Title	Floodplain Management Study Spring Street Drain, Muddy Creek and Scarborough Ponds - Volume 1

Abstract

Objective

This Floodplain Management Study defines the nature and extent of the flood hazard in the three catchments. It also identifies and assesses strategies and measures aimed at reducing the impact of flooding on both existing and future development, and measures to prevent future development from making flooding worse.

The results of this Floodplain Management Study are being used to prepare a Floodplain Management Plan (FPMP). The objective of the FPMP is to establish a cost-effective floodplain management strategy for the area and to recommend a programme for implementation of the Plan.

The Study Brief is attached as Appendix A.

What is in the Study

The Floodplain Management Study and Plan will not totally eliminate flooding. Flooding is a natural phenomenon which cannot be fully controlled by human works. In fact, excessive artificial controls are likely to be very costly and to have adverse environmental effects. Therefore the Floodplain Management Study and Plan aim to provide a package of best management practices which give a balance between reducing flood hazard and flood damages, allowing appropriate development, and protecting and enhancing the environment of the floodplain.

This Report has been divided into the following sections:

- **Section 1**: Introduction (page 1) Establishes the context and basis for the plan.
- **Section 2**: Background (page 5) Describes the study process, including previous studies, and the background technical information which is available. It includes a review of the previous Muddy Creek Flood Studies.
- **Section 3**: Existing Flood Behaviour (page 15) Summarises the available data and modelling results concerning flood behaviour.
- **Section 4**: Social and Economic Impacts of Flooding (page 23) Examines the potential flood damages and other social and economic effects of flooding for a range of flood events, including an extreme flood.
- **Section 5**: Choosing the Designated Flood (page 28) Discusses the issued to be considered by Council in choosing a designated flood for Rockdale, and recommends that the 1% AEP flood be adopted.
- **Section 6**: Available Floodplain Management Options (page 35) Describes in broad terms the range of flood mitigation and other management works and other measures available to address the existing, future and residual flooding problems in the study area.
- **Sections 7, 8 and 9**: Options for Management Areas (page 48) These three sections describe in detail, for the Muddy Creek, Spring St Drain and Scarborough Ponds catchments respectively, the feasible options and their likely benefits and costs.
- **Section 10**: Assessment of Management Options (page 86) Reviews the financial aspects and the justification for the proposed management measures, identifies priorities and possible sources of funding. These issues will be further addressed in the future Floodplain Management Plan.
- **Section 11**: References (page 90) Technical detail which supports the main report is provided in the Appendices, in Volume 2.

Resource locator

Spring Street Drain, Muddy Creek & Scarborough Ponds - Floodplain Management Study Vol 1	Name: Spring Street Drain, Muddy Creek & Scarborough Ponds - Floodplain Management Study Vol 1 January 2000 Protocol: WWW:DOWNLOAD-1.0-http--download Function: download

January 2000

Unique resource identifier

Code	90f8b8bd-456d-4496-a842-80abd2456dcc

Presentation form

Edition

26/07/2017

Dataset language

English

Metadata standard

Name	ISO 19115
Edition	2016

Dataset URI

https://datasets.seed.nsw.gov.au/dataset/90f8b8bd-456d-4496-a842-80abd2456dcc

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	151.109486
East bounding longitude	151.168897
North bounding latitude	-33.978498
South bounding latitude	-33.937642
NSW Place Name	Rockdale
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	Bayside Council
Full postal address	council@bayside.nsw.gov.au
Email address	council@bayside.nsw.gov.au
Responsible party role	pointOfContact
Limitations on public access	

Responsible party

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