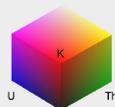


Data Specifications and Production Information

Statewide airborne gamma radiometric grid data, compiled from surveys flown between 1996 and 2013, 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 Intraspac 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. 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 0.55%, Th 5.2 ppm, U 1.1 ppm. Note actual ground concentrations will generally be higher than airborne measurements indicate, due to vegetation masking and other noise effects.



**Department of State Growth
MINERAL RESOURCES TASMANIA**

Scale 1:500 000



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Levelling and grid compilation: M.L. Duffett and R.G. Richardson.

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. June 2017.
Tasmania - Radiometrics,
Scale 1:500 000. Mineral Resources Tasmania.

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