

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 -
May 1st, 1988](#)

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

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

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

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 | 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 language