

Title	Hastings River Floodplain Prioritisation Study
Abstract	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.
Resource locator	
Hastings River Floodplain Prioritisation Study Data Quality Statement	<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>
Hastings River Floodplain Prioritisation Study	<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>
Unique resource identifier	
Code	3ae3619d-ba59-4415-bc83-0eebad4e001c
Presentation form	Model digital
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/3ae3619d-ba59-4415-bc83-0eebad4e001c
Purpose	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.
Status	Completed
Spatial representation	
Type	vector
Spatial reference system	
Code	

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

Temporal extent	
Begin position	
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Not planned
Contact info	
Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact
Lineage	
<p>Harrison, A. J., Rayner, D. S., Tucker, T. A., Lumiatti, G., Rahman, P. F., Gilbert, D. & 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. & 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: https://www.environment.nsw.gov.au/eSpade2WebApp [Accessed 2019]. Johnston, S. G., Burton, E. D., Aaso, T. & 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. & 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. & Walsh, S. 2009. Assessment of hydraulic conductivity in coastal floodplain acid sulfate soils on the north coast of NSW. <i>Industry & Investment NSW</i>. White, L., Melville, M. D., Wilsor, B. P., Price, C. B. & 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>	
Limitations on public access	
Responsible party	
Contact position	Data Broker
Organisation name	Department of Primary Industries and Regional Development (DPIRD)
Responsible party role	pointOfContact
Metadata point of contact	
Contact position	Data Broker
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Responsible party role	pointOfContact
Metadata date	2023-10-31T05:38:20.444743
Metadata language	