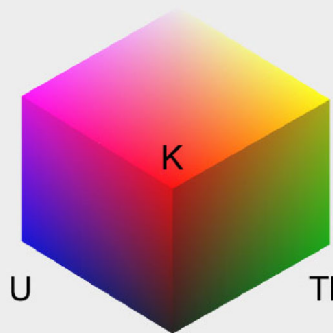


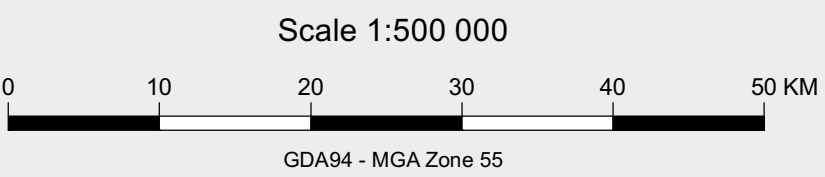
Data Specifications and Production Information

Statewide airborne gamma radiometric grid data, compiled from surveys flown between 1995 and 2022, with line spacing generally 200 m. The data from individual surveys are available from Mineral Resources Tasmania or Geoscience Australia. A composite digital grid is available from the Australian Government's Geoscience Portal and Geoscience Australia's Geophysical Archive Data Delivery Service. The composite grid for this map was levelled on the basis of the Radiometric Map of Australia, which was constructed by Geoscience Australia based on transcontinental control survey flights. Final grid merging was achieved using the GridMerge software tool by Intrepid Geophysics. Mesh cell size is 40 m.

The data are depicted as a ternary image, with surface equivalent concentrations of potassium, thorium and uranium calculated from gamma ray spectrometry indicated by intensity of red, green and blue colours respectively, via a histogram equalisation transform following 99.9% clipping. White thus indicates high concentrations of all three radioelements, and black low. Mean values across the entire data set (including areas over water) are K 0.52%, Th 4.8 ppm, U 1.0 ppm. Note actual ground concentrations will generally be higher than airborne measurements indicate, due to signal suppression by vegetation and other masking effects.



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MINERAL RESOURCES TASMANIA



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Image production: M.L. Duffett.

Map produced by the Spatial Information Services Section of Mineral Resources Tasmania.

Refer to this map as:

Duffett, M.L. (comp.) 2023.
Tasmania - Radiometrics, Scale 1:500 000.
Mineral Resources Tasmania.

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