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Kilomètres 2 0 2 4 6 8 10 Kilomètres

Universal Transverse Mercator Projection
North American Datum 1983
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Projection transversale universelle de Mercator
Système de référence géodésique nord-américain, 1983
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Elevations in feet above mean sea level

Some features on this map have been projected to surface through younger cover of Quaternary deposits, glacier ice, and bodies of water.	
Geological boundary (defined, approximate, assumed)	-----
Level of field work
Marker bed (for formation)	-----
Bowling, top known (overturned, inclined, vertical)	16° 30' 10° 15'
Bowling, estimated from distance (inclined)	16° 30' 10° 15'
Fault, strike-slip, arrows indicate relative movement (defined, approximate)	-----
Thrust fault (defined, approximate; teeth indicate up/drop side)	-----
Fault, undetermined (defined, approximate, assumed; solid circles indicate downthrown side)	-----
Andoline and syncline (defined, approximate, assumed)	-----
Andoline and syncline, overturned (defined, approximate)	-----

Structure cross-section (Piegeler et al., in press)

Mineral assemblage

- 1 GSC loc: C-322789: Gossan with up to 0.67% zinc.
- 2 GSC loc: C-322787: Dolomite mudstone with 1% zinc, 18 ppm cadmium.
- 3 GSC loc: C-322786: Potform massive sulfate breccia containing apatite, galena and a cadmium phase.
- 4 GSC loc: C-322777: Gossan and potform massive sulfate with 0.9% lead.
- 5 GSC loc: C-322742: Disseminated sphalerite in sandstone, high cadmium.
- 6 GSC loc: C-322776: Disseminated galena and sphalerite in dolomite breccias.
- 7 GSC loc: C-322775: Trace containing quartz-calciphal and kankarothite?
- 8 GSC loc: C-321560 and C-321761: Green plates Zn₂(OH)₂ arsenophosphate, apatite and galena in dolomite breccia.
- 9 GSC loc: C-320497: Dolomite-pyrite breccia with dolomite breccia.
- 10 GSC loc: C-321005: No assay, unspecified sulfides.
- 11 GSC loc: C-320508: Sulfate-galena-apatite-galena-arsenophosphate-quartz veins in dolomite breccia.

REFERENCES

In, deformation kinematics, and summary of tectonic history, northeast Kermadec-Enderbore Islands Adjacent to Kane Basin and Nares Strait, 18 survey of Canada, Bulletin 562.

F., and Salsmann, K.

northeast Enderbore Island, and its Eocene overprint, in: Geology of Kane Basin and Nares Strait, Nunavut, (ed.) U. Mayr, Geological

REFERENCES

Harrison, J.C.
in press: Regional variation in structural style, deformation kinematics, and summary of tectonic history, northeastern Elzeirens Island, in *Geology of Northeast Elzeirens Island Adjacent to Kane Basin and Nares Strait, Nunavut*, (ed.) U. Mayr; Geological Survey of Canada, Bulletin 660.

Pirajohn, K., von Gosen, W., Tessevalien, F., and Galkman, K.
in press: Elzeirens Fobars-Thrust Belt, northeast Elzeirens Island, and its Eureka overprint. In *Geology of Northeast Elzeirens Island Adjacent to Kane Basin and Nares Strait, Nunavut*, (ed.) U. Mayr; Geological Survey of Canada, Bulletin 660.

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Harrison, J.C., Mayr, U., and Piepjohn, K.
2007: Geology, Lady Franklin Bay, Ellesmere Island, Nunavut;
Geological Survey of Canada, Map 2106A, scale 1:125 000.