



# PrimeWater

**H2020-SPACE-2019**

**Research and Innovation Action**

**EO-derived HAB indicator for Lake Hume using Landsat  
8**

*HAB\_au-hume\_EOMAP\_yyyyMMdd\_hhmmss\_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

The algorithm detects areas likely affected by harmful algae blooms formed by cyanobacteria containing phycocyanin pigments by analyzing spectral trends in the green-red wavelength bands as a proxy. HAB is a qualitative parameter ranging from 0 (no HAB) to 1

### Parameters

HAB indicator

### Unit

### Coordinate reference systems

UTM / WGS84

### Data type

GeoTIFF

### Keywords

Remote\_Sensing, Landsat 8

### Public repository link

<https://zenodo.org/record/6676416>

### Contact

EOMAP

## Dataset coverage

### Spatial coverage

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### Spatial resolution

30 m

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### Temporal coverage

8 days 2015 - 2019

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### Temporal resolution

8 days

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## Usage

### License conditions

CC-BY-NC-SA-4.0

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### Citations and Acknowledgements

Landsat 8 imagery courtesy of the U.S. Geological Survey

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### Scientific Citations

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## Lineage statement

### Original data source

USGS

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## Lineage statement

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### Limitations on public access

Available and public data

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# 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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