

Figure 2. Natural air absorbed dose rate for Bathurst, Restigouche, and Kedgwick areas of northern New Brunswick compiled from detailed, 200 metre line spaced, airborne gamma ray spectrometry data. Scale 1:500 000.

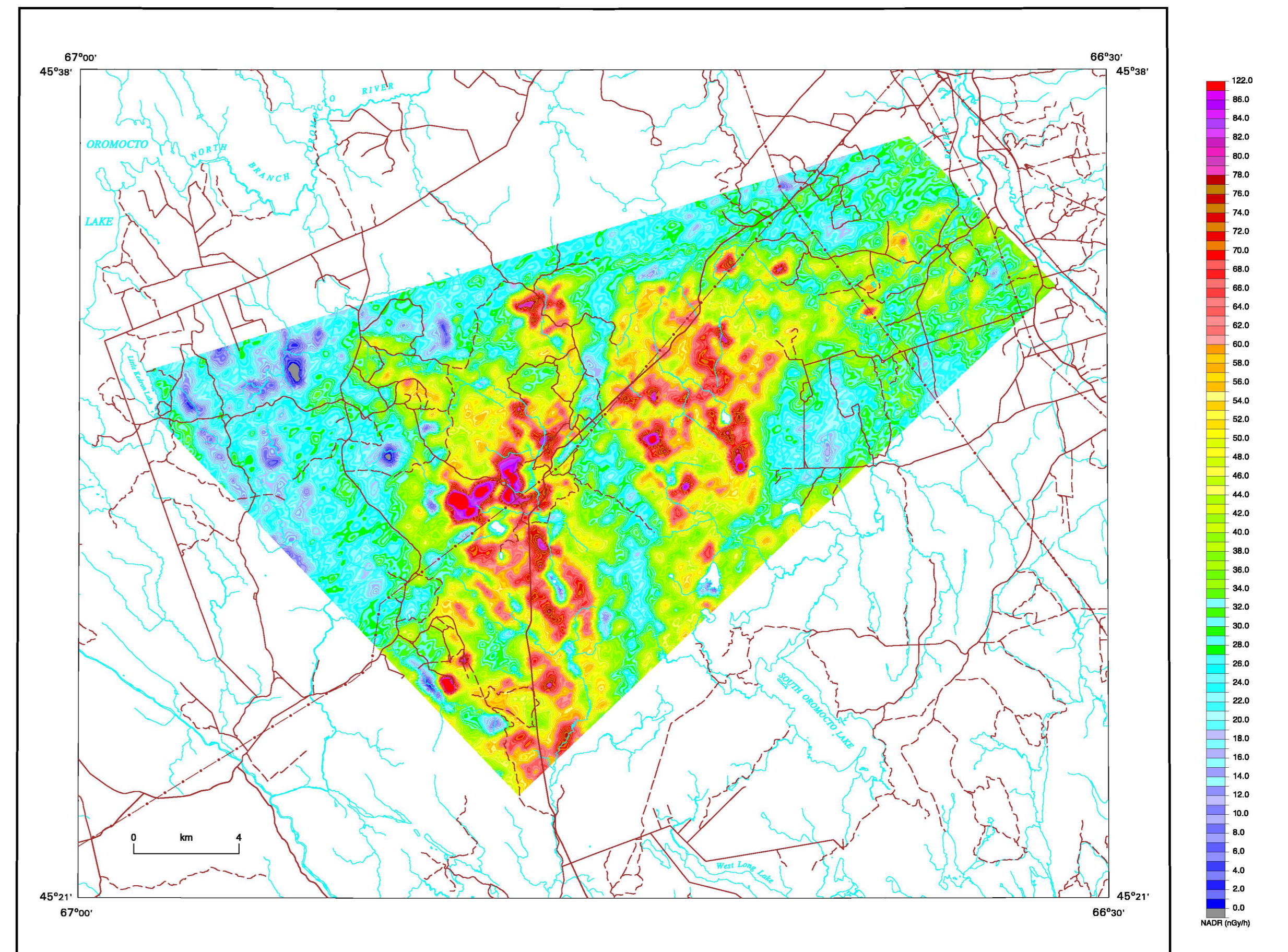


Figure 3. Natural air absorbed dose rate map for the Mount Pleasant area compiled from detailed, 200 metre line spaced, airborne gamma ray spectrometry data. Scale 1:150 000.

**DESCRIPTIVE NOTES**

This radiometric map of New Brunswick is one of a 1:500 000 regional compilation that includes these three provinces (Quebec, Atlantic provinces) and the entire province of Ontario. The data were derived from a 500 000 scale map of the Atlantic provinces and the entire province of Ontario. The data were derived from a 500 000 scale map of the Atlantic provinces and the entire province of Ontario. The data were derived from a 500 000 scale map of the Atlantic provinces and the entire province of Ontario.

- REFERENCES**
- Brown, J., Carson, J.M., Grant, J.A., and Ford, K.L. 1987. A national survey of natural air absorbed dose rates and its application to the South Coast of Newfoundland. *Geological Survey of Canada Paper 87-11*.
  - McNicholl, B.R. 1987. The 1000 metres Mount Pleasant radon concentration, stratigraphy, geology, geophysics and hydrogeology. *Geological Survey of Canada Paper 87-11*.
  - McNicholl, B.R. 1989. Geology, geophysics and related mineral deposits of the Saint George Bathurst, Chatham, Coles and West Coles, New Brunswick. *Geological Survey of Canada Paper 89-11*.
  - Proth, A.G. and Seaman, A.A. 1987. Geology, geophysics and related mineral deposits of the South Coast, N.S. (Proth and D.R. Linn, eds. *Geological Survey of Canada Paper 87-11*).
  - Shives, R.R.K., Ford, K.L., and Charbonneau, B.W. 1986. Geology, geophysics and related mineral deposits of the Mount Pleasant area, New Brunswick. *Geological Survey of Canada Paper 86-11*.
  - Shives, R.R.K., Charbonneau, B.W., and Ford, K.L. 1987. Geology, geophysics and related mineral deposits of the Mount Pleasant area, New Brunswick. *Geological Survey of Canada Paper 87-11*.
  - Thomas, M.D., Walter, J.A., Kestling, P., Shives, R., Kna, F., and Goodfellow, W.D. 2000. Radiometric map of New Brunswick. *Geological Survey of Canada Open File 4494*.

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Digital cartography by J.A.Y. Pratt, Earth Sciences Sector Information Division (ESS Info)

This map was produced from processes in conformance with the Cartographic Services Section Information Management System. Changes registered to the Quality System ISO 9001:2000 standard.

Any revisions known to the user should be indicated by the Geological Survey of Canada.

Digital base map from data compiled by Geomatics Canada, modified by ESS Info.

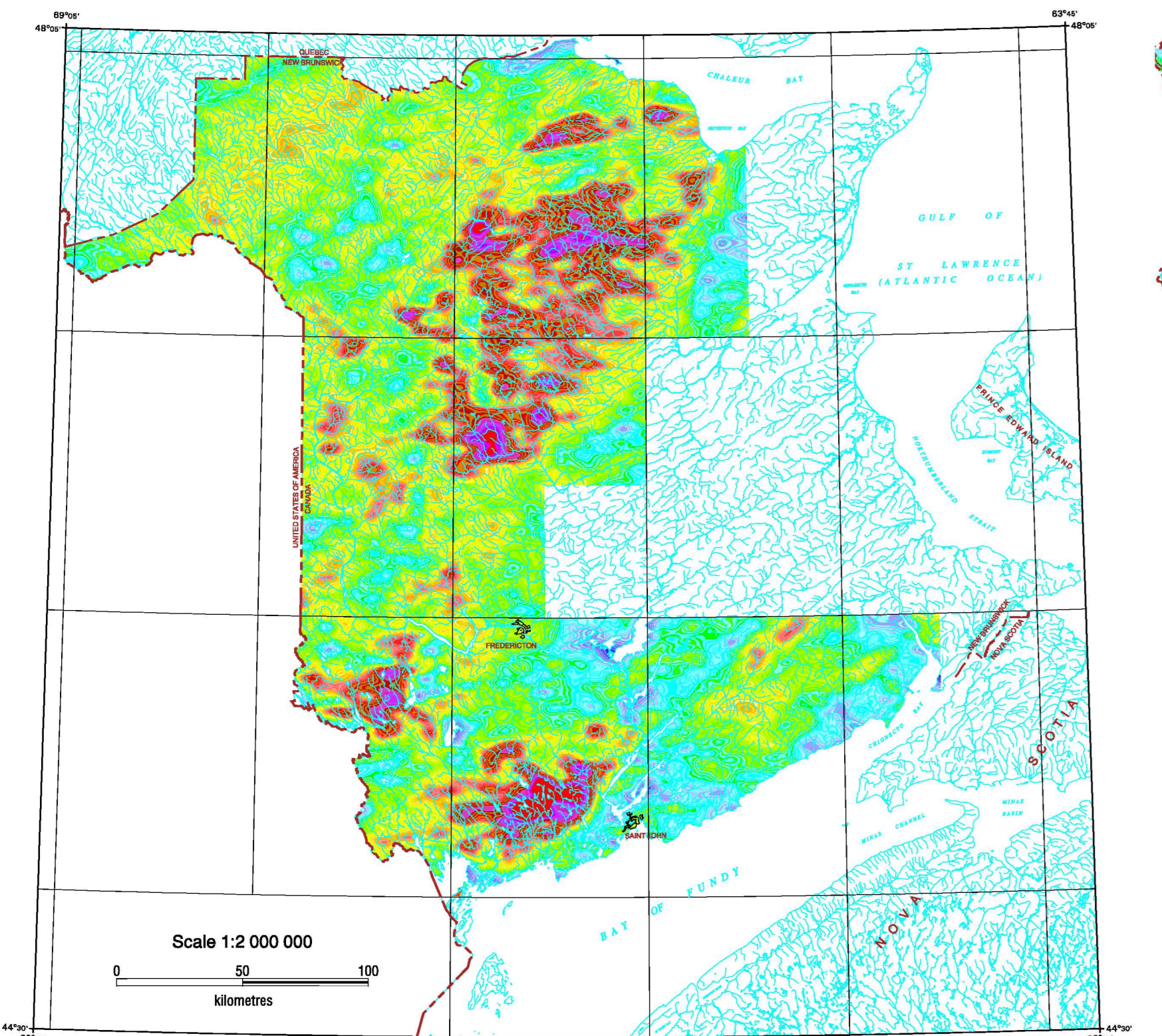


Figure 1. Natural air absorbed dose rate map compiled from reconnaissance, 5000 metre line spaced, airborne gamma ray spectrometry data.

**Natural Air Absorbed Dose Rate**  
OPEN FILE 4494  
**AIRBORNE GAMMA RAY SPECTROMETRY COMPILATION**  
**NEW BRUNSWICK**  
NEW BRUNSWICK  
Scale 1:500 000 / Échelle 1:500 000

Universal Transverse Mercator Projection  
North American Datum 1983  
Projection transversale méridienne de Mercator  
Système de référence géodésique nord-américain, 1983  
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Open File 4494, scale 1:500 000.