

# Lake Earthquake, Montana, United States

Sentinel-2 MSI acquired on 20 July 2019 at 18:19:31 UTC  
Sentinel-1 CSAR IW acquired on 10 March 2020 at 01:19:29 UTC

Author(s): Sentinel Vision team, VisioTerra, France - [svp@visioterra.fr](mailto:svp@visioterra.fr)

Keyword(s): Geohazard, natural disaster, landslide, earthquake, dam, lake, Yellowstone hotspot, USA

[2D Layerstack](#)

Fig. 1 - S1 (10.03.2020) - vv,vh,ndi(vh,vv) colour composite - Lake Earthquake lies 1948m high, in Montana, at north-west of the US. [2D view](#) [3D view](#)

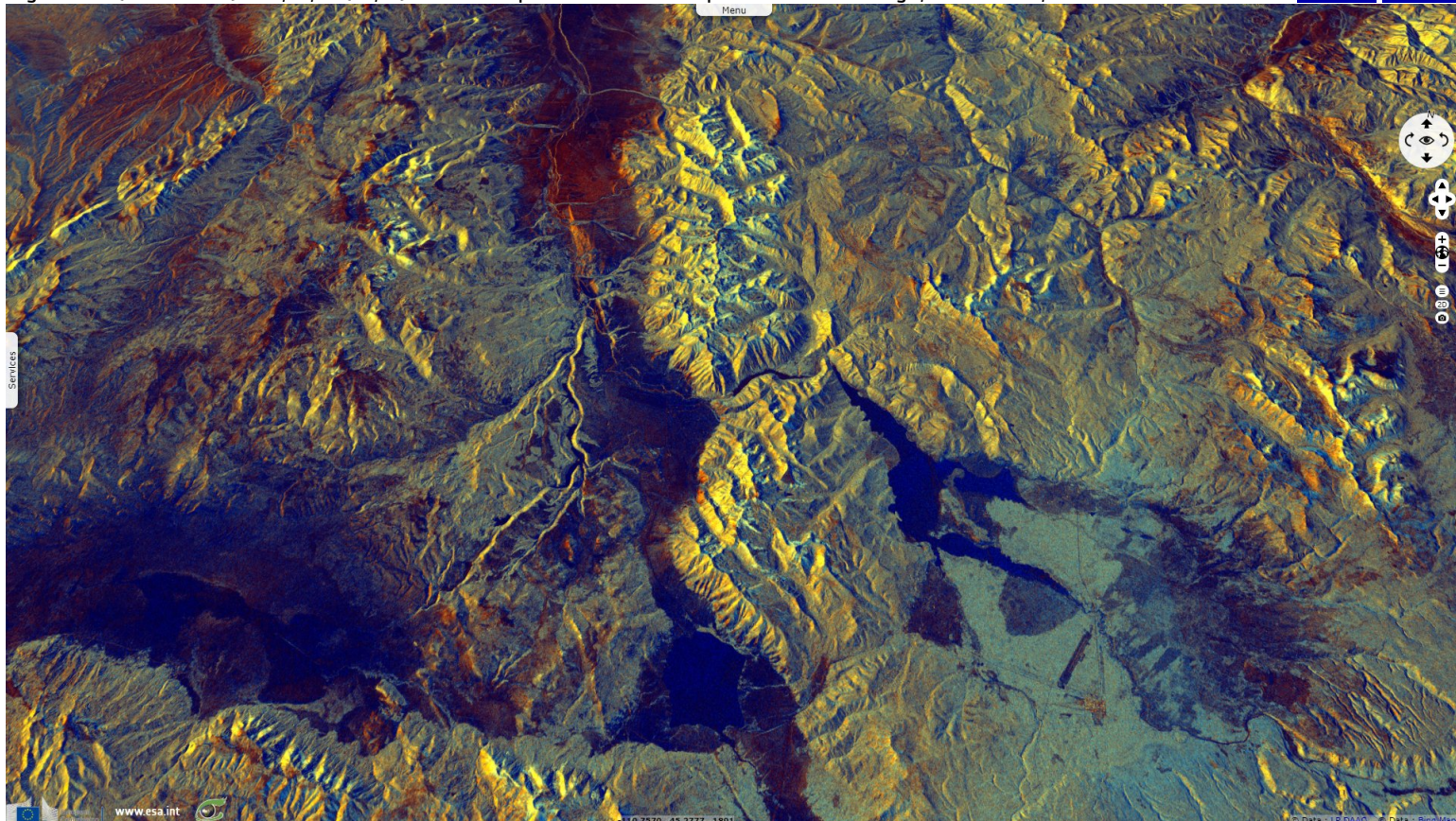


Fig. 2 - S2 (20.07.2019) - 12,11,2 colour composite - It is located 4 km west of Lake Hebgen, itself a neighbour of Yellowstone National Park. [3D view](#)

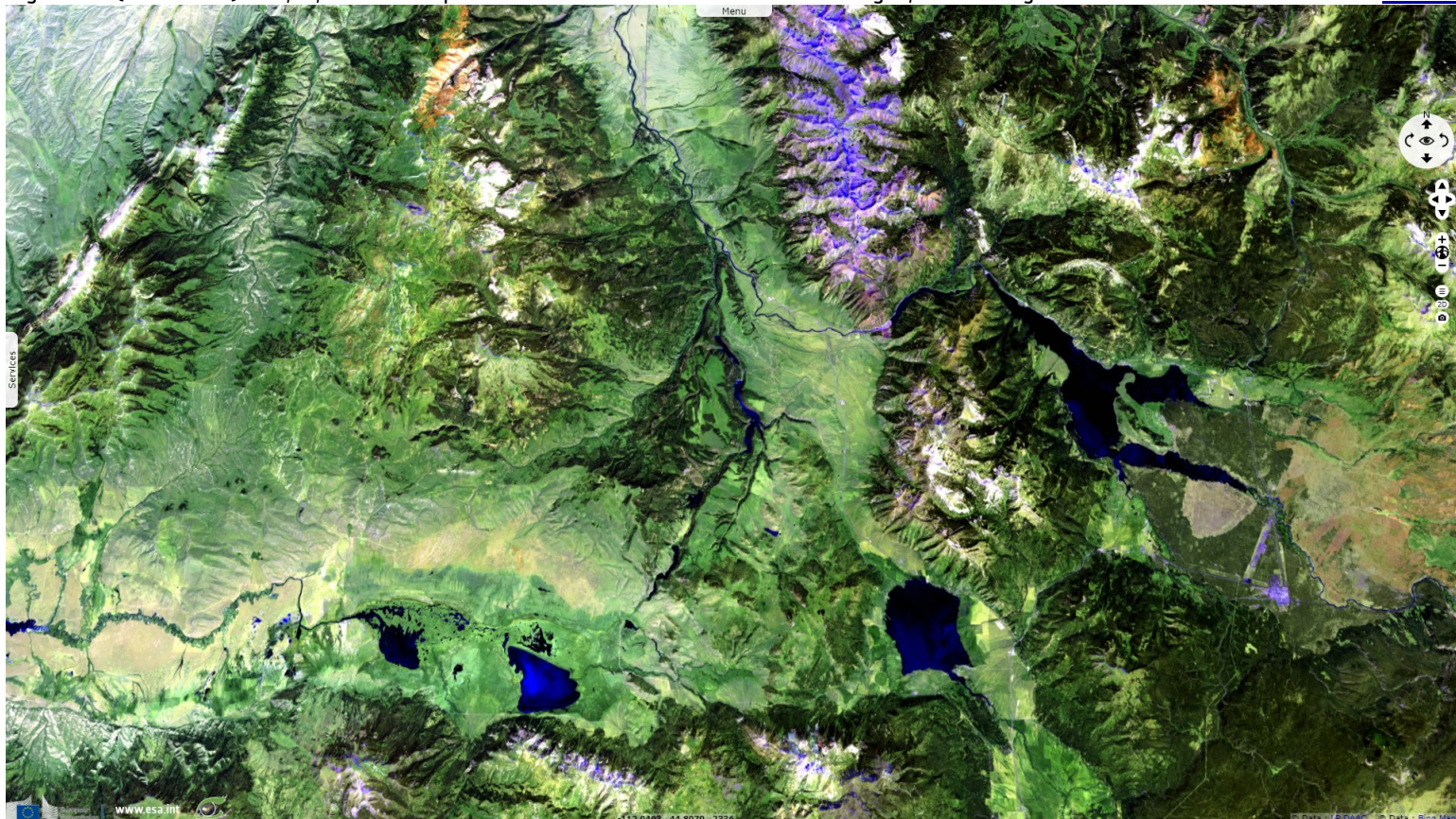




Fig. 3 - 11,8,2 colour composite - Lake Earthquake is 58 m deep and 10 km long, it is formed along the Madison River.

[3D view](#)



Fig. 4 - 4,3,2 colour composite - In 1959, the 7.3 rated Hebgen Lake earthquake caused a 80-million ton landslide, which killed 28 people.

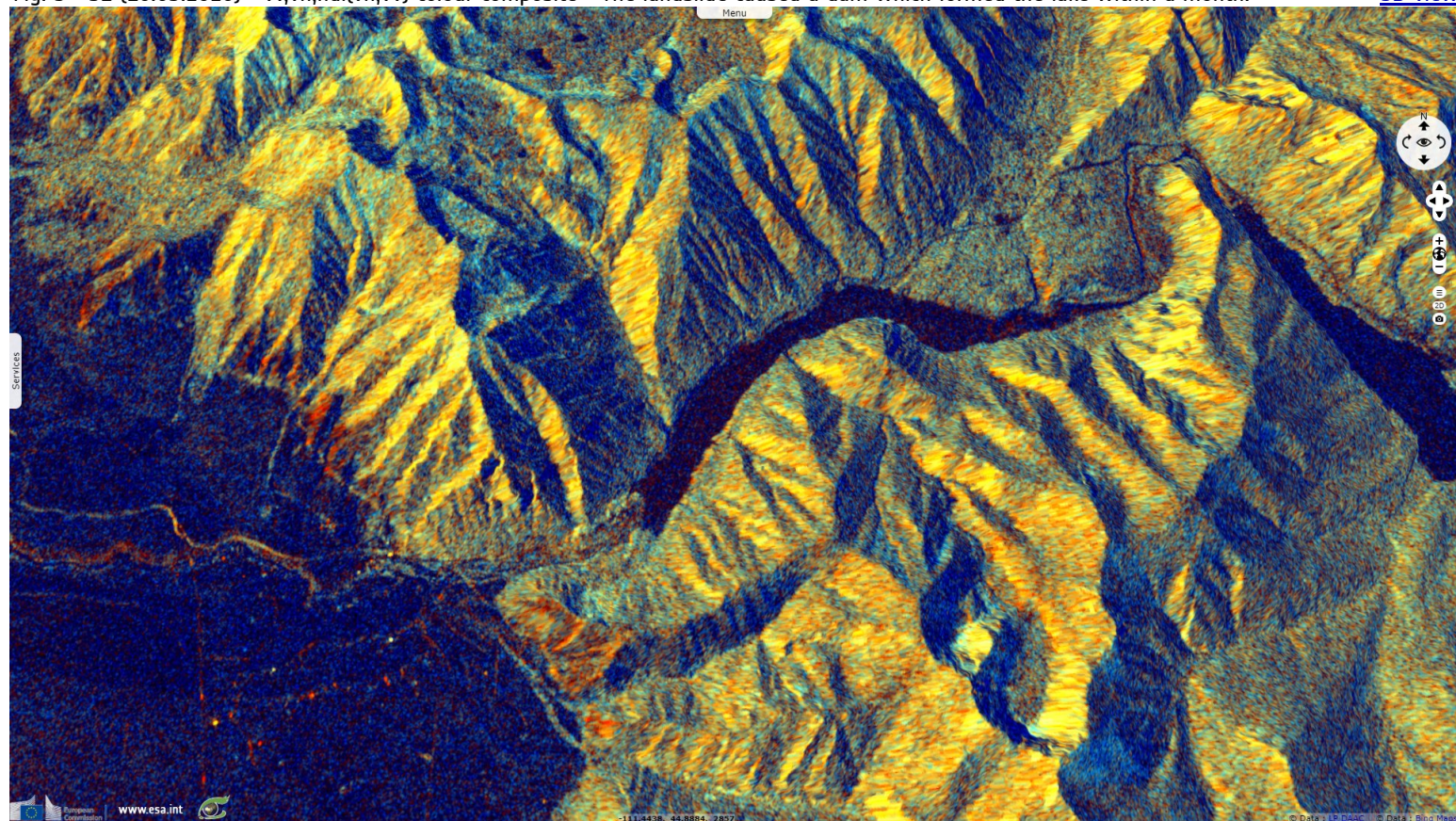
[3D view](#)

















Fig. 5 - S1 (10.03.2020) - vv,vh,ndi(vh,vv) colour composite - The landslide caused a dam which formed the lake within a month.

[3D view](#)



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