

# Native Vegetation Regulation Extent (2017)

## Vicmap Imagery and Elevation Metadata Report

### Description

**Title:** Native Vegetation Regulation Extent (2017)

**Custodian:**

**Abstract:** This replaces NV2010\_EXTENT\_V3. The extent of native vegetation is the area of land covered by native vegetation. A comprehensive and accurate modelled picture of the distribution of native vegetation remaining across Victoria helps to efficiently invest in biodiversity programs, regulate land and resource use, and understand where further assessment of potential actions may be required or desirable.

**Geographic Extent:** General - Victoria

**Jurisdiction:** Victoria

### Processing Lineage:

Collection Method: Remotely-sensed spectral data from satellite or air-borne sensors

The probability of a 10m (for woody vegetation) and 25m (for grassy vegetation) pixel cell containing native grassy vegetation was modelled separately using multi-spectral imagery from the various Landsat platforms (30m, various years 1989-2007), SPOT panchromatic (10m 1999), MODIS multi-year seasonal means (225m various years 1999-2010), RapidEye (5m 2010) and ALOS radar data (50m 2009-2010). This satellite sensor suite was 'trained' to distinguish woody vegetation from non-woody vegetation, native or non-native woody vegetation, or native grassy or other land cover type using many thousands of training sites and a machine learning algorithm (multi-objective regression trees). The native vegetation extent dataset combines the woody and grassy vegetation binary datasets along with DELWP's existing wetland data.

### Logical Consistency:

N/A

### Completeness:

Victoria

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