

Use of the Sentinel-2 and Landsat-8 satellites for water quality monitoring: an early-warning tool in the Mar Menor coastal lagoon

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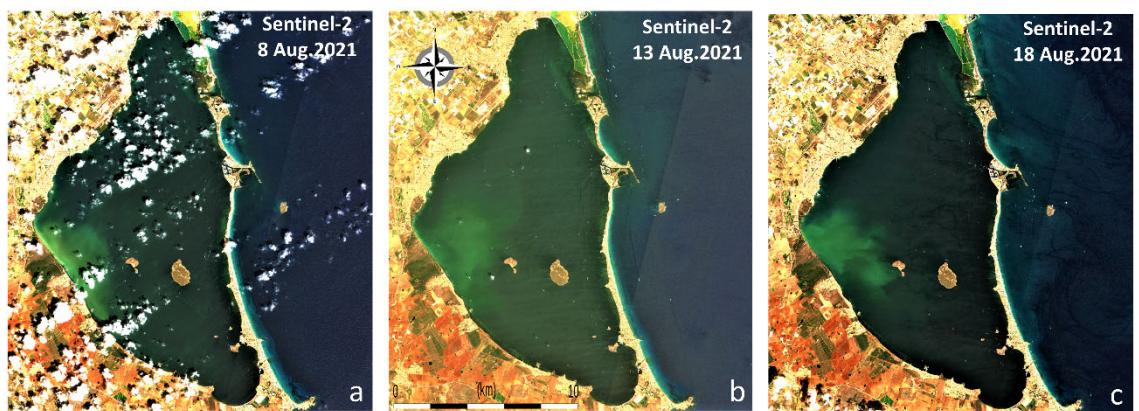


Figure S1. RGB (Red-Green-Blue) composite image on (a) 8, (b) 13, and (c) 18 August 2021 of the Sentinel-2 satellite (10 m spatial resolution).

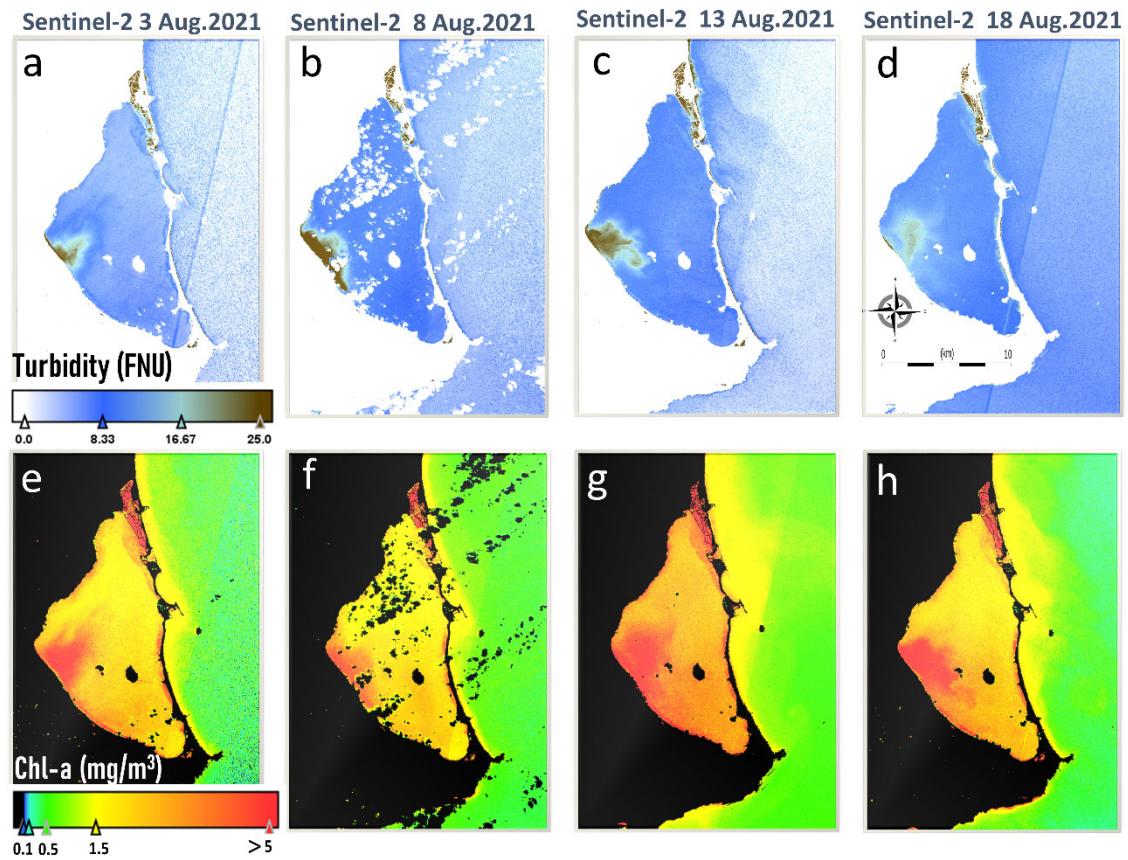


Figure S2. Turbidity (FNU) on (a) 3, (b) 8, (c) 13, and (d) 18, August 2021 of the Sentinel-2 satellite (10 m spatial resolution); (e–h) the same for chlorophyll-a concentration (Chl-a, mg/m³).

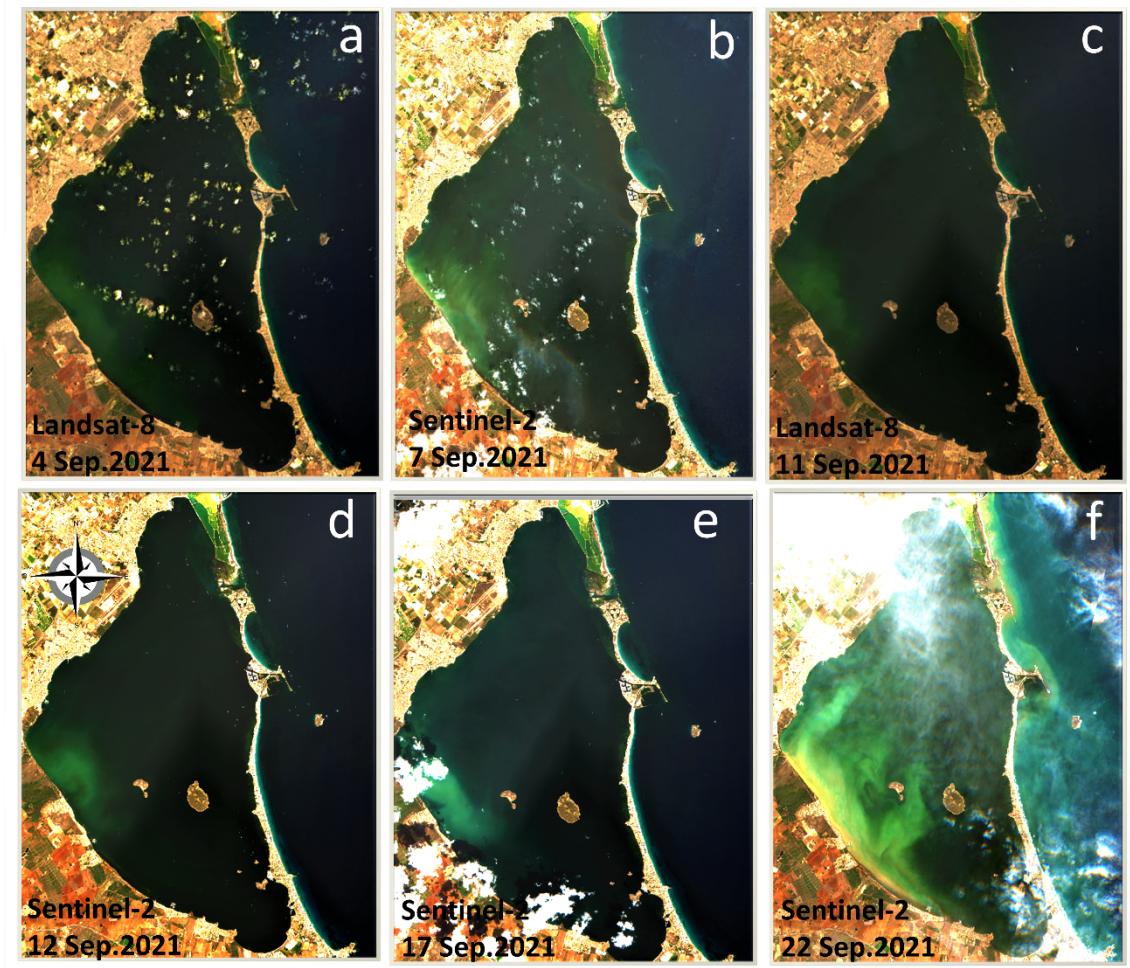


Figure S3. Sentinel-2 and Landsat-8 RGB (Red-Green-Blue) composite image acquired on (a) 4 September 2021, (b) 7 September 2021, (c) 11 September 2021, (d) 12 September 2021, (e) 17 September 2021, and (f) 22 September 2021.

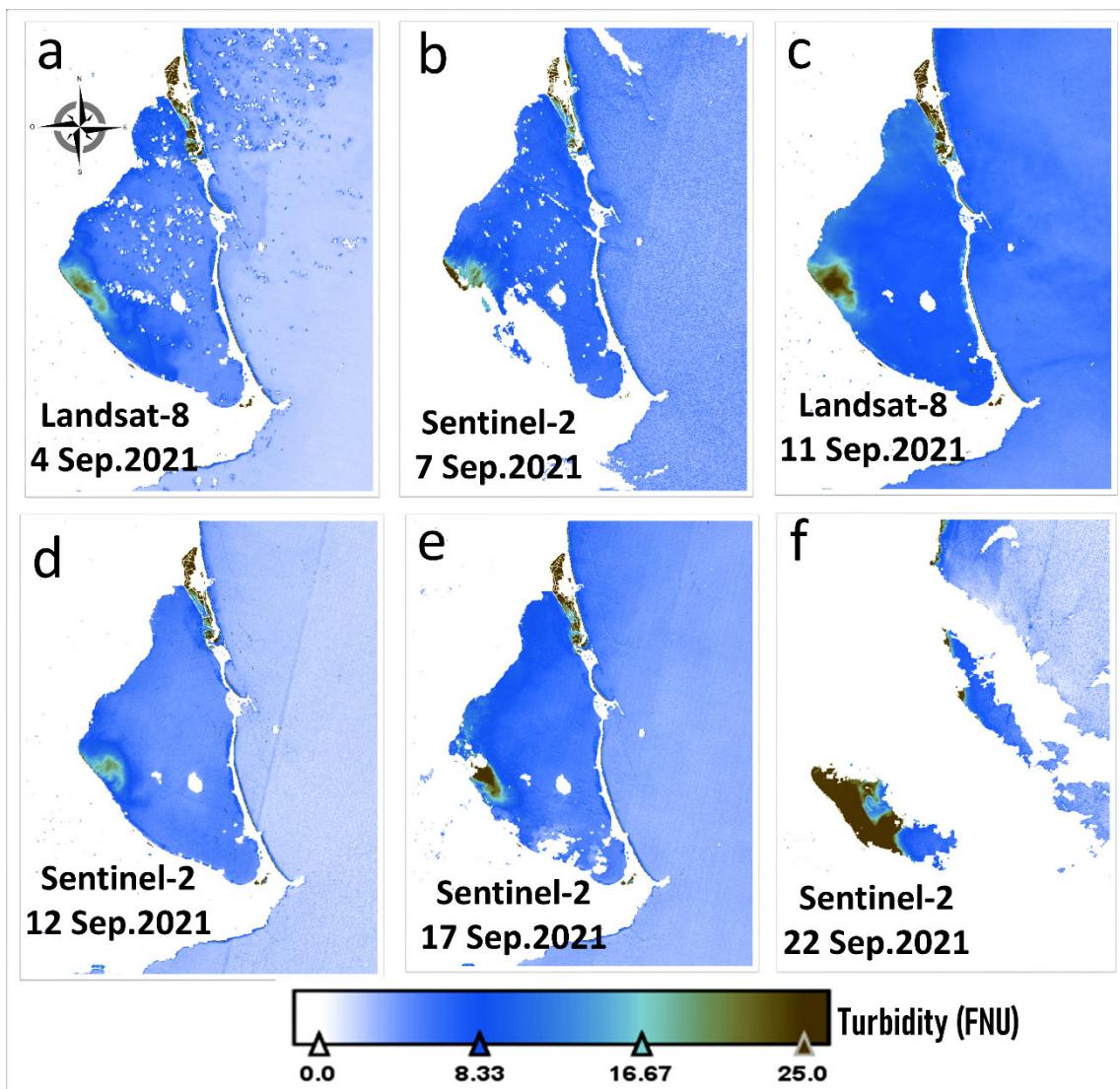


Figure S4. Turbidity (FNU) from Sentinel-2 and Landsat-8 acquired on (a) 4 September 2021, (b) 7 September 2021, (c) 11 September 2021, (d) 12 September 2021, (e) 17 September 2021, and (f) 22 September 2021.

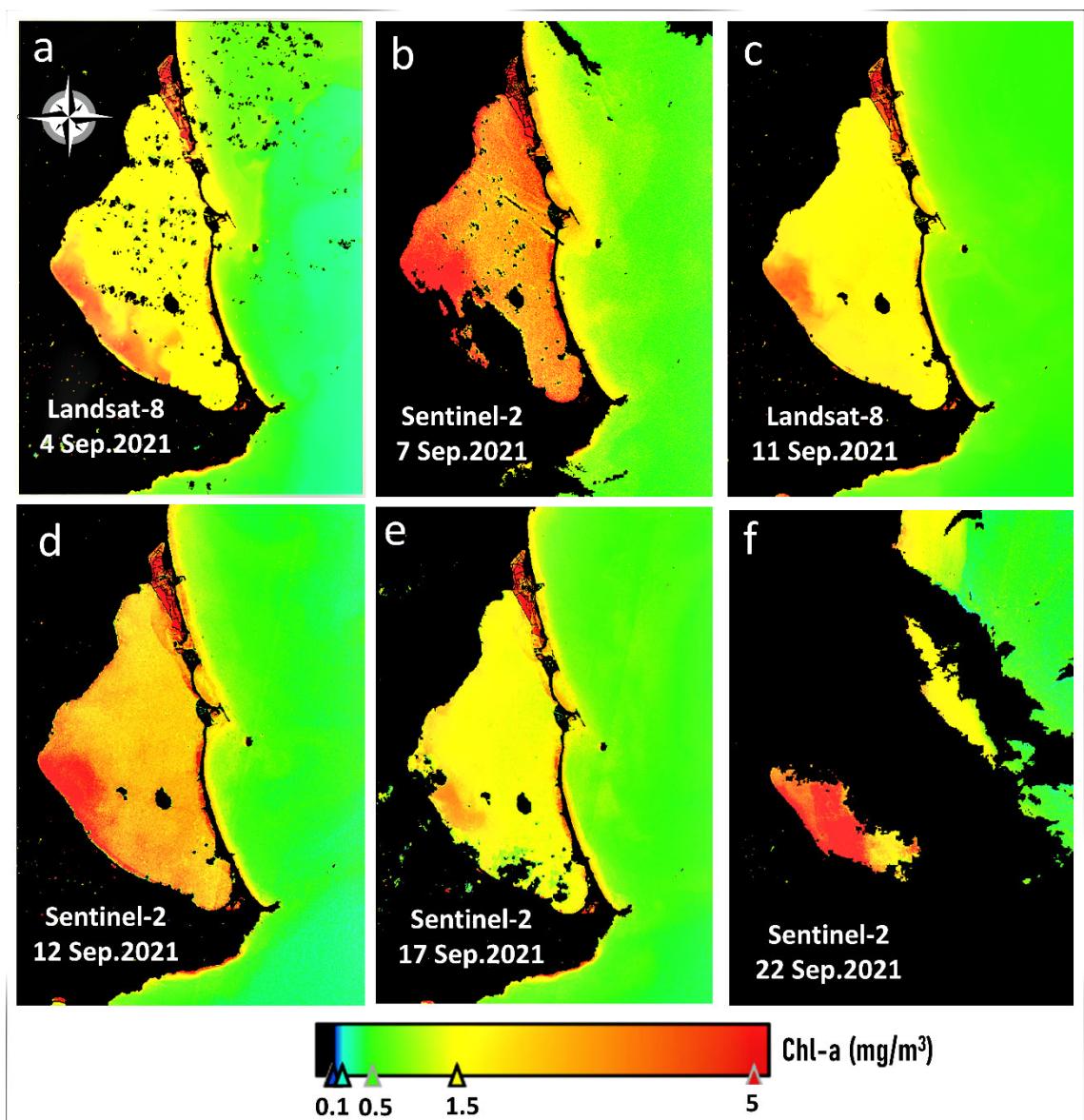


Figure S5. Chlorophyll-a concentration (Chl-a, mg/m^3) from Sentinel-2 and Landsat-8 acquired on (a) 4 September 2021, (b) 7 September 2021, (c) 11 September 2021, (d) 12 September 2021, (e) 17 September 2021, and (f) 22 September 2021.

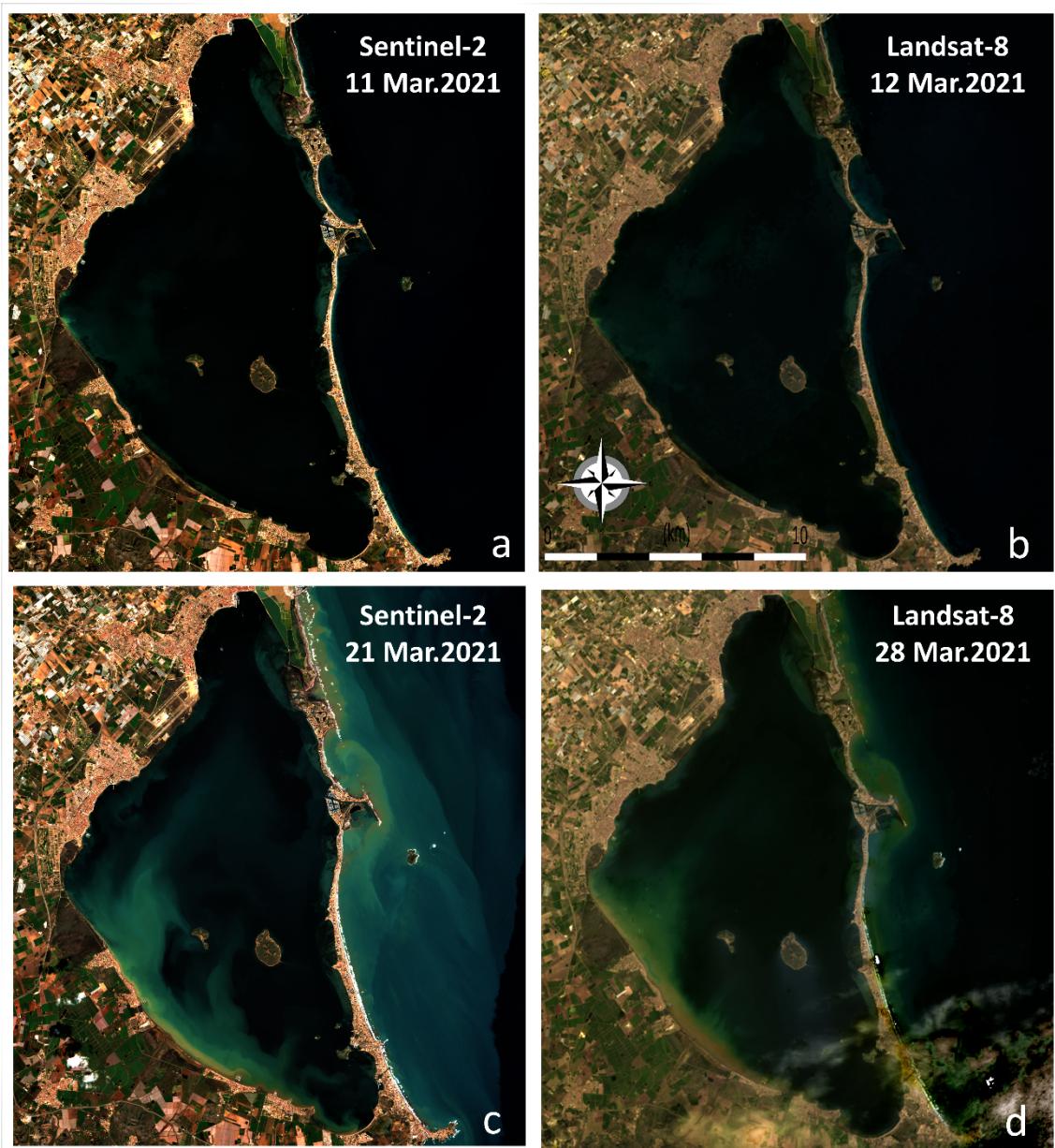


Figure S6. RGB (Red-Green-Blue) composite image from Sentinel-2 and Landsat-8 acquired on **(a)** 11, **(b)** 12, **(c)** 21, and **(d)** 28 March 2021.

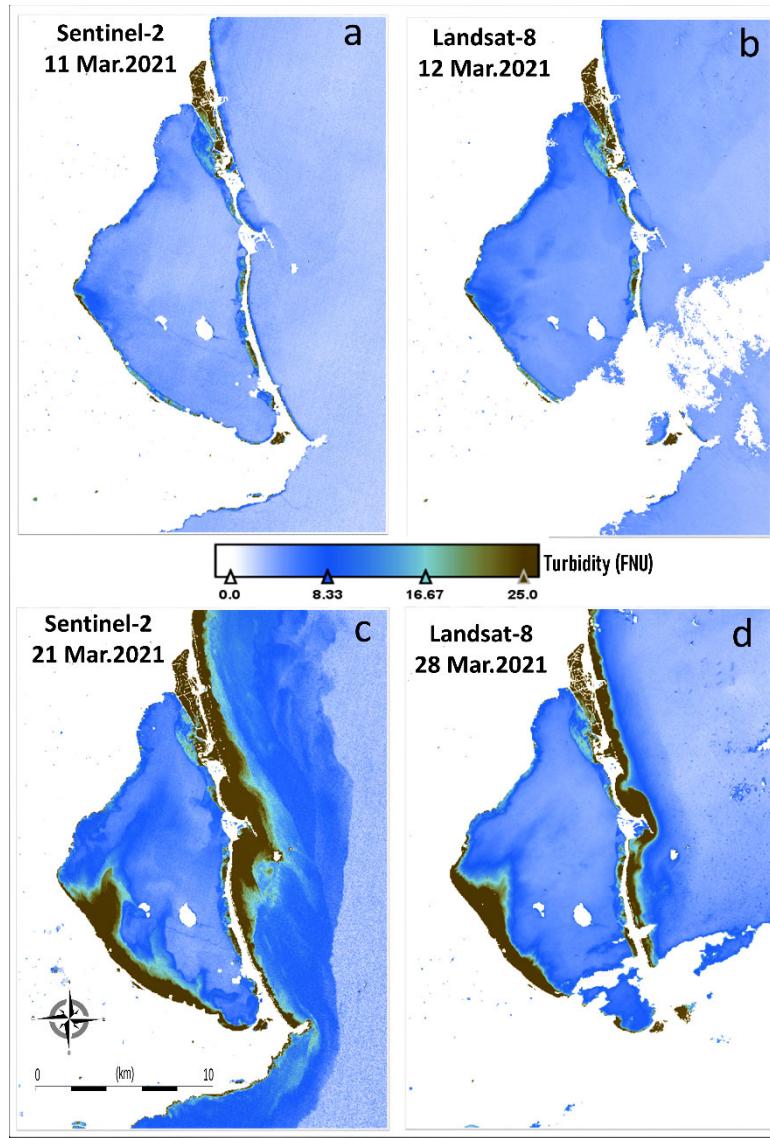


Figure S7. Turbidity (FNU) from Sentinel-2 and Landsat-8 acquired on (a) 11, (b) 12, (c) 21, and (d) 28 March 2021.

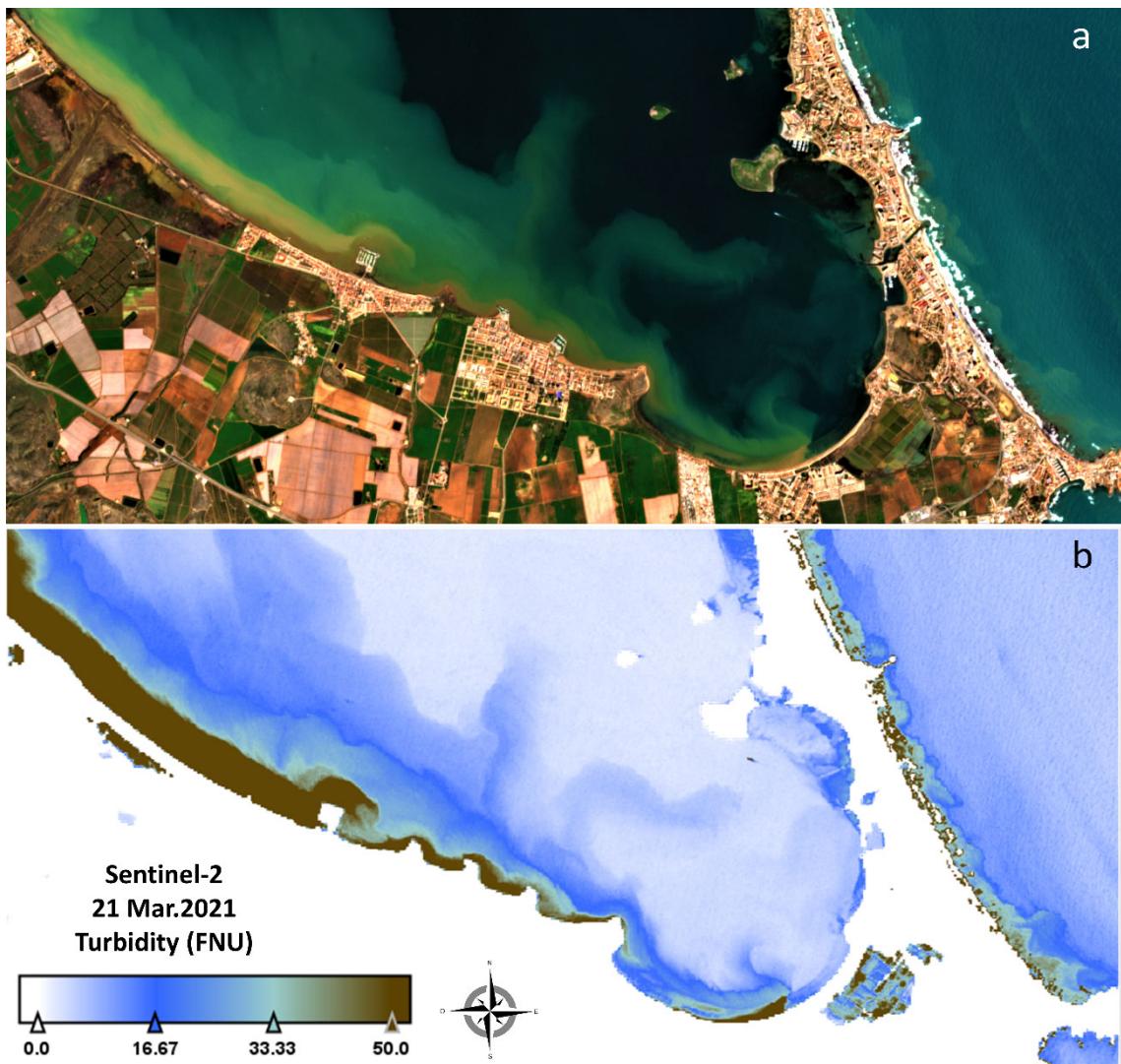


Figure S8. (a) RGB (Red-Green-Blue) composite image, and (b) Turbidity (FNU) from Sentinel-2 on 21 March 2021 corresponding to the southeastern shore of the Mar Menor.