NATIONAL PIGGERY RESIDUES

Dataset Title	NATIONAL_PIGGERY_RESIDUES
Status	Published
Metadata Maintained by	DEM

Description

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

Department for
Energy and Mining

SOUTH
AUSTRALIA

Government of South Australia
Department for Energy and Mining

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
	resources.customerservices@sa.gov.au
Data Manager	Robert Middleton
	Spatial Systems Manager
	Department of the Planning, Transport & Infrastructure
	Robert.Middleton@sa.gov.au
	8343 2015
Subject Matter Expert and Data Integrity Officer	Mary Lewitzka
	Bioenergy Industry Development Officer
	Department for Energy and Mining
	Mary.Lewitzka@sa.gov.au
	8429 3515

Data Provider

Data Provider	Department for Energy and Mining

Data Quality

Lineage   This data outlines the resources from piggeries across Australia aggregated by Postal Area.

The data includes information on Conventional flush manure and Spent bedding - calculated as Tonnes of Volatile Solids per annum on a dry basis & Tonnes of dry matter per annum.

In this context residues are considered to be organic materials (such as manure or spent bedding) created through the production process other than the principal product (e.g. meat). Residues are generally considered a waste although they may still be in beneficial use.

Estimated as amount of dry matter (Total Solids) and the organic fraction partially convertible to biogas (Volatile Solids). Two main residue types: Liquid manure effluent (VS/TS ratio 0.8; and Deep litter (aka spent bedding) (VS/TS ratio 0.7)

Completeness   Complete

Positional Accuracy   Postcodes are represented in ABS as Postal Areas (POA). The ABS Structures are areas that the ABS designs specifically for outputting statistics. This means that the statistical areas are designed to meet the requirements of specific statistical collections as well as geographic concepts relevant to those statistics such as remoteness and urban/rural definitions. This helps to ensure the confidentiality, accuracy and relevance of the data. The ABS Structures are stable for five years to enable better comparison of data over time.

Source:
http://www.abs.gov.au/websitedbs/D3310114.nsf/home/Australian+Statistical+Geography+Standard+(ASGS)

Method / Capture Scale

Method	Capture Scale	Comment
Process Modelling	ABS POA	Based on Postcode data collected by Australian Pork Limited and initial processing done by University of Queensland

Tables

Feature Classes:	

Type	Feature class name	Alias
POLY	NATIONAL_PIGGERY_RESIDUES	NATIONAL PIGGERY RESIDUES

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. Piggery Residues	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

Department for
Energy and Mining

SOUTH
AUSTRALIA

Government of South Australia
Department for Energy and Mining

			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).
	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.
	COMMENT	Text	Any relevant additional information related to the dataset. This field may be left blank.

Department for
Energy and Mining

SOUTH
AUSTRALIA

Government of South Australia
Department for Energy and Mining

Dataset Status

Initially Acquired	30-MAR-2017
Last Updated	07-FEBRUARY-2020
Update Frequency	As required
Maintenance Method	Incorporate updated apl DATA
Metadata Created	27-JULY-2020
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	ABS Digital Boundaries
	South Australian Landuse 2008

For more information

Mary Lewitzka, Clean Energy Transition Email: Mary.Lewitzka@.sa.gov.au
Phone: (08) 8429 3515 Web: http://energymining.sa.gov.au/