Cal/Ecotox
Exposure Factors for Coyote (Canis latrans)*

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Age at Fledging, Metamorphosis, Weaning	30			d	B	Juvenile	Lab	a	1
Age at Fledging, Metamorphosis, Weaning			4 - 5	wks	B	Juvenile	Lab	b	2
Age at Sexual Maturity	1			yr	B	Adult	CANADA	c	3
Body Fat (total or %)	12.08	7.36 SD	1.70 - 26.72	%	B	Both Adult and Juv.	CANADA	d	4
Body Fat (total or %)	9.5	1.3	3.4 - 25.2	%	B	Both Adult and Juv.	CANADA	e	5
Body Fat (total or %)	16.8	1.8	5.3 - 34.8	%	B	Both Adult and Juv.	CANADA	f	5
Body Weight - Mean	21.5		17.0 - 26.5	lbs	F	Adult	CA	g	6
Body Weight - Mean	15.24			kg	F	Adult	CANADA	h	7
Body Weight - Mean	9.5	1.0 SE		kg	F	Adult	NM	i	8
Body Weight - Mean			9.1 - 9.6	kg	F	Adult	TX	j	9
Body Weight - Mean			11 - 12	kg	F	Adult	MN	k	10
Body Weight - Mean	10.2	0.2 SE		kg	F	Adult	Kern; CA	l	11
Body Weight - Mean	10.1	1.1 SE		kg	F	Adult	Kern; CA	m	11
Body Weight - Mean	24.25		18.0 - 27.5	lbs	M	Adult	CA	n	6
Body Weight - Mean	16.64			kg	M	Adult	CANADA	o	7
Body Weight - Mean	11.6	1.4 SE		kg	M	Adult	NM	p	8
Body Weight - Mean			10.6 - 11.4	kg	M	Adult	TX	q	9
Body Weight - Mean			12 - 13	kg	M	Adult	MN	r	10
Body Weight - Mean	12.1	0.2 SE		kg	M	Adult	Kern; CA	s	11
Body Weight - Mean	12.7	0.3 SE		kg	M	Adult	Kern; CA	t	11
Body Weight - Mean	7.9 (0.5yr); 9.8 (1.5 yr); 11.0 (2.5 yr); 11.5(3.5 yr); 10.8 (4.5 yr); 11.6 (5.5 yr); 10.4 (6.5 yr); 10.9 (>7.5 yr)			kg	F	Both Adult and Juv.	TX	u	12
Body Weight - Mean	8.2 (0.5yr); 10.4 (1.5 yr); 12.8 (2.5 yr); 13.2 (3.5 yr); 13.7 (4.5 yr); 12.5 (5.5 yr); 12.1 (6.5 yr); 12.6 (>7.5 yr)			kg	M	Both Adult and Juv.	TX	v	12
Body Weight - Mean	BW = -0.5049 + 0.0469A			g	B	Juvenile	Lab	w	13
Body Weight - Mean			7 - 22	lbs	B	Juvenile	CA	x	6
Body Weight - Mean			10 - 11	kg	B	Juvenile	MN	y	10
Body Weight - Mean	2724			g	B	Juvenile	Lab	z	1
Body Weight - Mean	1859			g	B	Juvenile	Lab	aa	1
Body Weight - Mean	461			g	B	Juvenile	Lab	ab	1
Body Weight - Mean	867			g	B	Juvenile	Lab	ac	1
Body Weight - Mean	657			g	B	Juvenile	Lab	ad	1
Body Weight - Mean	11.42			kg	F	Juvenile	CANADA	ae	7
Body Weight - Mean			8.6 - 8.9	kg	F	Juvenile	TX	af	9
Body Weight - Mean	8.0	0.1 SE		kg	F	Juvenile	TX	ag	9
Body Weight - Mean	6.5	0.2 SE		kg	F	Juvenile	TX	ah	9
Body Weight - Mean	9.3	0.3 SE		kg	F	Juvenile	Kern; CA	ai	11
Body Weight - Mean	13.32			kg	M	Juvenile	CANADA	aj	7
Body Weight - Mean			10.0 - 10.8	kg	M	Juvenile	TX	ak	9
Body Weight - Mean	9.1	0.2 SE		kg	M	Juvenile	TX	al	9
Body Weight - Mean	7.6	0.2 SE		kg	M	Juvenile	TX	am	9
Body Weight - Mean	11.4	0.2 SE		kg	M	Juvenile	Kern; CA	an	11
Body Weight - Mean	274		255 - 284	g	B	Neonate	Lab	ao	1

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Body Weight - Mean	10	0.04 SE		kg	B	NR	Lab	ap	14
Body Weight - Mean	2.2	0.1 SE		kg	F	Pup	Kern; CA	aq	11
Body Weight - Mean	9.9	0.4 SE		kg	F	Pup	Kern; CA	ar	11
Body Weight - Mean	2.5	0.2 SE		kg	M	Pup	Kern; CA	as	11
Body Weight - Mean	10.4	0.2 SE		kg	M	Pup	Kern; CA	at	11
Clutch or Litter Size	5.4	1.8 SD		young/litter	F	Adult	CANADA	au	15
Clutch or Litter Size	review				F	Adult		av	16
Clutch or Litter Size	3.2			pups/litter	F	Adult	CO	aw	17
Clutch or Litter Size	5.0		1 - 12	young/litter	F	Adult	TN	ax	18
Clutch or Litter Size			5.12 - 6.90	pups/litter	F	Adult	IA	ay	19
Clutch or Litter Size	4.45	0.33 SD		#/litter	F	Adult	WY	az	20
Clutch or Litter Size	5.3		1 - 8	pups/litter	F	Adult	CANADA	ba	3
Dietary Composition	mule deer (35.2%); cattle (11.5%); sheep (3.7%); coyote (2.9%); Microtus sp. (47.7%); Thomomys sp. (6.8%); Lepus americanus (4.4%); Marmota flaviventris (3.9%); Citellus lateralis (3.9%); Erethizon dorsatum (3.7%); song birds (3.7%); other insects (4.7%); pine and fir needles (19%); grass (17.6%); other vegetable matter (8.7%)			%	B	Adult	CA	bb	21
Dietary Composition	leporid (76.4%); rodent (18.0%); livestock (13.5%); bird (13.5%); insect (4.5%); other (14.6%)			%	B	Adult	Kern; CA	bc	22
Dietary Composition	blueberries (68%); white-tailed deer (43%); snowshoe hare (30%); small mammals (21%); birds (2%)			%	B	Both Adult and Juv.	ME	bd	23
Dietary Composition	rodents (53%); fruits and seeds (32%); deer (20%); insects (19%); avian (19%); lagomorphs (11%); armadillo (9%); cattle (6%); reptile (4%)			%	B	Both Adult and Juv.	OK	be	24
Dietary Composition	snowshoe hare (31.7%); white-tailed deer (24.5%); plants (20.4%); small mammals (14.3%); non-edibles (13.2%); large birds (6.0%); porcupine (4.9%); Canis spp. (2.6%); carrion (1.9%); small birds (1.9%); apple (1.9%); human garbage (1.5%); moose (1.5%); feces (1.1); sheep (1.1%); cattle (0.8%)			%	B	Both Adult and Juv.	CANADA	bf	7
Dietary Composition	poultry (34%); persimmons (23%); insects (11%); rodents (9%); songbirds (8%); cattle (7%); rabbits (7%); deer (5%); woodchucks (4%); goats (4%); watermelons (4%)			%	NR	Both Adult and Juv.	AR	bg	25
Dietary Composition	mule deer (8.7%); cattle (4.4%); sheep (17.4%); coyote (8.7%); Microtus sp. (56.5%); Eutamias (13%); Thomomys sp. (8.7%); Marmota flaviventris (4.4%); Citellus beldingi (4.4%); Erethizon			%	B	Juvenile	CA	bh	21

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	dorsatum (8.7%); song birds (21.7%); grasshoppers (13.0%); other insects (34.8%); pine and fir needles (30.4%); grass (56.5%); other vegetable matter (13.2%)								
Dietary Composition	leporid (57.6%); rodent (27.1%); livestock (27.1%); bird (20.3%); insect (11.9%); other (25.4%)			%	B	Juvenile	Kern; CA	bi	22
Dietary Composition	leporid (62.7%); rodent (19.4%); livestock (17.9%); bird (14.9%); insect (41.8%); other (26.9%)			%	B	Juvenile	Kern; CA	bj	22
Dietary Composition	rabbits (70.6%); livestock (14.0%); mice (10.5%); birds (4.2%)			%	B	NR	IA	bk	26
Dietary Composition	plant foods (29.2%); rabbits (27.6%); mice and rats (24.6%); livestock (7.4%)			%	B	NR	IA	bl	26
Dietary Composition	see citation				B	NR	CANADA	bm	27
Dietary Composition	cottontail (45.4%); ground squirrel (31.2%); gopher snake (6.0%); woodrat (4.9%); pocket gopher (3.5%); kangaroo rat (3.3%); other (5.7%)			%	NR	NR	CA	bn	28
Dietary Composition	mammals (64%); birds (1%); insects (10%); fruits (20%); misc. (5%)			%	NR	NR	TX	bo	29
Dietary Composition	microtines (70.2%); rabbits (8.1%); domestic livestock (4.3%); passerines (2%); other mammals (4.7%); plants (10.3%); misc. (0.3%)			%	NR	NR	CANADA	bp	15
Dietary Composition	rodents (27.7%); rabbits (2.9%); carnivores (1.1%); ungulates (28.5%); birds (2.4%); reptiles (1.2%); fish (0.3%); invertebrates (1.9%); vegetable matter (34.0%)			%	NR	NR	Tehama; CA	bq	30
Dietary Composition	grasses (81.6%); persimmon (3.7%); unidentified seeds (5.2%); other plant material (44.9%); grasshoppers (11.8%); beetles (12.5%); chicken (2.2%); other birds (3.7%); cottontail (13.9%); pocket gopher (5.9%); cotton rat (14.7%); wood rat (2.2%); pine vole (2.2%); coyote (28.7%); cattle (33.8%)			%	NR	NR	OK	br	31
Dietary Composition	leporids (66.5%); rodents (21.5%); livestock (17.8%); coyote (2.1%); birds (17.8%); reptiles (5.4%); insects (18.6%); fruit (4.5%); other (2.1%); refuse (5.8%)			%	NR	NR	Kern; CA	bs	32
Dietary Composition	see citation			%	NR	NR	CO	bt	33
Dietary Composition	mammals (80%; deer 45.4%, rabbits 23.7%); birds (2.0%); reptiles (0.7%); insects (10.5%); vegetation (46.7%)			%	NR	NR	ND	bu	34

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	mammals (28.9%; cottontail rabbit, 12.1%, Botta's pocket gopher, 6.8%); birds (15.9%); vegetation (21.7%); misc. (16.7%)			%	NR	NR	CA	bv	35
Dietary Composition	Mammals: Sylvilagus sp. (50.6 - 73.1%); Lepus sp. (0 - 5.0%); Neotoma (0 - 5.5%); Microtus (0-11.1%); Cricetid mice (1.2-8.9%); Bos taurus (1.9 - 7.9%); Odocoileus hemionus (3.6 - 15.5%)			%	NR	NR	CO	bw	36
Dietary Composition	mesquite pods (39%); prickly pear fruit (21%); other plants(35%); rodent (27%); lagomorph (20%); mule deer (9%); other mammals (4%); dog food or human-related (trace); misc. (16%)			%	NR	NR	AZ	bx	37
Dietary Composition	mesquite pods (29%); prickly pear fruit (16%); other plants(24%); rodent (28%); lagomorph (22%); mule deer (3%); other mammals (3%); dog food or human-related (35%); misc. (14%)			%	NR	NR	AZ	by	37
Dietary Composition	leporids (68.5%); Sigmodon spp. (31.8%); aves (5.9%); grass (16.3%); Juniperus deppeana (7.2%); other vegetation (20.0%); other materials (9.6%)			%	NR	NR	AZ	bz	38
Dietary Composition	grass species (78%); meadow vole (73%); northern pocket gopher (43%); insects (40%); passerines (30%); lagomorphs (24%); cricetid mice (19%); mule deer (13%)			%	NR	NR	CO	ca	39
Dietary Composition	mule deer (3%); small mammals (18%); birds (2%); reptiles (2%); insects (2%); fruits (82%); other (1%)			%	NR	NR	Fresno; CA	cb	40
Dietary Composition	mule deer (7%); small mammals (67%); reptiles (11%); insects (8%); fruits (5%); other (21%)			%	NR	NR	Fresno; CA	cc	40
Dietary Composition	mule deer (3%); small mammals (30%); birds (6%); reptiles (6%); insects (8%); fruits (64%); other (4%)			%	NR	NR	Fresno; CA	cd	40
Dietary Composition	pronghorn antelope (55%); mule deer (5%), other native ungulate (3%); sciurids (21%); microtines (13%); cricetines (3%); unidentified cricetines (7%); western jumping mouse (1%); plant material (42%); coyote (22%); arthropods (18%)			%	NR	NR	WY	ce	41

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	rodents (36%); ungulates (26%); lagomorphs (23%); insectivores (2%); other mammals (1%); unidentified mammals (13%); birds (8%); reptiles (2%); insects (3%); fruit (38%); grass (13%); human refuse (1%)			%	NR	NR	OR	cf	42
Dietary Composition	Scapanus latimanus (3%); Spermophilus beechyi (24%); Thomomys bottae (64%); Reithrodontomys megalotis (4%); Peromyscus sp. (19%); Neotoma spp. (4%); Microtus californicus (32%); Odocoileus hemionus (41%); birds (6%); reptiles (12%); arthropods (47%); vegetation (33%)			%	NR	NR	San Diego; CA	cg	43
Dietary Composition	lagomorphs (27 - 54%); woodrat (5-21%); cotton rat (0-40%); small rodents (4-12%); deer (4-19%); other prey (8 - 22%)			%	NR	NR	TX	ch	44
Dietary Composition	Columbian ground squirrel (56.85); mule deer (27.4%); deer mouse (15.6%); moose (13.7%); northern pocket gopher (11.7%); montane vole (11.7%); golden-mantled ground squirrel (5.8%); Audubon's cottontail (3.9%); horse (3.9%); unknown mammals (5.8%); reptiles (3.9%); arthropods (39.2%); birds (27.4%); plants (21.5%)			%	NR	NR	ID	ci	45
Dietary Composition	rodent (24.4%); deer (9.2%); other stock (7.6%); rabbit (26.4%); misc. (10.3%); sheep (5.3%); bird (8.2%); vegetation (8.6%)			%	NR	NR	CA	cj	46
Dietary Composition	rodent (19.2%); deer (5.0%); other stock (12.4%); rabbit (41.5%); misc. (12.4%); sheep (6.6%); bird (2.1%); vegetation (0.8%)			%	NR	NR	CA	ck	46
Dietary Composition	rodent (27.0%); deer (18.3%); other stock (9.4%); rabbit (22.2%); misc. (10.5%); sheep (6.7%); bird (5.0%); vegetation (0.9%)			%	NR	NR	CA	cl	46
Dietary Composition	rodent (33.2%); deer (17.0%); other stock (14.8%); rabbit (13.2%); misc. (10.0%); sheep (4.6%); bird (3.8%); vegetation (3.4%)			%	NR	NR	CA	cm	46
Dietary Composition	rodent (24.5%); deer (11.4%); other stock (12.1%); rabbit (22.9%); misc. (10.5%); sheep (9.7%); bird (3.4%); vegetation (5.5%)			%	NR	NR	CA	cn	46

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	rabbits (51.0%); mice (12.3%); other mammals (8.0%); birds (2.7%); plants (0.3%); misc. (0.2%)			%	NR	NR	IA	co	19
Dietary Composition	deer (41.8%); livestock (23.3%); mice (3.6%); porcupine (4.0%); snowshoe hare (12.8%); striped skunk (2.0%); red squirrel (0.7%); muskrat (1.8%); beaver (0.6%); racoon (0.2%); ruffed grouse (1.0%); bird (0.1%); poultry (1.4%); unknown (2.0%)			%	NR	NR	MN	cp	10
Dietary Composition	voles (40.8%); deer mice (2.4%); other rodents (14.1%); deer (24.4%); pronghorn (1.8%); other ungulates (7.3%); lagomorphs (2.4%); other mammals (7.4%); birds and eggs (19.5%); reptiles and amphibians (6.1%); seeds and fruit (30.5%); insects (30.5%); unknown (1.8%)			%	NR	NR	MT	cq	47
Dietary Composition	voles (88.8%); deer mice (2.8%); other rodents (10.0%); deer (6.2%); other ungulates (11.0%); other mammals (0.8%); birds and eggs (7.6%); seeds and fruit (0.4%); insects (0.8%); unknown (4.8%)			%	NR	NR	MT	cr	47
Dietary Composition	voles (74.9%); deer mice (0.5%); other rodents (11.8%); deer (18.3%); pronghorn (10.9%); other ungulates (10.0%); lagomorphs (2.4%); other mammals (0.4%); birds and eggs (12.4%); reptiles and amphibians (4.3%); seeds and fruit (0.5%); insects (7.1%); unknown (1.9%)			%	NR	NR	MT	cs	47
Dietary Composition	voles (79.4%); deer mice (4.7%); other rodents (7.9%); deer (9.8%); pronghorn (1.6%); other ungulates (5.4%); lagomorphs (1.6%); other mammals (1.9%); birds and eggs (6.6%); seeds and fruit (1.0%); insects (2.2%); unknown (3.8%)			%	NR	NR	MT	ct	47
Dietary Composition	Sylvilagus spp. (39.7); Microtus montanus (15.9); Perognathus spp. (8.0); Spermophilus townsendii (6.5); Peromyscus maniculatus (5.7); Dipodomys ordii (6.6); Antilocapra americana (5.1); Eutamias minimus (3.6); Lepus californicus (3.4); Thomomys talpoides (3.0); reptiles (1.6); Centrocercus urophasianus (1.5); small birds (2.4)			%	NR	NR	ID	cu	48

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	large mammals (44%); mice (22%); snowshoe hare (3%); birds (11%); vegetation (7%); misc. (3%)			%	NR	NR	CANADA	cv	3
Dietary Composition	white-tailed deer (56.1%); mouse/vole (14.8%): cottontail rabbit (9.4%); woodchuck (10.6%); squirrel (5.2%); raccoon (5.2%); porcupine (2.9%); unidentified mammal hair (18.4%); feathers (10.3%); insects (18.1%); grass/sedge (35.5%); leaf fragments (15.2%); twigs/bark (6.4%); seeds/fruit (15.8%); other plants (2.9%); manmade materials (2.3%)			%	NR	NR	PA	cw	49
Dietary Composition	Mammals: Spermophilus beecheyi (43%); Microtus californicus (30%); Peromyscus maniculatus and Reithrodontomys megalotis (43%); Lepus californicus (17%); Thomomys bottae (4%); Insects (13%); Seeds and berries (13%); Herbaceous vegetation (17%); Wheat (Avena spp.) (13%)			%	NR	NR	Contra Costa; CA	cx	50
Dietary Composition	Mammals: Spermophilus beecheyi (43%); Microtus californicus (61%); Peromyscus maniculatus and Reithrodontomys megalotis (30%); Lepus californicus (43%); Thomomys bottae (9%); Insects (13%); Seeds and berries (4%); Herbaceous vegetation (35%); Wheat (Avena spp.) (9%)			%	NR	NR	Contra Costa; CA	cy	50
Dietary Composition	Mammals: Spermophilus beecheyi (67%); Microtus californicus (45%); Peromyscus maniculatus and Reithrodontomys megalotis (29%); Lepus californicus (12%); Thomomys bottae (2%); Birds (5%); Seeds and berries (19%); Herbaceous vegetation (43%); Wheat (Avena spp.) (24%)			%	NR	NR	Contra Costa; CA	cz	50
Dietary Composition	Mammals: Spermophilus beecheyi (57%); Microtus californicus (19%); Peromyscus maniculatus and Reithrodontomys megalotis (29%); Lepus californicus (29%); Thomomys bottae (19%); Birds (5%); Insects (10%); Seeds and berries (10%); Herbaceous vegetation (14%)			%	NR	NR	Contra Costa; CA	da	50
Dietary Composition	Terrestrial: Reptiles (1.8%); Rodents (21.0%); Lagomorphs (6.6%); Birds (6.3%); Arthropods (5.7%); Vegetation (8.1%) Marine: Reptiles (0.6%); Mammals (0.3%); Fish (12.0%); Birds			%	NR	NR	MEXICO	db	51

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	(16.5%); Arthropods (17.7%); Vegetation (0.6%)								
Dietary Composition	Terrestrial: Reptiles (7.1%); Rodents (48.0%); Lagomorphs (15.9%); Birds (1.0%); Arthropods (11.8%); Vegetation (15.5%) Marine: Birds (0.3%)			%	NR	NR	MEXICO	dc	51
Dietary Composition	Seeds (54.8%); Fruit (56.9%); Insects (44.1%); California voles (12.9%); Lagomorphs (10.8%); Cricetine rodents (62.4%); Birds (5.4%); California ground squirrels (4.3%); Gophers (2.2%); Amphibians/Reptiles (2.2%)			%	NR	NR	Fresno; Kings; CA	dd	52
Food Ingestion Rate			5.2 - 13.1	%/d	B	Both Adult and Juv.	WI	de	53
Food Ingestion Rate			26.3 - 36.4	g/kg/d	B	Juvenile	Lab	df	54
Growth Rate	0.31			kg/wk	B	Juvenile	Lab	dg	1
Home Range	15.7	4.2 SE	2.1 - 47.7	km2	B	Adult	AZ	dh	55
Home Range	6.0	1.6 SE		km	B	Adult	CANADA	di	3
Home Range	24.2	20.7 SD		km2	F	Adult	NE	dj	56
Home Range	17.0	20.7 SD		km2	F	Adult	CANADA	dk	15
Home Range	68.7	89.1 SD	4.9 - 233.0	km2	F	Adult	OK	dl	24
Home Range	7.8		7.0 - 9.3	km2	F	Adult	MT	dm	57
Home Range	29.3	2.4 SE		km2	F	Adult	ID	dn	58
Home Range	16			km2	F	Adult	MN	do	10
Home Range	17.1	3.2 SE		km2	F	Adult	VT	dp	59
Home Range	28.2	16.6 SD		km2	M	Adult	NE	dq	56
Home Range	7.7	4.2 SD		km2	M	Adult	CANADA	dr	15
Home Range	31.3	42.5 SD	4.0 - 106.2	km2	M	Adult	OK	ds	24
Home Range	9.7		0.3 - 15.5	km2	M	Adult	MT	dt	57
Home Range	68			km2	M	Adult	MN	du	10
Home Range	18.7	4.6 SE		km2	M	Adult	VT	dv	59
Home Range	106.5	27.7 SD	60.9 - 185.3	km2	B	Both Adult and Juv.	CO	dw	60
Home Range	11.3	5.8 SD	2.8 - 32.0	km2	B	Both Adult and Juv.	CO	dx	60
Home Range	10.1	6.9 (95% CI)		km2	B	Both Adult and Juv.	GA	dy	61
Home Range	review				B	Both Adult and Juv.		dz	62
Home Range	12.6	1.8 SE		km2	B	Both Adult and Juv.	NM	ea	8
Home Range	25.9	6.5 SE		km2	B	Both Adult and Juv.	NM	eb	8
Home Range	1.0	0.7 SD	0.5 - 2.0	km2	B	Juvenile	OK	ec	24
Home Range			5 - 8	km2	B	Juvenile	MN	ed	10
Home Range	29.3	8.9 SE		km	B	Juvenile	CANADA	ee	3
Home Range	39.9	27.6 SD	12.3 - 76.2	km2	F	Juvenile	OK	ef	24
Home Range			5.7 - 16.4	km2	B	NR	CO	eg	17
Home Range	review				NR	NR		eh	16
Home Range	14.6	4.2 SE		km	B	Pup	CANADA	ei	3
Longevity			11.5 - 13.5	yrs	B	Adult	CANADA	ej	3
Longevity	6			yrs	B	Adult	IA	ek	26
Longevity	15			yrs	M	Adult	Lab	el	63

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Longevity	21 yr, 10 mo			yr, mo	NR	Adult	Lab	em	64
Longevity	review				NR	Adult		en	16
Longevity			9 - 12	yrs	NR	Adult	MN	eo	10
Metabolic Rate	10.6		9.8 - 11.6	L O2/kg/d	B	Adult	Lab	ep	65
Metabolic Rate	163.5			kcal/kg	B	Adult	Lab	eq	65
Metabolic Rate	0.0015			watts/g	B	NR	Lab	er	14
Population Density			0.57 - 0.98	#/km2	NR	Adult	WY	es	20
Population Density	0.53	0.04 SD		#/km2	NR	Adult	WY	et	20
Population Density	0.29			#/km2	B	Both Adult and Juv.	CO	eu	17
Population Density	1.37		0.33 SD	#/km2	NR	Both Adult and Juv.	WY	ev	20
Population Density	0.35			#/km2	B	NR	TN	ew	66
Population Density			3.2 - 4.6	#/km2	B	NR	AZ	ex	67
Population Density	1			#/1.4 mi2	B	NR	IA	ey	26
Population Density			0.2 - 0.3	#/10 km2	B	NR	CANADA	ez	27
Population Density	0.5			#/km2	NR	NR	Tehama; CA	fa	30
Population Density	review				NR	NR		fb	16
Population Density			4 - 60	#/100 km2	NR	NR	CANADA	fc	3
Population Density	0.77	0.33 SD		#/km2	NR	Pup	WY	fd	20
Survival/ Mortality	0.87				B	Adult	CO	fe	17
Survival/ Mortality	0.70	0.58 - 0.82 (95% CL)			B	Adult	TX	ff	68
Survival/ Mortality			36 - 42	%	NR	Adult	CANADA	fg	3
Survival/ Mortality	60.9			%	B	Both Adult and Juv.	IA	fh	19
Survival/ Mortality	0.52				B	Juvenile	CO	fi	17
Survival/ Mortality	0.42	0.24 - 0.60 (95% CL)			B	Juvenile	TX	fj	68
Survival/ Mortality	71			%	B	Juvenile	CANADA	fk	3
Time of Hatching or Parturition	Apr. - May				F	Adult	CANADA	fl	15
Time of Mating/ Laying	Jan. - Apr.				B	Adult	CANADA	fm	15
Time of Mating/ Laying	Jan. - Apr.				B	Adult	IA	fn	19
Time of Migration or Dispersal	Oct. - Jan.				B	Both Adult and Juv.	CO	fo	17
Time of Migration or Dispersal	Oct. - Nov.				B	Juvenile	MN	fp	10
Time of Migration or Dispersal	Oct.				B	Juvenile	CANADA	fq	3

Notes

a N=6
b N=4
c N=NR; Rochester, Alberta
d body fat content; N=22; Quebec
e N=36; summer; Quebec; see citation for figure of seasonal changes in % total body fat
f N=NR; winter; Quebec; see citation for figure of seasonal changes in % total body fat
g N=26; July - Sept.; Sagehen Creek Field Station, Truckee (elev., 5000-6300 ft)
h unskinned weight estimated from skinned weight; N=23; fall-winter; New Brunswick and Nova Scotia
i N=13; Age=>3 yrs; Feb. - Mar.; Jornada Experimental Range, Dona Ana County (elev., 1320-1390 m)
j range of means for two adult age groups; excluding those in latter half of gestation; N=43-66; Age=>2.5 - >3.0 yrs; spring and fall; Webb County [lat., 27^o20'-28^o00N; long., 99^o00'-99^o40'W]
k range of average weights; N=NR; Aitkin and Itasca counties

l	N=53; Age=>2 yr; yr-round; Naval Petroleum Reserves (elev., 88 - 473 m)
m	N=5; Age=>2 yr; Dec. - Mar.; Naval Petroleum Reserves (elev., 88 - 473 m)
n	N=28; July - Sept.; Sagehen Creek Field Station, Truckee (elev., 5000-6300 ft)
o	unskinned weight estimated from skinned weight; N=50; fall-winter; New Brunswick and Nova Scotia
p	N=21; Age=>3 yrs; Feb. - Mar.; Jornada Experimental Range, Dona Ana County (elev., 1320-1390 m)
q	range of means for two adult age groups; N=69 - 76; Age=>2.5 - >3.0 yrs; spring and fall; Webb County [lat., 27^o20'-28^o00N; long., 99^o00'-99^o40'W]
r	range of average weights; N=NR; Aitkin and Itasca counties
s	N=82; Age=>2yr; yr-round; Naval Petroleum Reserves (elev., 88 - 473 m)
t	N=16; Age=>2 yr; Dec. - Mar.; Naval Petroleum Reserves (elev., 88 - 473 m)
u	average body weights at various ages; N=3 - 121/age; Age=0.5 - >7.5 yr; Nov. - Mar.; King and Knox counties
v	average body weights at various ages; N=8 - 76/age; Age=0.5 - >7.5 yr; Nov. - Mar.; King and Knox counties
w	equation for predicting body weights (BW, g) of known age (A, days) pups; Age=30 - 154 d; 15; captured near Moscow, ID; see citation for figure of relationship
x	N=47; July - Sept.; Sagehen Creek Field Station, Truckee (elev., 5000-6300 ft)
y	range of average weights; N=NR; Aitkin and Itasca counties
z	N=6; Age=56d
aa	N=6; Age=42d
ab	N=6; Age=10d
ac	N=6; Age=30d
ad	N=6; Age=20d
ae	unskinned weight estimated from skinned weight; N=80; fall-winter; New Brunswick and Nova Scotia
af	range of means for two yearling age groups; N=22 - 32; Age=1.5 - 2.0 yrs; spring and fall; Webb County [lat., 27^o20'-28^o00N; long., 99^o00'-99^o40'W]
ag	N=50; Age=1.0 yr; spring and fall; Webb County [lat., 27^o20'-28^o00N; long., 99^o00'-99^o40'W]
ah	N=40; Age=0.5 yrs; spring and fall; Webb County [lat., 27^o20'-28^o00N; long., 99^o00'-99^o40'W]
ai	N=7; Age=1yr; Dec. - Mar.; Naval Petroleum Reserves (elev., 88 - 473 m)
aj	unskinned weight estimated from skinned weight; N=89; fall-winter; New Brunswick and Nova Scotia
ak	range of means for two yearling age groups; N=19-35; Age=1.5 - 2.0 yrs; spring and fall; Webb County [lat., 27^o20'-28^o00N; long., 99^o00'-99^o40'W]
al	N=32; Age=1.0 yr; spring and fall; Webb County [lat., 27^o20'-28^o00N; long., 99^o00'-99^o40'W]
am	N=38; Age=0.5 yrs; spring and fall; Webb County [lat., 27^o20'-28^o00N; long., 99^o00'-99^o40'W]
an	N=10; Age=1yr; Dec. - Mar.; Naval Petroleum Reserves (elev., 88 - 473 m)
ao	N=6; Age=0d
ap	N=18; captured in Maricopa County, AZ
aq	N=19; Age=<1yr; May; Naval Petroleum Reserves (elev., 88 - 473 m); see citation for figure of seasonal changes in mass
ar	N=13; Age=<1yr; Dec. - Mar.; Naval Petroleum Reserves (elev., 88 - 473 m)
as	N=19; Age=<1yr; May; Naval Petroleum Reserves (elev., 88 - 473 m); see citation for figure of seasonal changes in weight
at	N=28; Age=<1yr; Dec. - Mar.; Naval Petroleum Reserves (elev., 88 - 473 m)
au	estimated by placental scars, number of foeti and 2 litters; N=20; Lower Fraser Valley, British Columbia
av	N=NR
aw	N=16; Pinon Canyon Maneuver Site, Trinidad (elev., 1310-1740 m)
ax	estimated by placental scars; N=59
ay	range of 5 yearly averages; N=5 yrs
az	N=NR; National Elk Refuge, Jackson Hole
ba	N=26; Rochester, Alberta
bb	% of scats containing food item; N=384 scats; Jan. - Sept.; Sagehen Creek Field Station, Truckee; see citation for food items occurring <2% of the time
bc	% frequency of occurrence in stomach contents; N=89; Age=> 1 yr; Naval Petroleum Reserves (elev., 88-473m) [lat., 35^oN; long., 119^oN]
bd	% occurrence of food items in scats; N=452 scats; May - Oct.; see citation for seasonal changes in adult and pup diets
be	overall % occurrence in scats; N=361 scats; yr-round; Wichita Mountains National Wildlife Refuge; see citation for seasonal changes in diet
bf	% frequency of occurrence of items identified from stomach contents; N=265; fall-winter; New Brunswick and Nova Scotia
bg	% occurrence of 11 most common items in stomach contents; N=168; yr-round; Ozarks, Ouachitas, Coastal Plain and Delta; see citation for detailed list of food items and figure of seasonal changes in diet
bh	% of scats containing food item; N=23 scats; July - Sept.; Sagehen Creek Field Station, Truckee

bi	% frequency of occurrence in stomach contents; N=59; Naval Petroleum Reserves (elev., 88-473m) [lat., 35^oN; long., 119^oN]; 1 yr
bj	% frequency of occurrence in stomach contents; N=59; Naval Petroleum Reserves (elev., 88-473m) [lat., 35^oN; long., 119^oN]; <1 yr
bk	% volume of principal foods in stomachs, body weight range 14.5 - 37.0 lbs; N=151; Jan. - Mar.; see citation for detailed list of food items
bl	% volume of principal foods in scats; N=147; Apr. - Oct.; see citation for detailed list of food items
bm	figure of monthly average volume (%) of food items in scats during 2 summers; N=666 scat samples; May-Oct; Gaspesie Conservation Park and Chic-Chocs Game Reserve [lat., 49^o00N'; long., 66^o00' W]
bn	computed % by weight of total recorded prey; based on scat analysis; N=1173 scats; yr-round; San Joaquin Experimental Range
bo	annual diet determined by averaging monthly food type percent occurrence, obtained from scats; N=570-3610 scats/sample; yr-round; Welder Wildlife Refuge, Corpus Christi; see citation for figure of seasonal changes in diet
bp	% scat volume; N=862; Lower Fraser Valley, British Columbia; see citation for figure of seasonal changes in diet
bq	annual average % relative frequency of occurrence in scats; N=1042 scats; yr-round; Red Bluff; see citation for seasonal changes in diet listed by species
br	% frequency of occurrence in stomach contents; N=136; yr-round; Cleveland, Grady and McClain Counties; see citation for detailed list of food items (species level)
bs	% frequency of occurrence in stomach contents estimated over 6 yrs; N=242; yr-round; Naval Petroleum Reserves, Bakersfield (elev., 88-473m); see citation for seasonal changes in diet
bt	figure of seasonal changes in diet based on scat analysis; mean % volume of food items; N=3270 scats; yr-round; Pinon Canyon Maneuver Site, Las Animas County (elev., 1310 - 1740 m)
bu	% of scats containing food item; N=152 scats; summer - fall; Billings County; see citation for detailed list of food items
bv	% frequency of occurrence of items in scats; N=97 scats; Dec.; El Cajon, near San Diego; see citation for detailed list of food items
bw	range of % relative dry weight of major food items (>5%) measured at 3 sites, based on scat analysis; N=42 - 48/ site; Montezuma, La Plata and Saguache Counties; see citation for detailed list of food items
bx	annual % occurrence of prey items identified in scats; N=449 scats; yr-round; rural area near Saguaro National Monument; see citation for seasonal change in diet
by	annual % occurrence of prey items identified in scats; N=667 scats; yr-round; suburban area near Saguaro National Monument; see citation for seasonal change in diet
bz	overall % occurrence of major food items (>5%) in scats; N=759 scats; yr-round; Appleton-Whittel Research Ranch, Santa Cruz County (elev., 1500 m); see citation for detailed food item list and seasonal changes in diet
ca	% occurrence of food items in scats; N=54; May - Aug.; Rocky Flats Nuclear Weapons Plant, Denver
cb	% frequency of food items in scats; N=199; fall; Sierra National Forest (elev. 300 -3900 m); see citation for species list of small mammal food items
cc	% frequency of food items in scats; N=60; spring; Sierra National Forest (elev. 300 -3900 m); see citation for species list of small mammal food items
cd	% frequency of food items in scats; N=216; summer; Sierra National Forest (elev. 300 -3900 m); see citation for species list of small mammal food items
ce	% frequency in scats; N=404 scats; June - Sept.
cf	annual % frequency of occurrence in scats; N=844; yr-round; Willamette National Forest, Lane County (elev., 500-1500 m); see citation for seasonal changes in diet
cg	% occurrence of major food items (>1%) in scats; N=223 scats; Nov., Jan, Apr., July; East Mesa, Cuyamaca Rancho State Park (elev., 1525 m)
ch	range of percent distribution of prey items over 8 yrs; N=2335 scats; Jan - Mar.; Webb County
ci	% occurrence of major (>1.9%) food items in scats; N=51 scats; May - Aug.; Big Creek Ranger District
cj	overall % volume of stomach contents; N=297; southern region; see citation for seasonal changes in diet and detailed list of food items
ck	overall % volume of stomach contents; N=94; eastern region; see citation for seasonal changes in diet and detailed list of food items
cl	overall % volume of stomach contents; N=611; northeast region; see citation for seasonal changes in diet and detailed list of food items
cm	overall % volume of stomach contents; N=407; coastal region; see citation for seasonal changes in diet and detailed list of food items
cn	overall % volume of stomach contents; N=813; inland Sierra region; see citation for seasonal changes in diet and detailed list of food items
co	% volume of food items in stomach contents; N=222; winter; see citation for detailed list of prey items
cp	% weight of item in stomach contents; N=1204; winter; Aitkin and Itasca counties
cq	% frequency of occurrence in scats; N=164; summer; National Bison Range (elev., 696-1361 m)
cr	% frequency of occurrence of items in scats; N=250; winter; National Bison Range (elev., 696-1361 m)
cs	% frequency of occurrence in scats; N=211; spring; National Bison Range (elev., 696-1361 m)
ct	% frequency of occurrence of items in scats; N=315; fall; National Bison Range (elev., 696-1361 m)
cu	relative dry weight ingested, estimated from scats; N=979 scats; yr-round; Idaho National Engineering Lab
cv	% volume, determined from stomach contents; N=344; yr-round; Rochester, Alberta; see citation for scat analysis
cw	% frequence of occurrence of major (>2%) food items in scats; N=310 scats; yr-round; northcentral, southcentral and northeast regions
cx	% of scats containing each prey item; N=23; fall; Concord Naval Weapons Station
cy	% of scats containing each prey item; N=23; spring; Concord Naval Weapons Station
cz	% of scats containing each prey item; N=42; summer; Concord Naval Weapons Station
da	% of scats containing each prey item; N=21; winter; Concord Naval Weapons Station
db	average percent occurrence of item in scats from 4 coastal sites; N=152; May - Oct.; Bahia de los Angeles, Baja California del Norte [lat., 28^o55' N; long., 113^o30' W]
dc	average percent occurrence of item in scats from 4 inland sites; N=170; May - Oct.; Bahia de los Angeles, Baja California del Norte [lat., 28^o55' N; long., 113^o30' W]
dd	overall % frequency of occurrence of prey items in scats; N=93 scats; July - Dec.; Lemoore Naval Air Station; see citation for monthly breakdown of dietary composition
de	% body weight/d based on a deer and snowshoe hare diet; N=3 animals/ 1-2 time periods; Dec. - Mar.; Chequamegon National Forest; coyote weight range 8.1 - 10.8 kg

df	range of daily dry matter intake per unit metabolic weight (g food/body weight^0.75) for deer, hare or mice diets; N=4; Age=9 mo; captured in Aroostook County, ME
dg	N=6; Age=0 - 8 wks; see citation for figure of weights at ages 0-40d
dh	overall annual home range estimated using the minimum convex polygon method; N=9; yr-round; Saguaro National Park, Pima County (elev., 800-1300m)
di	mean distance moved by coyotes marked in 1964-1968 and relocated by 1976; N=18; Rochester, Alberta
dj	composite home range estimated by minimum area method; N=4; yr-round; Lancaster and Cass Counties
dk	95% home range estimated by minimum convex polygon method; N=3; Lower Fraser Valley, British Columbia
dl	minimum area home range; N=6; Apr. - Aug.; Wichita Mountains National Wildlife Refuge
dm	mean den area; land area around a den or rendezvous used by group; N=3; summer; Missouri River Breaks
dn	estimated by modified minimum area method; N=4; Idaho National Engineering Laboratory
do	N=25; Aitkin and Itasca counties
dp	N=4; yr-round; Champlain Valley
dq	composite home range estimated by minimum area method; N=5; yr-round; Lancaster and Cass Counties
dr	95% home range estimated by minimum convex polygon method; N=6; Lower Fraser Valley, British Columbia
ds	minimum area home range; N=5; Feb. - Oct.; Wichita Mountains National Wildlife Refuge
dt	mean den area; land area around a den or rendezvous used by group; N=12; summer; Missouri River Breaks
du	N=25; Aitkin and Itasca counties
dv	N=7; yr-round; Champlain Valley
dw	mean annual home range of transient coyotes; N=16; yr-round; Pinon Canyon Maneuver Site, Las Animas County (elev., 1310-1740 m); see citation for seasonal changes in home range
dx	mean annual home range of resident coyotes; N=56; yr-round; Pinon Canyon Maneuver Site, Las Animas County (elev., 1310-1740 m); see citation for seasonal changes in home range
dy	overall home range estimated by minimum convex method (95% probability); N=12; yr-round; McRae and Irwin Counties; see citation for seasonal changes in home range
dz	N=NR
ea	85% harmonic mean estimate of home range for "territorial" class; N=13; Mar. - May; Jornada Experimental Range, Dona Ana County (elev., 1320-1390 m)
eb	85% harmonic mean estimate of home range for "transient" class; N=12; Mar. - May; Jornada Experimental Range, Dona Ana County (elev., 1320-1390 m)
ec	minimum area home range; N=4; Age="pups"; June - Aug.; Wichita Mountains National Wildlife Refuge
ed	prior to dispersal; N=50; Aitkin and Itasca counties
ee	mean distance moved by coyotes marked in 1964-1968 and relocated by 1976; N=22; Rochester, Alberta
ef	minimum area home range; N=4; Feb. - Aug.; Wichita Mountains National Wildlife Refuge
eg	range across 4 yrs and 4 habitat types; N=4 - 16/sample; Pinon Canyon Maneuver Site, Trinidad (elev., 1310-1740 m)
eh	N=NR
ei	mean distance moved by coyotes marked in 1964-1968 and relocated by 1976; N=28; Rochester, Alberta
ej	oldest female and male; N=NR; Rochester, Alberta
ek	maximum age in field; N=NR
el	maximum lifespan; N=1
em	captive longevity record; N=NR
en	N=NR
eo	oldest age; less than 1% of population; N=960; Aitkin and Itasca counties
ep	yearly mean basal metabolic rate; range of seasonal means; N=4; yr-round; see citation for figure of metabolic rate at various temperatures
eq	field metabolic rate estimated as 3 times basal metabolic rate; N=4; yr-round
er	basal metabolic rate at 22-26C estimated via oxygen consumption; N=3; captured in Maricopa County, AZ; see citation for figure of metabolic rates at various temperatures
es	peak density; N=NR; winter; National Elk Refuge, Jackson Hole
et	N=NR; Apr.-July; National Elk Refuge, Jackson Hole
eu	pre-whelping density; N=NR; Pinon Canyon Maneuver Site, Trinidad (elev., 1310-1740 m)
ev	post-whelping population density; N=NR; National Elk Refuge, Jackson Hole
ew	minimum density; N=34; Jan.-Mar.; Gibson and Carroll Counties
ex	range over 6 counting periods; N=28-40/period; Nov. - Dec. and Jan. - Mar.; Saguaro National Monument
ey	greatest density; N=NR; late winter
ez	range of density estimates; N=NR; May-July; Gaspesie Conservation Park and Chic-Chocs Game Reserve [lat., 49^o00N'; long., 66^o00' W]
fa	N=NR; Red Bluff
fb	N=NR

fc	range of minimum and maximum densities over 3 yrs; N=NR; winter; Rochester, Alberta
fd	N=NR; spring; National Elk Refuge, Jackson Hole
fe	mean annual survival rate; N=52; Age=> 2yrs; Pinon Canyon Maneuver Site, Trinidad (elev., 1310-1740 m); see citation for seasonal survival rates
ff	overall annual survival rate (autumn-autumn), estimated over 4 yr periods; N=88; Age=> 1.5 yr; Webb County; see citation for seasonal rates
fg	mortality rate; N=NR; Age=> 1 yr; Rochester, Alberta; see citation for life table
fh	mean survival rate estimated from population age structure data; N=NR
fi	mean annual survival rate; N=16; Age=1-2 yrs; Pinon Canyon Maneuver Site, Trinidad (elev., 1310-1740 m)
fj	overall annual survival rate (autumn-autumn), estimated over 3 yr periods; N=38; Age=0.5 - 1.5 yr; Webb County
fk	mortality rate; N=NR; Age=0 - 1 yr; Rochester, Alberta; see citation for life table
fl	N=10 litters; Lower Fraser Valley, British Columbia
fm	N=10; Lower Fraser Valley, British Columbia
fn	breeding; N=NR
fo	N=13; Pinon Canyon Maneuver Site, Trinidad (elev., 1310-1740 m)
fp	N=NR; Aitkin and Itasca counties
fq	dispersal; N=NR; Rochester, Alberta

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