

Sentinel Vision
SED-622
11 March 2020

Lake MacKay, Australia

Sentinel-2 MSI acquired on 11 November 2019 at 01:37:21 UTC
Sentinel-1 CSAR IW acquired on 30 December 2019 at 20:50:17 UTC
Sentinel-1 CSAR IW acquired on 30 December 2019 at 20:50:46 UTC
Sentinel-1 CSAR IW acquired on 30 December 2019 at 20:51:11 UTC

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Keyword(s): Salt lake, islands, land, endorheic basin, Great Sandy Desert, Western Australia

[3D Layerstack](#)

Fig. 1 - S1 (30.12.2019) - vv,vh,ndi(vh,vv) colour composite - Lake MacKay is the largest lake of the western half of Australia with 3500 km². [2D view](#)

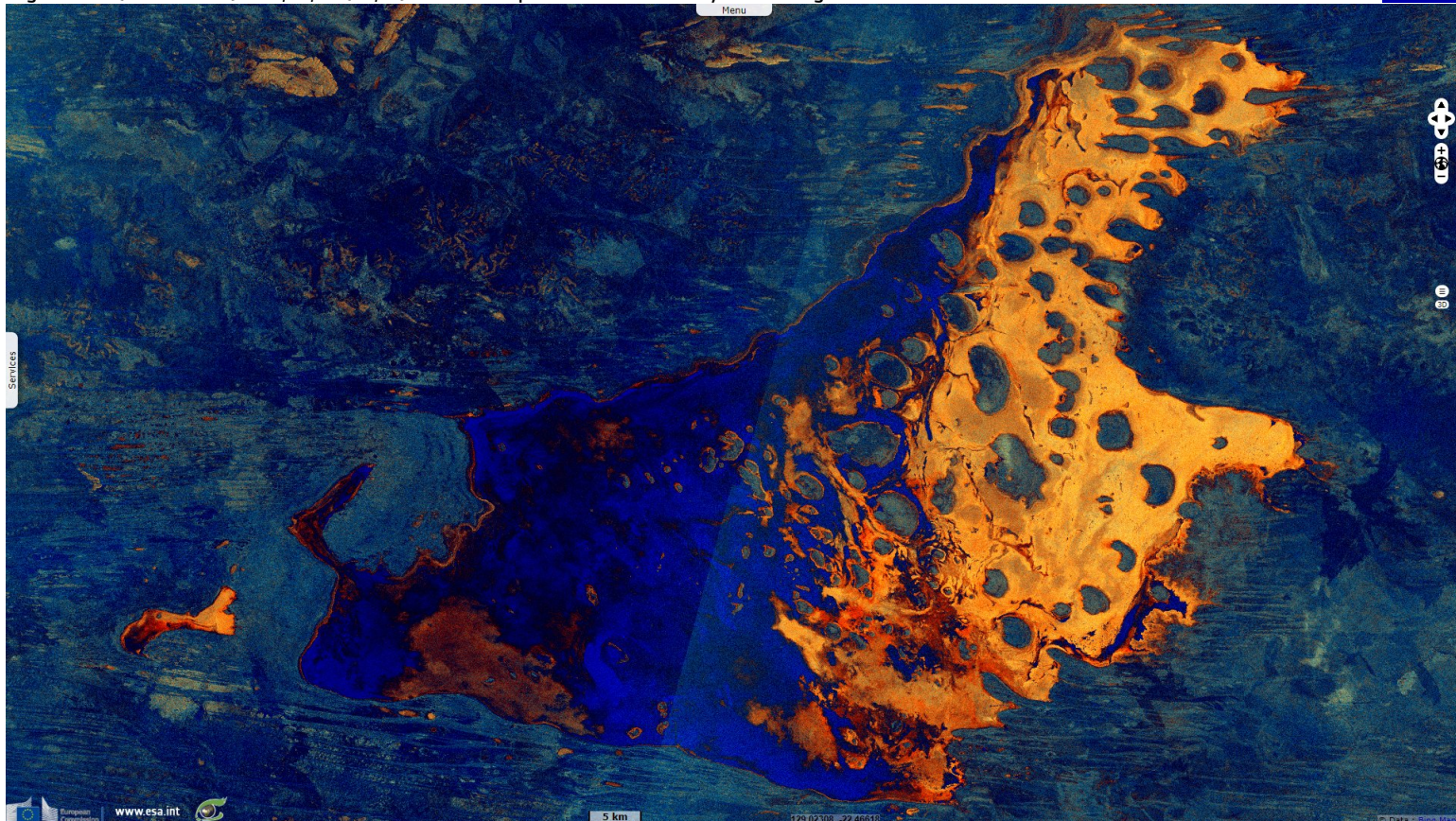
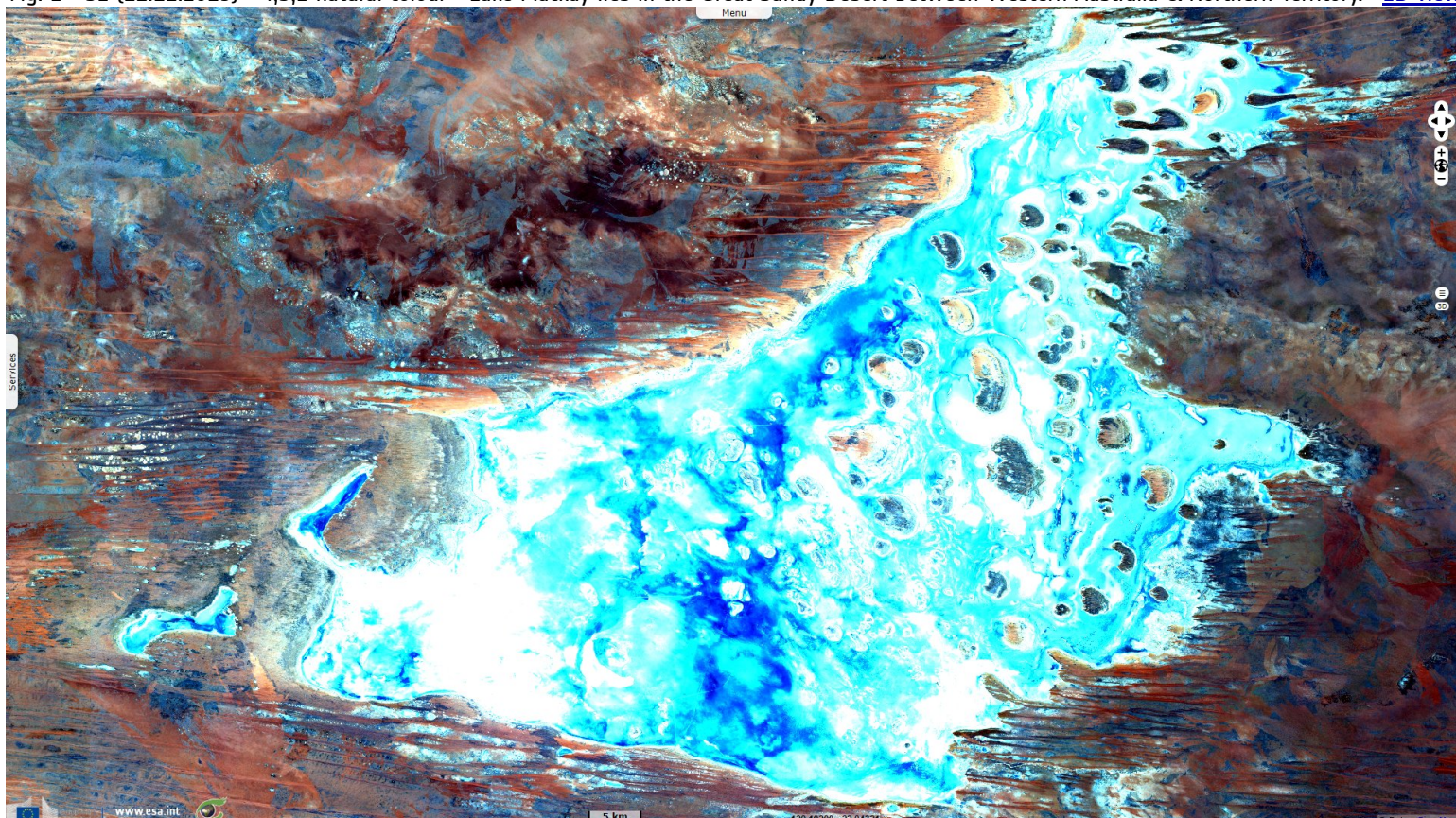


Fig. 2 - S2 (11.11.2019) - 4,3,2 natural colour - Lake MacKay lies in the Great Sandy Desert between Western Australia & Northern Territory. [2D view](#)



E-W sand ridges formed by eolian erosion surround it. Evaporation causes capillary that carries salts & other reflective minerals to the surface.

Fig. 3 - Same view with reduced saturation. Multiple islands are surrounded by shallow brackish waters.

[2D view](#)

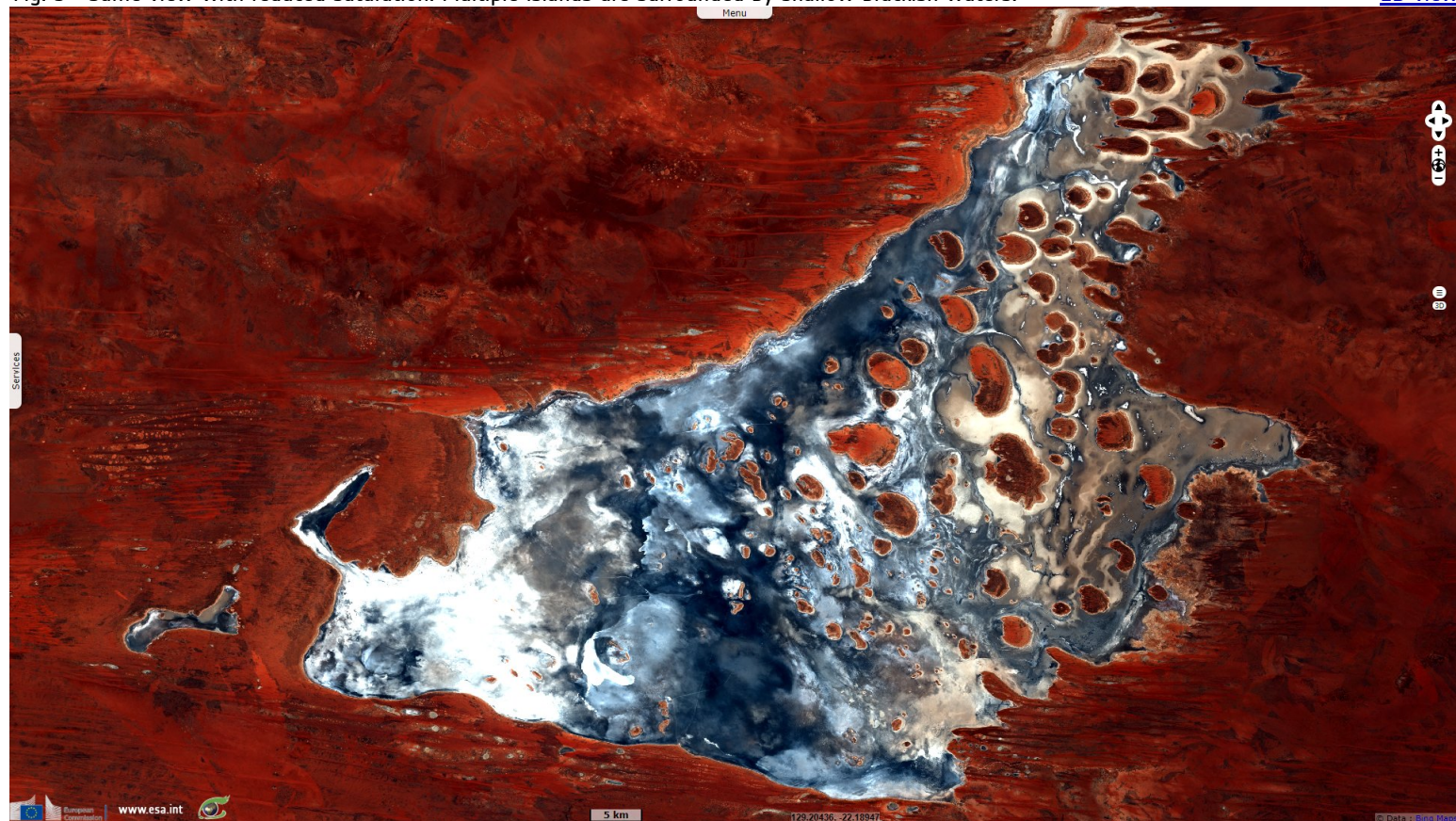
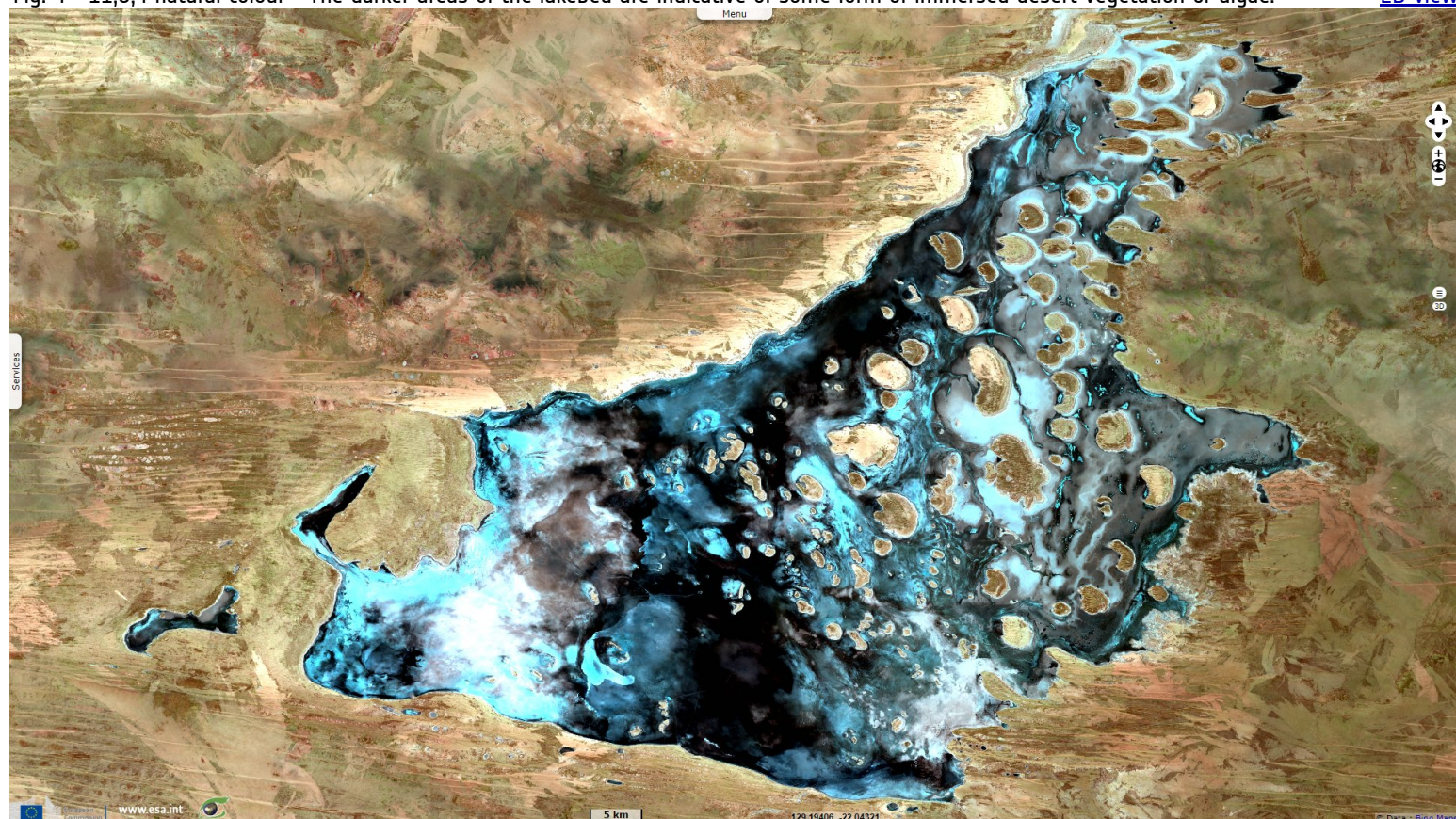


Fig. 4 - 11,8,4 natural colour - The darker areas of the lakebed are indicative of some form of immersed desert vegetation or algae.

[2D view](#)



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