Title	Water Modelling-Palaeo Stochastic Climate Data-Greater Sydney-Silo Station (x of xi) ID 070001-070100
Abstract	The palaeo 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 palaeo 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 (070001-070100) houses Silo Station IDs: • 070002 - BANNABY (HILLASMOUNT) • 070012 - BUNGONIA (INVERARY PARK) • 070016 - CAPTAINS FLAT (FOXLOW ST) • 070036 - LAKE BATHURST (SOMERTON) • 070040 - GOULBURN (CHERRYTON) • 070057 - BRAIDWOOD (KRAWARREE) • 070060 - LOWER BORO (CALDERWOOD) • 070061 - MAJORS CREEK (THE OLD SCHOOL) • 070063 - MARULAN (GEORGE ST) • 070071 - GOULBURN (POMEROY) • 070077 - GOULBURN (SPRINGFIELD) • 070080 - TARALGA POST OFFICE --- 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
070002_BANNABY (HILLASMOUNT)_FAO56	Name: 070002_BANNABY (HILLASMOUNT)_FAO56 Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic FAO56 data for 3250 replicates for 070002 (BANNABY (HILLASMOUNT)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070002_BANNABY (HILLASMOUNT)_Mlake	Name: 070002_BANNABY (HILLASMOUNT)_Mlake Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Mlake data for 3250 replicates for 070002 (BANNABY (HILLASMOUNT)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070002_BANNABY (HILLASMOUNT)_Mwet	Name: 070002_BANNABY (HILLASMOUNT)_Mwet Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Mwet data for 3250 replicates for 070002 (BANNABY (HILLASMOUNT)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
	Name: 070002_BANNABY (HILLASMOUNT)_Rain

070002_BANNABY (HILLASMOUNT)_Rain	Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Rain data for 3250 replicates for 070002 (BANNABY (HILLASMOUNT)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070012_BUNGONIA (INVERARY PARK)_Rain	Name: 070012_BUNGONIA (INVERARY PARK)_Rain Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Rain data for 3250 replicates for 070012 (BUNGONIA (INVERARY PARK)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070012_BUNGONIA (INVERARY PARK)_Mwet	Name: 070012_BUNGONIA (INVERARY PARK)_Mwet Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Mwet data for 3250 replicates for 070012 (BUNGONIA (INVERARY PARK)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070016_CAPTAINS FLAT (FOXLOW ST)_Rain	Name: 070016_CAPTAINS FLAT (FOXLOW ST)_Rain Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Rain data for 3250 replicates for 070016 (CAPTAINS FLAT (FOXLOW ST)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070036_LAKE BATHURST (SOMERTON)_Rain	Name: 070036_LAKE BATHURST (SOMERTON)_Rain Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Rain data for 3250 replicates for 070036 (LAKE BATHURST (SOMERTON)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070036_LAKE BATHURST (SOMERTON)_Mwet	Name: 070036_LAKE BATHURST (SOMERTON)_Mwet Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Mwet data for 3250 replicates for 070036 (LAKE BATHURST (SOMERTON)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070040_GOULBURN (CHERRYTON)_Rain	Name: 070040_GOULBURN (CHERRYTON)_Rain Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Rain data for 3250 replicates for 070040 (GOULBURN (CHERRYTON)); each with 130 year daily timeseries; including metadata and

quality assurance pdfs.

Function: download

070057_BRAIDWOOD (KRAWARREE)_Mwet

Name: 070057_BRAIDWOOD (KRAWARREE)_Mwet

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

Description:

Paleo-Stochastic Mwet data for 3250 replicates for 070057 (BRAIDWOOD (KRAWARREE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

070057_BRAIDWOOD (KRAWARREE)_Rain

Name: 070057_BRAIDWOOD (KRAWARREE)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070057 (BRAIDWOOD (KRAWARREE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

070060_LOWER BORO (CALDERWOOD)_Rain

Name: 070060_LOWER BORO (CALDERWOOD)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070060 (LOWER BORO (CALDERWOOD)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

070061_MAJORS CREEK (THE OLD SCHOOL)_Rain

Name: 070061_MAJORS CREEK (THE OLD SCHOOL)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070061 (MAJORS CREEK (THE OLD SCHOOL)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

070063_MARULAN (GEORGE ST)_Rain

Name: 070063_MARULAN (GEORGE ST)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070063 (MARULAN (GEORGE ST)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

070071_GOULBURN (POMEROY)_Rain

Name: 070071_GOULBURN (POMEROY)_Rain

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

Description:

Paleo-Stochastic Rain data for 3250 replicates for 070071 (GOULBURN (POMEROY)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

Function: download

070071_GOULBURN (POMEROY)_FAO56

Name: 070071_GOULBURN (POMEROY)_FAO56

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

	Description: Paleo-Stochastic FAO56 data for 3250 replicates for 070071 (GOULBURN (POMEROY)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070071_GOULBURN (POMEROY)_Rain	Name: 070071_GOULBURN (POMEROY)_Rain Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Rain data for 3250 replicates for 070071 (GOULBURN (POMEROY)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070071_GOULBURN (POMEROY)_Mwet	Name: 070071_GOULBURN (POMEROY)_Mwet Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Mwet data for 3250 replicates for 070071 (GOULBURN (POMEROY)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070077_GOULBURN (SPRINGFIELD)_Rain	Name: 070077_GOULBURN (SPRINGFIELD)_Rain Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Rain data for 3250 replicates for 070077 (GOULBURN (SPRINGFIELD)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070077_GOULBURN (SPRINGFIELD)_Mwet	Name: 070077_GOULBURN (SPRINGFIELD)_Mwet Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Mwet data for 3250 replicates for 070077 (GOULBURN (SPRINGFIELD)); each with 130 year daily timeseries; including metadata and quality assurance pdfs. Function: download
070080_TARALGA POST OFFICE_Rain	Name: 070080_TARALGA POST OFFICE_Rain Protocol: WWW:DOWNLOAD-1.0-http--download Description: Paleo-Stochastic Rain data for 3250 replicates for 070080 (TARALGA POST OFFICE); 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	ff832984-964a-454a-88a2-f1f43f745693
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/ff832984-964a-454a-88a2-f1f43f745693
Purpose	Climate data is a fundamental input dataset required for water modelling. 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

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 date

2024-08-20T21:35:29.438748

Metadata language