

DESCRIPTIVE NOTES

The Bathurst Mining Camp, located in northern New Brunswick, occupies the northernmost part of the Miashuk Highlands. The Miashuk Highlands are bounded to the north and west by the generally low-relief, low-relief metamorphic zone and to the east by the generally low-relief, low-relief metamorphic zone. The Bathurst Mining Camp is bounded to the north and west by the generally low-relief, low-relief metamorphic zone and to the east by the generally low-relief, low-relief metamorphic zone.

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ACKNOWLEDGMENTS

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REFERENCES

Drew, J.L., Tupper, W.W., Beuchat, D., Boyle, R.W. and Martin, R.L.
1989. Geology and mineral deposits of the Miashuk Highlands, New Brunswick. Geological Survey of Canada, Bulletin 346, 39 p.

Lyffe, L.J.
1982. Tectonic and tectono-stratigraphic evolution of the northern Miashuk Highlands in the Bathurst Mining Camp. In: *Geology and mineral deposits of the Miashuk Highlands*, New Brunswick. Geological Survey of Canada, Bulletin 346, 39 p.

LEGEND

Geological units:

- CARBONIFEROUS:** C (Grey and red conglomerate, sandstone and shale)
- DEVONIAN OR YOUNGER:** Dn (Diabase dykes)
- SILURIAN AND DEVONIAN:** Sd (Basaltic gabbro and gneissoid (SDg) and grey, massive, mainly medium-grained, argillaceous to locally phyllitic, pinkish grey and/or felsitic gabbro and diabase. Some bodies contain multiple intrusions of different ages, and may include some Devonian gabbro)
- CHALEURS GROUP:** Sd (Sandstone, shales, minor conglomerates, limestone and volcanic rocks, includes some gabbro and diabase)
- OROVICAN:** Op (Folded to massive, fine to medium grained, argillaceous granite (Og). Includes quartz-rich orthopyroxene (Og))
- OMI:** Omi (Green to brownish-green, gabbro and diabase; may locally include some basalt. The gabbro in places includes serpentinitized or ultramylonitic phases)
- FOURNIER GROUP (Heavy Carbonate):** OF (Mafic to felsic volcanic rocks, including mafic and felsic andesites and dacites)
- SORMANY FORMATION (Omi undeveloped):** OS (Mainly pillow flow, with minor massive flow and hydrothermal. Includes some coarse-grained diabase dykes and mafic and felsic andesites and dacites)
- CALIFORNIA LAKE GROUP (Annis Carbonate):** OCa (Boucher Brook Formation, including mafic and felsic andesites and dacites)
- CANOE LANDING LAKE FORMATION (Annis):** OCl (Mainly pillow flow and massive basalt flow, minor pillow basalt and basaltic pyroclastic rocks. Basalts are typically interbedded with mafic and felsic andesites and dacites)
- SPRING LAKE FORMATION (Annis):** OSl (Mainly mafic hydrothermal dykes and mafic and felsic andesites and dacites)
- ROCKY TURN DEPOSIT:** RT (Mafic to felsic volcanic rocks, including mafic and felsic andesites and dacites)

Structural features:

- OPts:** Open (Open fracture)
- OPsh:** Open (Open fracture)
- COcs:** Open (Open fracture)
- COcs:** Open (Open fracture)
- NEOPROTEROZOIC-LOWER CAMBRIAN:** NSu (Upsal Goulet Gabbro)

LITHOLOGIES:

- Com:** Conglomerate
- cg:** Conglomerate
- cs:** Sandstone and/or shale
- ls:** Limestone
- tr:** Tuffaceous sandstone
- Fl:** Flow (approximate or assumed, with rocks towards hanging wall)
- Th:** Thrust fault (approximate or assumed, with rocks towards younger unit)
- Uf:** Unconformity (approximate or assumed, with rocks towards younger unit)

Rock outcrop map by previous workers:

- B:** Bedding dip, top unknown (inverted, overturned)
- g:** Generally parallel to S₁
- F:** Foliation S₁ or S₂ in flow, inclined (top known, overturned, top unknown)
- Fi:** Faulting, F₁
- F₁ + F₂:** Foliation S₁ and fold hinge F₂ in intersection lineation L₁
- F₁ + F₃:** Foliation S₁ and fold hinge F₃ in intersection lineation L₁ (A predicts B)
- Asymmetry of F₁ chevron folds, kinkbands**
- Cong: F₁ kinkbands**
- F₁ locally (with Osi locally known)**
- U-P:** Dip angle locally
- !** Important massive or disseminated sulphide mineralization
- +** Trench
- D:** Dike/fault inclination known, unknown

DESCRIPTIVE NOTES (continued)

The Bathurst Mining Camp is bounded to the north and west by the generally low-relief, low-relief metamorphic zone and to the east by the generally low-relief, low-relief metamorphic zone. The Bathurst Mining Camp is bounded to the north and west by the generally low-relief, low-relief metamorphic zone and to the east by the generally low-relief, low-relief metamorphic zone.

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LITHOLOGIES:

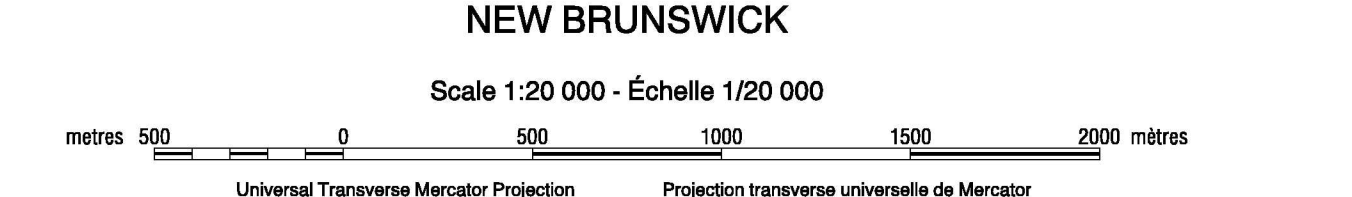
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NORTHERN HALF OF THE BATHURST MINING CAMP (PART OF NTS 21-O/9)

NEW BRUNSWICK
Scale 1:20000 - Échelle 1:20000



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