### Title

Georges River Flood Data April 28th - May 1st, 1988

## **Abstract**

This report details the flood gauging operation undertaken on 30th April, 1988 and presents the data collected for the Georges River catchment, Sydney.

The Georges River catchment area is approximately 960 square kilometres and is shown in Figure 1.1. The main arm of the river begins its course near the Cataract Dam, and exits into Botany Bay. The main channel is joined throughout its course by minor streams and creeks. The Woronora River catchment also drains into the Georges River.

The catchment area comprises a large part of the south western urban area of the city of Sydney, and the floods that have occurred in the catchment have at times caused significant damage to property.

To rationalise future development of the area in the face of potential flood threats, various numerical and physical models have been developed by both the University of N.S.W. Water Research Laboratory, and the Public Works Department's Manly Hydraulics Laboratory. The success of the models in predicting the flooding characteristics of various flood events depend upon collecting specific flood data over a series of floods for model calibration and verification. To this end, all known information regarding previous floods has been documented (Ref. 1 and 4), but there is a need for more comprehensive flood data, especially for major floods.

Manly Hydraulics Laboratory (M.H.L.) was requested by the Department's Coast and Rivers (C&R) Branch to co-ordinate and undertake flood monitoring at various sites over the area which is being modelled. These monitoring sites appear in Figure 1.2. Previous reports (Ref. 1 and 4) detail the results of gauging of earlier floods undertaken in 1978, 1983 and 1986.

Flood gauging on the 30th April, 1988 was carried out by personnel from the Department's M.H.L. and C&R.

The general extent of the flooding 12 hours after the peak can be seen in Plates 1 4.

The current metering lines, flood gauge locations and automatic recorder locations from which data was collected are as follows: i) Current metering/gauge observations at:

- 1. East Hills Footbridge
- 2. Mountbatten Bridge
- 3. Lansdowne Bridge
- ii) Automatic recorders located at:
  - 1. Milperra Bridge
  - 2. Cutler Road, Lansvale
  - 3. Scrivener Street, Warwick Farm (\* This recorder malfunctioned during the flood event.)
  - 4. Liverpool Weir
  - 5. Prospect Creek, Lansdowne

#### Resource locator

Georges River Flood Data April 28th - Name: Georges River Flood Data April 28th - May 1st, 1988

Protocol: WWW:DOWNLOAD-1.0-http--download

May 1st, 1988 Function: download

#### Unique resource identifier

Code 77a96ead-de69-491c-ab43-e7eb28d8036c

# Presentation

form

Edition 21/12/2021

Dataset language

English

Metadata standard		
Name	ISO 19115	
Edition	2016	
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/77a96ead-de69-491c-ab43-e7eb28d8036c	
Purpose	Land and Resource Management	
Status	On going	
Spatial representation		
Туре	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	150.774994		
East bounding longitude	151.225433		
North bounding latitude	-34.250065		
South bounding latitude	-33.799349		
NSW Place Name	Georges River Catchment		
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	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		
Limitations on public access			

Responsible party

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Metadata date 2024-03-25T07:26:36.395982

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