Cal/Ecotox
Exposure Factors for Sideblotched Lizard (Uta stansburiana)*

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Age at Sexual Maturity	1			yr	B	Adult	ID	a	1
Age at Sexual Maturity			9-12 or 20-22	mo	B	Adult	OR	b	2
Age at Sexual Maturity			10 - 12	mo	B	Adult	TX	c	3
Age at Sexual Maturity	10			mo	F	Adult	Los Angeles; CA	d	4
Body Weight - Mean	2.4	0.4 SE		g	B	Adult	MEXICO	e	5
Body Weight - Mean			1.84 - 3.66	g	B	Adult	OR	f	2
Body Weight - Mean			3.06 - 4.84	g	F	Adult	NV	g	6
Body Weight - Mean			2.44 - 5.27	g	F	Adult	TX	h	7
Body Weight - Mean			3.30 - 6.70	g	M	Adult	TX	i	7
Body Weight - Mean			0.17 - 0.27	g	B	Embryo	TX	j	7
Body Weight - Mean			0.166 - 0.245	g	NR	Embryo	OR	k	2
Body Weight - Mean	0.42			g	NR	Embryo	Contra Costa; CA	l	8
Body Weight - Mean	0.38			g	NR	Embryo	Stanislaus; CA	m	8
Body Weight - Mean	0.35			g	NR	Embryo	Merced; CA	n	8
Body Weight - Mean			0.30 - 2.57	g	F	Juvenile	TX	o	7
Body Weight - Mean			0.29 - 3.96	g	M	Juvenile	TX	p	7
Clutch or Litter Size	3.75			eggs/clutch	F	Adult	ID	q	1
Clutch or Litter Size			3.99 - 4.43	eggs/clutch	F	Adult	TX	r	9
Clutch or Litter Size	3.50			eggs/clutch	F	Adult	CA	s	10
Clutch or Litter Size	3.5		1-6	eggs/clutch	F	Adult	Los Angeles; CA	t	4
Clutch or Litter Size			2.65 - 4.40	eggs/clutch	F	Adult	NV	u	6
Clutch or Litter Size	3.33	0.08 SE	2 - 5	eggs/clutch	F	Adult	OR	v	2
Clutch or Litter Size			3.31 - 4.48	eggs/clutch	F	Adult	AZ; TX	w	11
Clutch or Litter Size			2.85 - 4.82	eggs/clutch	F	Adult	OR; UT	x	11
Clutch or Litter Size	3.75	0.25	3 - 5	eggs/clutch	F	Adult	NM	y	12
Clutch or Litter Size	2.5	0.38	2 - 3	eggs/clutch	F	Adult	NM	z	12
Clutch or Litter Size	6.3			eggs/female	F	Adult	Merced; CA	aa	8
Clutch or Litter Size	4.3			eggs/female	F	Adult	Stanislaus; CA	ab	8
Clutch or Litter Size	4.6			eggs/female	F	Adult	Contra Costa; CA	ac	8
Clutch or Litter Size	4			eggs/female	F	Adult	TX	ad	3
Clutch or Litter Size			0.46 - 3.20	eggs/clutch	F	Adult	NV	ae	13
Clutch or Litter Size			0.60 - 4.50	eggs/clutch	F	Adult	NV	af	13
Clutch or Litter Size	3.2			eggs/clutch	F	Adult	CO	ag	7
Clutch or Litter Size			2.8 - 4.7	eggs/clutch	F	Adult	TX	ah	7
Clutch or Litter Size			2.4 - 4.5	eggs/clutch	F	Adult	NV	ai	14
Clutches or Litters per year			1-2	clutches/yr	F	Adult	ID	aj	1
Clutches or Litters per year			1-3	clutches/yr	F	Adult	Los Angeles; CA	ak	4
Clutches or Litters per year			2 - 7	clutches/yr	F	Adult	NV	al	6
Clutches or Litters per year			1- 2	clutches/yr	F	Adult	OR	am	2
Clutches or Litters per year			2 - 4	clutches/yr	F	Adult	AZ; TX	an	11
Clutches or Litters per year			1 - 2	clutches/yr	F	Adult	UT	ao	11
Clutches or Litters per year	3			clutches/yr	F	Adult	TX	ap	3

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Clutches or Litters per year			2 - 5	clutches/yr	F	Adult	NV	aq	13
Clutches or Litters per year	at least 3			clutches/yr	F	Adult	TX	ar	7
Dietary Composition	Scorpionida (1.22%); Araneae (22.72%); Solifugae (2.78%); Thysanura (0.28%); Orthoptera (5.66%); Isoptera (2.31%); Homoptera (0.38%); Neuroptera (7.93%); Coleoptera (7.86%); Trichoptera (0.62%); Lepidoptera (44.76%); Hymenoptera (2.97%)			%	B	Adult	MEXICO	as	5
Dietary Composition	Orthoptera (31.3%); Coleoptera (5.7%); Hymenoptera (3.8%); Hemiptera (20.0%); Homoptera (1.9%); Lepidoptera (14.4%); Araneida (16.3%)			%	NR	NR	OR	at	15
Dietary Composition	Araneae (3.0%); Acari (1.0%); Solifugae (<0.1%); Hexapoda (2.4%); Collembola (0.3%); Thysanura (0.1%); Orthoptera (3.6%); Dermaptera (0.1%); Isoptera (0.5%); Thysanoptera (0.2%); Hemiptera (8.3%); Homoptera (3.5%); Neuroptera (0.8%); Coleoptera (11.9%); Lepidoptera (3.3%); Diptera (1.4%); Hymenoptera (59.2%); Insect eggs (0.5%); Plants (0.1%)			%	NR	NR	NM	au	16
Dietary Composition	Araneae (1.2); Acari (1.8); Solifugae (1.0); Hexapoda (26.3); Collembola (2.5); Thysanura (1.0); Orthoptera (1.2); Dermaptera (1.0); Isoptera (15); Thysanoptera (1.5); Hemiptera (2.3); Homoptera (1.8); Neuroptera (1.3); Coleoptera (2.2); Lepidoptera (1.7); Diptera (1.3); Hymenoptera (9.3); Insect eggs (9.0); Plants (1.0)			# prey/lizard	NR	NR	NM	av	16
Dietary Composition	Spiders (4.1); Solpugids (0.5); Ants (14.7); Other Hymenoptera (2.6); Grasshoppers (19.3); Roaches (3.6); Mantids (1.3); Ant Lions (0.6); Beetles (41.2); Termites (33.8); Homoptera-Hemiptera (1.9); Diptera (0.4); Lepidoptera (1.2); Insect larvae (11.3); Unidentified Insects (9.9); Insect Eggs (0.3); Lizards (0.5); Plant Materials (3.0); Unidentified (9.4)			cc	NR	NR	AZ; CA; NV	aw	11
Dietary Composition	Spiders (4.70); Solpugids (0.56); Ants (7.87); Other Hymenoptera (0.54); Grasshoppers and Crickets (21.68); Roaches (0.20); Mantids (0.66); Beetles (12.35); Termites (0.10); Homoptera-Hemiptera (2.19); Diptera (2.54); Lepidoptera (1.24); Insect larvae			cc	NR	NR	ID; NV; UT	ax	11

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	(6.13); Unidentified Insects (6.52); Plant Materials (0.89); Unidentified (2.89)								
Dietary Composition	Arachnids (2.4-22.4%); Orthopterans (0-16.7%); Isopterans (0-17.5%); Coleopterans (8.2-45.7%); Hemipterans (0-47.9%); Homopterans (0-34.8%); Neuropterans (0-1.3%); Lepidopterans (2.8-34.0%); Dipterans (0-9.3%); Hymenopterans (4.3-72.8%)			%	NR	NR	TX	ay	7
Duration of Incubation or Gestation	46.4	0.018 SE		d	B	Embryo	Lab	az	9
Duration of Incubation or Gestation	63			d	B	Embryo	Los Angeles; CA	ba	4
Duration of Incubation or Gestation			65 - 77	d	B	Embryo	TX	bb	7
Food Ingestion Rate	26.1	11.7 SE		mg dry mass diet/g/d	B	Adult	MEXICO	bc	5
Food Ingestion Rate	0.02			g/d	NR	NR	TX	bd	7
Growth Rate			0.24 - 0.27	mm/d	B	Adult	TX	be	7
Growth Rate			0.11 - 0.15	mm/d	B	Hatchling	TX	bf	7
Growth Rate			0.19 - 0.22	mm/d	B	Hatchling	TX	bg	7
Growth Rate	0.17			mm/d	F	Hatchling	OR	bh	2
Growth Rate	0.22			mm/d	M	Hatchling	OR	bi	2
Growth Rate	0.79		0.00 - 2.57	mm/mo	F	NR	AZ	bj	17
Growth Rate	0.31		0.25 - 0.53	mm/mo	F	NR	AZ	bk	17
Growth Rate	2.93		0.72 - 6.66	mm/mo	F	NR	AZ	bl	17
Growth Rate	0.034			mm/d	F	NR	NM	bm	18
Growth Rate	5.19		3.45 - 7.50	mm/mo	M	NR	AZ	bn	17
Growth Rate	0.58		0.00 - 1.43	mm/mo	M	NR	AZ	bo	17
Growth Rate	0.94		0.00 - 1.53	mm/mo	M	NR	AZ	bp	17
Growth Rate	0.028			mm/d	M	NR	NM	bq	18
Growth Rate	4.29		0.99 - 10.50	mm/mo	NR	NR	AZ	br	17
Home Range	27.36	0.68		acres	F	Adult	NV	bs	19
Home Range	0.175			ha	F	Adult	OR	bt	2
Home Range	121			m2	F	Adult	AZ	bu	17
Home Range	153.6	24.7 (95%CI)		m2	F	Adult	NM	bv	20
Home Range	0.15			acre	F	Adult	TX	bw	7
Home Range	0.23			acre	F	Adult	CO	bx	7
Home Range	1497		785 - 3460	sq. ft.	F	Adult	TX	by	7
Home Range	39.30	0.98		acres	M	Adult	NV	bz	19
Home Range	0.219	0.06 SE		ha	M	Adult	OR	ca	2
Home Range	446			m2	M	Adult	AZ	cb	17
Home Range	284.3	41.5 (95%CI)		m2	M	Adult	NM	cc	20
Home Range	0.49			acre	M	Adult	TX	cd	7
Home Range	0.38			acre	M	Adult	CO	ce	7
Home Range	4896		2889 - 11391	sq. ft.	M	Adult	TX	cf	7
Home Range	1300			sq. ft.	B	Juvenile	TX	cg	7

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Home Range	16.82	0.42		acres	NR	Juvenile	NV	ch	19
Home Range	61			m2	NR	Juvenile	AZ	ci	17
Home Range	0.097		0.016-0.164	acres	F	NR	NM	cj	18
Home Range	0.254		0.046-0.712	acres	M	NR	NM	ck	18
Longevity	58			mo	B	Adult	NV	cl	21
Longevity	100			wks	NR	Both Adult and Juv.	TX	cm	7
Metabolic Rate	8.5	5.5 SE		L CO2/kg/d	B	Adult	MEXICO	cn	5
Metabolic Rate	163	13.2 SE		mm3 O2/g/hr	NR	Both Adult and Juv.	Lab	co	22
Metabolic Rate	OC = 2.19W^0.55			cc O2/g/hr	NR	NR	Lab	cp	23
Metabolic Rate	OC = 1.30W^0.47			cc O2/g/hr	NR	NR	Lab	cq	23
Metabolic Rate	OC = 1.32W^0.54			cc O2/g/hr	NR	NR	Lab	cr	23
Metabolic Rate	OC = 0.60W^0.64			cc O2/g/hr	NR	NR	Lab	cs	23
Population Density			7 - 50	#/ha	B	Adult	AZ	ct	17
Population Density			10 - 17	#/acre	B	Adult	CO	cu	7
Population Density			11 -24	#/acre	B	Adult	TX	cv	7
Population Density	175			#/ha	B	Both Adult and Juv.	OR	cw	2
Population Density	50.2			#/ha	B	Both Adult and Juv.	NM	cx	18
Population Density			42.5 - 80.3	#/ha	B	Both Adult and Juv.	NV	cy	13
Population Density			36 - 109	#/acre	B	Juvenile	TX	cz	7
Population Density			82 - 131	#/ha	NR	Juvenile	AZ	da	17
Population Density			3.5 - 147	#/ha	NR	NR	Merced; CA	db	24
Population Density	88			#/ha	NR	NR	Stanislaus; CA	dc	24
Population Density			21.7 - 24.2	#/ha	NR	NR	Riverside; CA	dd	25
Population Density			10.8 - 13.4	#/ha	NR	NR	Inyo; CA	de	25
Population Density			37.6 - 84.6	#/ha	NR	NR	San Joaquin; CA	df	25
Survival/ Mortality	30			%	B	Adult	OR	dg	2
Survival/ Mortality			6 - 11	%	B	Adult	TX	dh	7
Survival/ Mortality			0.463 - 0.542	deaths/100 lizards/d	NR	Adult	Inyo; CA	di	25
Survival/ Mortality			0.527 - 0.732	deaths/100 lizards/d	NR	Adult	San Joaquin; CA	dj	25
Survival/ Mortality			0.307 - 0.619	deaths/100 lizards/d	NR	Adult	Riverside; CA	dk	25
Survival/ Mortality			8.8 - 30.3	%	B	Juvenile	TX	dl	7
Time of Hatching or Parturition	June - Oct.				NR	Embryo	TX	dm	7
Time of Hatching or Parturition	July - Oct.				B	Hatchling	Los Angeles; CA	dn	4
Time of Hatching or Parturition	May-June				NR	Hatchling	AZ	do	17
Time of Hatching or Parturition	July - Sept.				NR	Hatchling	Kern; CA	dp	26
Time of Mating/ Laying	Apr. - June				B	Adult	OR	dq	2
Time of Mating/ Laying	May - July				B	Adult	OR	dr	2
Time of Mating/ Laying	Apr. - June				B	Adult	TX	ds	3
Time of Mating/ Laying	Apr.-May and June-July				F	Adult	ID	dt	1
Time of Mating/ Laying	May - Aug.				F	Adult	Los Angeles; CA	du	4
Time of Mating/ Laying	Apr. - July				F	Adult	NV	dv	6
Time of Torpor or Hibernation	Oct. - Mar.				NR	NR	OR	dw	2

Notes

a based on presence of mature spermazoa or yolked ovarian follicles, oviducal eggs or corpora lutea; snout-vent length = 40-43 mm; N=275; Snake River Valley (elev., 530-750m)

b	N=NR; Deschutes River, Jefferson county (elev., 732m)
c	N=1907; Palo Duro Canyon, Armstrong County (elev., 2000-3600 ft); Kermit , Winkler County and Monahans, Ward County (elev., 2800 ft)
d	N=162; San Gabriel Mountains (elev., 1585-1829m)
e	N=5; Sept.; El Comitan, Baja California Sur
f	N=11; May - July; Deschutes River, Jefferson county (elev., 732m)
g	snout vent length range = 49 - 51 mm; N=19; Mar. - Aug.; Rock Valley, Nye county
h	range of average weights for snout-vent length size classes of 42-53 mm; N=1-29 lizards/size class and date; yr-round
i	range of average weights for snout-vent length size classes of 46-57 mm; N=1-24 lizards/size class and date; yr-round
j	range of average egg weights for clutch sizes of 2-6.; N=1-28 clutches
k	egg weight; N=13; Deschutes River, Jefferson county (elev., 732m)
l	average egg weight; N=12; Apr.; Corral Hollow Road
m	average egg weight; N=27; Apr.; Del Puerto Canyon Road
n	average egg weight; N=35; Apr.; Los Banos Creek, Billy Wright Road
o	range of average weights for snout-vent length size classes of 20-41 mm; N=1-88 lizards/size class and date; yr-round
p	range of average weights for snout-vent length size classes of 20-45 mm; N=1-67 lizards/size class and date; yr-round
q	mean clutch size; N=124; Snake River Valley (elev., 530-750m)
r	range of clutch size means for two time periods; N=71-95; spring; Crane county; see citation for relationship between clutch size and female snout-vent length
s	mean clutch size; N=162; San Gabriel Mountains
t	N=162; San Gabriel Mountains (elev., 1585-1829m)
u	range of mean monthly clutch sizes for females >12 mo old, measured over a 10 yr period; N=1363; Apr. - July; Rock Valley, Nye county; clutch size estimated from # of corpora lutea, oviducal eggs or yolked follicles > 2.5 mm
v	N=87; Deschutes River, Jefferson county (elev., 732m)
w	range of mean clutch sizes; N=13-44 animals/site and time period; Phoenix South Mountain, Casa Grande, AZ; El Paso, TX [lat., 31-33]; see citation for figure of seasonal changes in clutch size
x	range of mean clutch sizes; N=14-74 animals/site and time period; Hart Mountain, OR; Stansbury Island and Grantsville, UT [lat., 40-42]; see citation for figure of seasonal changes in clutch size
y	based on number of enlarged vitellogenic ovarian follicles (>2 mm) or oviductal eggs during a "wet" year; N=20; summer; Anapra, Dona Ana county
z	based on number of enlarged vitellogenic ovarian follicles (>2 mm) or oviductal eggs during a "dry" year; N=8; summer; Anapra, Dona Ana county
aa	average clutch size; N=35; Apr.; Los Banos Creek, Billy Wright Road
ab	average clutch size; N=27; Apr.; Del Puerto Canyon Road
ac	average clutch size; N=16; Apr.; Corral Hollow Road
ad	N=NR; Palo Duro Canyon, Armstrong County (elev., 2000-3600 ft); Kermit , Winkler County and Monahans, Ward County (elev., 2800 ft)
ae	range of average clutch sizes on 8 dates; N=NR; Age=<12 mo; Apr. - July; values adjusted to compensate for non-reproductive females
af	range of average clutch sizes on 8 dates; N=NR; Age=>12 mo; Apr. - July; values adjusted to compensate for non-reproductive females
ag	average clutch size based on counts of yolked follicles, eggs or corpora lutea; N=256; Mesa County
ah	range of monthly average clutch sizes over 3 yrs; N=13-48 lizards/10 dates; Feb. - Aug.
ai	range of monthly means for 2 size classes measured over 3 yrs.; N=3 - 95 clutches/mo; Mar. - July; Rock Valley, Nye County; clutch size based on # yolked follicles > 2.5 mm, oviducal eggs and corpora lutea
aj	N=124; Snake River Valley (elev., 530-750m)
ak	N=162; San Gabriel Mountains (elev., 1585-1829m)
al	N=1363; Apr. - July; Rock Valley, Nye county; see citation for reproductive output estimates
am	N=NR; Deschutes River, Jefferson county (elev., 732m)
an	N=NR; El Paso, TX; Casa Grande, Phoenix South Mountain, AZ
ao	N=NR; Stansbury and Granstville, UT [lat., 40]
ap	N=NR; Palo Duro Canyon, Armstrong County (elev., 2000-3600 ft); Kermit , Winkler County and Monahans, Ward County (elev., 2800 ft)
aq	N=NR; Apr. - July; see citation for estimates of net reproductive rates
ar	N=NR
as	% frequency of prey (by volume) in stomach contents; N=27; El Comitan, Baja California Sur
at	% volume in stomach contents; N=8; May-Sept.; Owyhee Upland Province; see citation for detailed list of prey items (family level)
au	% of total number of prey items in stomach contents; N=266; May-Aug.; Eddy and Lea counties; see citation for seasonal changes in diet
av	mean number of prey eaten per lizard eating such prey (estimated from stomach contents); N=266; May-Aug.; Eddy and Lea counties
aw	volume (cc) of prey items in stomach contents; N=811; Apr. - Oct.; Pahrump, Searchlight, NV; Mojave, Twentynine Palms, CA; Salome, Phoenix South Mountain, Casa Grande, AZ [lat., 32-36]; see citation for figure of seasonal changes in diet
ax	volume (cc) of prey items in stomach contents; N=556; Mountain Home, ID; Granstville, UT; Lovelock, Gabbs and Beatty, NV [lat., 37-42]

ay	range of monthly percentages of total volume of food in stomach contents; N=7-24 lizards/mo; yr-round
az	time to hatching at 29C; N=802
ba	time between laying and hatching; N=NR; San Gabriel Mountains (elev., 1585-1829m)
bb	time from egg laying to hatching; N=NR
bc	N=NR; Sept.; El Comitan, Baja California Sur
bd	total volume of food eaten; N=NR
be	range of average male and female growth rates, based on increases in snout-vent length (40-49 mm); N=17-21/sex; June - Sept.
bf	range of average male and female growth rates, based on increases in snout-vent length; N=35-72/sex; Oct.-Nov.
bg	range of average male and female growth rates, based on increases in snout-vent length; N=418 - 496/sex; June - Sept.
bh	growth rate measured as increase in snout-vent length (mm); N=NR; July - Sept.; Deschutes River, Jefferson county (elev., 732m)
bi	growth rate measured as increase in snout-vent length (mm); N=NR; July - Sept.; Deschutes River, Jefferson county (elev., 732m); snout-vent length = 22 mm at hatching to 32 mm prior to hibernation
bj	growth rate estimated by increase in snout-vent length (mm), snout-vent length range 40-50 mm; N=30; Phoenix South Mountain, Maricopa county
bk	growth rate estimated by increase in snout-vent length (mm), snout-vent length range 50-56mm; N=2; Phoenix South Mountain, Maricopa county
bl	growth rate estimated by increase in snout-vent length (mm), snout-vent length range 30-40mm; N=10; Phoenix South Mountain, Maricopa county
bm	increase in snout-vent length, initial snout-vent length range, 48-53 mm; N=10; July-Sept.; Dona Ana county [lat., 31^o47'10" N; long., 106^o35'05"W], (elev., 1250m)
bn	growth rate estimated by increase in snout-vent length (mm), snout-vent length range 30-40mm; N=7; Phoenix South Mountain, Maricopa county
bo	growth rate estimated by increase in snout-vent length (mm), snout-vent length range 50-58mm; N=22; Phoenix South Mountain, Maricopa county
bp	growth rate estimated by increase in snout-vent length (mm), snout-vent length range 40-50mm; N=10; Phoenix South Mountain, Maricopa county
bq	increase in snout-vent length, initial snout-vent length range, 41-46 mm; N=10; July-Sept.; Dona Ana county [lat., 31^o47'10" N; long., 106^o35'05"W], (elev., 1250m)
br	growth rate estimated by increase in snout-vent length (mm), snout-vent length range 21-35mm; N=62; Phoenix South Mountain, Maricopa county
bs	home range estimated by density probability function method (ranged 99.0% of the time in this area size); N=16; United States Atomic Energy Commission Nevada Test Site; home range estimated by minimum polygon method was 1.2 acres
bt	estimated using probability density function (95% confidence interval); N=8; Deschutes River, Jefferson county (elev., 732m)
bu	home range estimted by convex polygon method (maximum was 202 m2); N=15; Feb.-Apr.; Phoenix South Mountain, Maricopa county
bv	home range estimated using convex polygon method; N=NR; summer; Carlsbad (elev., 1067m)
bw	home range estimated using probability density function (95%); N=NR
bx	home range estimated using probability density function (95%); N=NR; Mesa County
by	average and range of home ranges at 2 sites over 6 yrs, estimated using minimum polygon method (mark and recapture technique); N=6-14 lizards/yr and site; yr-round; average home range also reported as 0.03 acre
bz	home range estimated by density probability function method (ranged 99.0% of the time in this area size); N=24; United States Atomic Energy Commission Nevada Test Site; home range estimated by minimum polygon method was 4.0 acres
ca	estimated using probability density function (95% confidence interval); N=9; Deschutes River, Jefferson county (elev., 732m)
cb	home range estimted by convex polygon method (maximum was 810m2); N=15; Feb.-Apr.; Phoenix South Mountain, Maricopa county
cc	home range estimated using convex polygon method; N=NR; summer; Carlsbad (elev., 1067m)
cd	home range estimated using probability density function (95%); N=NR
ce	home range estimated using probability density function (95%); N=NR; Mesa County
cf	average and range of home ranges at 2 sites over 6 yrs, estimated using minimum polygon method (mark and recapture technique); N=7-26 lizards/site and yr; Mar.-Sept.; average home range also reported as 0.11 acre
cg	average home range, estimated using minimum polygon method (mark and recapture technique); N=357 lizards; average home range also reported as 0.003 acre
ch	home range estimated by density probability function method (ranged 99.0% of the time in this area size); N=14; United States Atomic Energy Commission Nevada Test Site; home range estimated by minimum polygon method was 1.6 acres
ci	home range estimted by convex polygon method (maximum was 121 m2); N=15; May-Aug.; Phoenix South Mountain, Maricopa county
cj	average home range estimated from recapture radii (mean plus 2s) for individuals with 5+ recaptures; N=11; July; Dona Ana county [lat., 31^o47'10" N; long., 106^o35'05"W], (elev., 1250m)
ck	average home range estimated from recapture radii (mean plus 2s) for individuals with 5+ recaptures; N=9; July; Dona Ana county [lat., 31^o47'10" N; long., 106^o35'05"W], (elev., 1250m)
cl	oldest individual observed, female; N=3575; Rock Valley, Nye county
cm	maximum longevity observed for marked hatchlings; N=NR
cn	field metabolic rate (estimated by injecting with doubly-labelled water); also expressed as 218 +/- 141SE kJ/kg/d; N=5; Sept.; El Comitan, Baja California Sur
co	oxygen consumption measured at 30C; N=4; Condition=fasted 3d; see citation for figure relating oxygen consumption to body weight
cp	equation relating resting oxygen consumption (OC) to body weight (W, g) at 40C; N=2-5/weight group; body weight range = 2.0 - 6.5 g
cq	equation relating resting oxygen consumption (OC) to body weight (W, g) at 30C; N=2-5/weight group; body weight range = 2.0 - 6.5 g
cr	equation relating resting oxygen consumption (OC) to body weight (W, g) at 35C; N=2-5/weight group; body weight range = 2.0 - 6.5 g
cs	equation relating resting oxygen consumption (OC) to body weight (W, g) at 20C; N=2-5/weight group; body weight range = 2.0 - 6.5 g
ct	N=NR; Feb.-May; Phoenix South Mountain, Maricopa county; see citation for figure of seasonal changes in density
cu	range of densities over 2 yrs; N=NR; Mesa County

cv	range of densities estimated over 6 yrs at two sites; N=NR; Condition=breeding; Mar. - Aug.
cw	N=NR; Deschutes River, Jefferson county (elev., 732m); also reported as 71/acre; see citation for snout-vent length frequency histograms for population
cx	N=45 marked lizards; July; Dona Ana county [lat., 31^o47'10" N; long., 106^o35'05"W], (elev., 1250m); also reported as 20.3 individuals/acre
cy	range of 3 yearly averages for 4 study sites; N=NR; Mar.; Rock Valley, Nye County
cz	N=NR; June - July
da	N=NR; May-June; Phoenix South Mountain, Maricopa county
db	N=NR; Los Banos; see citation for figures of hatchling dispersal distances
dc	N=NR; Del Puerto Canyon; see citation for figures of hatchling dispersal distances
dd	range of average densities estimated over 2 yrs; N=NR; spring; Chuckwalla Mountains (elev., 460m), [lat., 33^o37'N; long., 115^o18' W]
de	range of average densities estimated over 2 yrs; N=NR; spring; Panamint Valley (elev., 790m), [lat., 36^o20'N; long., 117^o30' W]
df	range of average densities estimated over 2 yrs; N=NR; spring; San Joaquin Valley (elev., 460m), [lat., 37^o38'N; long., 121^o29' W]; note; different study site areas were censused during the two years
dg	annual adult survival; N=36; Deschutes River, Jefferson county (elev., 732m)
dh	range of % "survival to next season" over 5 yrs at 2 sites; N=39-110/date and site; Age=9 mo
di	range of early activity season (spring to summer) mortality rates measured over 3 yrs; N=33-48/yr; Apr. - July; Panamint Valley (elev., 790m), [lat., 36^o20'N; long., 117^o30' W]
dj	range of early activity season (spring to summer) mortality rates measured over 2 yrs; N=27-51/yr; Apr. - July; San Joaquin Valley (elev., 460m), [lat., 37^o38'N; long., 121^o29' W]
dk	range of early activity season (spring to summer) mortality rates measured over 3 yrs; N=90-169/yr; Apr. - July; Chuckwalla Mountains (elev., 460m), [lat., 33^o37'N; long., 115^o18' W]
dl	range of % "survival to maturity" over 5 years for males and females; N=17-65/date and sex; see citation for survivorship curve
dm	based on hatchling observations; N=NR
dn	N=NR; San Gabriel Mountains (elev., 1585-1829m); hatching snout-vent length = 25 mm
do	N=NR; Phoenix South Mountain, Maricopa county
dp	N=NR; El Paso Mountains [lat., 35^o30'; long., 117^o40']
dq	time of breeding; N=NR; Deschutes River, Jefferson county (elev., 732m)
dr	time of laying; N=NR; Deschutes River, Jefferson county (elev., 732m)
ds	time of breeding; N=1907; Palo Duro Canyon, Armstrong County (elev., 2000-3600 ft); Kermit , Winkler County and Monahans, Ward County (elev., 2800 ft)
dt	time of laying; N=124; Snake River Valley (elev., 530-750m)
du	time of laying; N=162; San Gabriel Mountains (elev., 1585-1829m)
dv	time of laying; N=1363; Rock Valley, Nye county
dw	N=NR; Deschutes River, Jefferson county (elev., 732m)

References

1 Bakewell, George, Joseph M. Chopek and Gary L. Burkholder. 1983. Notes on reproduction of the side-blotched lizard Uta stansburiana stansburiana in southwest Idaho. Great Basin Nat. 43(3):477-482.
2 Nussbaum, Ronald A. and Lowell V. Diller. 1976. The life history of the side-blotched lizard, Uta stansburiana Baird and Girard, in north-central Oregon. Northwest Sci. 50(4):243-260.
3 Tinkle, Donald W. 1961. Population structure and reproduction in the lizard Uta stansburiana stejnegeri. Am. Midl. Nat. 66:206-234.
4 Goldberg, Stephen R. 1977. Reproduction in a mountain population of the side-blotched lizard, Uta stansburiana (Reptilia, Lacertilia, Iguanidae). J. Herpetol. 11(1):31-35.
5 Grenot, Claude J., Patricia Galina-Tessaro and Sergio Alvarez-Cardenas. 1995. Field metabolism of lizards from lower altitude regions of Baja California Sur (Mexico). Amphib. - Reptil. 16:11-23.
6 Medica, Philip A. and Frederick B. Turner. 1976. Reproduction by Uta stansburiana (Reptilia, Lacertilia, Iguanidae) in southern Nevada. J. Herpetol. 10(2):123-128.
7 Tinkle, Donald W. 1967. The life and demography of the side-blotched lizard, Uta stansburiana. Misc. Publ. Univ. Mich. Mus. Zool. 132:1 - 182.
8 Sinervo, Barry and Paul Licht. 1991. Hormonal and physiological control of clutch size, egg size and egg shape in side-blotched lizards (Uta stansburiana): constraints on the evolution of lizard life histories. J. Exp. Zool. 257:252-264.
9 Ferguson, Gary W., Howard L. Snell and Allan J. Landwer. 1990. Proximate control of variation of clutch, egg, and body size in a west Texas population of Uta stansburiana stejnegeri (Sauria: Iguanidae). Herpetologica. 46(2):227-238.
10 Fitch, Henry S. 1985. Variation in clutch and litter size in New World reptiles. Univ. Kansas Pub. Mus. Nat. Hist. 76:28.
11 Parker, William S. and Eric R. Pianka. 1975. Comparative ecology of populations of the lizard Uta stansburiana. Copeia. 1975(4):615-632.
12 Worthington, Richard D. 1982. Dry and wet year comparisons of clutch and adult body sizes of Uta stansburiana stejnegeri. J. Herpetol. 16(3):332-334.
13 Turner, Frederick B., Gerard A. Hoddenbach, Philip A. Medica and Joseph R. Lannom. 1970. The demography of the lizard, Uta stansburiana Baird and Girard, in southern Nevada. J. Anim. Ecol. 39:505-519.
14 Hoddenbach, Gerard A. and Frederick B. Turner. 1968. Clutch size of the lizard Uta stansburiana in southern Nevada. Am. Midl. Nat. 80:262-265.
15 Whitaker, John O. Jr. and Chris Maser. 1981. Food habits of seven species of lizards from Malheur county, southeastern Oregon. Northwest Sci. 55(3):202-208.
16 Best, Troy L. and A.L. Gennaro. 1984. Feeding ecology of the lizard, Uta stansburiana, in southeastern New Mexico. J. Herpetol. 18(3):291-301.
17 Parker, William S. 1974. Home range, growth, and population density of Uta stansburiana in Arizona. J. Herpetol. 8(2):135-139.
18 Worthington, Richard D. and Edward R. Arvizo. 1973. Density, growth and home range of the lizard Uta stansburiana steinegeri in southern Dona Ana county, New Mexico. Great Basin Nat. 33(2):124-128.

19 Jorgensen, Clive D. and Wilmer W. Tanner. 1963. The application of the density probability function to determine the home ranges of Uta stansburiana stansburiana and Cnemidophorus tigris tigris. Herpetologica. 19(2):105-115.
20 Waldschmidt, Steve. 1983. The effect of supplemental feeding on home range size and activity patterns in the lizard Uta stansburiana. Oecologia. 57:1-5.
21 Medica, Philip A. and Frederick B. Turner. 1984. Natural longevity of iguanid lizards in southern Nevada. Herpetol. Rev. 15(2):34-35.
22 Roberts, Lou Anne. 1968. Oxygen consumption in the lizard Uta stansburiana. Ecology. 49:809-819.
23 Dawson, William R. and George A. Bartholomew. 1956. Relation of oxygen consumption to body weight, temperature, and temperature acclimation in lizards Uta stansburiana and Sceloporus occidentalis. Physiol. Zool. 29:40-51.
24 Doughty, Paul and Barry Sinervo. 1994. The effect of habitat, time of hatching, and body size on the dispersal of hatchling Uta stansburiana. J. Herpetol. 28(4):485-490.
25 Wilson, Byron S. 1991. Latitudinal variation in activity season mortality rates of the lizard Uta stansburiana. Ecol. Monogr. 61(4):393-414.
26 Spoecker, Peter D. 1967. Movements and seasonal activity cycles of the lizard Uta stansburiana stejnegeri. Am. Midl. Nat. 77:484-494.

*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.