

INTERNATIONAL GEOLOGICAL CORRELATION PROGRAMME
PROJECT No. 80
CORRELATION OF CALEDONIAN STRATABOUND SULPHIDES
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Topographic base (Pre-Mesozoic relief):
 Contours and bathymetry digitized from 1:5 million (1/500,000) maps. Original data on an optical film by a CALCOMP (Digital) plotter provided by D.G. Storie, British Geological Survey, 10 George Terrace, Edinburgh EH9 2JF, Scotland, U.K. Contouring by J.A.F. Hunt, Geological Survey of Canada.

PALEOTECTONIC ZONES

APPALACHIAN AND U.S.-IRELAND EAST GREENLAND CALEDONIDES
 Southeastern continental margin of Laurentia-Grenville?

TERRANES CONTAINING VESTIGES OF OCEANIC LITHOSPHERE AND SUCCESIONS RELATED TO ARCS AND RIFTED ARCS
 Diverse terranes and ophiolites of the Humber Arm and New Brunswick (Appalachian)
 Murina-Midland Valley zone (U.K.-Ireland-Caledonides) with probable underlying pre-Caledonian continental crust
 Longfild-Owen-Southern Labrador zone (U.K.-Ireland-Caledonides) with probable underlying pre-Caledonian continental crust

TERRANES CONTAINING CONTINENTAL MARGIN AND/OR INTRACRATONIC BASIN SEDIMENTS, SUCCESIONS RELATED TO ARCS AND RIFTED ARCS, AND PLATFORMAL ROCKS (AVADONIA/MIDLAND PLATFORM TO THE SOUTHEAST OF THE HUBBER SUTURE)
 Gander terrane (Appalachian)
 Avalon terrane (Appalachian)
 Michigan terrane (Appalachian)
 Laurentide-Lake District zone, Irish Sea-Lancashire, Welsh Basin, and Midland Platform (U.K.-Ireland-Caledonides)

TERRANES OF UNCERTAIN PALEOTECTONIC SIGNIFICANCE
 Talibage terrane
 Choptank terrane
 Chain Lakes terrane

SCANDINAVIAN CALEDONIDES
 Western orophalic terrane - southeastern continental margin of Laurentia-Grenville? (Uppermost and Upper Albothions)
 Terranes containing vestiges of oceanic lithosphere and successions related to arcs and rifted arcs (Uppermost and Upper Albothions)
 Northwestern continental margin of Baltica (Lower Albothions, Hapes of the Middle and Lower Albothions, window zones of uncertain tectonostratigraphic status)

EXTENSION OF THE APPALACHIAN-CALEDONIAN-HERCYNIAN-MAURITANIDE OROGEN
 Northwestern Africa, Iberia, central Europe and Svalbard as well as the North Greenland Fold Belt

CHRONOSTRATIGRAPHIC UNITS

Major plates related to and younger than the Appalachian-Caledonian orogenic cycle
 Sedimentary and volcanic rocks of Cambrian and younger age
 Variably metamorphosed sedimentary and volcanic rocks of Cambrian (and locally Vendian) to Devonian age
 Variably metamorphosed sedimentary and volcanic rocks of late Proterozoic (and locally Early Cambrian) age
 Phanocrystalline rocks affected by Grenville (Hercynian) and/or older orogenic events
 Variably metamorphosed rocks, often medium- and high-grade, of highly uncertain age

STRUCTURAL SYMBOLS

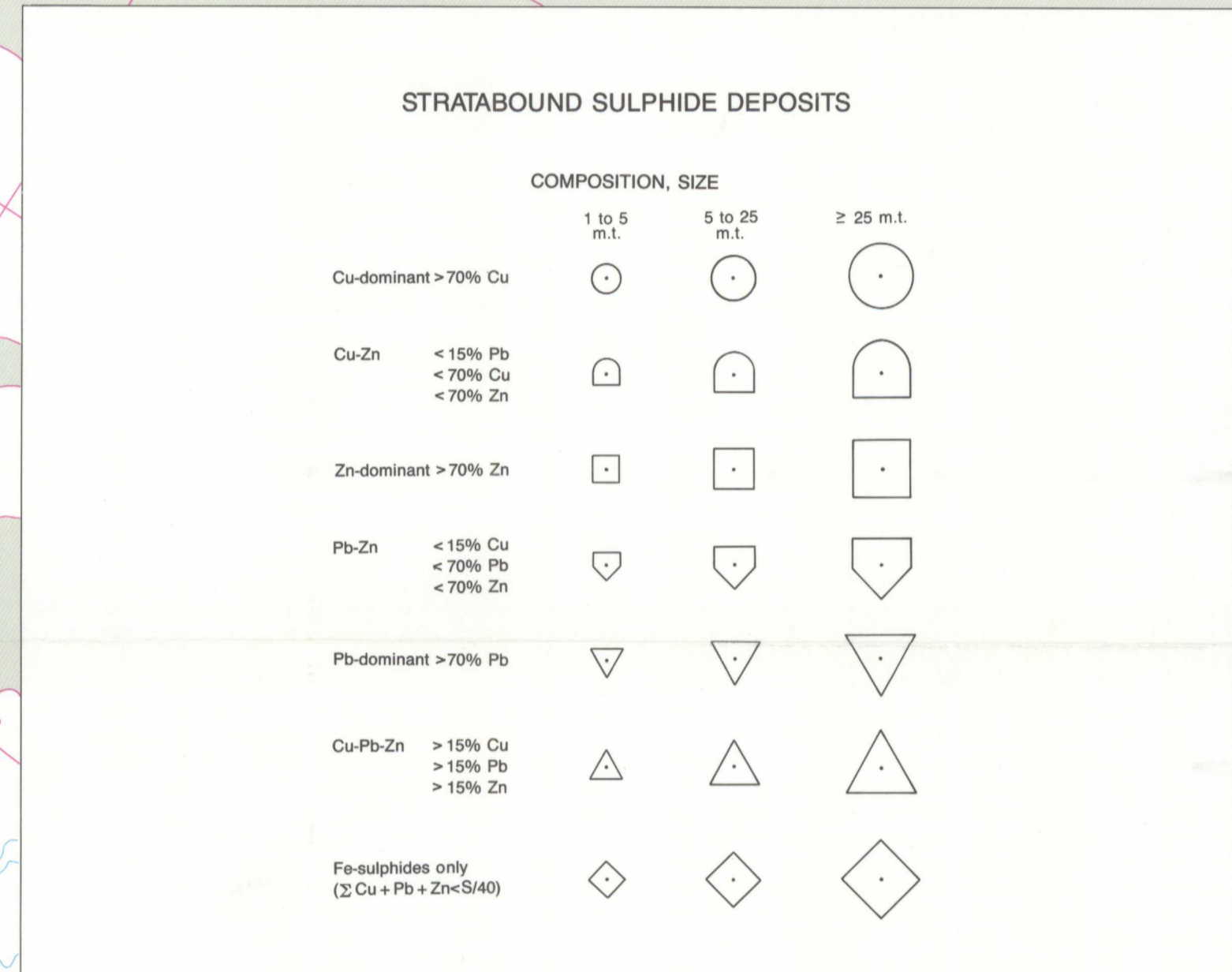
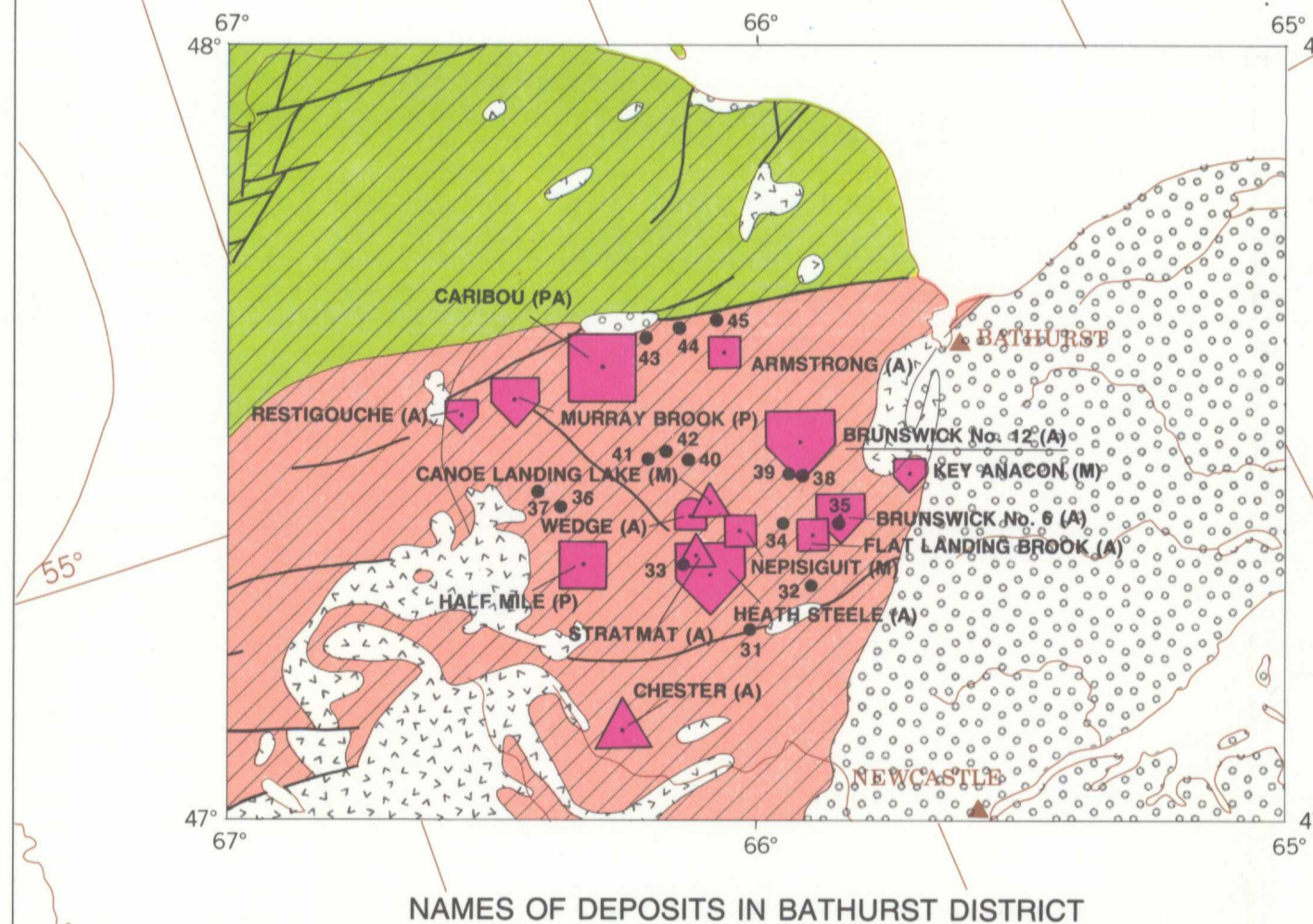
High-angle normal or strike-slip fault
 Internal boundary between palaeotectonic zones
 Disjunctive or suture contact

MAP EXPLANATION

STRATABOUND SULPHIDE DEPOSITS
 Deposit types and palaeotectonic settings are represented on a map by symbols and colors. The symbols are defined in the legend. The colors are defined in the legend. The symbols and colors are defined in the legend.

GEOLOGICAL BASE
 The sulphide deposits are plotted on a geological base comprising both palaeotectonic zones (see legend) and chronostratigraphic units (see legend). The geological base is defined in the legend. The symbols and colors are defined in the legend.

KEY REFERENCES
 Stephens, M.S. and Miles, F.M., 1981. An overview of tectonic and palaeotectonic settings and their relation to metal-bearing and carbonate-hosted sulphide deposits. *Econ. Geol.*, **76**, 1-17.
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LIST OF NAMES REFERRING TO SMALL (< 1.5 m.t.) NUMBERED DEPOSITS SHOWN ON MAP

APPALACHIAN AND U.S.-IRELAND EAST GREENLAND CALEDONIDES	SCANDINAVIAN CALEDONIDES	CALEDONIDES (IRELAND AND U.K.)	CALEDONIDES (NORWAY AND SWEDEN)
1. Caribou	1. Caribou	1. Caribou	1. Caribou
2. Restoule	2. Restoule	2. Restoule	2. Restoule
3. Bathurst	3. Bathurst	3. Bathurst	3. Bathurst
4. Caribou	4. Caribou	4. Caribou	4. Caribou
5. Restoule	5. Restoule	5. Restoule	5. Restoule
6. Bathurst	6. Bathurst	6. Bathurst	6. Bathurst
7. Caribou	7. Caribou	7. Caribou	7. Caribou
8. Restoule	8. Restoule	8. Restoule	8. Restoule
9. Bathurst	9. Bathurst	9. Bathurst	9. Bathurst
10. Caribou	10. Caribou	10. Caribou	10. Caribou
11. Restoule	11. Restoule	11. Restoule	11. Restoule
12. Bathurst	12. Bathurst	12. Bathurst	12. Bathurst
13. Caribou	13. Caribou	13. Caribou	13. Caribou
14. Restoule	14. Restoule	14. Restoule	14. Restoule
15. Bathurst	15. Bathurst	15. Bathurst	15. Bathurst
16. Caribou	16. Caribou	16. Caribou	16. Caribou
17. Restoule	17. Restoule	17. Restoule	17. Restoule
18. Bathurst	18. Bathurst	18. Bathurst	18. Bathurst
19. Caribou	19. Caribou	19. Caribou	19. Caribou
20. Restoule	20. Restoule	20. Restoule	20. Restoule
21. Bathurst	21. Bathurst	21. Bathurst	21. Bathurst
22. Caribou	22. Caribou	22. Caribou	22. Caribou
23. Restoule	23. Restoule	23. Restoule	23. Restoule
24. Bathurst	24. Bathurst	24. Bathurst	24. Bathurst
25. Caribou	25. Caribou	25. Caribou	25. Caribou
26. Restoule	26. Restoule	26. Restoule	26. Restoule
27. Bathurst	27. Bathurst	27. Bathurst	27. Bathurst
28. Caribou	28. Caribou	28. Caribou	28. Caribou
29. Restoule	29. Restoule	29. Restoule	29. Restoule
30. Bathurst	30. Bathurst	30. Bathurst	30. Bathurst
31. Caribou	31. Caribou	31. Caribou	31. Caribou
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40. Caribou	40. Caribou	40. Caribou	40. Caribou
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72. Bathurst	72. Bathurst	72. Bathurst	72. Bathurst
73. Caribou	73. Caribou	73. Caribou	73. Caribou
74. Restoule	74. Restoule	74. Restoule	74. Restoule
75. Bathurst	75. Bathurst	75. Bathurst	75. Bathurst
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81. Bathurst	81. Bathurst	81. Bathurst	81. Bathurst
82. Caribou	82. Caribou	82. Caribou	82. Caribou
83. Restoule	83. Restoule	83. Restoule	83. Restoule
84. Bathurst	84. Bathurst	84. Bathurst	84. Bathurst
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87. Bathurst	87. Bathurst	87. Bathurst	87. Bathurst
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91. Caribou	91. Caribou	91. Caribou	91. Caribou
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93. Bathurst	93. Bathurst	93. Bathurst	93. Bathurst
94. Caribou	94. Caribou	94. Caribou	94. Caribou
95. Restoule	95. Restoule	95. Restoule	95. Restoule
96. Bathurst	96. Bathurst	96. Bathurst	96. Bathurst
97. Caribou	97. Caribou	97. Caribou	97. Caribou
98. Restoule	98. Restoule	98. Restoule	98. Restoule
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