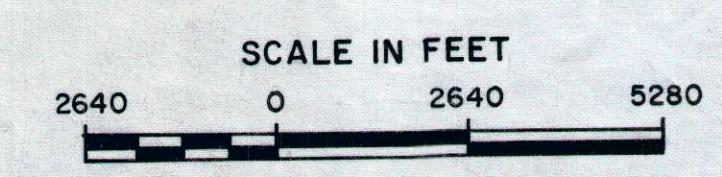


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NEWFOUNDLAND AND LABRADOR
 DEPARTMENT OF MINES, AGRICULTURE AND RESOURCES
 MINERAL RESOURCES DIVISION

GEOLOGICAL MAP
ST. CATHERINE'S
 (EAST HALF)



LEGEND

- 4a** GABBRO, DIABASIC GABBRO.
- 4b** GABBRO WITH MANY SEDIMENTARY INCLUSIONS.
- 4c** BASIC TUFF AND LAVA RELATED TO 4a.
- CONCEPTION GROUP**
- 3** GREYISH-GREEN SLATE, SILTSTONE, GREYWACKE, MINOR CONGLOMERATE AND LIMESTONE LENSES; MINOR BLACK SLATE AND GREY SILTSTONE.
- HOLYROOD PLUTONIC SERIES**
- 2a** QUARTZ MONZONITE.
- 2b** RED QUARTZ FELSPAR PORPHYRY.
- 2c** QUARTZ MONZONITE AND FELSITE.
- 2d** PINK GRANITE
- 2e** QUARTZ - HORNBLENDE GABBRO.
- 2f** PINK APLITIC GRANITE.
- HARBOUR MAIN GROUP**
- 1a** RHYOLITE FLOWS AND TUFFS.
- 1b** INTERMEDIATE FLOW ROCKS, TUFF AND BRECCIA; VOLCANIC CONGLOMERATE, MINOR RED SHALE AND SILTSTONE.
- 1c** BASIC FLOW ROCKS, TUFF AND BRECCIA.
- 1d** RED SHALE, SILTSTONE, SANDSTONE, CONGLOMERATE. MINOR LIMY SHALE, EPIDOSITE, BASIC TUFF AND BRECCIA.
- 1e** GREYISH-GREEN SHALE, SILTSTONE, GREYWACKE. MINOR GREY AND BLACK SHALE AND SILTSTONE.
- 1f** HYBRID ZONE - HARBOUR MAIN VOLCANIC ROCKS HIGHLY INTRUDED AND ALTERED BY QUARTZ MONZONITE.
- 1g** SILICIFIED AND SERICITIZED VOLCANIC ROCKS. SOME OUTCROPS CONTAIN ABUNDANT PYRITE, TRACES OF CHALCOPYRITE.
- 1h** RED CONGLOMERATE, MINOR SANDSTONE.
- 1k** GREY CONGLOMERATE, MINOR GREEN SILTSTONE.

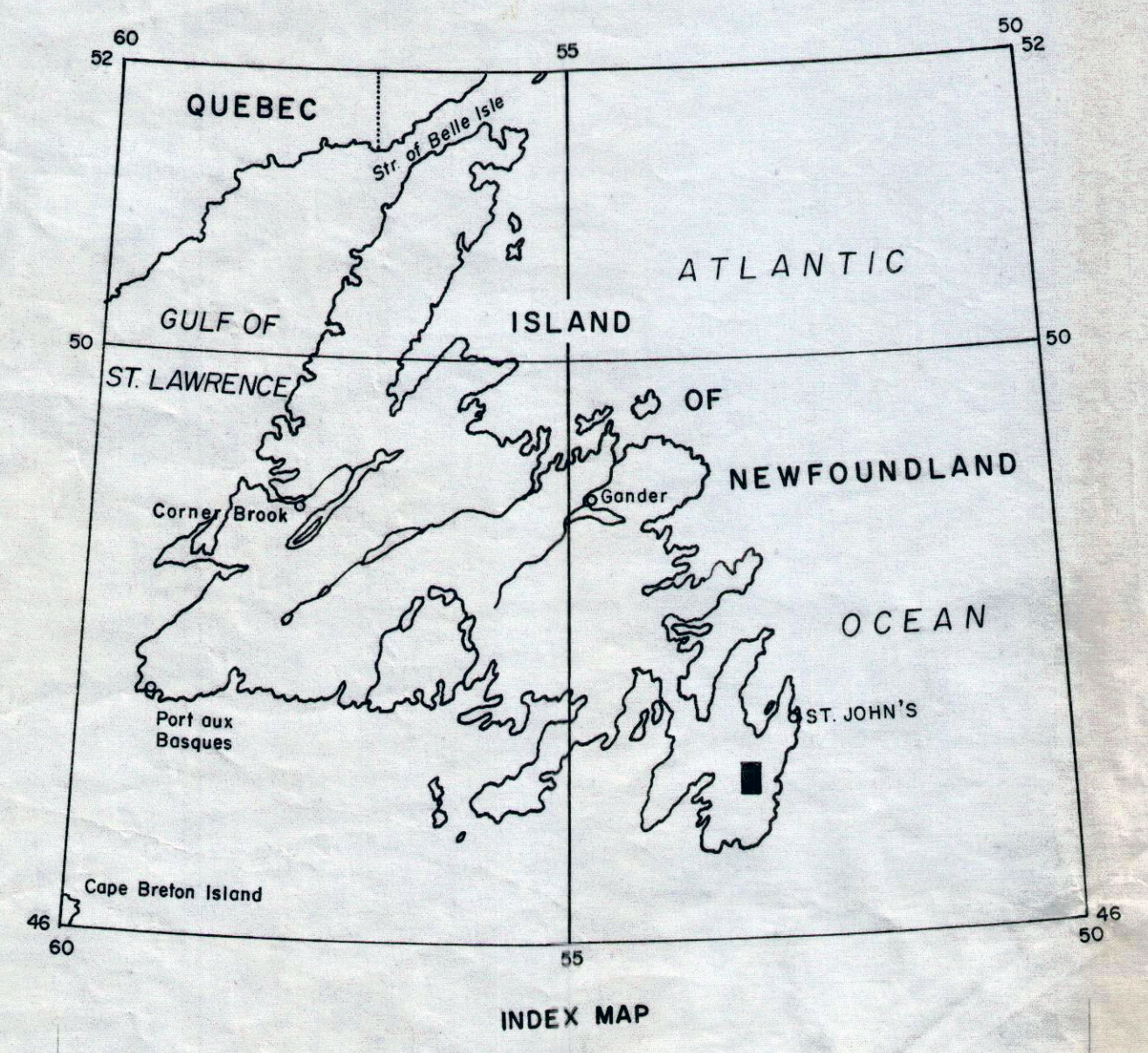
- GEOLOGICAL BOUNDARY (defined, approximate, inferred.)
- AREAS LARGELY DRIFT COVERED
- BEDDING (horizontal, inclined, vertical, overturned.)
- CLEAVAGE (inclined, vertical)
- FAULT (defined, approximate, assumed)
- ANTICLINE (defined, approximate)
- SYNCLINE (defined, approximate)
- MINERAL OCCURRENCE

MINERAL SYMBOLS

GALENA	Pb
CHALCOPYRITE	Cu
PYRITE	Py
ZINC	Zn
SILVER	Ag

CONTOUR INTERVAL 50 FEET (approx.)

Geology by W. J. Mullins, 1968
 Cartography By H. Hannon & K. Byrne



Reduce down to 3"