Cal/Ecotox
Exposure Factors for Striped Skunk (Mephitis mephitis)*

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Age at Fledging, Metamorphosis, Weaning	8		8-10	weeks	B	Pup	Lab	a	1
Age at Sexual Maturity	10			months	F	Adult	Lab	b	2
Body Fat (total or %)	10.1	2.1 SE		%	M	Adult	Lab	c	3
Body Fat (total or %)	31.9	1.3 SE		%	M	Adult	Lab	d	3
Body Weight - Mean			2.1-4.0	kg	F	Adult	CANADA	e	4
Body Weight - Mean	4.4	0.2		lb	F	Adult	IL	f	5
Body Weight - Mean			2.9-6.2	kg	M	Adult	CANADA	g	4
Body Weight - Mean	6.2	0.2		lb	M	Adult	IL	h	5
Body Weight - Mean	3769	1.91 SE		g	M	Adult	CANADA	i	3
Body Weight - Mean	2584	20.9 SE		g	M	Adult	CANADA	j	3
Body Weight - Mean	2.81	0.14 SE	1.83-3.50	kg	M	Both Adult and Juv.	MN	k	6
Body Weight - Mean	2.05	0.38 SE	1.40-3.35	kg	M	Both Adult and Juv.	MN	l	6
Body Weight - Mean	2.85	0.22 SE	1.50-4.25	kg	M	Both Adult and Juv.	MN	m	6
Body Weight - Mean	3.84	0.19 SE	2.45-5.20	kg	M	Both Adult and Juv.	MN	n	6
Body Weight - Mean	2.19	0.17 SE	1.18-2.85	kg	M	Both Adult and Juv.	MN	o	6
Body Weight - Mean	1.74	0.10 SE	1.35-2.15	kg	M	Both Adult and Juv.	MN	p	6
Body Weight - Mean	1.65	0.07 SE	1.30-1.90	kg	M	Both Adult and Juv.	MN	q	6
Body Weight - Mean	2.48	0.30 SE	1.75-3.65	kg	M	Both Adult and Juv.	MN	r	6
Body Weight - Mean	3.2	0.7 SD		kg	F	Juvenile	CANADA	s	4
Body Weight - Mean	0.07	0.1 SD		kg	F	Juvenile	CANADA	t	4
Body Weight - Mean	4.7	1.5 SD		kg	M	Juvenile	CANADA	u	4
Body Weight - Mean	0.07	0.1 SD		kg	M	Juvenile	CANADA	v	4
Body Weight - Mean			33.5-35.5	g	F	Neonate	NY	w	7
Body Weight - Mean	33.4			g	NR	Neonate	IL	x	5
Body Weight - Mean	3063			g	F	NR	CANADA	y	8
Body Weight - Mean	4654			g	M	NR	CANADA	z	8
Clutch or Litter Size	4.38	2.38 SD		pups/litter	F	Adult	Lab	aa	1
Clutch or Litter Size	7.2	0.4 SE		pups/litter	F	Adult	ND	ab	9
Clutch or Litter Size	4.28		1-10	pups/litter	F	Adult	Lab	ac	10
Clutch or Litter Size			2.5 (0.4SE) - 5.2 (0.8 SE)	pups/litter	F	Adult	CANADA	ad	11
Clutch or Litter Size	6.8			pups/litter	F	Adult	CANADA	ae	4
Clutch or Litter Size			3-4	pups/litter	F	Adult	Lab	af	2
Clutch or Litter Size	review				F	Adult		ag	12
Clutch or Litter Size	7.3	0.25	5-9	pups/litter	F	Adult	IL	ah	5
Clutch or Litter Size	5.6	0.38 SE	3-7	fetuses	F	Both Adult and Juv.	MN	ai	13
Clutch or Litter Size	5.8	0.66 SE	3-10	placental scars	F	Both Adult and Juv.	MN	aj	13
Clutch or Litter Size	6.5	0.65 SE	5-8	placental scars	F	Both Adult and Juv.	MN	ak	13
Clutch or Litter Size	8.0	1.0 SE	7-9	fetuses	F	Both Adult and Juv.	MN	al	13
Clutch or Litter Size	3.83	1.97 SD		pups/litter	F	Juvenile	Lab; NY	am	1
Clutch or Litter Size	5.8		3-8	embryos	F	Neonate	NY	an	7
Dietary Composition	insects 43.06; fruits 27.56; mammals 16.25; grains 8.69; Carrion 1.76; Birds 1.46; reptiles, amphibians 1.14.			%			NY	ao	14

Endpoint Type	Endpoint Value	Error	Range	Units	Sex	Life Stage	Location	Note	Reference
Dietary Composition	Fruit 26.7; mammals 19.6; insects 6.8; grasses, leaves, buds 10.8; Carrion 13.5; grains, nuts 11.3; garbage 6.8; earthworms 0.9; birds 1.9; reptiles, amphibians 1.4; crustaceans 0.3; mollusks trace			%			NY	ap	14
Dietary Composition	see citation				B	Adult	IL	aq	5
Dietary Composition			53.5-70.1	%	NR	NR	MI	ar	15
Dietary Composition			15-100	% grasshoppers	NR	NR	NY	as	16
Duration of Incubation or Gestation	63			days	B	Embryo	Lab	at	17
Duration of Incubation or Gestation	61.5		59-65	d	B	Embryo	Lab	au	10
Duration of Incubation or Gestation			59-77	days	B	Embryo	Lab	av	10
Duration of Incubation or Gestation			59-77	d	B	Embryo	Lab	aw	18
Duration of Incubation or Gestation			66-75	d	B	Embryo	Lab	ax	2
Duration of Incubation or Gestation	review				B	Embryo		ay	12
Duration of Incubation or Gestation	62-66			d	B	Embryo	IL	az	5
Food Ingestion Rate	review				B	Adult		ba	12
Home Range	1970	170 SE	700-4200	m	F	Adult	CANADA	bb	11
Home Range	2556	231SE	1200-4050	m	M	Adult	CANADA	bc	11
Home Range	2.7		0.7-4.6	km2	B	Juvenile	CANADA	bd	19
Home Range	4150	1191 SE	650-21750	m	F	Juvenile	CANADA	be	11
Home Range	3310	410 SE	850-10100	m	M	Juvenile	CANADA	bf	11
Home Range	242	119 SD		ha	F	NR	CANADA	bg	20
Home Range	308	170 SD		ha	M	NR	ND	bh	20
Longevity	6			years	NR	Adult	Lab		1
Metabolic Rate	review				B	Adult		bi	12
Metabolic Rate	142	5 SE		kcal/d	M	Adult	CANADA	bj	3
Population Density			0.7-1.2	animals/km2	NR		CANADA	bk	11
Population Density	review				B	Adult		bl	12
Population Density	12			animals/mi^2	B	NR	OH	bm	21
Survival/ Mortality	59.81			%	B	Pup	Lab	bn	1
Time of Hatching or Parturition	second half of July				B		Lab; NY	bo	10
Time of Hatching or Parturition	mid April-mid May				B	Embryo	OH	bp	21
Time of Hatching or Parturition	May-early June				B	Neonate	Lab	bq	10
Time of Hatching or Parturition	review				B	Neonate		br	12
Time of Mating/ Laying	second half of May				B	Adult	Lab	bs	10
Time of Mating/ Laying	mid-February-mid April				B	Adult	Lab	bt	10
Time of Mating/ Laying	21 Feb-5 April				B	Adult	Lab	bu	18
Time of Mating/ Laying	mid February-mid March				B	Adult	OH	bv	21
Time of Mating/ Laying	review				B	Adult		bw	12
Time of Mating/ Laying	Feb/Mar				B	Adult	IL	bx	5

Notes

a N=2-12 litters; weaning rate dep. on litter size

b	N=1 female
c	N=5; spring; Delta Marsh Mannitoba
d	N=5; fall; Delta Marsh Mannitoba
e	N=556 females; Saskatchewan; Alberta; annual weight range; see table 2 for monthly weights
f	N=82
g	N=284 males; Saskatchewan; Alberta; annual weight range; see table 2 for monthly weights
h	N=115
i	N=5; fall; Delta Marsh Mannitoba; fall
j	N=5; spring; Delta Marsh Mannitoba; spring
k	N=16 animals; Age=> 1.5 years; fall; Bearville study area; Itasca county
l	N=5 animals; Age=> 2 years; fall; Bearville study area; Itasca county
m	N=15 animals; Age=> 2 years; spring; Bearville study area; Itasca county
n	N=15 animals; Age=>1.5 years; fall; Bearville study area; Itasca county
o	N=11 animals; Age=0.5 years; fall; Bearville study area; Itasca county
p	N=10 animals; Age=1.0 years; spring; Bearville study area; Itasca county
q	N=10 animals; Age=0.5 years; fall; Bearville study area; Itasca county
r	N=6 animals; Age=1 year; spring; Bearville study area; Itasca county
s	N=58 juveniles; October; Saskatchewan; Alberta; Table 2 has bi-monthly body weight data
t	N=6 juveniles; May; Saskatchewan; Alberta
u	N=18 juveniles; November; SasKatchewan; Alberta; see table 2 for bi-monthly weight gain
v	N=7 juveniles; May; Saskatchewan; Alberta; Table 2 has bi-monthly body weight for 12 month
w	newborn; N=3 embryos
x	N=12; birth weight
y	without fur; N=2 females; summer; Manitoba; Ontario
z	without fur; N=1 male; summer; Manitoba; Ontario
aa	N=48 females; May-June
ab	live embryo counts; N=178 females; Age=primarily 1 and 2 years old; Mar-July; east-central North Dakota; west -central Minnesota
ac	N=118 litters
ad	range of mean litter sizes for two years; N=15 litters; Tofield 15 deg.N,112 deg. W east central Alberta
ae	embryos; all ages; N=87 females; May; Saskatchewan; Alberta
af	N=1 female
ag	N=NR
ah	N=21
ai	N=10 animals; Age=1-1.5 years; April-May; August-October
aj	N=13 animals; Age=> 2 years; April-May; August-October
ak	N=5 animals; Age=1-1.5 years; April-May; August-October
al	N=4 animals; Age=>2 years; April-May; August-October
am	N=29 females; May-June; subadult females
an	examination of reproductive tract; N=40 females
ao	frequency %; stomach and fecal analysis; N=570 fecal analyses; 50 stomach analyses; fall and winter
ap	% by bulk; stomach analysis; N=1067 animals; fall and winter; fall and winter food
aq	stomach contents and fecal analysis; N=149; 20
ar	insects; % by volume; scat analysis; N=952 scats; Mar-Oct; paper has tables which identify insects by family
as	percent grasshoppers in stomach contents (43% of animals examined); N=230 animals; Nov-Feb.; Ithaca
at	N=1 animal
au	second estrus; N=4 females
av	N=59 females
aw	N=118 litters/females
ax	N=1 female

ay	N=NR
az	N=3
ba	N=NR; milk intake
bb	home range, as indexed by greatest distance between captures; N=30 females; Tofield 15 deg.N,112 deg. W east central Alberta
bc	home range, as indexed by greatest distance between captures; N=17; Tofield 15 deg.N,112 deg. W east central Alberta
bd	N=8 animals; August; Alberta 49 deg. N, 112 deg. 45' W
be	home range, as indexed by greatest distance between captures; N=19 juveniles; Tofield 15 deg.N,112 deg. W east central Alberta
bf	home range, as indexed by greatest distance between captures; N=29 juveniles; Tofield 15 deg.N,112 deg. W east central Alberta
bg	N=24 animals; spring; Walum, ND
bh	N=15 males; spring; Walum, ND
bi	N=NR
bj	calculated basal metabolic rate; N=5; fall; Delta Marsh Mannitoba; calculated
bk	N=NR; Tofield 15 deg.N,112 deg. W east central Alberta
bl	N=NR
bm	N=NR; late summer; Magee Marsh; Ottawa natll. wildlife refuge
bn	mortality 0-2 months; N=321 pups; Age=0-2 months
bo	second estrus; N=4 females
bp	N=NR; Magee Marsh; Ottawa natll. wildlife refuge
bq	N=118 females
br	N=NR
bs	second estrus; N=4 females
bt	N=25-200 animals; optimal breeding period from Mar 15-21
bu	N=NR; Feb-Apr
bv	N=NR; Feb/Mar; Magee Marsh; Ottawa natll. wildlife refuge
bw	N=NR
bx	N=19

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