Cal/Ecotox
Exposure Factors for Western Fence Lizard (Sceloporus occidentalis)*

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Age at Sexual Maturity	22-23			mo	B	Adult	Monterey; CA	a	1
Age at Sexual Maturity	20			mo	B	Adult	CA	b	2
Age at Sexual Maturity	1-2			yrs	F	Adult	Los Angeles; CA	c	3
Body Fat (total or %)	see citation				B	Adult	CA	d	2
Body Weight - Mean	11.9	0.6SE		g	B	Adult	CA	e	4
Body Weight - Mean	11.5	0.4SE		g	B	Adult	CA	f	4
Body Weight - Mean			10.56 - 14.53	g	M	Adult	CA	g	5
Body Weight - Mean	13.8			g	NR	Adult	CA	h	6
Body Weight - Mean	13.1		9.5 - 18.0	g	NR	Adult	Orange; Riverside; CA	i	7
Body Weight - Mean	11.1			g	NR	Adult	Los Angeles; CA	j	8
Body Weight - Mean	15.3			g	NR	Adult	Los Angeles; CA	k	8
Body Weight - Mean	14.4	0.90SD		g	NR	Adult	Napa; Santa Clara; CA	l	9
Body Weight - Mean	BW = 2.72 - 0.21(SVL) + 0.0049(SVL)^2			g	F	Both Adult and Juv.	Monterey; CA	m	10
Body Weight - Mean	BW = 4.44 - 0.31(SVL) + 0.0062(SVL)^2			g	M	Both Adult and Juv.	Monterey; CA	n	10
Body Weight - Mean			0.567 - 0.712	g	B	Hatchling	Lab	o	11
Body Weight - Mean	4.4	0.5SE		g	NR	Juvenile	CA	p	4
Body Weight - Mean	8.61	4.26SD		g	F	NR	CA	q	12
Body Weight - Mean	8.08	3.76SD		g	F	NR	CA	r	12
Body Weight - Mean	11.31	3.88SD		g	M	NR	CA	s	12
Body Weight - Mean	9.64	3.95SD		g	M	NR	CA	t	12
Body Weight - Mean			4.5 - 16.4	g	NR	NR	San Diego; CA	u	13
Clutch or Litter Size	8.2		7-9	eggs/clutch	F	Adult	CA	v	4
Clutch or Litter Size	13.7		9-18	eggs/clutch	F	Adult	CA	w	14
Clutch or Litter Size	7.23	3.30SD		eggs/clutch	F	Adult	Los Angeles; CA	x	8
Clutch or Litter Size	8.70	2.0 SD		eggs/clutch	F	Adult	Los Angeles; CA	y	8
Clutch or Litter Size			4-16	eggs/clutch	F	Adult	Los Angeles; CA	z	3
Clutch or Litter Size	CS = 0.378SVL - 17.04			eggs/clutch	F	Adult	Los Angeles; CA	aa	3
Clutch or Litter Size	11.3	0.41SE		eggs/clutch	F	Adult	CA	ab	2
Clutch or Litter Size			5 -14	eggs/clutch	F	Adult	CA	ac	15
Clutch or Litter Size	CS = 0.261(SVL) - 10			eggs/clutch	F	Adult	Monterey; CA	ad	10
Clutch or Litter Size	7.50	0.62	4-11	eggs/clutch	F	Adult	San Diego; CA	ae	16
Clutch or Litter Size	7.00	0.50	4-10	eggs/clutch	F	Adult	San Diego; CA	af	16
Clutch or Litter Size	6.50	0.53	5-10	eggs/clutch	F	Adult	Kern; CA	ag	16
Clutch or Litter Size	8.50	0.32	5-10	eggs/clutch	F	Adult	Kern; CA	ah	16
Clutches or Litters per year	1			clutches/yr	F	Adult	CA	ai	14
Clutches or Litters per year	1-2			clutches/yr	F	Adult	Los Angeles; CA	aj	8
Clutches or Litters per year	1-3			clutches/yr	F	Adult	Los Angeles; CA	ak	8
Clutches or Litters per year	1-3			clutches/yr	F	Adult	Los Angeles; CA	al	3
Clutches or Litters per year			1-2	clutches/yr	F	Adult	CA	am	2
Dietary Composition	Thysanura (0.5%); Collembola (1.0%); Dermaptera (0.5%); Orthoptera (37.1%); Isoptera (6.2%); Ephemeroptera (0.5%); Plecoptera (2.9%); Homoptera (5.7%); Hemiptera (27.6%); Coleoptera (42.4%); Diptera (47.1%); Lepidoptera (18.1%);			%	B	Adult	Lake; Marin; Mendocino; Napa; San Mateo; Shasta; Sonoma; Tehama; Trinity; CA	an	17

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	Hymenoptera (20.9%); Isopoda (2.4%); Chilopoda (0.5%); Araneida (19.0%); Acarina (1.0%); S. occidentalis (1.4%)								
Dietary Composition	Formicidae (34.8-34.1%); Coleoptera (18.1-26.4%); Isoptera (19.8-17.2%); Hemiptera-Homoptera (5.0-8.1%); Non-formicid Hymenoptera (5.6-6.5%); Diptera (0.5-1.4%); Orthoptera (1.7-2.6%); Odonata (0.0-0.3%); Dermaptera (0.0-1.3%); Insect larvae (2.8-4.8%); Isopoda (0.0-1.4%); Arancae (1.6-2.8%); Land snails (0.0-0.5%); Sceloporus hatchlings (0.0-0.1%) and Unknown (1.4-2.0%)			%	NR	Adult	Napa; Santa Clara; CA	ao	18
Dietary Composition	insecta (97%); arachnida (0.8%); plants (0.3%); unidentified (1.6%)			%	NR	Both Adult and Juv.	NV	ap	19
Dietary Composition	Aranea (8%); Coleoptera (12%); Lepidoptera (80%)			%	NR	NR	El Dorado; Siskiyou; Yuba; CA	aq	20
Dietary Composition	Orthoptera (52.1%); Coleoptera (18.1%); Hymenoptera (10.6%); Hemiptera (2.0%); Homoptera (0.1%); Lepidoptera (5.5%); Araneida (2.7%)			%	NR	NR	OR	ar	21
Dietary Composition	review				NR	NR		as	22
Duration of Incubation or Gestation	53			d	B	Embryo	CA	at	2
Duration of Incubation or Gestation	59			d	B	Embryo	CA	au	2
Duration of Incubation or Gestation	13			wks	NR	Embryo	Los Angeles; CA	av	3
Duration of Incubation or Gestation	see citation				NR	Embryo	Lab	aw	15
Food Ingestion Rate	127			mg	B	NR	CA	ax	12
Food Ingestion Rate	245			mg	B	NR	CA	ay	12
Food Ingestion Rate	SCW = 0.46(BW)^0.63			mg	B	NR	CA	az	12
Food Ingestion Rate	249	180SD		mg	F	NR	CA	ba	12
Food Ingestion Rate	219	182SD		mg	F	NR	CA	bb	12
Food Ingestion Rate	213	130SD		mg	M	NR	CA	bc	12
Food Ingestion Rate	223	171SD		mg	M	NR	CA	bd	12
Growth Rate			0.0627 - 0.0852	g/d	B	Hatchling	Lab	be	11
Growth Rate	see citation			g/d	NR	Hatchling	Lab	bf	15
Growth Rate			0.004 - 0.009	mm/d	F	Juvenile	Monterey; CA	bg	10
Growth Rate			0.016 - 0.019	mm/d	M	Juvenile	Monterey; CA	bh	10
Home Range	76.50			m2	F		Monterey; CA	bi	23
Home Range	76.25			m2	F		Monterey; CA	bj	23
Home Range	131.92			m2	M		Monterey; CA	bk	23
Home Range	120.96			m2	M		Monterey; CA	bl	23
Home Range	61.20			m2	F	Adult	Monterey; CA	bm	23
Home Range	51.26			m2	F	Adult	Monterey; CA	bn	23
Home Range	71.40			m2	M	Adult	Monterey; CA	bo	23
Home Range	73.10			m2	M	Adult	Monterey; CA	bp	23

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Home Range			13.7 - 21.1	m2	M	Adult	CA	bq	24
Home Range	19.64			m2	F	Juvenile	Monterey; CA	br	23
Home Range	49.98			m2	M	Juvenile	Monterey; CA	bs	23
Longevity	6			yr	NR	Adult	CA	bt	14
Metabolic Rate	0.185	0.015SE		ml CO2/g/hr	B	Adult	CA	bu	4
Metabolic Rate	0.049	0.006SE		ml CO2/g/hr	B	Adult	CA	bv	4
Metabolic Rate	0.192	0.017SE		ml CO2/g/hr	B	Adult	CA	bw	4
Metabolic Rate	0.220	0.019SE		ml CO2/g/hr	B	Adult	CA	bx	4
Metabolic Rate	0.035	0.002SE		ml CO2/g/hr	B	Adult	CA	by	4
Metabolic Rate	0.198	0.034SE		ml CO2/g/hr	B	Adult	CA	bz	4
Metabolic Rate	OC = 0.23(BW)^0.67			ml O2/g/hr	B	Adult	CA	ca	25
Metabolic Rate			1.4495 - 2.6605	ml O2/hr	M	Adult	Lab	cb	5
Metabolic Rate			0.2032 - 0.3652	ml O2/hr	M	Adult	Lab	cc	5
Metabolic Rate			0.0934 - 0.1431	ml O2/hr	M	Adult	Lab	cd	5
Metabolic Rate	20			ul O2/g/hr	NR	Adult	CA	ce	6
Metabolic Rate	Log OC = 0.044T + 0.64			ul O2/g/hr	NR	Adult	CA	cf	6
Metabolic Rate	0.422 (20C); 0.783 (25C); 1.120 (30C); 1.315 (35C); 1.253 (40C)			cm3 O2/g/hr	NR	Adult	Orange; Riverside; CA	cg	7
Metabolic Rate	see citation			cc O2/g/hr	NR	Adult	Orange; Riverside; CA	ch	7
Metabolic Rate	0.300	0.052SE		ml CO2/g/hr	NR	Juvenile	CA	ci	4
Metabolic Rate	0.052	0.012SE		ml CO2/g/hr	NR	Juvenile	CA	cj	4
Metabolic Rate	0.24		0.20-0.28	cc O2/g/hr	NR	NR	San Diego; CA	ck	13
Metabolic Rate	OC = 1.76W^0.68			cc O2/g/hr	NR	NR	Lab	cl	26
Metabolic Rate	OC = 1.17W^0.64			cc O2/g/hr	NR	NR	Lab	cm	26
Metabolic Rate	OC = 1.66W^0.57			cc O2/g/hr	NR	NR	Lab	cn	26
Metabolic Rate	OC = 0.52W^0.54			cc O2/g/hr	NR	NR	Lab	co	26
Time of Hatching or Parturition	Aug. - Oct.				B	Hatchling	CA	cp	2
Time of Hatching or Parturition	see citation				B	Hatchling	Los Angeles; San Bernardino; CA	cq	11
Time of Hatching or Parturition	July - Sept.				B	Hatchling	Monterey; CA	cr	10
Time of Hatching or Parturition	July - Sept.				NR	Hatchling	Monterey; CA	cs	27
Time of Hatching or Parturition	July - Sept.				NR	Hatchling	CA	ct	14
Time of Hatching or Parturition	July				NR	Hatchling	Los Angeles; CA	cu	8
Time of Hatching or Parturition	Aug.				NR	Hatchling	Los Angeles; CA	cv	8
Time of Hatching or Parturition	July - Oct.				NR	Hatchling	Los Angeles; CA	cw	3
Time of Mating/ Laying	Apr. - June				B	Adult	Monterey; CA	cx	27
Time of Mating/ Laying	May-June (begin)				B	Adult	CA	cy	2
Time of Mating/ Laying	June - July				B	Adult	CA	cz	2
Time of Mating/ Laying	Apr. (begin)				B	Adult	CA	da	2

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Time of Mating/ Laying	May - July				F	Adult	Monterey; CA	db	27
Time of Mating/ Laying	Apr. - July				F	Adult	Los Angeles; CA	dc	3
Time of Mating/ Laying	see citation				F	Adult	Los Angeles; San Bernardino; CA	dd	11
Time of Torpor or Hibernation	Nov. - Mar.				NR	Adult	Los Angeles; CA	de	8
Time of Torpor or Hibernation	Nov.-Feb.				NR	Adult	Los Angeles; CA	df	8
Time of Torpor or Hibernation	Sept. - Apr.				B	Both Adult and Juv.	CA	dg	2
Time of Torpor or Hibernation	Sept. - May or June				B	Both Adult and Juv.	CA	dh	2
Time of Torpor or Hibernation	Nov.-Mar.				NR	Both Adult and Juv.	CA	di	6
Time of Torpor or Hibernation	Nov-Dec. (begin)				NR	Both Adult and Juv.	Monterey; CA	dj	1
Time of Torpor or Hibernation	Nov. - Mar.				NR	Both Adult and Juv.	CA	dk	14

Notes

a N=NR; Hastings Reservation, Carmel Valley
b N=NR; central Sierra Nevada (elev., 1500 or 2200m)
c N=NR; Puente Hills and San Gabriel River, Whittier
d figure of seasonal changes in total body fat; N=9-44 animals/mo; Apr. - Sept.; central Sierra Nevada (elev., 1500 or 2200m)
e N=11; spring (May); Ecology Research Area, University of California, Los Angeles
f N=20; fall (Sept.); Ecology Research Area, University of California, Los Angeles
g range of means for 6 monthly sampling periods; mean snout-vent length range, 68.5 - 76.8 mm; N=7-12 animals/month; Jan. - Nov.; Chatsworth [lat., 34^o25' N]; see citation for figure of regression of body mass on snout-vent length
h N=8; Condition=hibernating; Victorville
i N=65; Apr.-May; mean snout-vent length = 74mm, range = 68-80mm
j average snout-vent length = 67mm; N=NR; Feb. - Nov.; Puente Hills, Whittier (elev., 150 m)
k average snout-vent length = 75mm; N=NR; Feb. - Nov.; San Gabriel Mountains, Crystal Lake (elev., 1584 m)
l N=56; summer; Blackbird Valley (elev., 855-975m) and Foss Valley (elev., 436m); see citation for figure of snout-vent length to weight relationship
m equation relating body weight (BW; g) to snout-vent length (SVL; mm); N=58; Condition=non-breeding; Hastings Reservation
n equation relating body weight (BW; g) to snout-vent length (SVL; 20 - 80mm); N=101; Hastings Reservation; see citation for figures depicting relationship between weight and SVL and between SVL and season
o range of means; N=52 - 73; Age=3 d
p N=5; spring (May); Ecology Research Area, University of California, Los Angeles
q average snout-vent length = 62.67 mm; N=184 animals; Feb. - Oct.; yellow pine forest (elev., 1500m), central Sierra Nevada
r average snout-vent length = 62.99 mm; N=194 animals; Feb. - Oct.; valley grassland (elev., 150m), central Sierra Nevada
s average snout-vent length = 68.05 mm; N=256 animals; Feb. - Oct.; yellow pine forest (elev., 1500m), central Sierra Nevada
t mean snout-vent length = 66.35mm; N=295 animals; Feb. - Oct.; valley grassland (elev., 150m), central Sierra Nevada
u N=60; U.S. International University Campus
v N=NR; Ecology Research Area, University of California, Los Angeles; mean dry mass = 1.23 g/clutch (range = 1.08-1.51g)
w estimated by number of developing ova; N=7; May-June; Strawberry Canyon, Berkeley Hills
x N=43; Puente Hills, Whittier (elev., 150 m)
y N=41; San Gabriel Mountains, Crystal Lake (elev., 1584 m)
z N=49; Puente Hills and San Gabriel River, Whittier
aa regression equation relating clutch size (CS; # eggs/oviduct) to snout-vent length (SVL, mm) of female.
; N=49; Puente Hills and San Gabriel River, Whittier
ab N=48; yellow pine forest, central Sierra Nevada (elev., 1500m)
ac N=39 - 59; Table Mountain, Wrightwood (elev., 2200m) and Mojave desert, Pearblossom (elev., 1330m); see citation for figures showing distribution of clutch size and egg mass
ad regression equation relating clutch size(CS) to female snout-vent length (SVL; mm); N=27; Hastings Reservation; see citation for figure depicting clutch size to SVL relationship
ae N=10; "montane" habitat, (elev., 1830m)
af N=8; "lowland" habitat
ag N=8; "lowland" habitat

ah	N=16; "montane" habitat (elev., 1528m)
ai	N=93; Strawberry Canyon, Berkeley Hills
aj	N=NR; San Gabriel Mountains, Crystal Lake (elev., 1584 m)
ak	N=NR; Puente Hills, Whittier (elev., 150 m)
al	N=118; Puente Hills and San Gabriel River, Whittier
am	N=NR; central Sierra Nevada (elev., 1500 or 2200m)
an	percent of lizards in which prey type occurred in stomach contents; N=210; Apr. - Oct.; oak-grassland and creosote bush-rocky moutain terrain
ao	percentage of total individuals of various prey taxa in stomach contents.; N=45-47 animals/site; June - Oct.; Blackbird Valley and Foss Valley
ap	% of total food dry weight, based on stomach contents; N=18; Sept.-Oct.; southern Washoe County (elev., 1150-1450m)
aq	estimated percent of total volume of stomach contents; N=3; July - Aug.; Blodgett Research Forest (elev., 1250-1310m), Challenge (elev., 760-910m) and McCloud Flat, Shasta-Trinity Forest (elev., 1160m)
ar	% volume in stomach contents; N=39; May-Sept.; Owyhee Upland Province; see citation for detailed list of prey items (family level)
as	N=NR
at	N=NR; yellow pine forest, central Sierra Nevada (elev., 2200m)
au	N=NR; yellow pine forest, central Sierra Nevada (elev., 1500m)
av	N=NR; Puente Hills and San Gabriel River, Whittier
aw	figure of relationship between egg mass and incubation time; N=NR
ax	estimated average stomach content fresh weight in 5 g lizard; N=NR; central Sierra Nevada (elev., 150m and 1500m)
ay	estimated average stomach content fresh weight in a 15 g lizard; N=NR; central Sierra Nevada (elev., 150m and 1500m)
az	equation relating stomach content fresh weight (SCW; mg) to body weight (BW; g); N=920 animals; Feb. - Oct.; yellow pine forest (elev., 1500m) and valley grassland (elev., 150m), central Sierra Nevada; see citation for figures depicting seasonal changes in stomach content weight
ba	mean measured stomach content fresh weight of lizard averaging 8.1 g; N=194; Feb. - Oct.; valley grassland (elev., 150m), central Sierra Nevada
bb	mean measured stomach content fresh weight of lizard averaging 8.6 g; N=184 animals; Feb. - Oct.; yellow pine forest (elev., 1500m), central Sierra Nevada
bc	mean measured stomach content fresh weight of lizards averaging 9.6 g; N=295; Feb. - Oct.; valley grassland (elev., 150m), central Sierra Nevada
bd	mean measured stomach content fresh weight of lizard averaging 11.3 g; N=256 animals; Feb. - Oct.; yellow pine forest (elev., 1500m), central Sierra Nevada
be	range of means of absolute growth rates; N=NR; Age=3 d to 3 wks; see citation for relationship between growth rate and access to radiant energy or food limitation
bf	figure of relationship between mass-specific growth rate and hatchling mass; N=NR
bg	range of mean winter daily growth rates estimated by changes in snout-vent length for 2 years; snout-vent length range, 33.0 - 36.5 mm; N=6-14 animals/yr; Nov. - Feb.; Hastings Reservation; see citation for table of greatest snout-vent lengths recorded for individuals from juveniles to 5 yrs of age
bh	range of mean winter daily growth rates estimated by changes in snout-vent length for 2 years; snout-vent length range, 35.1 - 37.3 mm; N=7-10 animals/yr; Nov. - Feb.; Hastings Reservation; see citation for table of greatest snout-vent lengths recorded for individuals from juveniles to 5 yrs of age
bi	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=37 animals; Age=1 yr; Condition=nonbreeding; July-Oct.; Hastings Natural History Reservation, Carmel Valley
bj	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=48 animals; Age=1 yr; Condition=breeding; July-Oct.; Hastings Natural History Reservation, Carmel Valley
bk	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=36 animals; Age=1 yr; Condition=nonbreeding; July-Oct.; Hastings Natural History Reservation, Carmel Valley
bl	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=23 animals; Age=1 yr; Condition=breeding; July-Oct.; Hastings Natural History Reservation, Carmel Valley
bm	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=10 animals; Age=2+ yr; Condition=nonbreeding; July-Oct.; Hastings Natural History Reservation, Carmel Valley
bn	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=28 animals; Age=2+ yr; Condition=breeding; Apr.-June; Hastings Natural History Reservation, Carmel Valley
bo	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=11 animals; Age=2+ yr; Condition=breeding; Apr.-June; Hastings Natural History Reservation, Carmel Valley
bp	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=14 animals; Age=2+ yr; Condition=nonbreeding; July-Oct.; Hastings Natural History Reservation, Carmel Valley
bq	N=24; Condition=breeding; May - July; Hopland Field Station (160 km N of San Francisco); according to authors, method may underestimte home range size of subordinate or less mobile individuals
br	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=103 animals; Age=< 1yr; July-Oct.; Hastings Natural History Reservation, Carmel Valley

bs	home range reported as minimum area probability (0.95 level); minimum area which will contain a given proportion (95%) of the total observations of the average individual; N=87 animals; Age=< 1yr; July-Oct.; Hastings Natural History Reservation, Carmel Valley
bt	oldest tagged individual; N=93; Strawberry Canyon, Berkeley Hills
bu	resting metabolic rate at 35C, estimated as carbon dioxide production rate; N=11; Condition=reproductively active; spring (May); Ecology Research Area, University of California, Los Angeles
bv	resting metabolic rate at 20C, estimated as carbon dioxide production rate; N=11; Condition=reproductively inactive ; fall (Sept.); Ecology Research Area, University of California, Los Angeles
bw	resting metabolic rate at 35C, estimated as carbon dioxide production rate; N=19; Condition=reproductively inactive ; fall (Sept.); Ecology Research Area, University of California, Los Angeles
bx	field metabolic rate estimated by carbon dioxide production, using doubly labelled water; N=11; Condition=reproductively active; spring (May); Ecology Research Area, University of California, Los Angeles
by	resting metabolic rate at 18.5C, estimated as carbon dioxide production rate; N=11; Condition=reproductively active; spring (May); Ecology Research Area, University of California, Los Angeles
bz	field metabolic rate estimated by carbon dioxide production, using doubly labelled water; N=11; Condition=reproductively inactive ; fall (Sept.); Ecology Research Area, University of California, Los Angeles
ca	equation for relating resting oxygen consumption (OC; ml O2/hr) to body mass (BW; g) @ 25C; N=154 animals; Sierra Nevada (elev., 150 and 1500 m); measured in lab on newly captured lizards
cb	range of means of whole-body standard metabolic rate estimated by oxygen consumption at 35C for 6 monthly measurements on lizards captured less than 3 d; N=7-12 animals/month; Jan. - Nov.; captured at Chatsworth [lat., 34^o25' N]; see citation for seasonal changes in standard metabolic rate; lizard body weight range = 10.56 - 14.53 g
cc	range of means of whole body standard metabolic rate estimated by oxygen consumption at 16C for 6 monthly measurements on lizards captured less than 3 d; N=7-12 animals/month; Jan. - Nov.; captured at Chatsworth [lat., 34^o25' N]; see citation for figure of seasonal changes in standard metabolic rate; lizard body weight range = 10.56 - 14.53 g
cd	range of means of whole animal standard metabolic rate estimated by oxygen consumption at 10C for 6 monthly measurements on lizards captured less than 3 d; N=7-12 animals/month; Jan. - Nov.; captured at Chatsworth [lat., 34^o25' N]; see citation for figure of seasonal changes in standard metabolic rate; lizard body weight range = 10.56 - 14.53 g
ce	oxygen consumption measured at 15C; N=8; Condition=hibernating; Victorville
cf	regression equation for oxygen consumption (OC in ul O2/g/hr; log base 10) at various temperatures (T, 0 - 15 C); N=5-8/temperature; Condition=hibernating; Nov. - Mar.; Victorville; measured in the laboratory on newly captured lizards
cg	"aerobic increment during activity"; mean oxygen consumption during 2 minutes of burst activity at various temperatures (20-40C); N=5-8 animals/temperature; Apr.-May
ch	figure of standard metabolic rate measured as resting oxygen consumption at various temperatures (20-40C); N=31; Apr.-May; animals in captivity < 1 week
ci	resting metabolic rate at 35C, estimated as carbon dioxide production rate; N=4; spring (May); Ecology Research Area, University of California, Los Angeles
cj	resting metabolic rate at 18.5C, estimated as carbon dioxide production rate; N=4; spring (May); Ecology Research Area, University of California, Los Angeles
ck	oxygen consumption measured in laboratory at 23C on newly caught (1 wk) lizards; N=20; U.S. International University Campus
cl	equation relating resting oxygen consumption (OC) to body weight (W, g) at 40C; N=2-5/weight group; body weight range = 1.8 - 17.0 g
cm	equation relating resting oxygen consumption (OC) to body weight (W, g) at 30C; N=2-5/weight group; body weight range = 1.8 - 17.0 g
cn	equation relating resting oxygen consumption (OC) to body weight (W, g) at 35C; N=2-5/weight group; body weight range = 1.8 - 17.0 g
co	equation relating resting oxygen consumption (OC) to body weight (W, g) at 20C; N=2-5/weight group; body weight range = 1.8 - 17.0 g
cp	time of hatching; N=NR; central Sierra Nevada (elev., 1500 or 2200m)
cq	figure; N=NR; Valyermo (elev., 1300m) [lat., 34^o27'N; long., 117^o45'W], Wrightwood (elev., 2200m) [lat., 34^o23'N; long., 117^o40' W], Throop Peak (elev., 2600m) [lat., 34^o22'N; long., 117^o48'W]
cr	N=NR; Hastings Reservation
cs	time when hatchlings appeared at study site; N=NR; Hastings Reservation, Carmel Valley (elev., 550m)
ct	N=93; Strawberry Canyon, Berkeley Hills
cu	N=NR; Puente Hills, Whittier (elev., 150 m)
cv	N=NR; San Gabriel Mountains, Crystal Lake (elev., 1584 m)
cw	based on presence of hatchlings at study sites; N=NR; Puente Hills and San Gabriel River, Whittier
cx	time of mating, based on observations of copulation and courtship behavior; N=NR; Hastings Reservation, Carmel Valley (elev., 550m)
cy	time of mating; N=NR; central Sierra Nevada (elev., 2200m)
cz	time of laying; N=NR; central Sierra Nevada (elev., 1500 or 2200m)
da	time of mating; N=NR; yellow pine forest, central Sierra Nevada (elev., 1500m)
db	time of laying, estimated from assumed incubation period of 60d; N=NR; Hastings Reservation, Carmel Valley (elev., 550m)
dc	time of mating and laying; N=118; Puente Hills and San Gabriel River, Whittier
dd	figure of time of egg laying; N=NR; Valyermo (elev., 1300m) [lat., 34^o27'N; long., 117^o45'W], Wrightwood (elev., 2200m) [lat., 34^o23'N; long., 117^o40' W], Throop Peak (elev., 2600m) [lat., 34^o22'N; long., 117^o48'W]
de	N=NR; San Gabriel Mountains, Crystal Lake (elev., 1584 m)
df	N=NR; Puente Hills, Whittier (elev., 150 m)
dg	N=NR; yellow pine forest, central Sierra Nevada (elev., 1500m)
dh	N=NR; red fir forest, Donner Summit, central Sierra Nevada (elev., 2200m)

di hibernation duration approximates 100 d; N=>12; Victorville
dj N=NR; Hastings Reservation, Carmel Valley
dk N=93; Strawberry Canyon, Berkeley Hills

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