

Title	Sydney Harbour Coastal Saltmarsh Ecological Endangered Community. VIS_ID 4157
Alternative title(s)	SydneyHarbourSaltmarsh04_E_4157
Abstract	<p>An assessment of saltmarsh of Sydney Harbour and the Parramatta River by NSW Department of Primary Industries, Cronulla. The first map showing the distribution of saltmarsh for the Parramatta River-Sydney Harbour estuary was created from aerial photos taken in the late 1970s (West et al. 1985). A subsequent map prepared from photos taken in 2000 (West et al. 2004) suggested there had been little change in distribution. However, recent anecdotal reports indicate that there may be many more small patches of saltmarsh than can be defined with aerial photography. Aerial photography and pedestrian survey were used to locate saltmarsh on the foreshore of the Parramatta River-Sydney Harbour, including the estuarine portions of Middle Harbour, Lane Cove River and Duck River. The location, condition and species composition of each patch was determined. Saltmarsh was defined as any intertidal community containing one or more species defined as "Characteristic Species" by the NSW Scientific Committee (2004) in its listing of Coastal Saltmarsh as an Endangered Ecological Community. The most recent aerial photographic coverage of the catchment of the Parramatta River was obtained. The boundaries of saltmarsh were mapped via onscreen digitising using Arcview version 3.3. To ensure consistent spatial accuracy, all digitising was carried out at an onscreen scale of 1: 700 or better. Presumptive maps of saltmarsh were printed at various scales to facilitate on-ground observations. Comprehensive pedestrian and boat based field surveys were carried out of the estuary's entire shoreline, with all saltmarsh patches identified field recorded, regardless of size. The results of field surveys were used to correct and re digitise the preliminary map as appropriate.</p> <p>This 2006 version was supplied as a final step to Stage 2 in 2008. It has less polygons (757) than the former version (772).</p> <p>VIS_ID 4157</p>
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for Saltmarsh Mapping of Sydney Harbour, Parramatta River. VIS_ID 4157</p> <p>Function: download</p>
Download Package	<p>Name: Download Package</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data (Shapefile) and Report (PDF)</p> <p>Function: download</p>
Unique resource identifier	
Code	36b8bdaf-fd52-4d9b-bcbc-e541d0f71d57
Presentation form	Map digital
Edition	Stage 2
Dataset language	English
Metadata standard	
Name	ISO 19115

Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/36b8bdaf-fd52-4d9b-bcbc-e541d0f71d57
Purpose	To map saltmarsh for Sydney Harbour and the Parramatta River.
Status	Completed
Spatial representation	
Type	vector
Geometric Object Type	complex
Geometric Object Count	757
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	10 m
Additional information source	Footprint supplied only. Contact NSW Roads & Maritime Services (RAMS) for data access. Kelleway, J., Williams, R.J. and Allen, C.B. (2007) An Assessment of the Saltmarsh of the Parramatta River and Sydney Harbour. NSW Dept. of Primary Industries, Cronulla.
Topic category	

Keyword set	
keyword value	VEGETATION ECOLOGY-Community
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	151.000214
East bounding longitude	151.285858
North bounding latitude	-33.872696
South bounding latitude	-33.749464
NSW Place Name	Sydney Harbour and Parramatta River Foreshore
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	2007-01-01
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	As needed
Contact info	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
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Responsible party role	pointOfContact

Lineage For more information see: Kelleway, J., Williams, R.J. and Allen, C.B. (2007) An Assessment of the Saltmarsh of the Parramatta River and Sydney Harbour. NSW Dept. of Primary Industries, Cronulla. API was carried out on screen using ArcView v3.3 using 195 digital, ortho-rectified colour aerial photographs in a mosaic ECW format grid file. The aerial photography for the API was captured in April 2003 to a resolution of 15cm per pixel. Other datasets used to assist in the API included 2m contour lines (DEM), the Sydney digital 1:50,000 scale soils map, cadastre, 20cm pixel 2001 digital, ortho-rectified aerial photographs, NSW Maritime legal property title boundary, and digitised and hard copy vegetation maps from the Department of Environment and Conservation (DEC) (ex NPWS), LGAs, Botanic Gardens Trust and other. Data collection method: Preliminary aerial photography interpretation performed to identify potential ecological communities of different structures and condition. Field maps of aerial photography with API polygons were printed at 1:800 or finer for saltmarsh surveys. Comprehensive field surveys of the entire estuarine shoreline were by foot and/or boat as needed for access. Surveys were conducted between June 2005 and June 2006 for saltmarsh data. Maps were annotated in the field and attributes tabulated. Most saltmarsh patches were too small (50% of patches less than 30m squared) to accurately display on the printed preliminary maps, so patch shapes were also drawn on waterproof paper. These maps and tabulations were used to finalise the API. API, data capture, digitising, editing, checking and a final topological consistency check of the data set was done by Jeff Kelleway (NSW DPI) with assistance from Chris Allen (Botanic Gardens Trust (DEC)). Final product in ArcView shapefile format. Aerial photographs used had a positional accuracy of less than 0.5m. All Polygons were digitised on screen at a scale of 1:800 or finer. Attributes for all polygons were described on the basis of field surveys. Attribute tables were checked for consistency. All polygons are labelled with an identifier. No polygons have more than one label. Polygons were visually checked for their distribution in terms of locality and for overlaps. Spatial data was checked to ensure that: all classified polygons are closed; nodes are formed at the intersection of lines; that there are no multi-part shapes; and that there is only one label within each polygon All features were mapped at a scale of 1:800 or finer, on the basis of comprehensive field surveying. This has meant that saltmarsh has been mapped down to an area of 0.2m². All polygons are assigned a label "Coastal Saltmarsh (EEC)." All features were visually checked and compared with original aerial photos for completeness of mapping. All raster layers were compared to ensure completeness of coverage and to ensure no missing values.

Limitations on public access

Responsible party

Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

Metadata point of contact

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Metadata language