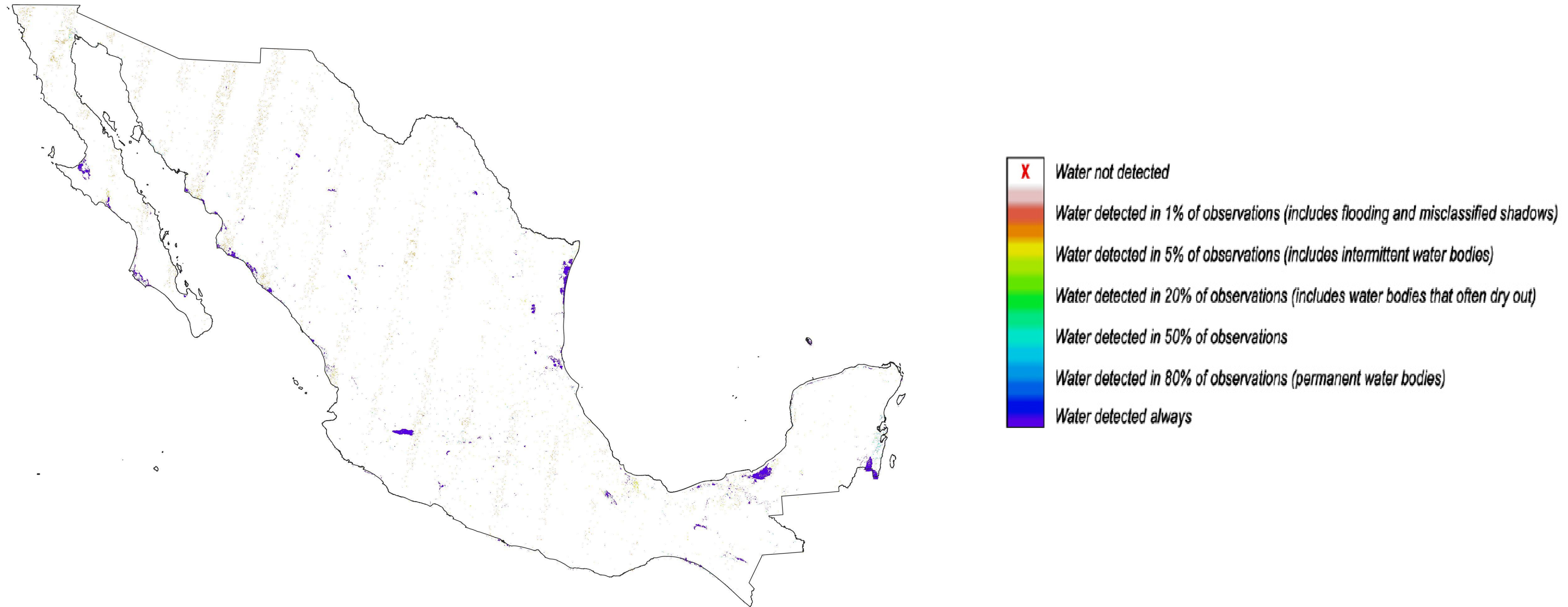




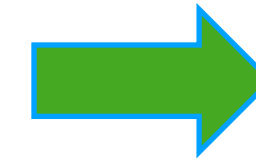
**WOfS**

**Water Observations from Space**

WOfS (Water Observation from Space) displays historical surface water derived from satellite imagery (Landsat-7 and Landsat-8) in a specific space and time extents with an algorithm executed in the Open Data Cube. WOfS aims to allow a better understanding of where water is usually present; where it is seldom observed; and where inundation of the surface has been occasionally observed by satellite and their temporal dynamics.



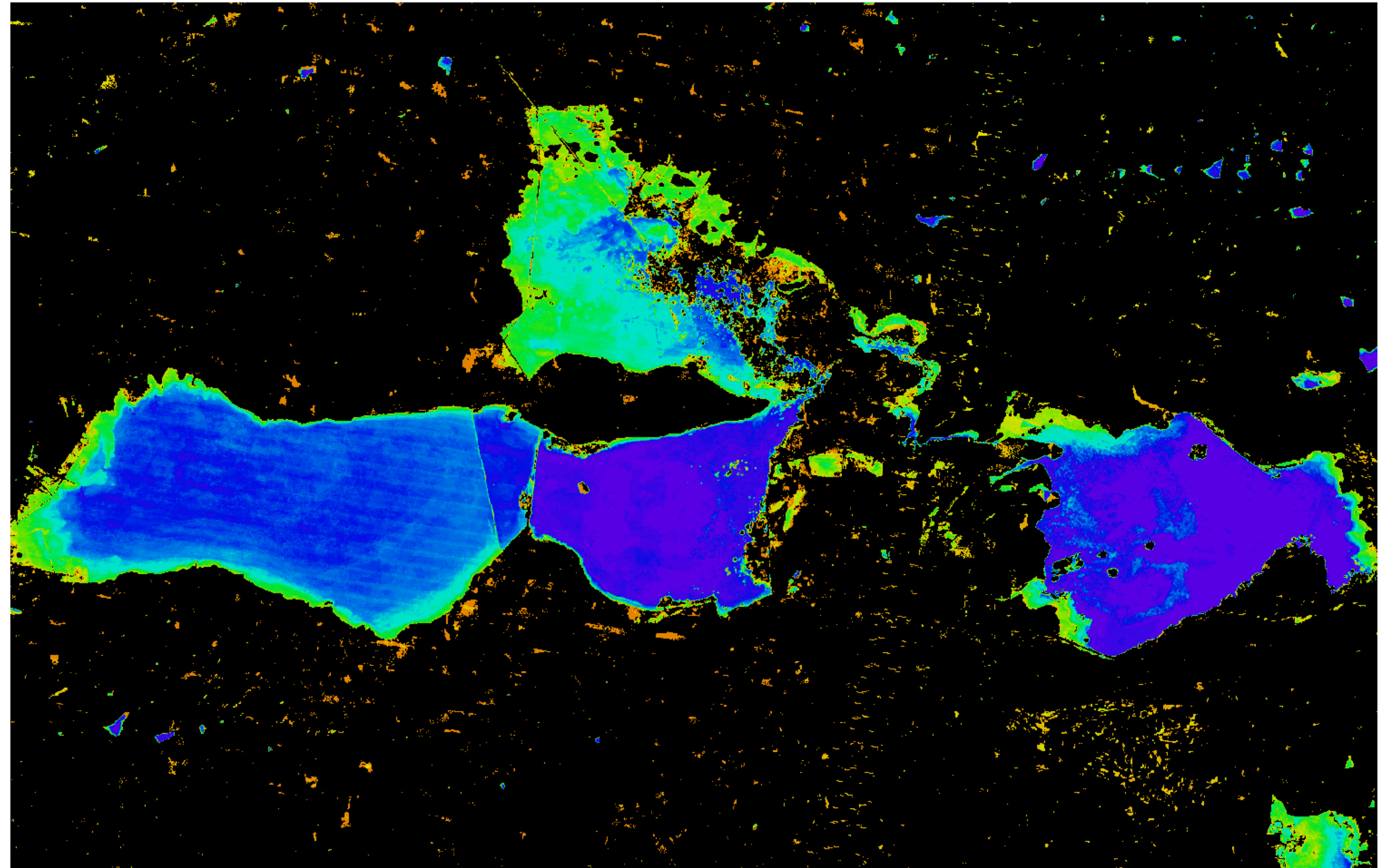
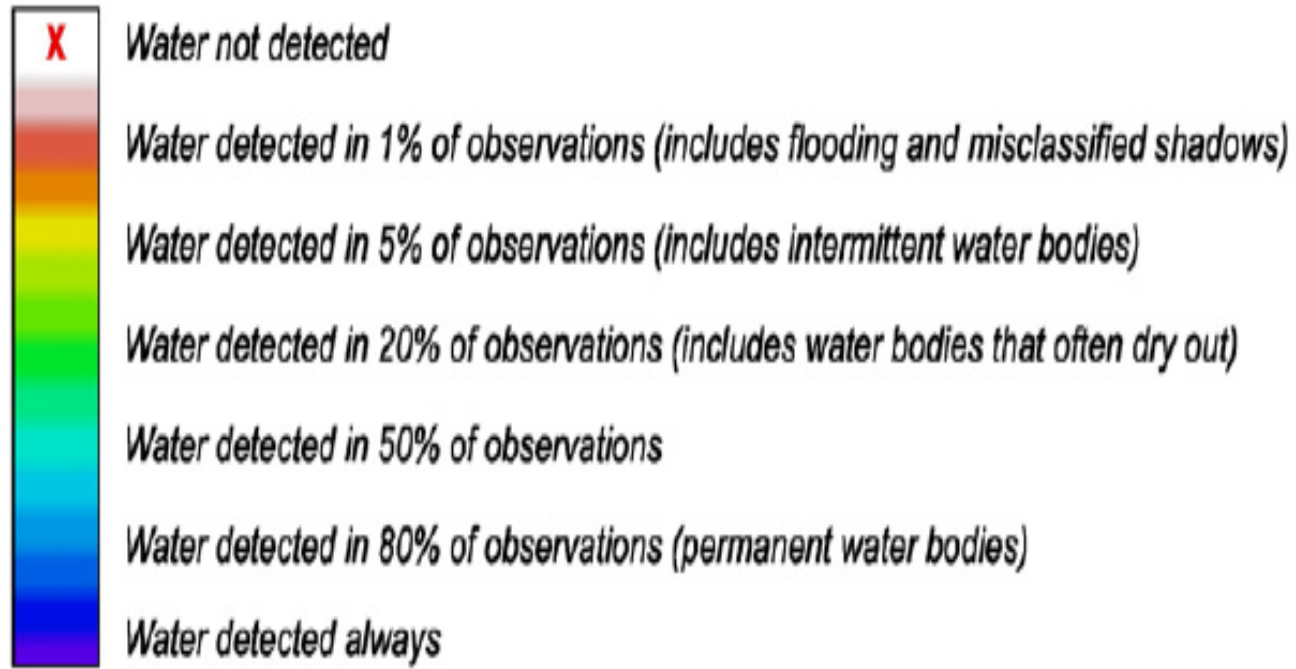
WOfS BANDS	
BAND 1	WOfS
BAND 2	WET
BAND 3	TOTAL



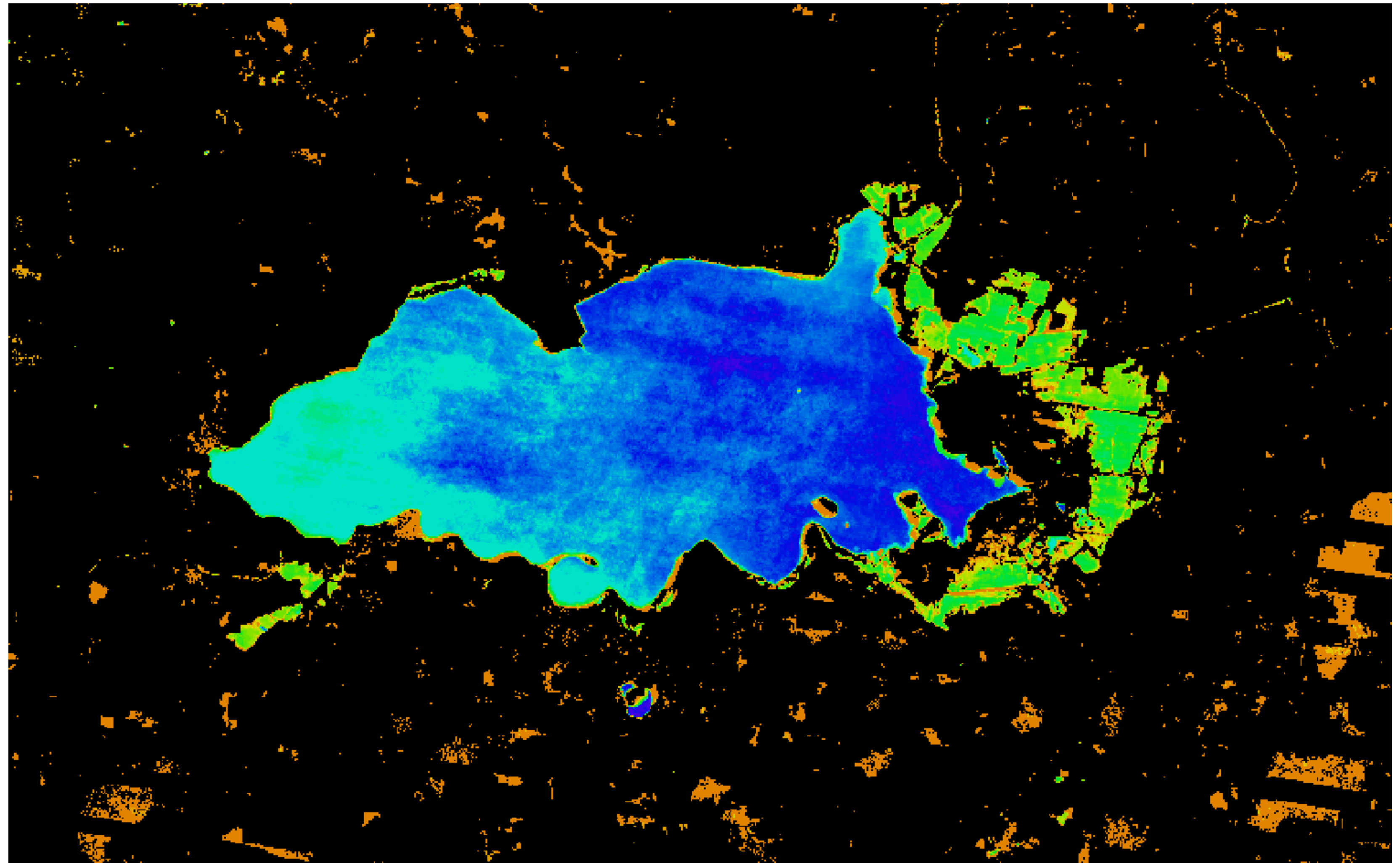
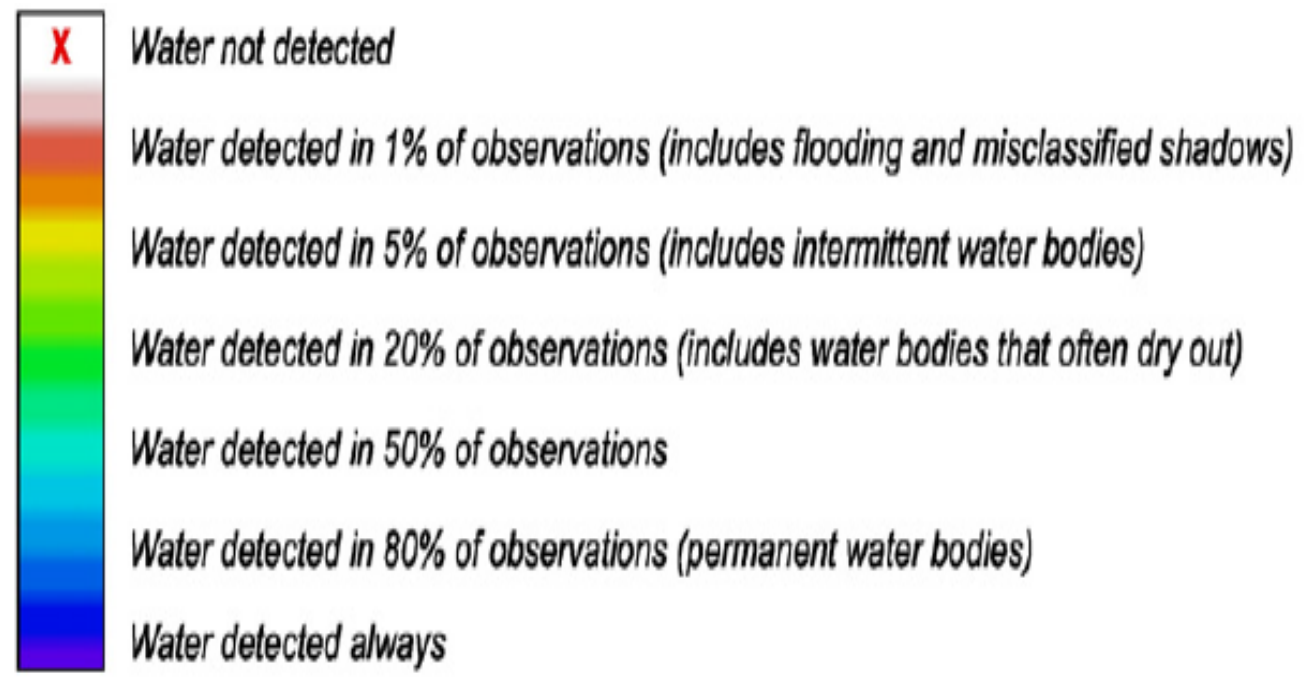
Objeto espacial	Valor
0	wofs_2015_CHAPALA
wofs_2015_CHAPALA	
Banda 1	100
Banda 2	24
Banda 3	24
(Derivado)	

$$WOfS = \left( \frac{WET}{TOTAL} \right) * 100$$

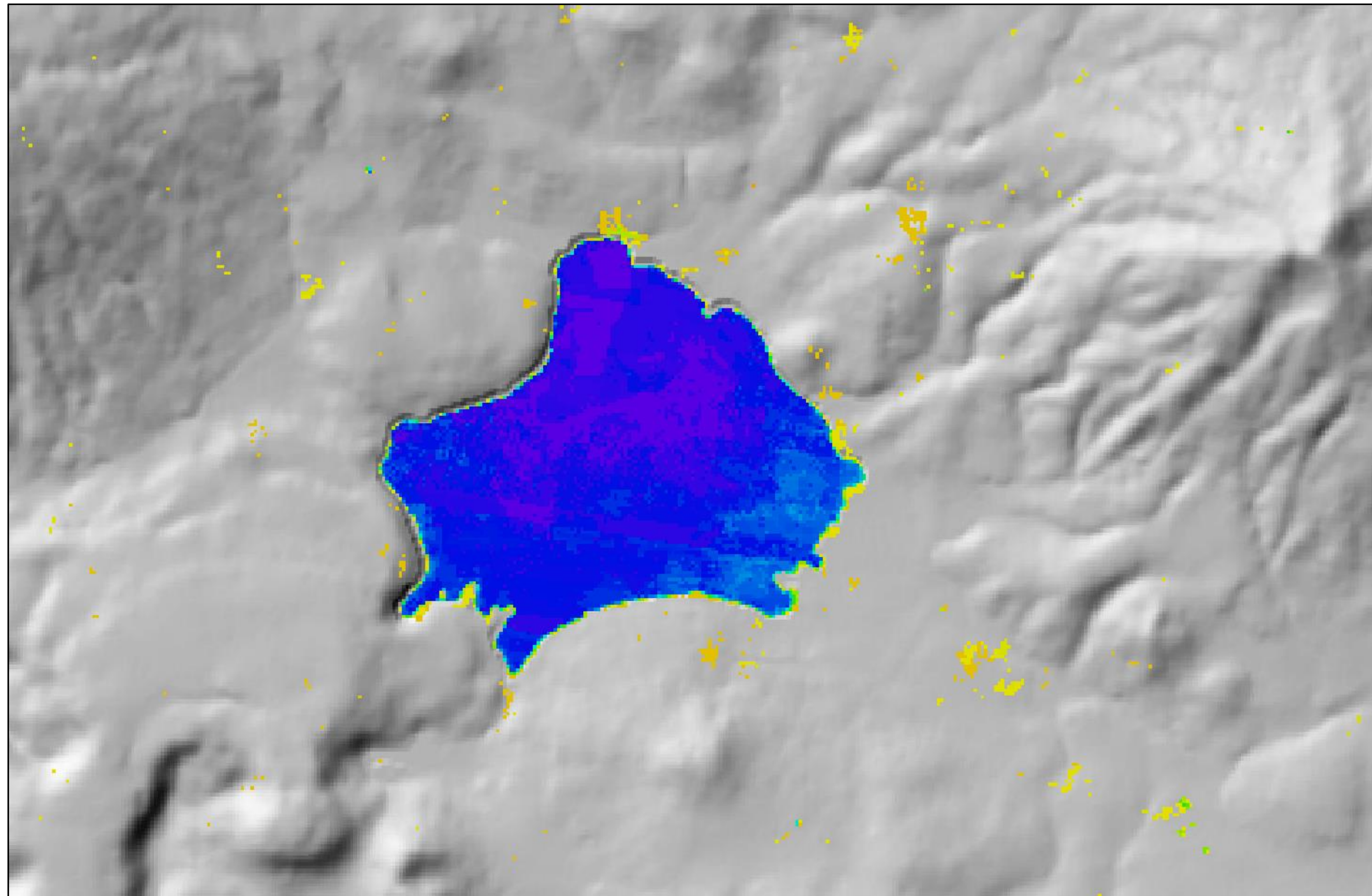
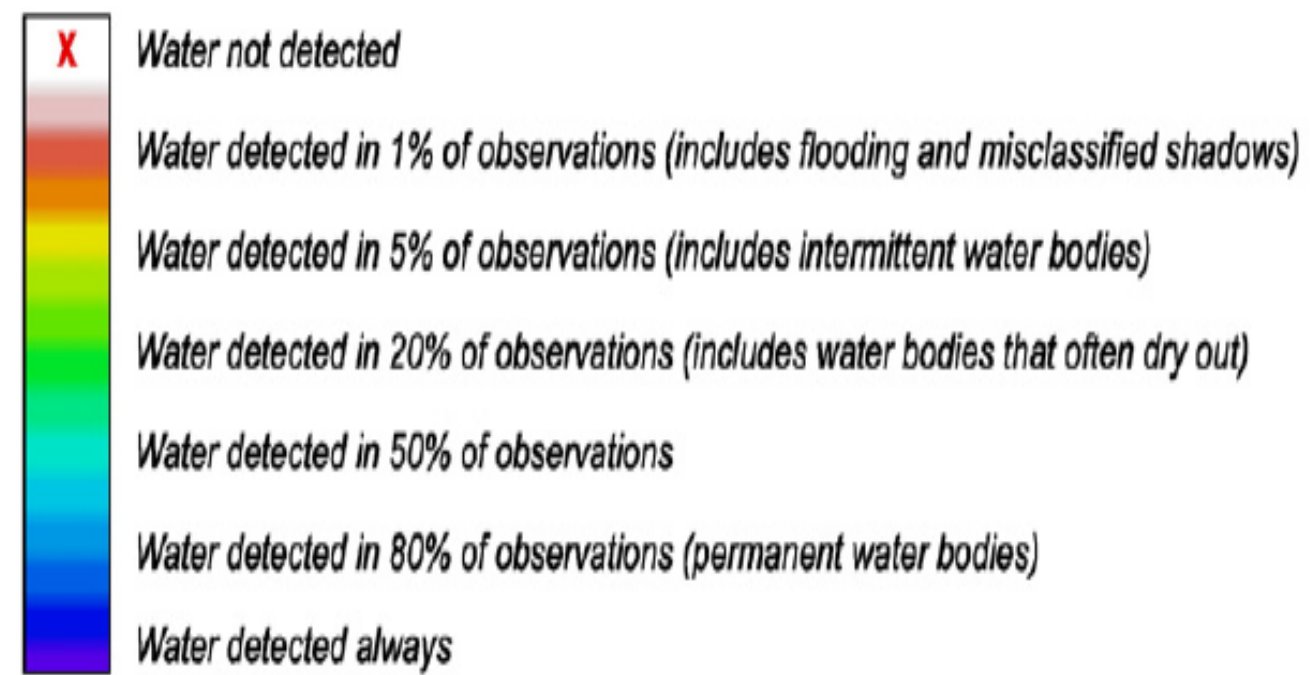




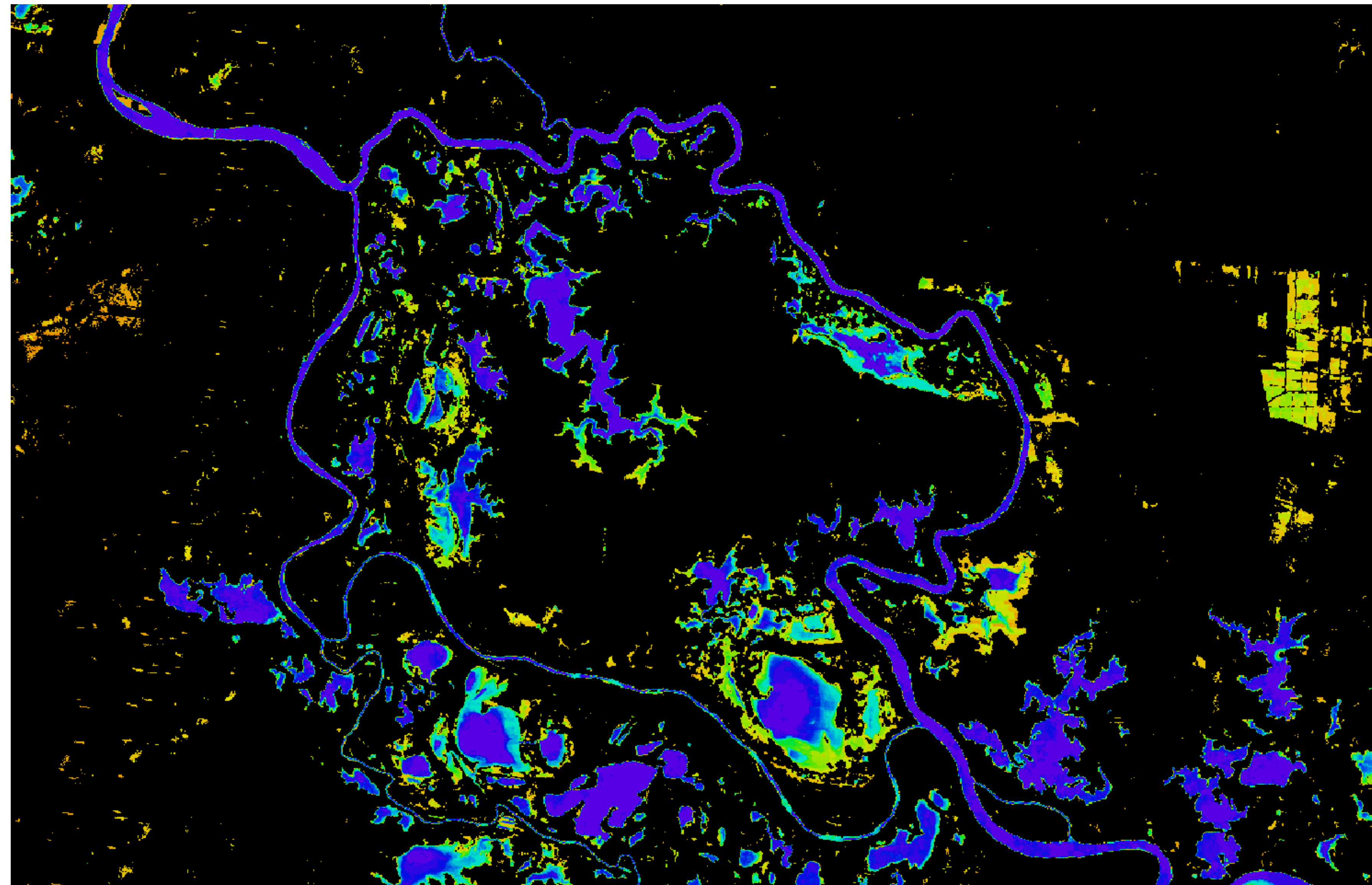
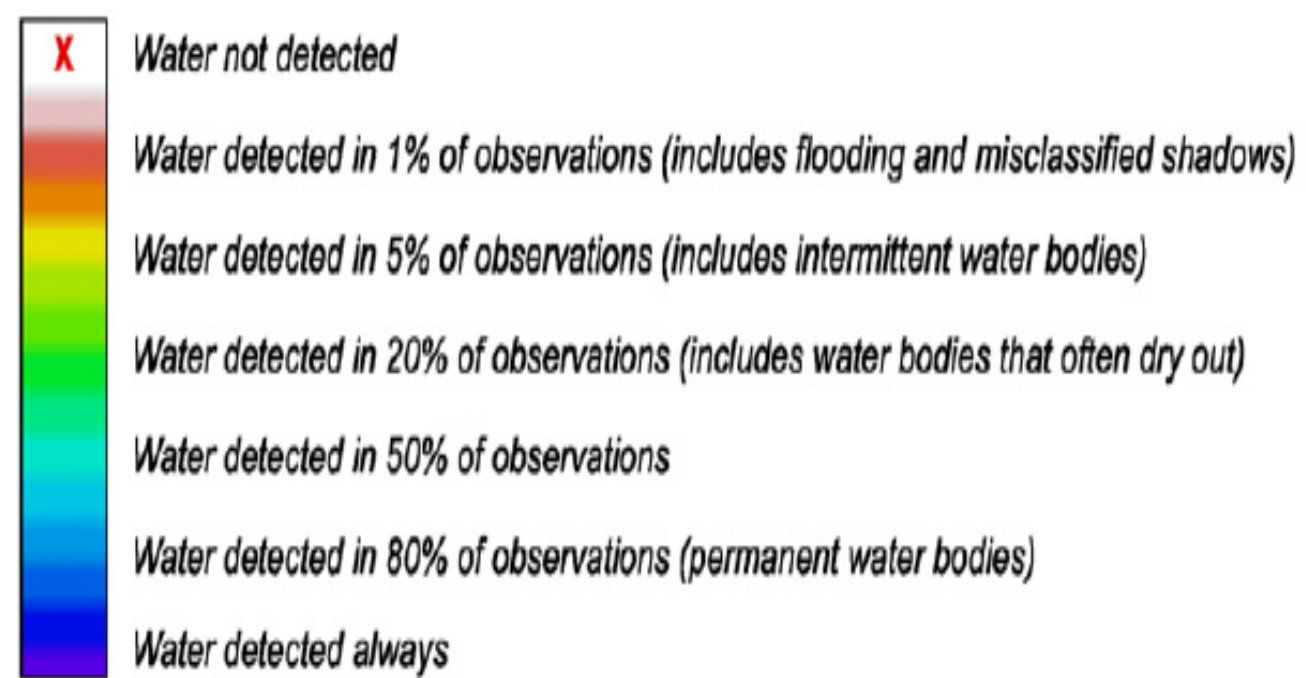












# SDG 6.6.1

**Spatial extent of water-related ecosystems and inland open waters**



# Percentage Change in Spatial Extent = $[(\beta - \gamma) / \beta] * 100$

Where  $\beta$  = the average national spatial extent baseline (National Dataset of water bodies)

Where  $\gamma$  = the average national spatial extent of any other 5 year period (WOfS 2015 National Coverage)



**Source:** WOfS 2015 National Coverage - Data Cube

**Area:** 44 492.4126 Km<sup>2</sup>



**Source:** Water Bodies National Dataset scale 1: 50 000 - 2010

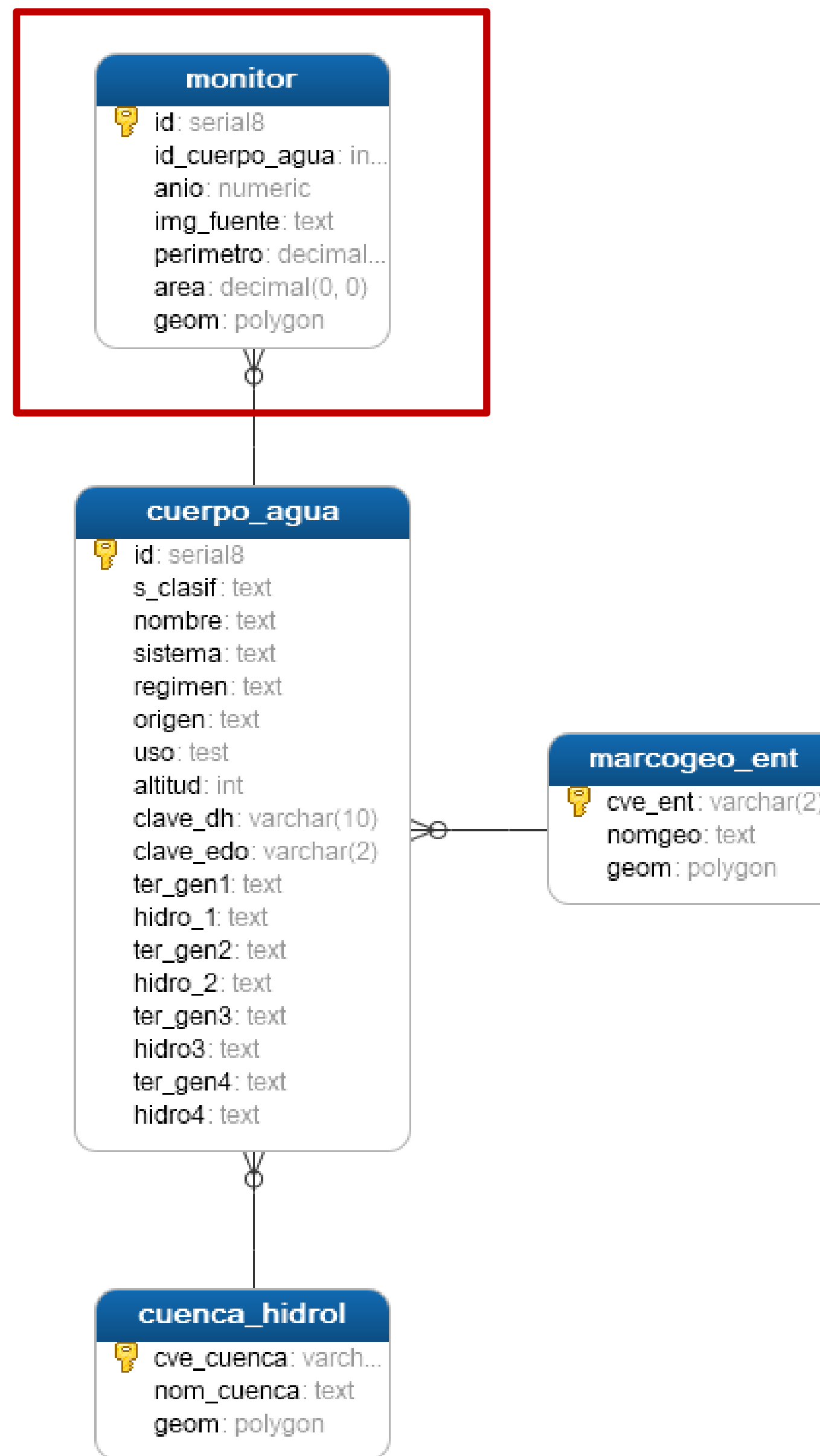
**Area:** 47 622.9 Km<sup>2</sup>

[https://www.unwater.org/app/uploads/2018/05/Step-by-step-methodology-6-6-1\\_Revision-2018-03-02\\_Final.pdf](https://www.unwater.org/app/uploads/2018/05/Step-by-step-methodology-6-6-1_Revision-2018-03-02_Final.pdf)









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