



PrimeWater

H2020-SPACE-2019

Research and Innovation Action

Satellite-derived chlorophyll-a concentrations for Lake Hume (Australia) using Mixture Density Networks and Landsat 8 imagery

CHL_au_hume_NASA_XXXXXXXX_000000_LSAT8_m0030_32bit.tif

The project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 870497.



General

Description

This dataset contains satellite-derived chlorophyll-a data of Lake Hume (Australia) for the period 21 Mar. 2013 - 01 Feb. 2021. Chlorophyll-a concentrations have been calculated using Mixture Density Networks and Landsat 8 imagery.
Mixture Density Network

Parameters

Chl-a

Unit

µg/l

Coordinate reference systems

UTM / WGS88

Data type

GeoTIFF

Keywords

Remote_Sensing, Landsat 8

Public repository link

<https://zenodo.org/record/6793915>

Contact

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NASA

Dataset coverage

Spatial coverage

Lake

Spatial resolution

37.19 m

Temporal coverage

21/3/2013 - 01/2/2021

Temporal resolution

Usage

License conditions

CC-BY-4.0

Citations and Acknowledgements

Scientific Citations

0

Lineage statement

Original data source

NASA

Limitations on public access

Accessible and confidential data



PrimeWater



EMVIS S.A.



National Research Council of Italy



Swedish Meteorological and Hydrological Institute



EOMAP GmbH & Co.KG



International Water Association



Burgundy School of Business



Ente Acque della Sardegna



US Environmental Protection Agency



Commonwealth Scientific and Industrial Research Organization



Melbourne Water



SatDek

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