Title	Water Modelling-Stochastic Climate Data-Greater Sydney-Silo Station (ii of xi) ID 063001-063070

Abstract	The stochastic climate data include 10,000 replicates of 130-yr daily data sets of rainfall and potential evapotranspiration generated using observed data sets without and with combined climate data. This work has been undertaken by researchers at the University of Newcastle and used in modelling for Greater Sydney Water Strategy.

This particular Asset (063001-063070) houses Silo Station IDs:

- 063009 - BLACKHEATH (LAWRENCE ST)
- 063012 - RUNNING STREAM (BROOKLYN)
- 063013 - BERAMBING
- 063028 - FAULCONBRIDGE (ST GEORGES CRESCENT)
- 063030 - OBERON (GINGKIN)
- 063033 - GURNANG STATE FOREST (OBERON (YOUNG ADULT CORRECTIONAL CENTRE))
- 063036 - OBERON (JENOLAN CAVES)
- 063039 - KATOOMBA (MURRI ST)
- 063043 - KURRAJONG HEIGHTS (BELLS LINE OF ROAD)
- 063044 - LAWSON (WILSON STREET)
- 063049 - LOWTHER PARK
- 063062 - LITHGOW (NEWNES FOREST CENTRE)

Note: If you would like to ask a question, make any suggestions, or tell us how you are using this dataset, please visit the NSW Water Hub which has an online forum you can join.

Resource locator

Data Quality Statement	Name: Data Quality Statement
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Data quality statement
	Function: download
063009_BLACKHEATH (LAWRENCE ST)_Rain	Name: 063009_BLACKHEATH (LAWRENCE ST)_Rain
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Stochastic Rain data for 3250 replicates for 063009 (BLACKHEATH (LAWRENCE ST)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063012_RUNNING STREAM (BROOKLYN)_Rain	Name: 063012_RUNNING STREAM (BROOKLYN)_Rain
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Stochastic Rain data for 3250 replicates for 063012 (RUNNING STREAM (BROOKLYN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063013_BERAMBING_Rain	Name: 063013_BERAMBING_Rain
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Stochastic Rain data for 3250 replicates for 063013 (BERAMBING); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download

063028_FAULCONBRIDGE (ST GEORGES CRESCENT)_Mwet

Name: 063028_FAULCONBRIDGE (ST GEORGES CRESCENT)_Mwet

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

Description:

Stochastic Mwet data for 3250 replicates for 063028 (FAULCONBRIDGE (ST GEORGES CRESCENT)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063028_FAULCONBRIDGE (ST GEORGES CRESCENT)_Rain

Name: 063028_FAULCONBRIDGE (ST GEORGES CRESCENT)_Rain

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

Description:

Stochastic Rain data for 3250 replicates for 063028 (FAULCONBRIDGE (ST GEORGES CRESCENT)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063030_OBERON (GINGKIN)_Rain

Name: 063030_OBERON (GINGKIN)_Rain

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

Description:

Stochastic Rain data for 3250 replicates for 063030 (OBERON (GINGKIN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063033_GURNANG STATE FOREST (OBERON (YOUNG ADULT CORRECTIONAL CENTRE))_Mwet

Name: 063033_GURNANG STATE FOREST (OBERON (YOUNG ADULT CORRECTIONAL CENTRE))_Mwet

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

Description:

Stochastic Mwet data for 3250 replicates for 063033 GURNANG STATE FOREST (OBERON (YOUNG ADULT CORRECTIONAL CENTRE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063033_GURNANG STATE FOREST (OBERON (YOUNG ADULT CORRECTIONAL CENTRE))_Rain

Name: 063033_GURNANG STATE FOREST (OBERON (YOUNG ADULT CORRECTIONAL CENTRE))_Rain

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

Description:

Stochastic Rain data for 3250 replicates for 063033 (GURNANG STATE FOREST (OBERON (YOUNG ADULT CORRECTIONAL CENTRE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063036_OBERON (JENOLAN CAVES)_FAO56

Name: 063036_OBERON (JENOLAN CAVES)_FAO56

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

Description:

Stochastic FAO56 data for 3250 replicates for 063036 (OBERON (JENOLAN CAVES)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063036_OBERON (JENOLAN CAVES)_Mlake

Name: 063036_OBERON (JENOLAN CAVES)_Mlake

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

Description:

Stochastic Mlake data for 3250 replicates for 063036 (OBERON (JENOLAN

CAVES)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063036_OBERON (JENOLAN CAVES)_Rain

Name: 063036_OBERON (JENOLAN CAVES)_Rain

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

Description:

Stochastic Rain data for 3250 replicates for 063036 (OBERON (JENOLAN CAVES)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063036_OBERON (JENOLAN CAVES)_Mwet

Name: 063036_OBERON (JENOLAN CAVES)_Mwet

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

Description:

Stochastic Mwet data for 3250 replicates for 063036 (OBERON (JENOLAN CAVES)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063039_KATOOMBA (MURRI ST)_Rain

Name: 063039_KATOOMBA (MURRI ST)_Rain

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

Description:

Stochastic Rain data for 3250 replicates for 063039 (KATOOMBA (MURRI ST)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063039_KATOOMBA (MURRI ST)_Mwet

Name: 063039_KATOOMBA (MURRI ST)_Mwet

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

Description:

Stochastic Mwet data for 3250 replicates for 063039 (KATOOMBA (MURRI ST)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063043_KURRAJONG HEIGHTS (BELLS LINE OF ROAD)_Rain

Name: 063043_KURRAJONG HEIGHTS (BELLS LINE OF ROAD)_Rain

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

Description:

Stochastic Rain data for 3250 replicates for 063043 (KURRAJONG HEIGHTS (BELLS LINE OF ROAD)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063043_KURRAJONG HEIGHTS (BELLS LINE OF ROAD)_Mwet

Name: 063043_KURRAJONG HEIGHTS (BELLS LINE OF ROAD)_Mwet

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

Description:

Stochastic Mwet data for 3250 replicates for 063043 (KURRAJONG HEIGHTS (BELLS LINE OF ROAD)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

063044_LAWSON (WILSON STREET)_Rain

Name: 063044_LAWSON (WILSON STREET)_Rain

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

	Description:
	Stochastic Rain data for 3250 replicates for 063044 (LAWSON (WILSON STREET)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063049_LOWTHER PARK_Rain	Name: 063049_LOWTHER PARK_Rain
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Stochastic Rain data for 3250 replicates for 063049 (LOWTHER PARK); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063062_LITHGOW (NEWNES FOREST CENTRE)_Rain	Name: 063062_LITHGOW (NEWNES FOREST CENTRE)_Rain
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Stochastic Rain data for 3250 replicates for 063062 (LITHGOW (NEWNES FOREST CENTRE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063062_LITHGOW (NEWNES FOREST CENTRE)_Mwet	Name: 063062_LITHGOW (NEWNES FOREST CENTRE)_Mwet
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	Stochastic Mwet data for 3250 replicates for 063062 (LITHGOW (NEWNES FOREST CENTRE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
Map View for data download	Name: Map View for data download
	Protocol: WWW:DOWNLOAD-1.0-http--download
	Description:
	All the stations in Greater Sydney area are shown in this State level map (ESRI Rest Map Service Format), and the data can be downloaded by clicking each station.
	Function: download

Unique resource identifier	
Code	54b80537-3206-45b6-9e3c-462d543b9f04

Presentation form	Table digital

Edition	1.0

Dataset language	English

Metadata standard	
Name	ISO 19115
Edition	2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/54b80537-3206-45b6-9e3c-462d543b9f04

Climate data is a fundamental input dataset required for water modelling.

Purpose	The stochastic climate data is 10,000 years of daily data representing the variability of the long-term climate at a location generated. The primary purpose of the stochastic climate data is to be used as input data for water modelling to analysis water related outcomes of river basins under long-term climate and inform the development of water policies, planning and strategies for water management. Climate data is a fundamental input dataset required for water modelling. Rainfall and potential evapotranspiration are the two main types of climate required for the types of water models used for water planning. Temperature data is used in some of the water models (in particular for snowmelt modelling, water demand modelling). Climate data in daily temporal resolution is used as input data to water models of varying types, purposes, and complexity. The water models transform this input data to produce a range of water related modelled data. Stochastic climate data has been generated based on observed climate dataset combined with paleo-climatic information. The observed data is downloaded from the SILO data-base of Australian climate data (https://www.longpaddock.qld.gov.au/silo/), which has climate data from 1889-present based on instrumental records at thousands of climate stations. The stochastic data are 10,000-year daily data sets of each climate data at different climate stations.
Status	On going
Spatial representation type	textTable
Spatial reference system	
Code identifying the spatial reference system	4283
Spatial resolution	1 km
Additional information source	Raw data series commenced 01/01/0000 to 31/12/9999
Topic category	

Keyword set

keyword value	WATER

Originating controlled vocabulary

Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	150.2
East bounding longitude	151.5
North bounding latitude	-34.23
South bounding latitude	-33.35
NSW Place Name	Greater Sydney

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	0001-01-01
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

Lineage

The stochastic data are 10,000-year daily data sets at different climate stations, which were generated using observed or derived data sets combined with palaeo-logical climate data information. This work was undertaken by researchers at University of Adelaide and University of Newcastle and used in Regional Water Strategies. The stochastic data were generated region by region with spatial and temporal consistency of the data between regions maintained. Stochastic datasets were generated using the observed climate data and paleo-climatic information. The observed and derived data is downloaded from the SILO data-base of Australian climate data (https://www.longpaddock.qld.gov.au/silo/), which has climate data from 1889-present.

Limitations on public access

Responsible party

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

Metadata point of contact

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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

Metadata date

2024-08-20T21:02:44.892655

Metadata language