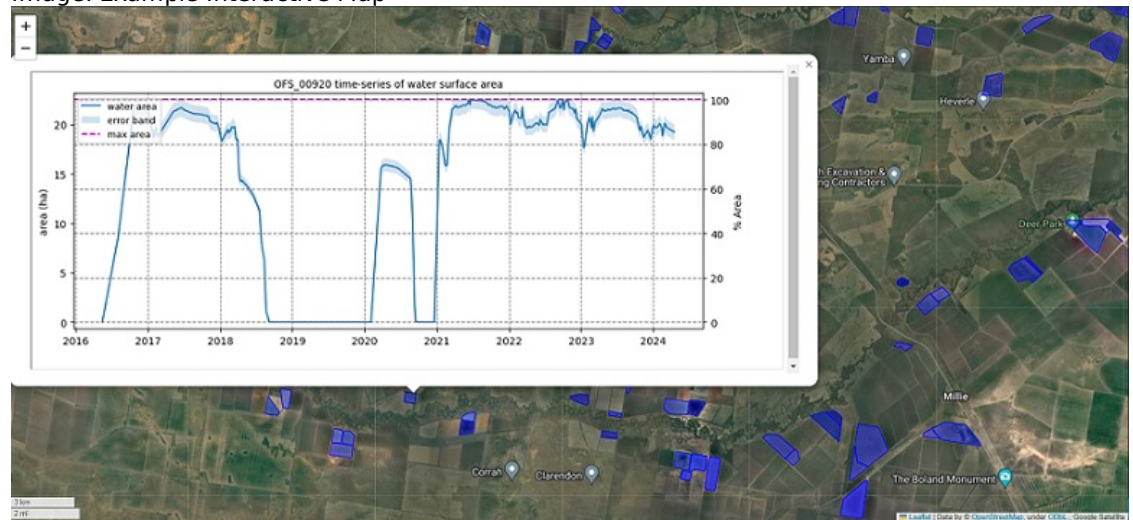


Abstract

The link points to a GitHub repository. This code repository presents an efficient Google Earth Engine (GEE)-based algorithm to mapping water surface area time-series in waterbodies from Landsat and Sentinel-2. Detailed documentation is contained to run the tool on a set of input waterbodies. The GitHub repository contains a set of Python scripts to automatically extract time-series of water surface area for a set of input polygons.

NB: Google Earth Engine project is needed to run this toolkit.

Image: Example Interactive Map



Resource locator

[Data Quality Statement](#)

Name: Data Quality Statement

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

Description:

Data quality statement for Earth Observation Water Toolkit

Function: download

[GitHub Repository link to Earth Observation Water Toolkit](#)

Name: GitHub Repository link to Earth Observation Water Toolkit

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

Description:

GitHub Repository link to Earth Observation Water Toolkit

Function: download

[Metadata Statement - Questionnaire.pdf](#)

Name: Metadata Statement - Questionnaire.pdf

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

Description:

Metadata Statement associated with the Earth Observation Water Toolkit.pdf

Function: download

Unique resource identifier

Code b168d00f-60c9-4c8c-8a7e-7f8bc7ed0f77

Presentation form

Map digital

Edition

1.0

Dataset

English

language

Metadata standard

Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/b168d00f-60c9-4c8c-8a7e-7f8bc7ed0f77
Purpose	Earth observation Data processing and analytics Scripts
Status	Completed
Spatial representation type	None
Spatial reference system	
Code identifying the spatial reference system	4283
Topic category	

Keyword set	
keyword value	WATER
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	107.490234
East bounding longitude	157.939453
North bounding latitude	-44.695993
South bounding latitude	-10.633615
NSW Place Name	Australia Wide
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	1987-01-05
End position	N/A
Dataset reference date	
Resource maintenance	
Maintenance and update frequency	Quarterly
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 point of contact

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Responsible party role	pointOfContact

Metadata date 2024-09-19T00:44:12.522625

Metadata language