**Supplemental information to submitted article: Density and population viability of coastal marten: a rare and geographically isolated small carnivore**

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Table 1a. Summary of location data collected by individual Pacific marten (*Martes caurina*). We collected spatial locations (Lxns) on marten when they were radio collared (Tracking period) with either a G10 snap technology GPS unit (27g, Advanced Telemetry Systems, “ATS”), a M1820 VHF unit made by ATS (27g; “VHF”), or a Quantum 4000 micro-mini GPS unit made by Telemetry Solutions (41-44g, “TS”). Location data were collected in the Oregon Dunes Recreation Area between October 2015 and January 2016. We estimated territories using 99% Local Convex Hulls (LoCoH) and here we report distance from territory center to the furthest edge of their territory (Radius).

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| --- | --- | --- | --- | --- | --- | --- |
| Marten(ID) | Tracking period*a*(dates) | Lxns(#) | Collar(brand) | 99% LoCoh (units) | Length (m) | Forest cover*b* (km2) |
| F01*c* | 11/22/15 - 01/05/16 | 2623 | ATS | 0.59 | 0.72 | 0.42 |
| F03*c* | 10/14/15 - 10/29/15 | 752 | TS | 0.62 | 0.77 | 0.49 |
| F04 | 10/14/15 - 11/25/15 | 37 | VHF | 0.79 | 1.50 | 0.52 |
| F05 | 10/18/15 - 01/19/16 | 33 | VHF | 0.71 | 0.90 | 0.53 |
| F06*c* | 10/29/15 - 12/29/15 | 23 | VHF | 0.27*d* | 6.60 | - |
| F07*c* | 10/29/15 - 01/27/15 | 35 | VHF | 0.84 | 1.02 | 0.68 |
| F08*c* | 11/29/15 - 12/24/15 | 2960 | ATS | 0.64 | 7.60 | 0.41 |
| M01 | 12/25/15 - 01/01/16 | 666 | ATS | 2.2 | 1.45 | 0.75 |
| M02*c* | 10/16/15 - 10/26/15 | 477 | TS | 2.2 | 1.85 | 0.50 |
| M03*c* | 11/30/15 - 12/05/15 | 324 | TS | 1.7 | 1.17 | 1.19 |
| M04 | 11/23/15 - 11/26/15 | 173 | TS | 1 | 1.20 | 0.78 |

*a*For GPS collars (ATS, TS), animals were also tracked using VHF until the end of the study.

*b*Forest cover (>40% forest cover within 100m moving window) within 99% LoCoh territory.

*c*Located within spatial mark-recapture transect in the northern subpopulation.

*d*Not used in territory size estimation summary due to malfunction of VHF which limited signal strength and therefore estimation of space use.