## Cal/Ecotox

### Exposure Factors for Brush Rabbit (Sylvilagus bachmani)*

**Page 1**

<table>
<thead>
<tr>
<th>Endpoint Type</th>
<th>Endpoint Value</th>
<th>Error</th>
<th>Range</th>
<th>Units</th>
<th>Sex</th>
<th>Life Stage</th>
<th>Location</th>
<th>Note</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age at Sexual Maturity</td>
<td>1±</td>
<td></td>
<td>4 - 5</td>
<td>mo</td>
<td>B</td>
<td>Adult</td>
<td>CA</td>
<td>a</td>
<td>1</td>
</tr>
<tr>
<td>Age at Sexual Maturity</td>
<td>637</td>
<td>7</td>
<td>573 - 915</td>
<td>yr</td>
<td>M</td>
<td>Adult</td>
<td>OR</td>
<td>b</td>
<td>2</td>
</tr>
<tr>
<td>Body Weight - Mean</td>
<td>732.25</td>
<td>80.85 SD</td>
<td>66.73 SD</td>
<td>583</td>
<td>8</td>
<td>Adult</td>
<td>CA</td>
<td>c</td>
<td>3</td>
</tr>
<tr>
<td>Body Weight - Mean</td>
<td>649.50</td>
<td>62.89 SD</td>
<td>661.86</td>
<td>g</td>
<td>M</td>
<td>Adult</td>
<td>OR</td>
<td>d</td>
<td>4</td>
</tr>
<tr>
<td>Body Weight - Mean</td>
<td>24.3 - 30.2</td>
<td></td>
<td>661.47</td>
<td>g</td>
<td>M</td>
<td>Adult</td>
<td>OR</td>
<td>e</td>
<td>4</td>
</tr>
<tr>
<td>Body Weight - Mean</td>
<td>75.8</td>
<td>g</td>
<td>B</td>
<td>25.5</td>
<td>g</td>
<td>B</td>
<td>Juvenile</td>
<td>CA</td>
<td>f</td>
</tr>
<tr>
<td>Body Weight - Mean</td>
<td>23.8 - 27.3</td>
<td>2.67 - 3.27</td>
<td>3.5</td>
<td>3</td>
<td>young/litter</td>
<td>Adult</td>
<td>RA</td>
<td>g</td>
<td>1</td>
</tr>
<tr>
<td>Clutch or Litter Size</td>
<td>5 - 6</td>
<td></td>
<td>27</td>
<td>3</td>
<td>litters/yr</td>
<td>F</td>
<td>Adult</td>
<td>CA</td>
<td>h</td>
</tr>
<tr>
<td>Clutch or Litter Size</td>
<td>3 - 4</td>
<td></td>
<td>122.4</td>
<td>45.9 SD</td>
<td>ft</td>
<td>F</td>
<td>Adult</td>
<td>CA</td>
<td>i</td>
</tr>
<tr>
<td>Duration of Incubation or Gestation</td>
<td>69</td>
<td>8</td>
<td>149</td>
<td>38 - 569</td>
<td>ft</td>
<td>F</td>
<td>Adult</td>
<td>CA</td>
<td>j</td>
</tr>
<tr>
<td>Home Range</td>
<td>108.5</td>
<td>55.3 SD</td>
<td>115</td>
<td>100</td>
<td>ft</td>
<td>M</td>
<td>Adult</td>
<td>CA</td>
<td>k</td>
</tr>
<tr>
<td>Home Range</td>
<td>278</td>
<td>50 - 556</td>
<td>122.4</td>
<td>45.9 SD</td>
<td>ft</td>
<td>M</td>
<td>Adult</td>
<td>CA</td>
<td>l</td>
</tr>
<tr>
<td>Home Range</td>
<td>191</td>
<td>31 - 500</td>
<td>191</td>
<td>31.0</td>
<td>ft</td>
<td>M</td>
<td>Adult</td>
<td>CA</td>
<td>m</td>
</tr>
<tr>
<td>Population Density</td>
<td>2.3</td>
<td>#/acre</td>
<td>99.0</td>
<td>37.4 SD</td>
<td>B</td>
<td>Both Adult and Juvenile</td>
<td>CA</td>
<td>n</td>
<td>3</td>
</tr>
<tr>
<td>Population Density</td>
<td>0.9</td>
<td>#/acre</td>
<td>131</td>
<td>25.0 - 325</td>
<td>B</td>
<td>Both Adult and Juvenile</td>
<td>CA</td>
<td>o</td>
<td>3</td>
</tr>
<tr>
<td>Time of Mating/ Laying</td>
<td>Feb. - Aug.</td>
<td></td>
<td>151.0</td>
<td>77.3 SD</td>
<td>B</td>
<td>Juvenile</td>
<td>CA</td>
<td>p</td>
<td>7</td>
</tr>
<tr>
<td>Time of Mating/ Laying</td>
<td>Jan. - May</td>
<td></td>
<td>191</td>
<td>31.0</td>
<td>B</td>
<td>Adult</td>
<td>CA</td>
<td>q</td>
<td>7</td>
</tr>
<tr>
<td>Time of Mating/ Laying</td>
<td>B</td>
<td>Adult</td>
<td>CA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Endpoint Type</td>
<td>Endpoint Value</td>
<td>Error</td>
<td>Range</td>
<td>Units</td>
<td>Sex</td>
<td>Life Stage</td>
<td>Location</td>
<td>Note</td>
<td>Reference</td>
</tr>
<tr>
<td>---------------</td>
<td>----------------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-----</td>
<td>------------</td>
<td>----------</td>
<td>------</td>
<td>-----------</td>
</tr>
<tr>
<td>Time of Mating/ Laying</td>
<td>Feb. - May</td>
<td></td>
<td></td>
<td>M</td>
<td></td>
<td>Adult</td>
<td></td>
<td>ao</td>
<td>3</td>
</tr>
</tbody>
</table>

**Notes**

- **a** maturity based on presence of adult pelage; N=NR
- **b** maturity based on amount of sperm in epididymides; N=NR; E.E. Wilson Game Management Area, Corvallis
- **c** N=101; yr-round; Berkeley Hills; see citation for seasonal changes in body weights
- **d** N=45; Mar. - Aug.; E.E. Wilson Game Management Area, Corvallis; see citation for total length and liver, heart, spleen, kidney and adrenal weight data
- **e** N=38; Sept. - Feb.; E.E. Wilson Game Management Area, Corvallis; see citation for total length and liver, heart, spleen, kidney and adrenal weight data
- **f** N=76; yr-round; Berkeley Hills; see citation for seasonal changes in body weights
- **g** N=22; Mar.-Aug.; E.E. Wilson Game Management Area, Corvallis; see citation for total length and liver, heart, spleen, kidney and adrenal weight data
- **h** N=23; Sept. - Feb.; E.E. Wilson Game Management Area, Corvallis; see citation for total length and liver, heart, spleen, kidney and adrenal weight data
- **i** weight just prior to birth; N=NR
- **j** N=3; Age=14 d; Golden Gate Park, San Francisco; see citation for figure of changes in weight over time
- **k** N=5; Age=3 d; Golden Gate Park, San Francisco; see citation for figure of changes in weight over time
- **l** range of mean litter sizes over 2 yrs, based on embryo and placental scar counts; N=9-15/yr; E.E. Wilson Game Management Area, Corvallis
- **m** N=11
- **n** N=14
- **o** reported average of 9-16 young/female/yr (data source not specified); N=NR
- **p** estimated by dividing length of breeding season by gestation period or time required to produce a litter; N=NR; E.E. Wilson Game Management Area, Corvallis
- **q** estimated by dividing breeding season length by gestation time; N=NR
- **r** reported 3-4 litters per season (data source not specified); N=NR
- **s** N=NR
- **t** reported gestation period was 27 d (data source unspecified); N=NR
- **u** average radii drawn from computed center of activity to capture points; N=10; Apr.; Berkeley Hills; see citation for seasonal changes in home range
- **v** mean range diameter; N=31; Feb. - Aug.; Humboldt Bay
- **w** mean and range of one standard diameter, home range estimated by “center of activity” method; N=24; yr-round; E.E. Wilson Game Management Area, Corvallis
- **x** average radii drawn from computed center of activity to capture points; N=10; Apr.; Berkeley Hills; see citation for seasonal changes in home range
- **y** mean range diameter; N=32; Feb. - Aug.; Humboldt Bay
- **z** mean and range of one standard diameter, home range estimated by “center of activity” method; N=12; yr-round; E.E. Wilson Game Management Area, Corvallis
- **aa** see citation for home range allometry for 14 species of lagomorphs; N=NR
- **ab** mean range diameter; N=22; Feb. - Aug.; Humboldt Bay
- **ac** mean and range of one standard diameter, home range estimated by “center of activity” method; N=14; yr-round; E.E. Wilson Game Management Area, Corvallis
- **ad** mean range diameter; N=17; Feb. - Aug.; Humboldt Bay
- **ae** mean and range of one standard diameter, home range estimated by “center of activity” method; N=9; yr-round; E.E. Wilson Game Management Area, Corvallis
- **af** reported home range for males was 957m2 for males and 244 m2 for females (from unpublished reports); N=NR; Caswell Memorial State Park
- **ag** longest recorded life span; N=NR; Berkeley Hills
- **ah** N=26; Sept.; Berkeley Hills
- **ai** N=10; Apr.; Berkeley Hills
- **aj** reported overall population density at carrying capacity is 3 animals/ha (from unpublished reports); N=NR; Caswell Memorial State Park
- **ak** time of breeding; N=87; E.E. Wilson Game Management Area, Corvallis
- **al** time of mating; N=NR
- **am** reported breeding season occurs from January to May (from unpublished reports); N=NR; Caswell Memorial State Park
- **an** N=NR
- **ao** time of breeding; N=NR; Berkeley Hills

**References**


*Cal/EPa, OEHHa and the University of California Regents are not responsible for damages of any kind resulting from the use of or reliance on information in this report. Users are encouraged to consult the original data. Updated: February 1999.