

GRAND MANAN GEOLOGY REFERENCES

- Alcock, F.J., 1948, Grand Manan, New Brunswick: Geological Survey of Canada, Map 965A (bedrock geology with marginal notes).
- Allaby, E., 1984, Grand Manan: Grand Harbour, Grand Manan Museum, Inc., 64 p.
- Atlantic Geoscience Society, 2001, *The Last Billion Years: A Geological History of the Maritime Provinces of Canada*: Halifax, Nimbus Publishing, 192 p.
- Bailey, L.W., 1872, On the Physiography and Geology of the Island of Grand Manan: *Canadian Naturalist*, v. 6, p. 42-54.
- Barr, S.M., Mortensen, J.K., White, C.E., Friedman, R.M., 2010, Age and petrology of the Machias Seal Island quartz monzodiorite: *Atlantic Geology*, vol. 46, pp. 155-172.
- Black, R.S., Barr, S.M., Fyffe, L.R., and Miller, B.V., 2004, Pre-Mesozoic rocks of Grand Manan, New Brunswick: Field relationships, new U-Pb ages, and petrochemistry, *in* Geological Investigations in New Brunswick for 2003: New Brunswick Department of Natural Resources, Mineral Resources Report 2004-4, p. 21-40.
- Chapman, E.J., 1870, Report on the copper deposit of Grand Manan, Bay of Fundy: Toronto, Geol. Survey Canada, 7 p. with plate.
- Cirilli, S. and 8 others, 2009, Latest Triassic onset of the Central Atlantic Magmatic Province (CAMP) volcanism in the Fundy Basin (Nova Scotia): New stratigraphic constraints: *Earth and Planetary Science Letters*, v. 286, p. 514–525.
- Fyffe, L.R. and Grant, R.H., 2001, Precambrian and Paleozoic geology of Grand Manan Island, *in* Lentz, D., and Pickerill, R., eds., *Guidebook to Field Trips in New Brunswick and Western Maine*: New England Intercollegiate Geological Conference, Fredericton, New Brunswick, Trip A-5, 13 p.
- Fyffe, L.R., Grant, R.H., and McHone, J.G., 2011, Bedrock geology of Grand Manan Island (parts of NTS 21 B/10 and B/15): New Brunswick, Department of Natural Resources: Lands, Minerals, and Petroleum Division, Plate 2011-14 (map scale 1:50,000).
- Fyffe, L.R., van Staal, C.R., Valverde-Vaquero, P., and McNicoll, V.J., 2011, U–Pb Age of the Stanley Brook Granite, Grand Manan Island, New Brunswick: *Atlantic Geology*, v. 47, p. 1-8.
- Grand Manan Historical Society, 1981, Back to the Beginning: Island Geology Re-examined, *in* Ingersoll, L.K., ed., *The Grand Manan Historian*, no. XXIII: Grand Manan, New Brunswick, 49 p.
- Hart, J. and Pajari, G.E., 1988, Environmental Geology and Hydrogeological Review on Grand Manan and White Head islands: N.B. Dept. of Fisheries, open-file report, 27 p. with maps.
- Helmstaedt, H., Lee, D., Pajari, G.E., and Trembath, L.T., 1966, Co-existing pyroxenes in a tholeiite sill, Grand Manan, New Brunswick: G.A.C. – M.A.C. Annual Meeting, Halifax, Nova Scotia.
- Kontak, D.J., 2008, On the edge of CAMP: Geology and volcanology of the Jurassic North Mountain Basalt, Nova Scotia: *Lithos*, v. 101, p. 74–101.
- Legget, R.F. 1980, Glacial geology of Grand Manan Island, New Brunswick: *Canadian Journal of Earth Sciences*, vol. 17, pp. 440–452.
- Lorimer, J.G., 1876, History of Islands & Islets in the Bay of Fundy, Charlotte County, New Brunswick: St Stephen, St Croix Currier, 72 p.
- McHone, J.G, 1996, Broad-terranic Jurassic flood basalts across northeastern North America: *Geology*, v. 24, p. 319-322.

- McHone, J.G., 2001, Mesozoic geology of Grand Manan, *in* Lentz, D. and Pickerill, R., eds., Guidebook to Field Trips in New Brunswick and Western Maine: New England Intercollegiate Geological Conference, Fredericton, New Brunswick, Trip B-6, 16 p.
- McHone, J.G. and McHone, N.W., 2011, Grand Manan Geology: Excursions in Island Natural History: Stones2Gems Publications, Grand Manan, New Brunswick, 50 p.
- McHone, J.G., 2011, Triassic basin stratigraphy at Grand Manan, New Brunswick, Canada: *Atlantic Geology*, v. 47, p. 125-137.
- McLeod, M.J., Johnson, S.C., and Ruitenbergh, A.A., 1994. Geological map of southwestern New Brunswick: New Brunswick: Dept. Natural Resources and Energy, Mineral Resources, Map NR-5, 1:250,000.
- Miller, B V., Barr, S M., and Black, R S., 2007, Neoproterozoic and Cambrian U-Pb (zircon) ages from Grand Manan Island, New Brunswick: Implications for stratigraphy and northern Appalachian terrane correlations: *Canadian Journal of Earth Sciences*, v. 44, no. 7, p. 911-923.
- Pajari, G.E. and Trembath, L.T., 1967, Geochemical Control of Copper Deposition on Grand Manan Island, Bay of Fundy, New Brunswick, *in* Cameron, E.M. (ed.), Proceedings, Symposium on Geochemical Prospecting: Geological Survey of Canada, Paper 66-54, p. 274.
- Patrick, T.O.H. 1964. Exploration of Grand Manan Island for Keevil Mining Group Limited. Geophysical Engineering Surveys Ltd, 17 p. plus appendix, tables, maps, and figures. New Brunswick Department of Natural Resources, Mineral Report of Work # 470333. URL <http://dnremrne.gnb.ca/ParisWeb/AssessmentReportDetails.aspx?Num=470333>
- Pe-Piper, G. and Piper, D.J.W, 1999, Were Jurassic tholeiitic lavas originally widespread in southeastern Canada? A test of the broad terrane hypothesis: *Canadian Journal of Earth Sciences* v. 36, no. 9, p. 1509-1516.
- Pe-Piper, G. and Wolde, B., 2000, Geochemistry of metavolcanic rocks of the Ross Island and Ingalls Head formations, Grand Manan Island, New Brunswick: *Atlantic Geology*, v. 36, p. 103-116.
- Powers, S., 1916, The Acadian Triassic: *Journal of Geology*, v. 16, p. 1-26, 105-122, 254-268.
- Pringle, G.J., Trembath, L.T., and Pajari, G.E., Jr., 1974, Crystallization history of a zoned plagioclase (microprobe analysis of zoned plagioclase from the Grand Manan tholeiite sheet): *Mineralogical Magazine*, v. 39, p. 867-877.
- Ruitenbergh, A.A. and McCutcheon, S.R., 1983, Bedrock, surficial, and environmental geology of North Head, Grand Manan: N.B. Dept. Natural Resources, Mineral Resources Div., Open File Report 83-1, 9 p.
- Seaman, A.A., 1988, Granular aggregate resources, Grand Manan Island (21 B/10) and Campobello Island (21 B/14, 15) map areas, New Brunswick: Report (OF 88-3), 67 p., 2 maps, scale 1:50 000.
- Stringer, P. and Pajari, G.E., 1981, Deformation of pre-Triassic rocks of Grand Manan, New Brunswick, in *Current Research, Part C: Geological Survey of Canada, Paper 81-1C*, pp. 9-15.
- Trembath, L.T., 1973, Zeolite mineral assemblage, Grand Manan Island, New Brunswick, *in* *Geology of New Brunswick: New England Intercollegiate Geological Conference, Trip A-1*, 3 p.
- Wade, J.A. and Jansa, L.F., 1994, Preliminary interpretation of sub-North Mountain Basalt strata, Dark Harbour, Grand Manan Island, New Brunswick: Geological Survey of Canada, *Current Research* no. 1994-E, pp. 227-231.
- Wade, J.A., Brown, D.E., Traverse, A., and Fensome, R.A., 1996, The Triassic-Jurassic Fundy Basin, eastern Canada: regional setting, stratigraphy, and hydrocarbon potential: *Atlantic Geology*, v. 32, p. 189-231.