

*Distribución de la vegetación flotante de nenúfares en la cuenca alta del río Guadiana (España) mediante fotointerpretación. Resultados preliminares*

**Distribution of the floating vegetation of “water lilies” in the upper Guadiana river basin (Spain) by means of aerial photo interpretation. Preliminary results**

---

Authors: Gosálvez, R.U., Flores, T.

Location: *Biogeografía de Medios Litorales: Dinámicas y conservación* (2014), ISBN 978-84-617-1068-3, pages 401-404

Language: Spanish

The floating vegetation of “water lilies” is protected in Castilla-La Mancha, being suggested their tracking to assess the status, tracking that has not been made until now, among other causes by their way of distribution in the rivers and their low accessibility. This justifies the use of remote sensing, in this case the photo interpretation of the digital aerial orthophotos taken in 1956, 1984, 1997, 2006 and 2012, confirming the presence of the “water lilies” only in the Guadiana river and its tributary the Bullaque, in stagnant sections of these rivers. A total of 205 patches have been recognized in the Guadiana that cover an area of 100,421 m<sup>2</sup>, with an average patch size of 489 m<sup>2</sup>, and 69 patches in the Bullaque river, total area of 29,924 m<sup>2</sup>, average patch size of 435 m<sup>2</sup>. Between 1956 and 2006 is locally observed a loss of patches and thus decreasing in their full distribution range.

**Key words:** Aerial photo interpretation; Distribution; Guadiana; Vegetation; Water lilies.