

Clearwater crater lake

Sentinel-1 CSAR IW acquired on **19 March 2015** at 22:46:25 UTC
Sentinel-1 CSAR IW acquired on **27 September 2016** at 22:46:07 UTC
Sentinel-2 MSI acquired on **15 August 2018** at 16:10:01 UTC
Sentinel-2 MSI acquired on **12 April 2019** at 16:09:01 UTC

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[2D Layerstack](#)

Fig. 1 - S2 (15.08.2018) - 8,3,2 colour composite - Clearwater Lake is a 1226 km²-large, 178 m-deep lake, the 2nd largest in Quebec. [2D view](#) [3D view](#)

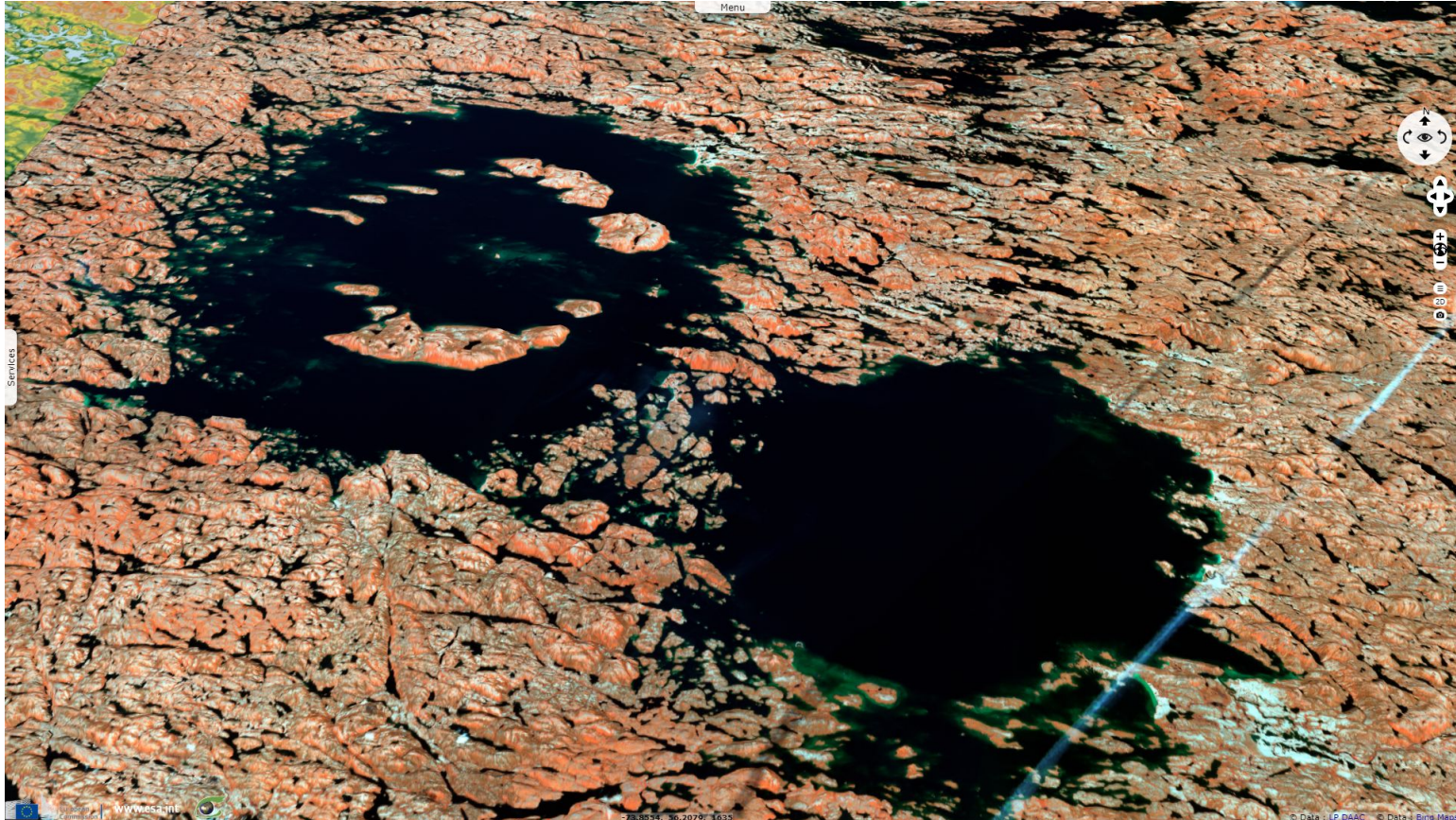
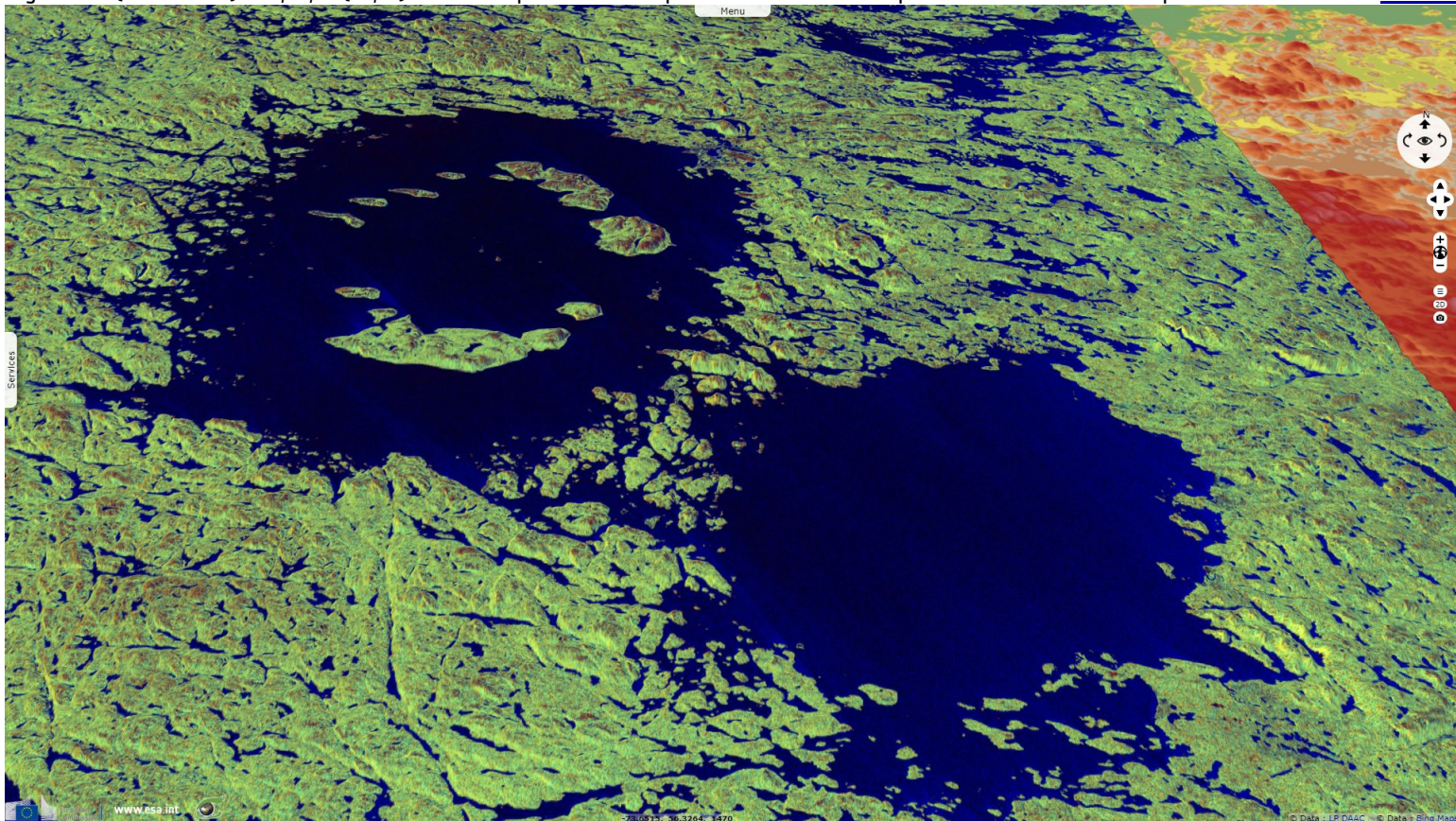


Fig. 2 - S1 (27.09.2016) - vv,vh,ndi(vh,vv) colour composite - It occupies the near-circular depressions of two eroded impact craters. [3D view](#)



Lying in NW Quebec in the Canadian shield, the eastern crater is 26 km-wide & ~465 million years old, the western is 36 km-wide & ~286 myo.

Fig. 3 - 19.03.2015 - vv,vh,ndi(vh,vv) composite - Both are complex craters with central peaks (water & sediments cover the eastern peak). [3D view](#)

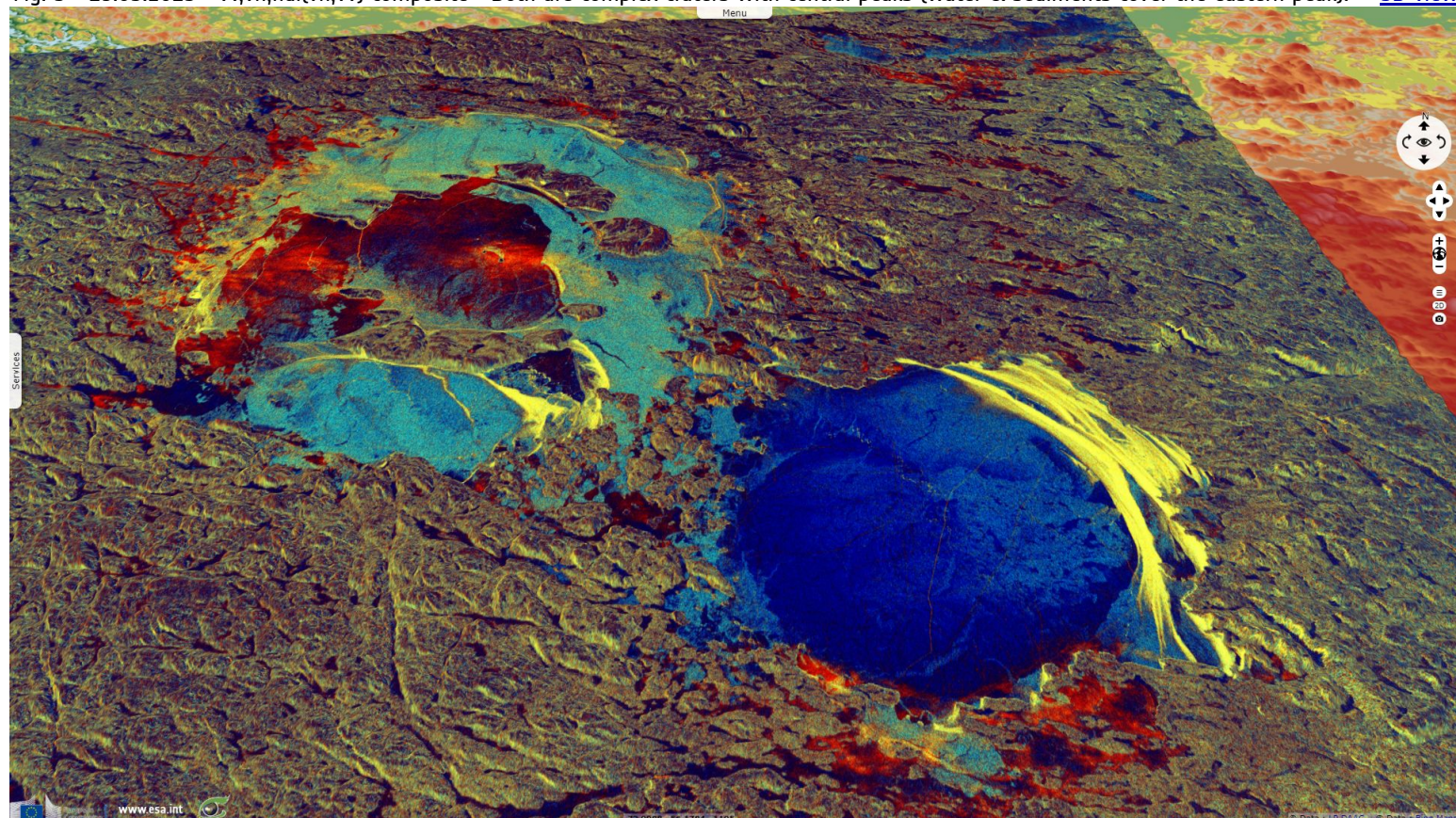


Fig. 4 - 12.04.2018 - 12,11,2 composite - The central islands are an arctic enclave of arctic flora surrounded by boreal species on the shores. [3D view](#)



*The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.
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