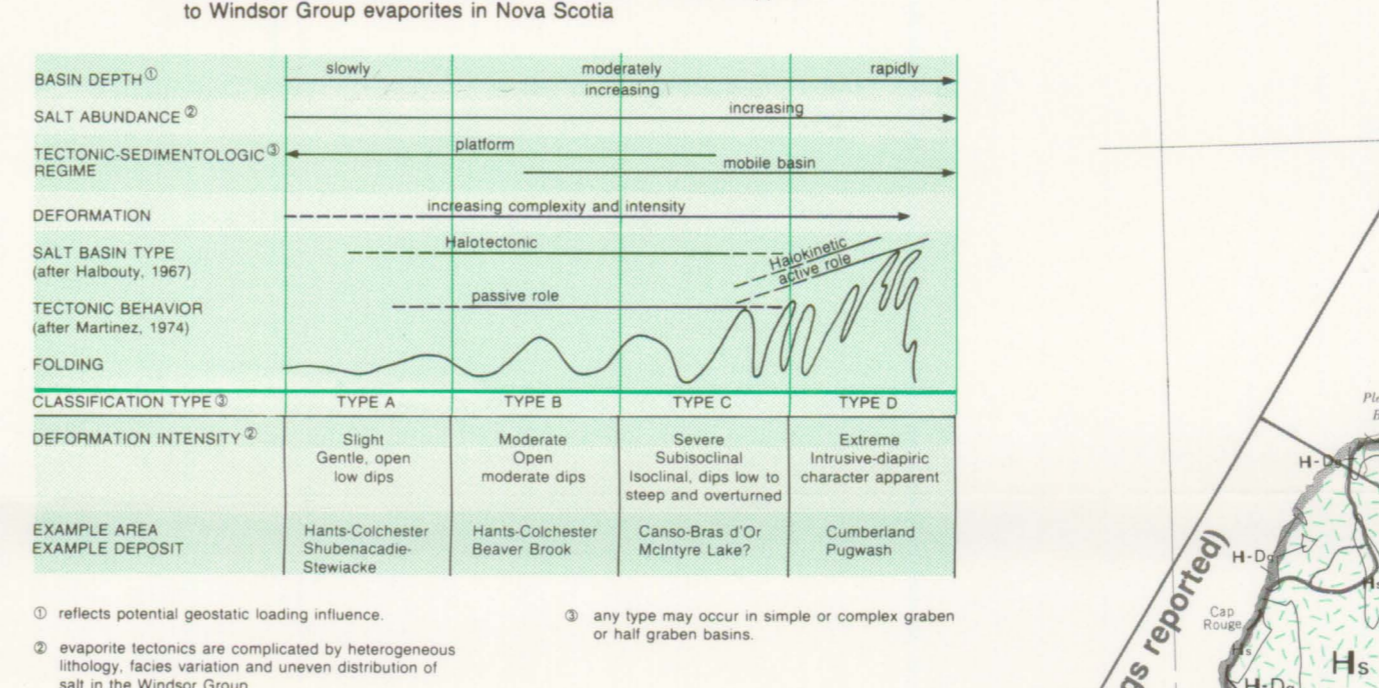
Area	Deposit or Occurrence	Structural Type	Major Cycle(s)	
Hants-Colchester Area	Beaver Brook	Deposit	B	
	Clarksville	Occurrence	B-C	
	Falmouth	Occurrence	B-C	
	Kennetcook	Occurrence	A	
	Shubenacadie-Stewacke	Deposit	A	
	Stanley	Occurrence	B-C	
	Summerville	Occurrence	Vein	
	Upper Walton River	Occurrence	1-27	
	Walton	Occurrence	B-C	
	1-27	Occurrence	B-C	
Cumberland Area	Beckwith	Occurrence	C-D	
	Malagash*	Deposit	D	
	Nappan*	Deposit	D	
	Oxford*	Deposit	D	
	Pugwash*	Occurrence	D	
Roslin	Occurrence	D		
Antigonish-Mabou Area	Antigonish	Deposit	B-C	
	James River*	Deposit	B-C	
	Mabou	Deposit	C-D	
	Ohio	Occurrence	A	
	Ponquet River	Occurrence	C	
	Southside Harbour*	Deposit	B	
	Canso-Bras d'Or Area	Cleveland*	Deposit	B-C
		Estmere	Deposit	B-C
		Kingville	Deposit	C-D
		Montyrie Lake*	Deposit	C7
Orangedale*		Deposit	C7	
Port Richmond*	Deposit	C7		
Seaview	Occurrence	C7		
St. Patrick's Channel	Occurrence	1-4		
St. Peter's	Deposit	C		
Sydney Area	Boularderie*	Deposit	A-B	
	East Bay	Occurrence	A	



Deposit: geologically defined, significant thickness, typically greater than 100 m, associated with a major Bouguer gravity anomaly (minimum); no consideration given to exploitability factors such as depth, geographic location or purity.

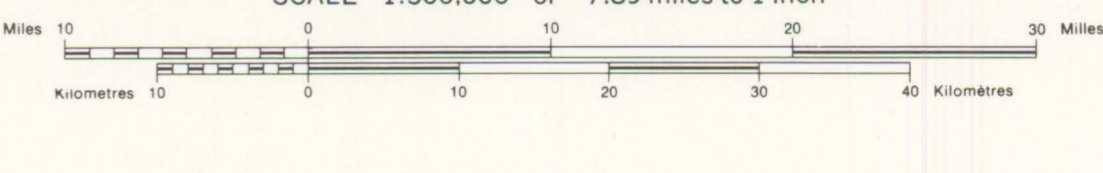
Occurrence: applied to two situations, 1) trace quantities such as veins in enclosing rocks; or 2) thin interbedded veins and impure halite layers (typically less than 10 m); if associated with a Bouguer gravity minimum, certain occurrences have good potential to be upgraded to deposit status with further drilling.

Summary of salt deposit structural classification scheme applied to Windsor Group evaporites in Nova Scotia



SALT AND POTASH RESOURCES OF NOVA SCOTIA

MAP 83-3
 COMPILED BY R. C. BOEHRNER
 1984
 NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY
 HONOURABLE JOEL R. MATHESON, Q.C. JOHN J. LAFFIN, P. ENG.
 MINISTER DEPUTY MINISTER



Planimetric base is from Canadian Department of Energy, Mines and Resources, Surveys and Mapping Branch, Map MGR 37, Scale 1:500,000. Geological base is modified from the Geological Map of Nova Scotia (Keppie, 1979). Transverse Mercator Projection. Jointly funded by the Nova Scotia Department of Mines and Energy and the Canada Department of Regional Economic Expansion. Cartography by Nova Scotia Department of Mines and Energy and by Maritime Resource Management Services.

