

<b>Title</b>	Hastings River Floodplain Prioritisation Study
<b>Abstract</b>	The Coastal Floodplain Prioritisation Study covered seven estuaries on the NSW floodplain. The study included an extensive data collection and collation process to improve understanding of the processes and areas that contribute to poor water quality and improve overall floodplain management. The data delivered here includes information on floodplain drainage infrastructure, soil stratigraphy and hydraulic conductivity, sea level rise vulnerability and drain cross sections. The final outcomes of the prioritisation for the Hastings River floodplain with respect to acid and blackwater generation is also provided.
<b>Resource locator</b>	
<a href="#">Hastings River Floodplain Prioritisation Study Data Quality Statement</a>	<p>Name: Hastings River Floodplain Prioritisation Study Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data Quality Statement for Hastings River Floodplain Prioritisation Study</p> <p>Function: download</p>
<a href="#">Hastings River Floodplain Prioritisation Study</a>	<p>Name: Hastings River Floodplain Prioritisation Study</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>File contains: .shp, .mxd, .mpk, .pdf</p> <p>Function: download</p>
<b>Unique resource identifier</b>	
<b>Code</b>	3ae3619d-ba59-4415-bc83-0eebad4e001c
<b>Presentation form</b>	Model digital
<b>Dataset language</b>	English
<b>Metadata standard</b>	
<b>Name</b>	ISO 19115
<b>Edition</b>	2016
<b>Dataset URI</b>	<a href="https://datasets.seed.nsw.gov.au/dataset/3ae3619d-ba59-4415-bc83-0eebad4e001c">https://datasets.seed.nsw.gov.au/dataset/3ae3619d-ba59-4415-bc83-0eebad4e001c</a>
<b>Purpose</b>	The aims of the study were to develop and apply multi-criteria prioritisation methodologies to rank drainage subcatchments within NSW coastal floodplains by their contribution to acid and blackwater generation and discharge, to determine the subsequent risks to the estuarine waterways, and to guide the future management of coastal floodplains. The purpose of this prioritisation is to establish an evidence-based list of high priority subcatchments to be targeted for on-ground management actions or remediation. The Hastings River Floodplain Prioritisation Study was the application of the method on the Hastings River.
<b>Status</b>	Completed
<b>Spatial representation</b>	
<b>Type</b>	vector
<b>Spatial reference system</b>	
<b>Code</b>	

## Topic category

## Keyword set

keyword value	ECOLOGY-Landscape Biophysical SOIL-Chemistry HAZARDS Water WATER-Hydrochemistry WATER-Hydrology WATER-Quality WATER-Surface MARINE MARINE-Coasts MARINE-Estuaries MARINE-Human-Impacts CLIMATE-AND-WEATHER-Climate-change CLIMATE-AND-WEATHER-Extreme-weather-events HAZARDS-Flood GEOSCIENCES-Hydrogeology HUMAN-ENVIRONMENT-Planning
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## Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

## Geographic location

West bounding longitude	152.67186
East bounding longitude	152.96756
North bounding latitude	-31.49207
South bounding latitude	-31.16085

## 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

<b>Temporal extent</b>	
Begin position	
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	Not planned
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact
<b>Lineage</b>	
<p>Harrison, A. J., Rayner, D. S., Tucker, T. A., Lumiatti, G., Rahman, P. F., Gilbert, D. &amp; Glamore, W. 2023. Hastings River Floodplain Prioritisation Study WRL TR2020/08. Water Research Laboratory, University of New South Wales. Rayner, D. S., Harrison, A. J., Tucker, T. A., Lumiatti, G., Rahman, P. F., Waddington, K., Juma, D. &amp; Glamore, W. 2023. Coastal Floodplain Prioritisation Study – Background and Methodology WRL TR2020/32. Water Research Laboratory, University of New South Wales.</p> <p>Parent data sources include: Geoscience Australia 5 m DEM derived from lidar DPIE. 2020. eSpade NSW Soil and Land Informatin [Online]. Available: <a href="https://www.environment.nsw.gov.au/eSpade2WebApp">https://www.environment.nsw.gov.au/eSpade2WebApp</a> [Accessed 2019]. Johnston, S. G., Burton, E. D., Aaso, T. &amp; Tuckerman, G. 2014. Sulfur, iron and carbon cycling following hydrological restoration of acidic freshwater wetlands. <i>Chemical Geology</i>, 371, 9-26. Claff, S. R., Sullivan, L. A., Burton, E. D. &amp; Bush, R. T. 2010. A sequential extraction procedure for acid sulfate soils: Partitioning of iron. <i>Geoderma</i>, 155, 224-230. Hirst, P., Slavich, P., Johnston, S. &amp; Walsh, S. 2009. Assessment of hydraulic conductivity in coastal floodplain acid sulfate soils on the north coast of NSW. <i>Industry &amp; Investment NSW</i>. White, L., Melville, M. D., Wilsor, B. P., Price, C. B. &amp; Willett, L. Understanding acid sulphate soils in canelands. <i>Proceedings of the National Conference on Acid Sulphate Soils, 1993 Coolongatta, Queensland</i>. CSIRO, NSW Agriculture, Tweed Shire Council, Australia, 130-148.</p>	
<b>Limitations on public access</b>	
<b>Responsible party</b>	
Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact
<b>Metadata point of contact</b>	
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<b>Metadata date</b>	2023-10-31T05:38:20.444743
<b>Metadata language</b>	