Title	Water Modelling-Stochastic Climate Data-Greater Sydney-Silo Station (iii of xi) ID 063071-066000
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 (063071-066000) houses Silo Station IDs:
	 063071 - PORTLAND (JAMIESON ST) 063072 - LITTLE HARTLEY (LITTLE GATES) 063077 - SPRINGWOOD (VALLEY HEIGHTS) 063092 - WENTWORTH FALLS POST OFFICE 063095 - YERRANDERIE (PRIVATE TOWN) 063118 - BILPIN (FERN GROVE) 063132 - LIDSDALE (MADDOX LANE) 063164 - LITHGOW (KYLIE PARK) 063185 - GLENBROOK BOWLING CLUB 063226 - LITHGOW (COOERWULL) 063227 - WENTWORTH FALLS COUNTRY CLUB 063246 - MOUNT WILSON (CLARINE) 063247 - GLENARA 063301 - BOWEN MOUNTAIN (GRANDVIEW LANE) 063307 - TARALGA (KIRIWIN)
	Note: If you would like to ask a question, make any suggestions, or tell us how you are using this dataset, please visit the <u>NSW Water Hub which has an online</u> forum you can join.
Resource locator	
Data Quality Statement	Name: Data Quality Statement
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Data quality statement
	Function: download
063071_PORTLAND	Name: 063071_PORTLAND (JAMIESON ST)_Rain
<u>(JAMIESON ST)_Rain</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063071 (PORTLAND (JAMIESON ST)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
<u>063072_LITTLE</u>	Name: 063072_LITTLE HARTLEY (LITTLE GATES)_FAO56
<u>HARTLEY (LITTLE</u> GATES)_FA056	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<u>GATES)_FAUJU</u>	Description:
	Stochastic FAO56 data for 3250 replicates for 063072 (LITTLE HARTLEY (LITTLE GATES)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
<u>063072_LITTLE</u> HARTLEY (LITTLE GATES) Mlake	Name: 063072_LITTLE HARTLEY (LITTLE GATES)_Mlake
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<u>erri zoj_muno</u>	Description:
	Stochastic Mlake data for 3250 replicates for 063072 (LITTLE HARTLEY (LITTLE GATES)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.

	Function: download
<u>063072_LITTLE</u> <u>HARTLEY (LITTLE</u> GATES) Mwet	Name: 063072_LITTLE HARTLEY (LITTLE GATES)_Mwet
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Mwet data for 3250 replicates for 063072 (LITTLE HARTLEY (LITTLE GATES)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
<u>063072_LITTLE</u>	Name: 063072_LITTLE HARTLEY (LITTLE GATES)_Rain
<u>HARTLEY (LITTLE</u> GATES) Rain	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063072 (LITTLE HARTLEY (LITTLE GATES)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063077_SPRINGWOOD	Name: 063077_SPRINGWOOD (VALLEY HEIGHTS)_FAO56
<u>(VALLEY</u> HEIGHTS) FA056	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<i></i>	Description:
	Stochastic FAO56 data for 3250 replicates for 063077 (SPRINGWOOD (VALLEY HEIGHTS)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063077_SPRINGWOOD	Name: 063077_SPRINGWOOD (VALLEY HEIGHTS)_Mlake
<u>(VALLEY</u> HEIGHTS)_Mlake	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Mlake data for 3250 replicates for 063077 (SPRINGWOOD (VALLEY HEIGHTS)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063077_SPRINGWOOD	Name: 063077_SPRINGWOOD (VALLEY HEIGHTS)_Rain
<u>(VALLEY</u> HEIGHTS) Rain	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063077 (SPRINGWOOD (VALLEY HEIGHTS)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063077_SPRINGWOOD	Name: 063077_SPRINGWOOD (VALLEY HEIGHTS)_Mwet
<u>(VALLEY</u> <u>HEIGHTS)_Mwet</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Mwet data for 3250 replicates for 063077 (SPRINGWOOD (VALLEY HEIGHTS)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063092_WENTWORTH	Name: 063092_WENTWORTH FALLS POST OFFICE_Rain
<u>FALLS POST</u> <u>OFFICE_Rain</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063092 (WENTWORTH FALLS POST

	OFFICE); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063093 WOMBEYAN	Name: 063093_WOMBEYAN CAVES_Mlake
CAVES_Mlake	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Mlake data for 3250 replicates for 063093 (WOMBEYAN CAVES); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063093_WOMBEYAN	Name: 063093_WOMBEYAN CAVES_Rain
CAVES_Rain	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063093 (WOMBEYAN CAVES); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063093_WOMBEYAN	Name: 063093_WOMBEYAN CAVES_Mwet
CAVES_Mwet	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Mwet data for 3250 replicates for 063093 (WOMBEYAN CAVES); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063095_YERRANDERIE	Name: 063095_YERRANDERIE (PRIVATE TOWN)_FAO56
<u>(PRIVATE</u> TOWN) FAO56	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<u>·····/=</u> ····	Description:
	Stochastic FAO56 data for 3250 replicates for 063095 (YERRANDERIE (PRIVATE TOWN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063095_YERRANDERIE	Name: 063095_YERRANDERIE (PRIVATE TOWN)_Mlake
<u>(PRIVATE</u> TOWN) Mlake	Protocol: WWW:DOWNLOAD-1.0-httpdownload
<u></u>	Description:
	Stochastic Mlake data for 3250 replicates for 063095 (YERRANDERIE (PRIVATE TOWN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063095_YERRANDERIE	Name: 063095_YERRANDERIE (PRIVATE TOWN)_Rain
<u>(PRIVATE TOWN)_Rain</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063095 (YERRANDERIE (PRIVATE TOWN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063095_YERRANDERIE	Name: 063095_YERRANDERIE (PRIVATE TOWN)_Mwet
<u>(PRIVATE</u> <u>TOWN)_Mwet</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:

	TOWN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
<u>063118_BILPIN (FERN</u>	Name: 063118_BILPIN (FERN GROVE)_Rain
<u>GROVE)_Rain</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063118 (BILPIN (FERN GROVE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063132_LIDSDALE	Name: 063132_LIDSDALE (MADDOX LANE)_Rain
<u>(MADDOX LANE)_Rain</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063132 (LIDSDALE (MADDOX LANE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063164_LITHGOW	Name: 063164_LITHGOW (KYLIE PARK)_Rain
<u>(KYLIE PARK)_Rain</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063164 (LITHGOW (KYLIE PARK)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063185_GLENBROOK	Name: 063185_GLENBROOK BOWLING CLUB_FAO56
BOWLING CLUB_FA056	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic FAO56 data for 3250 replicates for 063185 (GLENBROOK BOWLING CLUB); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063185_GLENBROOK	Name: 063185_GLENBROOK BOWLING CLUB_Rain
BOWLING CLUB_Rain	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063185 (GLENBROOK BOWLING CLUB); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
<u>063185_GLENBROOK</u>	Name: 063185_GLENBROOK BOWLING CLUB_Mlake
BOWLING CLUB_Mlake	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Mlake data for 3250 replicates for 063185 (GLENBROOK BOWLING CLUB); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063185_GLENBROOK BOWLING CLUB_Mwet	Name: 063185_GLENBROOK BOWLING CLUB_Mwet
	Brotacal, WWW.DOWNI OAD 1.0 http://download

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

	Description:
	Stochastic Mwet data for 3250 replicates for 063185 (GLENBROOK BOWLING CLUB); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063226_LITHGOW	Name: 063226_LITHGOW (COOERWULL)_Rain
(COOERWULL)_Rain	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063226 (LITHGOW (COOERWULL)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063226_LITHGOW	Name: 063226_LITHGOW (COOERWULL)_Mwet
(COOERWULL)_Mwet	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Mwet data for 3250 replicates for 063226 (LITHGOW (COOERWULL)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063227_WENTWORTH	Name: 063227_WENTWORTH FALLS COUNTRY CLUB_Rain
FALLS COUNTRY	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063227 (WENTWORTH FALLS COUNTRY CLUB); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063247_GLENARA_Rain	Name: 063247_GLENARA_Rain
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063247 (GLENARA); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
<u>063246_MOUNT</u>	Name: 063246_MOUNT WILSON (CLARINE)_Rain
WILSON (CLARINE) Rain	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063246 (MOUNT WILSON (CLARINE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
<u>063301_BOWEN</u> <u>MOUNTAIN</u> (GRANDVIEW LANE)_Rain	Name: 063301_BOWEN MOUNTAIN (GRANDVIEW LANE)_Rain
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063301 (BOWEN MOUNTAIN (GRANDVIEW LANE)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
063307_TARALGA	Name: 063307_TARALGA (KIRIWIN)_Rain

<u>(KIRIWIN)_Rain</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Stochastic Rain data for 3250 replicates for 063307 (TARALGA (KIRIWIN)); each with 130 year daily timeseries; including metadata and quality assurance pdfs.
	Function: download
Map View for data	Name: Map View for data download
download	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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 ider	ntifier
Code	773cba28-3400-4136-afea-2ea03bcf38e2
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/773cba28-3400-4136-afea- 2ea03bcf38e2
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 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 data at different climate stations.
Status	On going
Spatial representation type	textTable
Spatial reference sys	stem
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

Metadata date	2024-08-20T21:03:27.487939
Responsible party role	pointOfContact
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Email address	data.broker@environment.nsw.gov.au
Telephone number	131555
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Contact position	Data Broker