Title	Gosford Coastal Lagoons Flood Studies Comparison of Opening Procedure Avoca and Cockrone Lagoons
Abstract	Storage Volumes: The modelling showed that the approach developed for Terrigal and Wamberal Lagoons could be satisfactorily applied to Avoca Lagoon for the opening of 14 September 1993. In discussions with Paterson Consultants it became apparent that the storage volume of the Lagoon was critical for establishing the peak outflow from the Lagoon. A considerable effort was undertaken in this regard which revealed that a table of height/area of Avoca Lagoon was in error at a level of I.0 m. In addition it was determined that the Mike-II and RUBICON models determine different storage capacities of the lagoon. There was insufficient time to completely resolve this issue, however preliminary work suggested that the Mike- 11 model was over-calculating storage. The differences in storage make no significant difference to the peak flood level. Comparison of Results: For Wamberal, Avoca and Cockrone Lagoons the peak flood levels from both approaches should be very similar. This is because the berm height is the major control and the peak flood level is only just (0.3m) above the berm level. For Terrigal Lagoon the differences in the two approaches are likely to be more significant as the beach berm is much lower (2.5m AHD) and the peak flood level approximately 0.5m higher than the berm. Additional Work: It is recommended that data be collected for future openings. If the data are suitable they should be used in further verification of the hydraulic models.

Resource locator

[Gosford Coastal Lagoon - Flood Studies Comparison of Opening Procedure Avoca & Cockrone Lagoons](#)	Name: Gosford Coastal Lagoon - Flood Studies Comparison of Opening Procedure Avoca & Cockrone Lagoons Protocol: WWW:DOWNLOAD-1.0-http--download Function: download

Unique resource identifier

Code	02d03bff-cf6d-4fe8-a9f3-531e090e6adf

Presentation form	

Edition	27/06/2017

Dataset language	English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/02d03bff-cf6d-4fe8-a9f3-531e090e6adf

Purpose	Land and Resource Management

Status	On going

Spatial representation

Type	vector

Spatial reference system

Code	

identifying the spatial reference system	4283	

Topic category

Keyword set

keyword value		
Originating controlled vocabulary		
Title	ANZLIC Search Words	
Reference date	2008-05-16	

Geographic location

West bounding longitude	151.416321
East bounding longitude	151.44001
North bounding latitude	-33.497888
South bounding latitude	-33.448917
NSW Place Name	Gosford

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	As needed
Contact info	
Contact position	Data Broker
Organisation name	Central Coast Council
Telephone number	1300 463 954
Email address	ask@centralcoast.nsw.gov.au
Web address	https://www.centralcoast.nsw.gov.au/
Responsible party role	pointOfContact

Limitations on public access	

Responsible party

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Metadata date
2024-03-25T09:56:30.538069

Metadata language