

Action C5.

Extension of the Prevention and early warning system to other Natural Parks



Deliverable: Trapping design for Spanish replication sites

Muela de Cortes y Caroché & Sierra de Martés y el Ave

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Revision history

Version nº	Date	By whom	Concerns
V.1	08/05/2020	Diego Gallego, Noelia Molina, Estefanía Micó	Preliminary design for Muela de Cortes y Carоче and Sierras del Martés y el Ave performed on ortoimages, without field validation due to COVID19 measures.
V.2	12/07/2020	Diego Gallego, Noelia Molina, Estefanía Micó	Definitive design of trapping for Muela de Cortes y Carоче and report of trap installation in field.
V.3	25/07/2020	Diego Gallego, Noelia Molina, Estefanía Micó	Definitive design of trapping for Sierras de Martés y el Ave and report of trap installation in field.
V.4	20/09/2021	Van Leijen	Merge of the 2 separate documents.

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Summary

This document includes the trapping design for the replication sites of "Muela de Cortes y Caroché" SCI ES2533040 and "Sierras del Martés y el Ave" LIC ES2533011 to be implemented in 2020.

A preliminary trapping design for both sites was prepared in May 2020, using public ortoimagery (http://www.icv.gva.es/auto/aplicaciones/icv_geocat/#/results/ortofotos).

However, no field validation was possible due to COVID-19 pandemic restrictions and sharing the design with the Environmental Agents was also problematic. In the end it was with both of them discussed and approved by telephone.

The design foresees for both sites the installation of 12 traps, which could finally be installed respectively on 9 July 2020 in Muela de Cortes y Caroché and on 23 July 2020 in Sierras del Martés y el Ave. This document also comprises some pictures of these installations.

1. Trapping design procedure

For both sites, it was planned to install a network consisting of 12 traps, using for the identification of their location the most recent orthophotos available from a public source:

http://www.icv.gva.es/auto/aplicaciones/icv_geocat/#/results/ortofotos, by QGIS.

We used the images to select sites that meet the following conditions: nearest distance to the core site, presence of trees, closeness to roads and minimum distance between traps of 500 m.

A map showing the proposed design was sent to the Environmental Agents of each of the replication sites by email and later UA team discussed by phone with them the suitability of the proposed trap locations.

2. Definitive map of trapping design

After reaching agreements on the trap locations for both parks, final maps of agreed trap locations have been edited (Figure 1 and 3). These maps resulted quite similar to the preliminary maps. Traps in Muela de Cortes y Caroché were installed in the fields on 9 July (Figure 1 and 2), and in Sierras del Martés y del Ave on 23/07/2020 (Figures 3 and 4).

In both sites, traps will be revised biweekly until early December 2020.

2.1 Definitive trapping design in Muela de Cortes y El Carroche

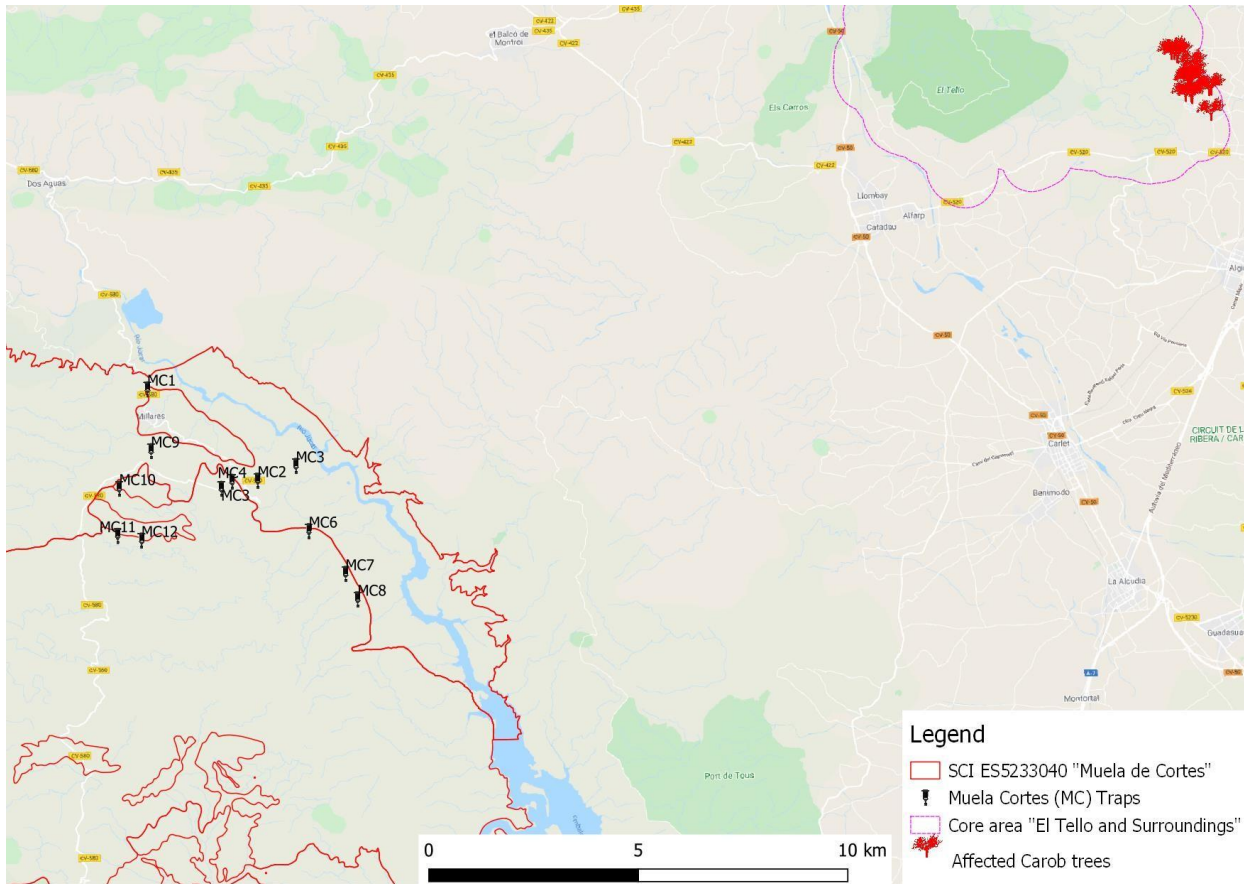


Figure 1: Map of trap locations in the Replication Site "Muela de Cortes y El Carroche" SCI:ES2533040



Figure 2: Traps installed in the Replication Site "Muela de Cortes y El Carroche" SCI: ES2533040

2.2 Definitive trapping design in Sierras del Martés y del Ave

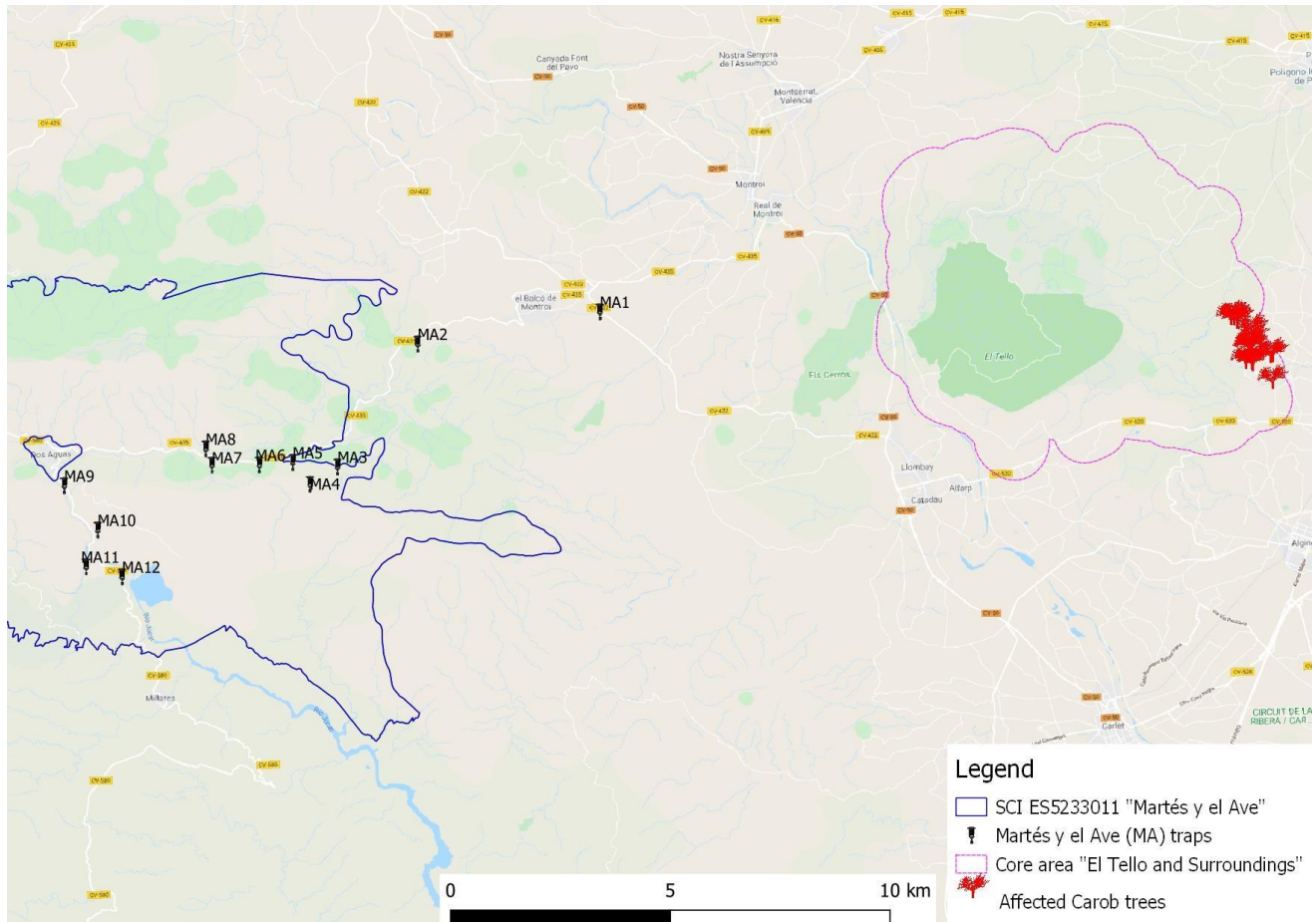


Figure 3: Definitive map of trap locations in the Replication Site "Sierras del Martés y del Ave" SCI: ES2533011



Figure 4: Pictures of some installed traps in the Replication Site "Sierras del Martés y del Ave" SCI: ES2533011