

*Estudio de la distribución espacial de una especie invasora,  
Oenothera drummondii Hook., en el arenal costero del Dique  
Juan Carlos I*

**Study of the spatial distribution of an invasive species, *Oenothera Drummondii* Hook., in the coastal sand banks of the Juan Carlos I Dock**

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Juan Carlos I Dock shelters a dune system of quite recent formation in Las Marismas del Odiel Natural Area in Huelva. The target of the present research was to find the expansion trends of *Oenothera drummondii* Hook, an alien invasive species originating in the Gulf of Mexico, out of a study of its spatial distribution along the sand banks of the dock. The species expands in aggregates, more abundant in halfstabilized dunes. Density data have shown that the border invasion area doesn't reach the values of the invaded sector yet. Moreover, the spatial distribution pattern in the border invasion area points out the probable existence of a guided seed scattering vector, which could be the hare by endozoochory. The previous scattering and distribution surveys of invasive species enables the estimation of the area's degree of invasion and the development of eradication campaigns; this makes us believe that prevention should be the future line of research.

**Key words:** invasive species; Juan Carlos I Dock; *Oenothera drummondii* Hook.; dune system.