

Factores que influyen en la selección de lagunas para nidificar por los zampullines cuellinegros Podiceps nigricollis en el centro de España

Factors influencing lake selection for nesting by black-necked grebes *Podiceps nigricollis* in central Spain

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The Black-necked Grebe *Podiceps nigricollis* shows a scattered distribution in Spain, being shallow lakes in Andalusia and Castilla-La Mancha the major nesting sites. To determine which factors explain best the selection of a lake by this species in central Spain we have associated their presence with 27 environmental variables and the presence of black-headed gulls. Black-necked grebe nesting data were obtained in 2012. To identify the explanatory variables we have carried a hierarchical partitioning analysis (HP) with the R package "hier part". The results show that the probability that the Black-necked grebes select a particular shallow lake is positively related with the surface of the lake, the number of breeding pairs of black-headed gull and negatively with the number of lakes with water contained within 2 and 5 km buffers.

Key words: Biogeography; Breeding season; Habitat selection; Lake; *Podiceps nigricollis*.