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REPORT OF THE STATUS OF THE FAN MUSSEL POPULATIONS IN MAR MENOR LAGOON

RESPONSIBLE **UA**

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Abstract

This report summarises the available information on the monitoring of *Pinna nobilis* populations in the Mar Menor coastal lagoon, where three fixed 1 ha survey plots with a high density of *P. nobilis* individuals were defined. In these plots, individuals were marked and georeferenced in collaboration with the Autonomous Community of the Region of Murcia. Individuals in these plots were monitored from September 2022 to September 2024 to obtain information on population trends (density, development and growth, mortality rates, etc.) and epibionts description. In each plot, we also collected data on some environmental variables (temperature, salinity, dissolved oxygen, etc.), sediment characteristics (granulometry, redox potential, pH, etc.) and the main benthic macrophytes, obtaining information on the number of species, cover, canopy height and density of the seagrass *Cymodocea nodosa*.