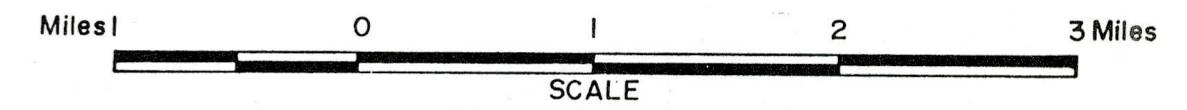




Figure 16

MINERAL DEVELOPMENT DIVISION
DEPARTMENT OF MINES AND ENERGY
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
CANADA NEWFOUNDLAND MINERAL
EXPLORATION AND EVALUATION PROGRAMME

RESIDUAL ARSENIC DISTRIBUTION IN STREAM SEDIMENTS, NEW BAY POND AREA



LEGEND

- < 0.0
 - ▽ ≥ 0.0 < 1.0
 - ≥ 1.0 < 1.5
 - ≥ 1.5 < 2.0
 - ▼ ≥ 2.0 < 2.5
 - ≥ 2.5 < 3.5
 - ≥ 3.5
 - + As not determined on sample
- Residual arsenic scores after linear regression with manganese, expressed as positive standard deviation units.

INTRUSIVE ROCKS

- 5 Granodiorite and diorite

SEDIMENTARY ROCKS

- 4 Conglomerate, greywacke, siltstone, carbonaceous shale, chert and fine grained tuffs.

VOLCANIC ROCKS

- 3 FELSIC VOLCANIC ROCKS – Rhyolite, rhyolitic agglomerate, porphyritic rhyolite.
- 2 INTERMEDIATE VOLCANIC ROCKS – Predominantly agglomerate and lapilli tuff, may include some felsic and mafic fragmentals
- 1 MAFIC VOLCANIC ROCKS – Predominantly pillow lavas

Geological boundary ————

- Sulphide mineral occurrence ————
- Pyrite ———— Py
- Zinc ———— Zn
- Copper ———— Cu

Geology compiled from maps by Falconbridge Mines Ltd., Geological Survey of Canada (1969), Hayes (1951), Noranda Mines Ltd. (1972) and Potter (1956).

