H2020-SPACE-2019
Research and Innovation Action

Satellite-derived chlorophyll-a concentrations for Lake Harsha (USA) using Mixture Density Networks and Sentinel-2 imagery

CHL_us_harsa_NASA_XXXXXXXXXX_000003_SENT2_m0020_32bit.TIF

General

Description

This dataset contains satellite-derived chlorophyll-a data of Lake Harsha (USA) for the period 21 Mar. 2013 - 01 Feb. 2021. Chlorophyll-a concentrations have been calculated using Mixture Density Networks and Sentinel-2 imagery.
Mixture Density Networks

Parameters

Chl-a

Unit

µg/l

Coordinate reference systems

UTM / WGS88

Data type

GeoTIFF

Keywords

Remote_Sensing, Sentinel 2

Public repository link

https://zenodo.org/record/6783196

Contact

Pahlevan, Nima
NASA

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Dataset coverage

Spatial coverage

Lake

Spatial resolution

37.19 m

Temporal coverage

21/3/32013 - 01/2/2021

Temporal resolution

Usage

License conditions

CC-BY-4.0

Citations and Acknowledgements

Scientific Citations

Lineage statement

Original data source

Satellite-derived chlorophyll-a concentrations for Lake Harsha (USA)
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Lineage statement

NASA

Limitations on public access

Accessible and confidential data

Satellite-derived chlorophyll-a concentrations for Lake Harsha (USA)
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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

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European Commission