

Cal/Ecotox Exposure Factors for Brush Rabbit (*Sylvilagus bachmani*)*

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Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Age at Sexual Maturity			4 - 5	mo	B	Adult	CA	a	1
Age at Sexual Maturity	1+			yr	M	Adult	OR	b	2
Body Weight - Mean	637	7		g	F	Adult	CA	c	3
Body Weight - Mean	732.25	80.85 SD	573 - 915	g	F	Adult	OR	d	4
Body Weight - Mean	661.47	66.73 SD	560 - 793	g	F	Adult	OR	e	4
Body Weight - Mean	583	8		g	M	Adult	CA	f	3
Body Weight - Mean	649.50	62.89 SD	511 - 797	g	M	Adult	OR	g	4
Body Weight - Mean	661.86	62.68 SD	525 - 741	g	M	Adult	OR	h	4
Body Weight - Mean			24.3 - 30.2	g	B	Embryo	Alameda; Contra Costa; Lake; Marin; Napa; CA	i	5
Body Weight - Mean	75.8			g	B	Juvenile	CA	j	6
Body Weight - Mean	25.5		23.8 - 27.3	g	B	Juvenile	CA	k	6
Clutch or Litter Size			2.67 - 3.27	young/litter	F	Adult	OR	l	2
Clutch or Litter Size	3.5		2 - 6	young/litter	F	Adult	CA	m	1
Clutch or Litter Size	4		3 - 6	young/litter	F	Adult	Alameda; Contra Costa; Lake; Marin; Napa; CA	n	5
Clutch or Litter Size	review				F	Adult	CA	o	7
Clutches or Litters per year			5 - 6	litters/yr	F	Adult	OR	p	2
Clutches or Litters per year			3 - 4	litters/yr	F	Adult	Alameda; Contra Costa; Lake; Marin; Napa; CA	q	5
Clutches or Litters per year	review				F	Adult	CA	r	7
Duration of Incubation or Gestation	27	3		d	F	Adult	Alameda; Contra Costa; Lake; Marin; Napa; CA	s	5
Duration of Incubation or Gestation	review				F	Adult	CA	t	7
Home Range	69	8		ft	F	Adult	CA	u	3
Home Range	149		38 - 569	ft	F	Adult	Humboldt; CA	v	8
Home Range	108.5	55.3 SD	30.4 - 233.6	ft	F	Adult	OR	w	9
Home Range	115	10		ft	M	Adult	CA	x	3
Home Range	278		50 - 556	ft	M	Adult	Humboldt; CA	y	8
Home Range	122.4	45.9 SD	63.5 - 237.2	ft	M	Adult	OR	z	9
Home Range	review				NR	Adult		aa	10
Home Range	191		31 - 500	ft	F	Juvenile	Humboldt; CA	ab	8
Home Range	99.0	37.4 SD	41.3 - 158.3	ft	F	Juvenile	OR	ac	9
Home Range	131		25 - 325	ft	M	Juvenile	Humboldt; CA	ad	8
Home Range	151.0	77.3 SD	35.7 - 306.4	ft	M	Juvenile	OR	ae	9
Home Range	review				B	NR	CA	af	7
Longevity	3.5			yr	B	Adult	CA	ag	3
Population Density	2.3			#/acre	B	Both Adult and Juv.	CA	ah	3
Population Density	0.9			#/acre	B	Both Adult and Juv.	CA	ai	3
Population Density	review				B	NR	CA	aj	7
Time of Mating/ Laying	Feb. - Aug.				B	Adult	OR	ak	2
Time of Mating/ Laying	Jan. - May				B	Adult	Alameda; Contra Costa; Lake; Marin; Napa; CA	al	5
Time of Mating/ Laying	review				B	Adult	CA	am	7
Time of Mating/ Laying	review				B	Adult		an	11

Exposure Factors for Brush Rabbit (*Sylvilagus bachmani*)

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Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Time of Mating/ Laying	Feb. - May				M	Adult	CA	ao	3

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

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