

<table>
<thead>
<tr>
<th>Marten</th>
<th>Body mass (kg)</th>
<th>Radio-tracking period</th>
<th>Number of locations</th>
<th>Fate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total (at 15-min intervals)</td>
<td>Selected independent</td>
</tr>
<tr>
<td>M 1a</td>
<td>1.30</td>
<td>21 Apr.–2 Aug. 1993</td>
<td>75</td>
<td>62</td>
</tr>
<tr>
<td>M 7a</td>
<td>1.20</td>
<td>6 Dec. 1994–28 Aug. 1995</td>
<td>1749</td>
<td>283</td>
</tr>
<tr>
<td>M 14a</td>
<td>1.29</td>
<td>15 Mar.–16 May 1996</td>
<td>96</td>
<td>50</td>
</tr>
<tr>
<td>M 16a</td>
<td>1.60</td>
<td>25 Aug. 1992</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>14537</td>
<td>2570</td>
</tr>
</tbody>
</table>

Females

<table>
<thead>
<tr>
<th>Marten</th>
<th>Body mass (kg)</th>
<th>Radio-tracking period</th>
<th>Number of locations</th>
<th>Fate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total (at 15-min intervals)</td>
<td>Selected independent</td>
</tr>
<tr>
<td>F 1</td>
<td>0.91</td>
<td>8 May 1992–13 Apr. 1994</td>
<td>845</td>
<td>113</td>
</tr>
<tr>
<td>F 2</td>
<td>0.90</td>
<td>13–15 Apr. 1991</td>
<td>42</td>
<td>5</td>
</tr>
<tr>
<td>F 6</td>
<td>1.01</td>
<td>19 Nov. 1991–16 Dec. 1993</td>
<td>2827</td>
<td>375</td>
</tr>
<tr>
<td>F 8</td>
<td>1.00</td>
<td>27 Mar.1992–16 May 1994</td>
<td>1455</td>
<td>183</td>
</tr>
<tr>
<td>F 9</td>
<td>0.88</td>
<td>16 Jan. 1995–19 July 1995</td>
<td>668</td>
<td>118</td>
</tr>
<tr>
<td>F 11</td>
<td>1.03</td>
<td>17 Nov. 1995–21 Feb. 1996</td>
<td>316</td>
<td>58</td>
</tr>
<tr>
<td>F 20</td>
<td>0.95</td>
<td>3–5 Apr. 1996</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>F 33</td>
<td>1.00</td>
<td>9 May 1992–2 June 1992</td>
<td>240</td>
<td>40</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>7681</td>
<td>1171</td>
</tr>
</tbody>
</table>

Appendix 2. Number of track measurements and track length (cm) used to identify unmarked pine martens. Details in Zalewski (1999). Symbols of martens as in Fig. 1.

<table>
<thead>
<tr>
<th>Marten</th>
<th>Sex</th>
<th>Number of measurements</th>
<th>Range of average length of 5 shortest leaps (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>F</td>
<td>13</td>
<td>48.0–53.4</td>
</tr>
<tr>
<td>B</td>
<td>M</td>
<td>4</td>
<td>58.0–64.2</td>
</tr>
<tr>
<td>C</td>
<td>F</td>
<td>7</td>
<td>42.3–46.8</td>
</tr>
<tr>
<td>D</td>
<td>F</td>
<td>5</td>
<td>39.4–44.4</td>
</tr>
<tr>
<td>E</td>
<td>F</td>
<td>6</td>
<td>47.6–54.6</td>
</tr>
<tr>
<td>F</td>
<td>F</td>
<td>4</td>
<td>40.3–47.3</td>
</tr>
<tr>
<td>G</td>
<td>M</td>
<td>10</td>
<td>70.8–86.6</td>
</tr>
<tr>
<td>H</td>
<td>F</td>
<td>5</td>
<td>38.0–43.0</td>
</tr>
</tbody>
</table>

Winter 1995/1996

<table>
<thead>
<tr>
<th>Marten</th>
<th>Sex</th>
<th>Number of measurements</th>
<th>Range of average length of 5 shortest leaps (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>F</td>
<td>5</td>
<td>44.2–48.8</td>
</tr>
<tr>
<td>K</td>
<td>F</td>
<td>4</td>
<td>44.2–51.6</td>
</tr>
<tr>
<td>L</td>
<td>F</td>
<td>10</td>
<td>39.8–44.8</td>
</tr>
<tr>
<td>M</td>
<td>F</td>
<td>5</td>
<td>45.2–52.8</td>
</tr>
<tr>
<td>N</td>
<td>F</td>
<td>8</td>
<td>49.5–52.4</td>
</tr>
<tr>
<td>O</td>
<td>M</td>
<td>6</td>
<td>59.8–75.4</td>
</tr>
<tr>
<td>P</td>
<td>M</td>
<td>7</td>
<td>64.1–78.8</td>
</tr>
</tbody>
</table>
Appendix 3. Mean and maximum numbers of tracks 10 km\(^{-1}\) of transect and estimated density for populations of pine marten in Europe. Densities were calculated using Priklonsky's (1965) formula. In three locations (41°–49°N), densities were estimated by the authors of cited papers (Ryabov 1959, Baumgart 1977, Pelikan and Vackar 1978).

<table>
<thead>
<tr>
<th>Country</th>
<th>Latitude (N)</th>
<th>Longitude (E)</th>
<th>N tracks-10 km (^{-1}) of transect</th>
<th>Estimated marten density (N ind-10 km (^{-2}))</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mean</td>
<td>Maximum</td>
<td>Mean</td>
<td>Maximum</td>
<td></td>
</tr>
<tr>
<td>Russia</td>
<td>41°</td>
<td>42°</td>
<td>–</td>
<td>–</td>
<td>Ryabov 1959</td>
</tr>
<tr>
<td>France</td>
<td>48°</td>
<td>7°</td>
<td>–</td>
<td>–</td>
<td>Baumgart 1977</td>
</tr>
<tr>
<td>Slovakia</td>
<td>49°12’</td>
<td>16°22’</td>
<td>–</td>
<td>–</td>
<td>Pelikan and Vackar 1978</td>
</tr>
<tr>
<td>Russia</td>
<td>51°13’</td>
<td>41°44’</td>
<td>9.50</td>
<td>–</td>
<td>Volkov 1996</td>
</tr>
<tr>
<td>Poland</td>
<td>52°03’</td>
<td>23°54’</td>
<td>26.20</td>
<td>29.7</td>
<td>Zalewski et al. 1995</td>
</tr>
<tr>
<td>Russia</td>
<td>53°07’</td>
<td>56°59’</td>
<td>2.55</td>
<td>–</td>
<td>Volkov 1996</td>
</tr>
<tr>
<td>Russia</td>
<td>53°24’</td>
<td>57°57’</td>
<td>0.59</td>
<td>–</td>
<td>&quot;</td>
</tr>
<tr>
<td>Lithuania</td>
<td>54°10’</td>
<td>24°25’</td>
<td>8.00</td>
<td>–</td>
<td>Ulevicius and Juskaitis 2003</td>
</tr>
<tr>
<td>Russia</td>
<td>54°53’</td>
<td>57°37’</td>
<td>4.20</td>
<td>22.6</td>
<td>Volkov 1996</td>
</tr>
<tr>
<td>Russia</td>
<td>54°50’</td>
<td>43°20’</td>
<td>3.00</td>
<td>–</td>
<td>&quot;</td>
</tr>
<tr>
<td>Belarus</td>
<td>47°56’</td>
<td>50°00’</td>
<td>10.60</td>
<td>20.2</td>
<td>&quot;</td>
</tr>
<tr>
<td>Belarus</td>
<td>52°14’</td>
<td>23°59’</td>
<td>8.00</td>
<td>–</td>
<td>&quot;</td>
</tr>
<tr>
<td>Slovakia</td>
<td>49°12’</td>
<td>16°22’</td>
<td>–</td>
<td>–</td>
<td>&quot;</td>
</tr>
<tr>
<td>Poland</td>
<td>50°15’</td>
<td>23°54’</td>
<td>4.20</td>
<td>22.6</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

References


