

Metadata Statement

Metadata_ID: N/A

Department of Agriculture and Food, Western Australia
Vegetation Theme Metadata – Vegetation Extent

Title: Vegetation extent baseline (2008) - Western Australia
Custodian: Department of Agriculture and Food Western Australia
Jurisdiction: Western Australia

Abstract: A data set containing vegetation extent polygons from the mapping of remnant vegetation in Western Australia. This was originally compiled as part of the vegetation theme of the National Land and Water Resource Audit (NLWRA). The data for the intensive land-use zone (ILZ) in south-western Australia was originally derived from 1995 Landsat TM satellite imagery and has been corrected using digital aerial photography (orthophotos) acquired 1996 to 2006. The extensive land-use zone (ELZ) is presumed to carry vegetation cover except for the major irrigated areas at Kununurra and Carnarvon. These have been removed from extent mapping for the ELZ. The dataset has been progressively updated by the Department of Agriculture post-NLWRA with assistance the Department of Conservation and Land Management. Mapping has recently been updated to 1:20,000 using digital orthophotography. Some south west coastal areas have been captured at a scale of 1:5000 and 1:10000.

Search Words(s): Vegetation extent, National Land and Water Resource Audit (NLWRA), Western Australia

Geographic Extent : South-Western Australia

Beginning Date: January 2007
Ending Date: August 2008

Progress: Completed
Update Frequency: As required

Stored Data Formats: Geomedia Access Warehouse
Available Data Formats: Geomedia Access Warehouse and Arc View Shape files
Access Constraint: License on request

Lineage: The data for the intensive land-use zone (ILZ) in south-western Australia was originally derived from 1995 Landsat TM satellite imagery and has been corrected using digital aerial photography (orthophotos) acquired since 1996. The extensive land-use zone (ELZ) is presumed to carry vegetation cover except for the major irrigated areas at Kununurra and Carnarvon. These have been removed from extent mapping for the ELZ. Edge matching for ILZ and ELZ datasets was conducted for the NLWRA to a tolerance of six metres. Plantation for harvesting were removed from the vegetation extent by CALM at the conclusion of the original dataset production. The resultant dataset has been progressively updated by the Department of Agriculture post-NLWRA with assistance the Department of Conservation and Land Management.

Mapping has recently been updated to 1:20,000 using digital orthophotography. The following images were used:

ORTHOPHOTO	ORTHOPHOTO Capture Date	Ground Resolution	Accuracy Meters	Location
Ajana 1842 Oct 2006 Mosaic	Oct-06	50cm	10	Ajana (1842)
Albany Mount Barker Mosaic	February 2002, April 2003, March 2003	1.4m	8	Albany (2427), Mount Barker (2428)
Arrowsmith 1938 Jul 2006 Mosaic	Jul-06	50cm	10	Arrowsmith (1938)
Badgingarra 2037 Feb 2006 Mosaic	Feb-06	50cm	5	Badgingarra (2037)
Beaumont 3431 Nov 2003 Mosaic	Nov-03	1.4m	10	Beaumont (3431)
Beverley 2233 Mar 2006 Mosaic	Mar-06	50cm	5	Beverley(2233)
Bremer 2729 Hood Point 2829 Jan 2004 Mosaic	Jan-04	1.4m	10	Bremer Bay (2729), Hood Point (2829)
Bridgetown 2130 Nov 2004 Mosaic	Nov-04	50cm	10	Bridgetown (2130)
Brookton 2333 Dec 2005 Mosaic	December 2005, February 2006	80cm	5	Brookton (2333)
Buraminy 3531 Nov 2003 Mosaic	Nov-03	1.4m	10	Buraminy (3531)
Burdett 3331 Nov 2003 Mosaic	Nov-03	1.4m	10	Burdett (3331)
Burngup 2631 Mar 2003 Mosaic	March 2003, May 2003	1.4m	7	Burngup (2631)
Busselton Donnybrook Mosaic	February 2003, March 2003	50cm	5	Busselton (1930), Donnybrook (2030)
Carnamah 2038 Feb 2006 Mosaic	Feb-06	50cm	5	Carnamah (2038)
Caron 2138 Dec 2004 Apr 2005 Mosaic	December 2004 / April 2005	50cm	5	Caron (2138)
Chittering 2135 Jan 2006 Mosaic	Jan-06	50cm	5	Chittering (2135)
Cocanarup 2830 Nov 2003 Mosaic	Nov-03	1.4m	5	Cocanarup (2830)
Collie 2131 Dec 2004 Mosaic	Dec-04	50cm	5	Collie (2131)
Coolcalalaya 1942 Dec 2004 Mosaic	Sep-99	1.4m	10	Coolcalalaya (1942)
Corrigin North Mosaic	February 2001, March 2001, May 2001	1.4m	10	Corrigin North
Corrigin South Mosaic		1.4m	10	Corrigin South
Crossman 2232 Mar 2006 Mosaic	16/03/2006	50cm	5	Crossman(2232)
Dalwallinu 2237 Jan 2006 Mosaic	Jan-06	50cm	10	Dalwallinu (2237)
Dandaragan 2036 Mar 2004 Mosaic	Mar-04	50cm	10	Dandaragan (2036)
Darkan 2231 Jan 2005 Mosaic	December 2004, January 2005	50cm	5	Darkan (2231)
Darkan Mosaic	Mar-01	50cm	5	Darkan (2231)
Deep River 2228 Apr 2000 Mosaic	March 2000, April 2000	1.4m	10	Deep River (2228)
Denmark 2326 Jan 2007 Mosaic	Jan-07	50cm	10	Denmark (2326)
Dinninup 2230 Nov 2004 Mosaic	Nov-04	50cm	10	Dinninup (2230)
Donnelly 2029 Dec 2004 Mosaic	Dec-04	50cm	10	Donnelly (2029)
Donnybrook 2030 Nov 2004 Mosaic	Nov-04	50cm	10	Donnybrook (2030)
Dumbleyung 2431 Feb 2006 Mosaic	Feb-06	50cm	5	Dumbleyung (2431)
Dundas 3232 Feb 2003 Mosaic	Feb-03	1.4m	10	Dundas (3232)
Dwellingup 2132 Mar 2006 Mosaic	16/03/2006	50cm	5	Dwellingup (2132)
Geraldton 1840 Feb 2006 Mosaic	Feb-06	50cm	5	Geraldton (1840)
Gingin 2035 Jan 2006 Mosaic	Jan-06	50cm	5	Gingin (2035)
Goomalling 2235 Jan 2006 Mosaic	Jan-06	50cm	5	Goomalling (2235)
Hill River 1937 Feb 2006 Mosaic	Feb-06	50cm	5	Hill River (1937)
Howick 3430 May 2003 Mosaic	May-03	1.4m	10	Howick (3430)
Hutt 1741 Oct 2006 Mosaic	Oct-06	50cm	10	Hutt (1741)
Indarra 1940 Feb 2007 Mosaic	Feb-07	50cm	10	Indarra (1940)
Jacup 2730 Nov 2003 Mosaic	Nov-03	1.4m	5	Jacup (2730)
Jerramungup 2630 Jan 2004 Mosaic	Jan-04	1.4m	5	Jerramungup (2630)
Jerramungup Townsite Feb 2004 Mosaic	Feb-04	20cm	5	Jerramungup Townsite
Kalannie 2337 Jan 2006 Mosaic	Jan-06	50cm	10	Kalannie (2337)
Kalbarri_1742_Oct_2006_Mosaic	Oct-06	50cm	10	Kalbarri (1742)
Katanning 2430 Jan 2006 Mosaic	Jan-06	50cm	10	Katanning (2430)
Kojonup 2330 Jan 2006 Mosaic	Jan-06	50cm	10	Kojonup (2330)
Koorda Mosaic	May-03	1.4m	5	Koorda (2336)
Kukerin 2531 Feb 2006 Mosaic		50cm	5	Kukerin (2531)
Ledge Point Gingin Mosaic	December 2002, June 2003	50cm	5	Gingin (2035), Ledge Point (1935)
Leeuwin 1929 Dec 2004 Mosaic	Dec-04	50cm	10	Leeuwin (1929)
Lort 3131 May 2003 Mosaic	May-03	1.4m	10	Lort (3131)
Manjimup 2129 Dec 2004 Mosaic	Dec-04	50cm	10	Manjimup (2129)
Meerup 2028 Dec 2004 Mosaic	Dec-04	50cm	10	Meerup (2028)
Merivale 3330 Mar 2002 May 2003 Mosaic	March 2002 / May 2003	1.4m	10	Merivale (3330)
Metro North West 2004 Mosaic	Dec-03	40cm	4	Metropolitan West
Metro South West 2004 Mosaic	Dec-03	40cm	4	Metropolitan West
Mongers 2238 Dec 2004 Apr 2005 Mosaic	December 2004 / April 2005	50cm	5	Mongers (2238)
Moora Mosaic	Jan-03	1.4m	10	Moora (2136)
Mount Barker North Colour Mosaic	March, April 2001	1.4m	10	Mount Barker North
Mount Gibson 2338 Dec 2004 Apr 2005 Mosaic	December 2004, April 2005	50cm	5	Mount Gibson (2338)
Mungo 1941 Oct 2006 Mosaic	Oct-06	50cm	10	Mungo (1941)
Northampton 1841 Oct 2006 Mosaic	Oct-06	50cm	10	Northampton (1841)
Northcliffe 2128 Dec 2004 Mosaic	Dec-04	50cm	10	Northcliffe (2128)
Northover 3031 Jan 2004 Mosaic	Jan-04	1.4m	10	Northover (3031)
Nyabing 2530 Jan 2006 Mosaic	Jan-06	50cm	10	Nyabing (2530)
Oldfield 3030 Jan 2007 Mosaic	Jan-07	50cm	10	Oldfield (3030)
Pallinup Cheyne Mosaic	December 1998, January 1999	1.4m	10	Pallinup (2629), Cheyne (2628)
Peak Charles 3132 Feb 2003 Mosaic	February 2003, September 2003	1.4m	10	Peak Charles (3132)
Perenjori 2139 Apr 2005 Mosaic	Apr-05	50cm	5	Perenjori (2139)
Ravensthorpe 2930 Jan 2007 Mosaic	Jan-07	50cm	10	Ravensthorpe (2930)
Rothsay 2239 Jan 2006 Mosaic	Jan-06	50cm	10	Rothsay (2239)
Sandy Bight 3530 Nov 2003 Mosaic	May, November 2003	1.4m	10	Sandy Bight (3530)
Scaddan 3231 Jan 2004 Mosaic	Jan-04	1.4m	10	Scaddan (3231)
Stokes Inlet 3130 Jan 2007 Mosaic	Jan-07	50cm	10	Stokes Inlet (3130)
Tallering 2041 Feb Apr 2005 Mosaic	May, April 2005	50cm	5	Tallering (2041)
Tonebridge 2229 Dec 2004 Mosaic	Dec-04	50cm	10	Tonebridge (2229)
Wagin 2331 Feb 2006 Mosaic	Feb-06	50cm	5	Wagin (2331)
Watheroo 2137 Jan 2006 Mosaic	Jan-06	50cm	10	Watheroo (2137)
Wedge Island 1936 Mar 2004 Mosaic	Mar-04	50cm	10	Wedge Island (1936)
Wongan Mosaic	June 2000, October 2000	1.4m	10	Wongan (2236)

Digital Orthophotography List Continued

ORTHOPHOTO	ORTHOPHOTO Capture Date	Ground Resolution	Accuracy Meters	Location
Bruce Rock 2534 Jan 2006 Mosaic	Jan-06	50cm	10	Bruce Rock (2534)
Chittering 2135 Jan 2006 Mosaic	Jan-06	50cm	5	Chittering (2135)
Cunderdin 2334 Oct 2004 Mosaic	October 2004, November 2004	50cm	10	Cunderin (2334)
Dowerin 2335 Nov 2004 Mosaic	Nov-04	50cm	5	Dowerin (2335)
Goomalling 2235 Jan 2006 Mosaic	Jan-06	50cm	5	Goomalling (2235)
Kellerberrin 2434 Oct 2004 Mosaic	October 2004, November 2004	50cm	10	Kellerberrin (2434)
Merredin 2535 Nov 2004 Mosaic	Nov-04	50cm	10	Merredin (2535)
Northam 2234 Mar 2006 Mosaic	19/03/2006	50cm	5	Northam (2234)
Trayning 2435 Nov 2004 Mosaic	Nov-04	50cm	10	Trayning (2435)

An attribute 'ORTHOPHOTO' has been added for orthophotography record. For areas digitised at 1:5000 and 1:10000 attribution 'Map Sheet', 'Remnant Number', 'Part Number' as per 'Bioplan' CRIS Job number 2005267.

Positional Accuracy: See notes under Lineage for individual digital orthophoto sources used.

Attribute Accuracy: Vegetation extent mapping was checked against digital orthophotography acquired post 1995. The mapping is suitable for use between 1:20,000 and 1:100,000 in the ILZ depending on the area mapped. Areas mapped from the orthophoto images listed under Lineage are suitable for use at 1:20,000. All other areas are suitable for use at 1:100,000.

Logical Consistency: Vegetation mapping was checked against field survey records for gross omissions.

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