

## FORESTRY

Dataset Title	GREEN TRIANGLE BIOMASS POTENTIAL - GREEN_TRIANGLE_BIOMASS_POTENTIAL
Status	Published
Metadata Maintained by	DEM
<b>Description</b>	
Category	BIOENERGY
Theme	RESIDUES
Keywords and Qualifiers	ENERGY Bioenergy
Dataset Type	Spatial
Description	Data generated and collected for the Australian Biomass for Bioenergy Assessment project for upload onto the Australian Renewable Energy Mapping Infrastructure
Dataset Use	South Australian component of a national initiative to catalyse investment in Bioenergy projects
Projection/ Coordinate System	GDA 2020



## Custodian

### Data Authority

Data Authority	Department for Energy and Mining
Data Authority Name	Customer Services Level 4, Waymouth Street, Adelaide Department for Energy and Mining <a href="mailto:resources.customerservices@sa.gov.au">resources.customerservices@sa.gov.au</a>

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### Data Provider

Data Provider Department for Energy and Mining

## Data Quality

**Lineage** Biomass potential has been provided from the following report: Geddes, D. 2010, “*Alternative Energy Solutions Project; a business case for forest waste feedstock energy production*”. The above report was prepared for the Limestone Coast Regional Development Board to analyse the potential for this region to be a significant alternative energy region in Australia using forest residual biomass as a feedstock. For blue gum clear fell there is a low risk to supply being achieved. For pine thinning and pine clear fell there is a moderate risk to supply being achieved. For pine and blue gum stumps there is a high risk to supply being achieved. Whilst the report itself is several years old, in conversing with its author, the information is still relevant in terms of potential volumes of residues. Changes to management have meant that the potential for adding value in the supply chain may have increased somewhat since the publication of the report. It is recommended that the Report be consulted in terms of the values represented in this dataset and the commentary on bioenergy viability and harvesting issues, as well as a general overview of the region. The Report can be found at the following website:  
[http://www.rdalc.org.au/application/files/7514/5568/1419/Alternative\\_Energy\\_Solutions.pdf](http://www.rdalc.org.au/application/files/7514/5568/1419/Alternative_Energy_Solutions.pdf)

**Completeness** Complete  
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**Positional Accuracy** NPI boundaries represent economic wood supply zones. These boundaries have been described in the National Forest Inventory 2011, National Plantation Inventory 2006/2012, and maps compiled by ABARES 2013.

Source: <https://www.agriculture.gov.au/abares/research-topics/forests/forest-data#australian-plantation-statistics>

Method / Capture Scale	Method	Capture Scale	Comment
	Process Modelling	National Plantation Inventory Boundary	The forestry footprint is derived from ABARES forestry spatial data clipped to the National Plantation Industry Boundary for the Green Triangle which comprises forestry in the South East of South Australia and the South West of Victoria.

## Tables

**Feature Dataset: FORESTRY**

Feature Classes:		
Type	Feature class name	Alias
POLY	GREENT_TRIANGLE_BIOMASS_POTENTIAL	GREENT TRIANGLE BIOMASS POTENTIAL

## Field Description

Minimum field requirements for each feature class listed above.

Some feature classes may have additional fields listing volumes of specific source crops and/or residue categories (e.g. Wheat, Beans, Manure and Chaff, Stems, Shells, Bedding straw etc.)

Table	Name	Data Type	Description
e.g. Cereal Straw	REGION_NAME	Text	Local name of the spatial unit for which the data is published. This can be a defined boundary like a local government area or it can be a custom spatial unit depending on the source of the data.
	REGION_TYPE	Text	Defined region for which the data is being published; e.g. Local Government Area, ASGS 2011 - ABS SA4, National Plantation Inventory Boundary etc.
	RESIDUE_TYPE	Text	Type of residue mapped; e.g. Harvest residues, Wood processing residues, Grape Marc etc.
	RESIDUE_UNIT	Text	Unit the residue has been recorded in; e.g. kilograms, dry tonnes, hectares etc. This unit applies to the following fields: TOTAL RESIDUES, MINIMUM, and MAXIMUM.

	BIOMASS_DESCRIPTION	Text	Detailed description of the type of residue mapped. This may include whether this data is presented as an average, a once off value or provide further detail on the residue or feedstock.
	TIMEFRAME	Text	Time period for when the data was sourced, collected or predicted; e.g. 2010-2015, 2015, 2020-2030 etc.
	TOTAL_RESIDUES	Long Integer	Total value of the residue mapped (as described in RESIDUE TYPE and defined in RESIDUE UNIT).
	FOREST_TYPE	Text	Type of forestry represented. Can include Plantation or Native.
	WOOD_TYPE	Text	Type of wood represented. Can include softwood or hardwood.
	POTENTIAL_TPA	Long Integer	Potential Tonnes Per Annum
	TENURE	Text	Public or Private
	MINIMUM	Long Integer	Minimum potential value calculated over the time period outlined in TIMEFRAME. Note, this field may not always be populated and its value may depend on the data source and/or analysis. The data in this field provides an indication of the potential variation in feedstocks over time. In some cases it may reflect climatic variations or seasonal

			availability which will be detailed in NOTE.
	MAXIMUM	Long Integer	Maximum potential value calculated over the time period outlined in TIMEFRAME. Note, this field may not always be populated and its value may depend on the data source and/or analysis. The data in this field provides an indication of the potential variation in feedstocks over time. In some cases it may reflect climatic variations or seasonal availability which will be detailed in NOTE.
	FIRST_THINNING		Residues from thinning the forestry early in the growing cycle.
	CLEAR_FELL		Debris left from clearing all of the forest area.
	STUMPS		Stumps left in situ after harvest.
	SPECIAL_THINNING_EARLY		Potential for thinning early for silvicultural reasons and selling product from row thinnings into the bioenergy market.
	CHANGE_PINEPULP_BIOFUEL_MIX		Potential of modifying and selling the product from row thinnings into the bioenergy market.
	FIRE_DAMAGE		Volumes available from fire (or hail) damaged plantations occur periodically.

	NOTE	Text	Any relevant additional information related to the dataset. This field may be left blank.
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## Dataset Status

Initially Acquired	30-MAR-2017
Last Updated	07-JULY-2017
Update Frequency	As required
Maintenance Method	N/A
Metadata Created	27-JULY-2017
Metadata updated	01-OCTOBER-2020

## Security Classification

ISMF Classification	Public
ISMF Integrity	I1 - MODERATE Requirement
ISMF Availability	A1 - MODERATE Requirement
AusGOAL Licensing Classification	CC BY (Attribution)
Attribution	
Further considerations for supply of dataset	No

## Operator Notes

Related Datasets and Associated Products	NPI Boundaries South Australian Landuse 2008
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For more information

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