

Title	Acid Sulfate Soils Risk in the Lower Hunter 2008
Abstract	This project has mapped the occurrence of Acid Sulfate Soils (ASS) in the lower Hunter River floodplain using Light Detection and Ranging (LiDAR) data. The map provides information that will assist land management and rehabilitation. In their natural state, these soils are submerged but when exposed or drained, they become oxidised and sulfuric acid is produced. This reduces soil fertility, kills vegetation and reduces fish populations. The identification of the location and extent of potential acid sulfate soils (PASS) is the essential first step in managing this problem.
Resource locator	
Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Acid Sulfate Soils Risk in the Lower Hunter 2008 Function: download
Download Package	Name: Download Package Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data (Shapefile and Esri Layer File) Function: download
Unique resource identifier	
Code	138d22ad-ae83-4df6-b7d2-45ded8853974
Presentation form	mapDigital
Edition	1.1
Dataset language	eng
Metadata standard	
Name	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata
Version	1.1
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/138d22ad-ae83-4df6-b7d2-45ded8853974
Purpose	Legislative and regulatory requirements
Status	completed
Spatial representation	
Type	vector
Spatial reference system	
Authority code	GDA94 Geographic (Lat\Long)
Code identifying the spatial	4283

reference system	
Spatial resolution	5 m
Additional information source	Original Metadata date: 02 July 2004 (2004-07-02) ;Metadata Reference: http://canri.nsw.gov.au/nrdd/records/ANZNS0359000004.html ;;Information in this metadata statement is sourced primarily from Naylor,S.D., Chapman G.A., Atkinson, G., Murphy, C.L., Tulau,M.J., Flewin, T.C., Milford, H.B., Morand, D.T., 1998, Guidelines for Use of Acid Sulfate Soils Risk Maps.
Topic category	
Keyword set	
keyword value	SOIL SOIL-Chemistry
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	151.59
East bounding longitude	151.9
North bounding latitude	-32.94
South bounding latitude	-32.75
Vertical extent information	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
Temporal extent	
Begin position	2011-04-08
End position	N/A
Dataset reference date	
Date type	publication
Effective date	2014-08-08
Date type	revision
Effective date	2011-08-04
Resource maintenance	
	None

Contact info

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Lineage

The maps predict the distribution of Acid Sulfate Soils (ASS) based on an assessment of the geomorphic environment. This assessment has involved mapping of the environments in which they are likely to be found, being the coastal lowlands up to approximately 10m AHD and carrying out fieldwork to establish field relationships between landform, elevation and occurrence of ASS. ; ; Landform elements were used as the basic mapping unit. These provide a basis for land use planning and allow the application of elevation classes so that the depth of occurrence of ASS within a landform element can be estimated. It allows the prediction of soil management problems in other areas with similar landform and soil characteristics. ; ; ASS maps are not intended to provide site specific ASS information. The information derived from the maps cannot be used in the assessment of the potential to effectively manage ASS in a particular development. When using ASS maps, it must always be remembered that there can be expected to be extreme variations in the nature and distribution of of ASS and that the depth to the ASS layer can be highly variable. The depths given in the map key should be used as a guide only and not used for a specific assessment of development potential. ; ; It is recommended that all land use activities likely to disturb ASS require appropriate soil investigations and a management plan to avoid environmental degradation.

Metadata imported.C:\Program Files\ArcGIS\Metadata\ANZMeta\Thesaurus\temp.xml2008090911100000Metadata imported.D:\SDC\metadata\NSW_ACIDRISK.xml2008090911125700

Limitations on public access

Scope	dataset
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Responsible party

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Responsible party role	distributor

Metadata date	2011-04-08
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Metadata language	eng
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