

**EXPLANATORY NOTES FOR THE 1:30 000 OLARY
REGOLITH-LANDFORM MAP OF WHITE DAM.**

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Abstract

The following notes are an accompaniment for the White Dam 1:30 000 Regolith-Landform map produced as part of the principal authors thesis for a doctorate of philosophy, at The University of Adelaide in 2004. The area of the map is constrained by five hyperspectral swaths, which total an area of 250 km². The White Dam region is of significant interest as it hosts a number of sites of Cu-Au mineralisation in an area that contains both regolith- and bedrock-dominated terrains. The regolith landform map contains 1474 polygons and 30 individual regolith-landform units (RLUs). The notes provide an expanded explanation of the RLUs and are accompanied by descriptions of the nature of the regolith materials, landforms and vegetation types and communities that exist in the White Dam area. The regolith-landforms were interpreted using remotely sensed data, including Landsat, ASTER, HyMap, gamma-ray spectroscopy and digital orthoimagery. Ground observations and measurements were performed to validate the RLU in three field trips in 2001-2003.

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