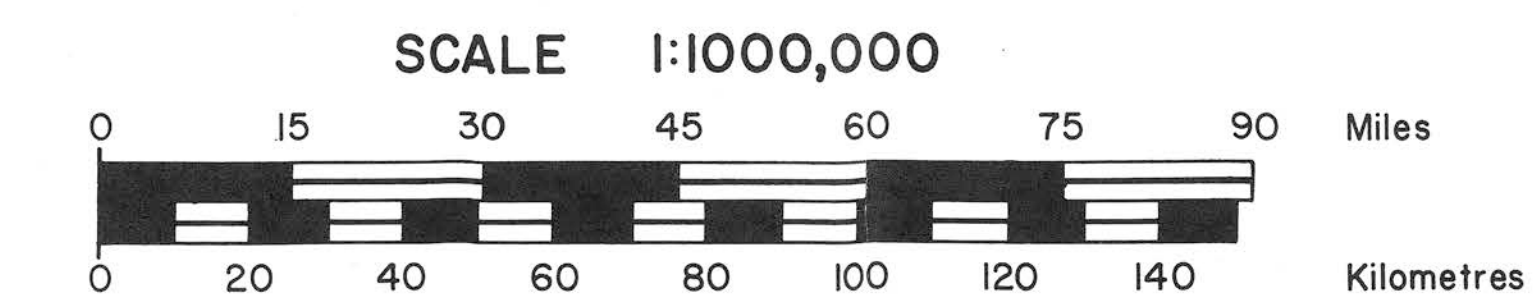
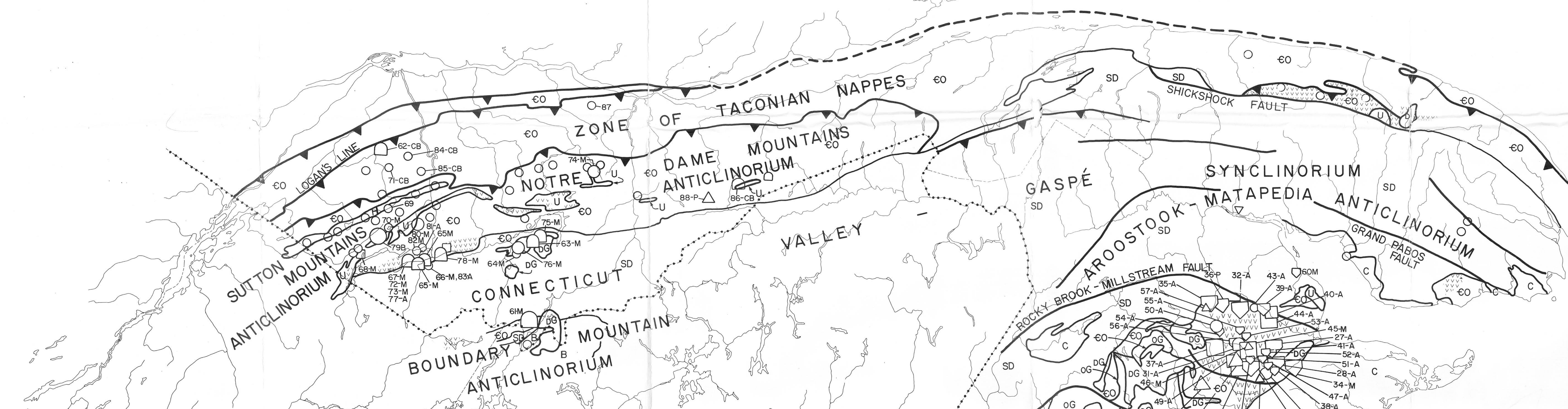


CANADIAN APPALACHIAN OCCURRENCES OF STRATABOUND SULPHIDES

OF CALEDONIAN AGE



Compiled at the University of New Brunswick
as part of the Correlation of Caledonian
Stratabound Sulphide Project - 60.



LEGEND

- C Cover on Acadian Orogen: Middle Devonian to Triassic mainly non-marine sediments and locally volcanics.
- SD Upper Ordovician to Middle Devonian marine and non-marine sediments, felsic and mafic volcanics, and locally metamorphic equivalents.
- EO Cambrian to Middle Ordovician marine sediments, mafic and felsic volcanics and metamorphic equivalents. Indicated by key lithologies are: 1. Ascot, Weedon and Dixville Formations mixed volcanics of uncertain age within Cambrian-Middle Ordovician in SE Quebec, 2. Lower Ordovician mafic volcanics of northeastern Newfoundland, 3. Middle Ordovician mixed volcanics of Newfoundland and New Brunswick, and 4. Lower Ordovician carbonates of western Newfoundland.
- H Hadrynian marine and non-marine sediments, acidic and basic volcanics, and metamorphic equivalents; locally includes Cambrian sediments. Indicated by key lithology pattern are volcanics of the Avalon belt. Correlative volcanics in SE Quebec and western Newfoundland are shown without lithology pattern because they occur on the North American side of the proto-Atlantic (Iapetus) ocean.
- B Grenville basement: mainly gneisses, schists, and igneous rocks; includes rocks reworked by the Acadian and/or Taconian Orogenies.
- ? Metamorphic rocks of uncertain age.
- G Granitic intrusions of uncertain age; includes associated diorites and gabbros; DG, Devonian; OG, Ordovician; HG, Hadrynian.
- U Lower Cambrian-Ordovician ultramafic-mafic rocks, mainly ophiolitic. Mafic volcanics of ophiolite suite are indicated by key lithology pattern.

KEY LITHOLOGIES

(Rock types known to contain stratabound sulphide deposits)

- Volcanic rocks
- Major faults (strike-slip or normal; thrust)

Similar maps at a scale 1:1 million exist for the following countries; contact persons are indicated:

Greenland (H. Stendal, University of Copenhagen, Copenhagen)
Ireland (Geological Survey of Ireland, Dublin)
Norway (A. Bjørlykke, Geological Survey of Norway, Trondheim)
Sweden (Geological Survey of Sweden, Uppsala)
UK (M. Gallagher, Institute of Geological Sciences, Edinburgh)
USA (J. Gair, US Geological Survey, Reston, Va.)

Deposit No.	Name of Deposit	Deposit No.	Name of Deposit	Deposit No.	Name of Deposit
1	Pilley's Island	30	Heath Steele A,C,D,E,F	59	Taylor Brook
2	Miles Cove	31	Wedge	60	Nash Creek
3	Sleepy Hollow	32	Caribou	61	Clinton Copper
4	Atlantic Coast Copper (Little Bay)	33	Chester (Clearwater)	62	Upton
5	Betts Cove	34	Key Anacon	63	Cupra d'Estrie Mines Ltd. (Sullivan Group)
6	Tilt Cove	35	Restigouche	64	Lingwies
7	Tilt Cove East	36	Murray Brook	65	Eustis
8	Goose Cove	37	Half Mile (N), Half Mile	66	Albert Mine (Capelton Mines)
9	Buchans (all ore bodies)	38	Austin Brook	67	Wheat Betsy Mine (Capelton Mines)
10	York Harbour	39	Orvan Brook	68	Capel (Capelton Mines)
11	Lady Pond	40	Rocky Turn	69	Howard (Gillis)
12	Gullbridge	41	Headway	70	Lake Memphremagog (Smith's or Potton Mine)
13	Little Deer	42	McMaster	71	Ely Mine (Sheffield Copper Mines Ltd.)
14	Wholesback	43	McMaster	72	Ives Mine
15	McNeilly	44	Armstrong A, Armstrong B	73	Acton Mine
16	Colchester	45	Nepisiguit A, B and C	74	King Mine
17	Old English (Naked Man)	46	Canoe Landing Lake	75	Silver Star (The Bean of Jackson Mine)
18	Rendall - Jackson	47	Flat Landing Brook	76	Harvey Hill (Marval Mines Inc.)
19	Big Rambler Prospect	48	Stratmat Main Zone, West Zone	77	Salbec Copper
20	Consolidated Rambler	49	North Boundary	78	Weedon
21	Consolidated Rambler East	50	Devil's Elbow	79	Suffield (Griffith)
22	Ming	51	Nine Mile Brook	80	Aldermac - Moulton Hill
23	Terra Nova	52	Quebec Smelting and Refining	81	Huntingdon Mine (Quebec Copper Corp.)
24	Great Burnt Lake	53	California Lake	82	Ascot (Haskell Hill)
25	Point Leamington	54	Indian Falls (Fronsac)	83	Clark
26	Mud Pond	55	Ahearn Brook	84	Hapburn
27	Tulk's Pond	56	Strachens Lake Brook	85	Victoria
28	Mindamar (Stirling)	57	Portage Lake	86	Wickham
29	Techon	58	Roche Long Lac	87	Durham
30	Anmidale			88	Eastern Metals (St Fabien Copper)
31	Brunswick 12				Beaupas Mines Ltd.
32	Brunswick 6				Panel Metals Corp. Ltd.
33	Heath Steele B				

Symbols without numbers locate small occurrences indicative of favorable ore-forming environment

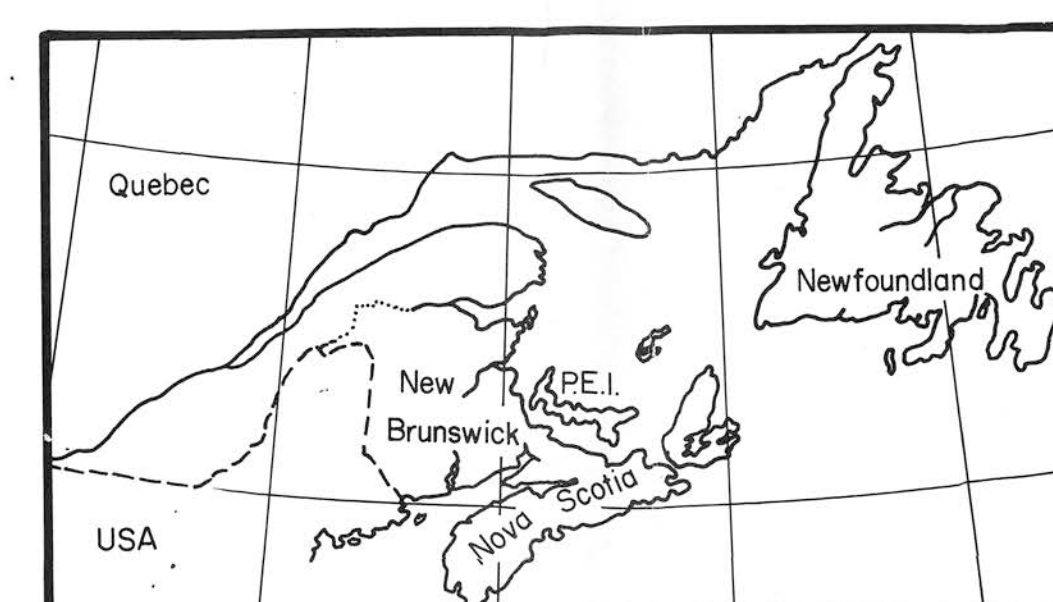
Identification Number

The number beside each deposit marked on the map refers to its position in the complementary mineral deposit tables

Host Rock

B - Basic (mafic) dominated volcanite
M - Mixed mafic and felsic volcanites
A - Acid (felsic) dominated volcanites
C - Carbonate
P - Pelite

Geology generalized from "Tectonic Lithofacies Map of the Appalachian Orogen", by Harold Williams with some modification by W.H. Poole



	<50,000t	50,000-tmt	>tmt
Cu-dominant	>70% Cu		
Cu-Zn	<15% Pb <70% Cu <70% Zn		
Zn-dominant	>70% Zn		
Pb-Zn	<15% Cu <70% Pb <70% Zn		
Pb-dominant	>70% Pb		
Cu-Pb-Zn			
Fe-sulphides			

