
MAMMALS

38th ANNUAL SASKATCHEWAN CHRISTMAS MAMMAL - 2010

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All but two of the 85 Christmas Bird Counts (CBC) submitted also included a mammal count. The number of mammals seen or heard (3635) and the number of species recorded (30) was slightly below average for the last decade. Indian Head led with 12 species seen or heard; Regina was the runner-up with 11.

No new species were added to the all time species total. A noteworthy record was 10 raccoons at Weyburn establishing a new high count for this species; the previous high was 5 at Fort Qu'Appelle on 21 December 1996. Another record of interest was a bobcat identified by tracks on the Broadview count; there are only a handful of previous records.

For information on participants, weather, coverage and location of Christmas Mammal Counts (CMC) see the CBC summary in this issue.

Explanation of Entries in Table 1.

The number of mammals actually seen or heard on the count day is treated separately from those recorded by other means, or those recorded during the count period (14 December to 5 January) but not on the count day. Numbers of individuals seen or heard are given in Table 1 and are tallied in the first line of totals at the bottom of the table. The number of species they represent is given in the second line.

For species only detected by tracks or by other means, or that were seen or heard only in the count period but not on the count day, no numbers of individuals are given in Table 1. Species detected only by tracks are indicated by 't' in the table; those detected only by other means are indicated as follows: dead animals: 'm', more clearly identifiable chewing or digging: 'd', dens or lodges: 'L', and by smell: 's.' Species detected by any means during the count period, but not on the count day, are indicated by 'c' in the table. These additional species are tallied in lines 3, 4, and 5 at the bottom of the table. If a mammal is reported as member of a species group (e.g., mouse species, deer species), it is counted as a species only if no other species in this group has been definitely recorded. The columns at the end of the table give totals for each species.



Red fox (Vulpes vulpes).

Christian Artuso

Table 1-1. 38th Saskatchewan Christmas Mammal Count - 2010.

Map number	1	2	3	4	5	6	7	8	9	10	11	12	13
	Archerwill, 15 Dec 2010	Avonlea, 21 Dec 2010	Bangor	Biggar, 27 Dec 2010	Birch Hills, 20 Dec 2010	Broadview, 26 Dec 2010	Bromhead, 2 Jan 2011	Cabri, 4 Jan 2011	Candle Lake, 30 Dec 2010	Cater, 1 Jan 2011	Christopher Lake, 17 Dec 2010	Churchbridge, 23 Dec 2010	Clark's Crossing, 18 Dec 2010
SPECIES													
Shrew species									t				
Eastern Cottontail													
Nuttall's Cottontail													
Snowshoe Hare	c	1		t	t	1			3	t	t		t
White-tailed Jack Rabbit	1	c	4	t		t	1	t				t	1
Richardson's Ground Squirrel													
Eastern Grey Squirrel													
Eastern Fox Squirrel		3				2							
American Red Squirrel	4				12	5			6	1	2	5	1
Northern Flying-Squirrel													
Northern Pocket Gopher													
American Beaver						L			L	L		L	
Deer Mouse						t			t				
Muskrat						L				L			
Gapper's Red-Backed Vole													
Meadow Vole													
Vole species				t	t	t			t				
House Mouse													
Mouse species	t				t			t	t				
American Porcupine	t		7	c		1							
Coyote	t	3	6	1	4	2	2	t	t			1	4
Gray Wolf									t				
Red Fox			1		t	3	1				t	3	1
Raccoon					t								
American Marten									t				
Fisher									t				
Ermine					t	t			t				
Long-tailed Weasel				2		t			t	m		t	
Least Weasel						t			t				
Weasel species	t												
American Mink						t			t				
American Badger			d		1							L	
Striped Skunk					t	t				s			
River Otter									t				
Bobcat						t							
Canada Lynx									t				
Mule Deer		32		46						5		1	
White-tailed Deer	7	165	104	11	1	6	57		35	16	2	11	11
Deer species					t	t		t					t
Moose	c			c		t	1		2	c			
Elk	c												
Pronghorn		54											
Totals seen/heard on count day	12	258	122	60	18	20	62	0	46	22	4	21	18
Total species seen/heard	3	6	5	4	4	7	5	0	4	3	2	5	5
Total species recorded by tracks	4	0	0	3	8	11	0	4	14	1	2	2	2
Total species otherwise recorded	0	0	1	0	0	2	0	0	1	4	0	2	0
Species recorded count period	3	1	0	2	0	0	0	0	0	1	0	0	0
Total species count period and day	10	7	6	9	11	19	5	4	19	9	4	9	6

Table 1-2. 38th Saskatchewan Christmas Mammal Count - 2010.

Map number	14	15	16	17	18	19	20	21	22	23	24	25	26
	Codette Lake, 1 Jan 2011	Cold Lake, 25 Dec 2010	Coronach, 4 Jan 2011	Craven, 18 Dec 2010	Creighton, 1 Jan 2011	Crooked Lake, 24 Dec 2010	Crooked River, 22 Dec 2010	Cypress Hills P.P., 30 Dec 2010	Denholm, 25 Dec 2010	Eastend, 4 Jan 2011	Edenwold, 27 Dec 2010	Endeavour, 26 Dec 2010	Estevan, 31 Dec 2010
SPECIES													
Shrew species				t									
Eastern Cottontail													1
Nuttall's Cottontail										3			
Snowshoe Hare	2	t		t	t	t			1			t	
White-tailed Jack Rabbit										t			1
Richardson's Ground Squirrel													
Eastern Grey Squirrel				3									
Eastern Fox Squirrel				2							1		4
American Red Squirrel	9	3		4	5	5	3	5	c			2	
Northern Flying-Squirrel									1				
Northern Pocket Gopher									d				
American Beaver						L			L				
Deer Mouse	t			t	t					t			
Muskrat						1							1
Gapper's Red-Backed Vole									1				
Meadow Vole				1								1	
Vole species	t			t	1								t
House Mouse													
Mouse species			t										
American Porcupine				1				1	t		2	t	3
Coyote	4	1	t	5	t			3	2	13	5	1	2
Gray Wolf													
Red Fox	t			2	t	1				t			
Raccoon													
American Marten													
Fisher													
Ermine	t												
Long-tailed Weasel	t				t				c				
Least Weasel				t									
Weasel species				t						t			
American Mink										t			
American Badger						d				1			
Striped Skunk													
River Otter					t								
Bobcat													
Canada Lynx													
Mule Deer				29				8	4	141		1	73
White-tailed Deer	6	1	16	126		7	t	15	c	34		6	14
Deer species	t	t											
Moose					t		c	1	c	1		3	
Elk	t												
Pronghorn													
Totals seen/heard on count day	21	5	16	173	6	14	3	33	9	193	8	14	99
Total species seen/heard	4	3	1	9	2	4	1	6	5	6	3	6	8
Total species recorded by tracks	7	2	2	5	7	1	1	0	1	5	0	2	1
Total species otherwise recorded	0	0	0	0	0	2	0	0	2	0	0	0	0
Species recorded count period	0	0	0	0	0	0	1	0	4	0	0	0	0
Total species count period and day	10	4	3	13	9	7	3	6	12	11	3	8	9

Table 1-3. 38th Saskatchewan Christmas Mammal Count - 2010.

Map number	27	28	29	30	31	33	34	36	37	38	39	40	41
	Estuary North, 5 Jan 2011	Fenton, 21 Dec 2010	Fort Qu'Appelle, 16 Dec 2010	Gardiner Dam, 20 Dec 2010	Good Spirit Lake, 21 Dec 2010	Harris, 16 Dec 2010	Hazlet, 27 Dec 2010	Indian Head, 30 Dec 2010	Kelvington, 2 Jan 2011	Kenaston, 18 Dec 2010	Kenosee Lake, 18 Dec 2010	Ketchen, 26 Dec 2010	Kilwinning, 28 Dec 2010
SPECIES													
Shrew species									t				c
Eastern Cottontail													
Nuttall's Cottontail	1			3			t						
Snowshoe Hare		t	1	t	t	t		5	t	t	t		
White-tailed Jack Rabbit	1			1	1	t	t	3	c				t
Richardson's Ground Squirrel													
Eastern Grey Squirrel													
Eastern Fox Squirrel								5					
American Red Squirrel		4	18		3			19	3		3	2	6
Northern Flying-Squirrel													
Northern Pocket Gopher													
American Beaver					L			2		L	L	L	
Deer Mouse										t			
Muskrat			1										
Gapper's Red-Backed Vole													
Meadow Vole						1							
Vole species	6			t									c
House Mouse			c						t				
Mouse species				t		t			t				
American Porcupine	1		1	4	t				c	1			m
Coyote	1	t	2	10	t	t		9	c	t	1		1
Gray Wolf													
Red Fox		t	c	2				1	3	t			
Raccoon								2	t	t			
American Marten													
Fisher													t
Ermine		t								t			
Long-tailed Weasel								3	t				
Least Weasel									t				
Weasel species					t								
American Mink			c					2					
American Badger				1		d	d			L			
Striped Skunk									s	L			
River Otter													
Bobcat													
Canada Lynx													
Mule Deer	66		6	43		24		1	33	3			
White-tailed Deer	24	2	9	166	16	12		42	18	36	18		3
Deer species													t
Moose	9			1	4	t	3		t	t	1	t	t
Elk											2	t	
Pronghorn						12	67						
Totals seen/heard on count day	109	6	38	231	24	49	70	94	57	40	25	2	10
Total species seen/heard	8	2	7	9	4	4	2	12	4	3	5	1	3
Total species recorded by tracks	0	4	0	3	4	5	2	0	7	7	1	3	3
Total species otherwise recorded	0	0	0	0	1	1	1	0	1	3	1	1	1
Species recorded count period	0	0	3	0	0	0	0	0	3	0	0	2	0
Total species count period and day	8	6	10	12	9	9	5	12	15	13	7	7	7

Table 1-4. 38th Saskatchewan Christmas Mammal Count - 2010.

Map number	42	43	44	45	46	47	48	49	50	51	52	53	54
	Kindersley North, 26 Dec 2010	Kinistino, 19 Dec 2010	Kinloch, 3 Jan 2011	Kyle, 23 Dec 2010	La Ronge, 5 Jan 2011	LMNWA-Nokomis, 18 Dec 2010	Leader North, 26 Dec 2010	Love-Torch River, 26 Dec 2010	Luseland, 27 Dec 2010	Macdowall, 30 Dec 2010	Meadow Lake, 26 Dec 2010	Moose Jaw, 16 Dec 2010	Moose Mountain P.P., 3 Jan 2011
SPECIES													
Shrew species								1					
Eastern Cottontail													
Nuttall's Cottontail				1			3						
Snowshoe Hare	1		1			1		t			t		
White-tailed Jack Rabbit					2	2	2	t				t	t
Richardson's Ground Squirrel													
Eastern Grey Squirrel												t	
Eastern Fox Squirrel													
American Red Squirrel		2	4		2			13			L		3
Northern Flying-Squirrel													
Northern Pocket Gopher								d					
American Beaver			L										
Deer Mouse		t		1									
Muskrat						L				L			
Gapper's Red-Backed Vole													
Meadow Vole		t				t		1					
Vole species													
House Mouse													
Mouse species	t						3						
American Porcupine			m	c			3	t		m	t		
Coyote	1		t	t		1	2	1	2		1		
Gray Wolf								t					
Red Fox				c			1	c					
Raccoon													
American Marten													
Fisher													
Ermine													
Long-tailed Weasel								1					
Least Weasel			1										
Weasel species						t							
American Mink			t					t					
American Badger													
Striped Skunk													
River Otter													
Bobcat													
Canada Lynx													
Mule Deer	5		1	c		3	12		5				
White-tailed Deer		8	47	12		43	47	21			8		6
Deer species													
Moose			t	c			1	c	4				1
Elk			c					t					
Pronghorn	c						35						
Totals seen/heard on count day	7	10	54	16	2	50	109	38	11	0	9	0	10
Total species seen/heard	3	2	5	4	1	5	10	6	3	0	2	0	3
Total species recorded by tracks	1	2	3	1	0	2	0	6	0	0	2	2	1
Total species otherwise recorded	0	0	2	0	0	1	0	1	0	2	1	0	0
Species recorded count period	1	0	1	4	0	0	0	2	0	0	0	0	0
Total species count period and day	5	4	11	9	1	8	10	15	3	2	5	2	4

Table 1-5. 38th Saskatchewan Christmas Mammal Count - 2010.

Map number	55	56	57	58	59	60	61	62	63	64	65	66	67
	Morse, 18 Dec 2010	Nipawin, 28 Dec 2010	Nisbet Forest NW, 20 Dec 2010	Nisbet Forest West, 1 Jan 2011	Odessa, 29 Dec 2010	Outlook, 26 Dec 2010	Pierce Lake, 6 Jan 2011	Pike Lake, 3 Jan 2011	Prince Albert, 19 Dec 2010	Qu'Appelle, 30 Dec 2010	Qu'Appelle Dam, 19 Dec 2010	Regina, 27 Dec 2010	Rouleau, 3 Jan 2011
SPECIES													
Shrew species			t					t					
Eastern Cottontail													
Nuttall's Cottontail	t										t		
Snowshoe Hare							t	t	t	t	t	1	
White-tailed Jack Rabbit	5				4	1		1	t	t		22	1
Richardson's Ground Squirrel			t										
Eastern Grey Squirrel												15	
Eastern Fox Squirrel												46	3
American Red Squirrel		2		1				12	1		2	1	
Northern Flying-Squirrel													
Northern Pocket Gopher													
American Beaver									2				L
Deer Mouse			t					t				1	
Muskrat									2				L
Gapper's Red-Backed Vole													
Meadow Vole								t				2	
Vole species	1		t						t				
House Mouse													
Mouse species								t	t				
American Porcupine						1		3	t			t	
Coyote	5	1	t		2		1	3	t		9	12	
Gray Wolf													
Red Fox	14							t	1			1	d
Raccoon													
American Marten													
Fisher													
Ermine									t	1			
Long-tailed Weasel	1							t			2		
Least Weasel								t					
Weasel species												t	t
American Mink												1	
American Badger	d										1		
Striped Skunk													
River Otter							t						
Bobcat													
Canada Lynx													
Mule Deer	19							3			44		
White-tailed Deer	139	4	t		76		t	26	3		40	7	
Deer species							t						
Moose	1							1			1		8
Elk		c											
Pronghorn													
Totals seen/heard on count day	185	7	0	1	82	2	1	49	9	3	99	109	12
Total species seen/heard	8	3	0	1	3	2	1	7	5	1	7	11	3
Total species recorded by tracks	1	0	6	0	0	0	3	8	6	2	2	2	1
Total species otherwise recorded	1	0	0	0	0	0	0	0	0	0	0	2	1
Species recorded count period	0	1	0	0	0	0	0	0	0	0	0	0	0
Total species count period and day	10	4	6	1	3	2	4	14	11	3	9	15	5

Table 1-6. 38th Saskatchewan Christmas Mammal Count - 2010.

Map number	68	69	70	71	72	73	74	75	76	77	78	79	80
	Round Lake (Q.V.), 22 Dec 2010	Saltcoats, 3 Jan 2011	Sask. Landing P.P., 28 Dec 2010	Sask. River Forks, 18 Dec 2010	Saskatoon, 26 Dec 2010	Sawyer Lake, 1 Jan 2011	Shamrock, 29 Dec 2010	Sintaluta, 30 Dec 2010	Snowden, 4 Jan 2011	Spinney Hill, 16 Dec 2010	Squaw Rapids, 1 Jan 2011	Swift Current, 18 Dec 2010	Togo, 5 Jan 2011
SPECIES													
Shrew species					t	c							
Eastern Cottontail	2												
Nuttall's Cottontail			7										3
Snowshoe Hare	t	t		t	t	c		2	t	t	t		t
White-tailed Jack Rabbit	t	c		t	5		15		2	t		3	
Richardson's Ground Squirrel													
Eastern Grey Squirrel					1								7
Eastern Fox Squirrel						c		10					
American Red Squirrel	4	2		3	10				6	6	6		2
Northern Flying-Squirrel						m							
Northern Pocket Gopher													
American Beaver	L					L							
Deer Mouse				t	t				t				
Muskrat										m			
Gapper's Red-Backed Vole													t
Meadow Vole									t				
Vole species	t		1	t	1		1						
House Mouse													
Mouse species			t	t	t								
American Porcupine	1	1	1	t	1	t		1	c				
Coyote	1	7	7		7	1	4	9		1	t	t	4
Gray Wolf				t							t		
Red Fox	1		1		3	t	1	1	1		t		
Raccoon													
American Marten													t
Fisher				t		t							
Ermine				t		t							
Long-tailed Weasel		c		t	2								
Least Weasel					t						t		
Weasel species	t												m
American Mink		c			t	t							
American Badger	d				L		d						
Striped Skunk		s			s	t	s						
River Otter						t							
Bobcat													
Canada Lynx													
Mule Deer	6		42	1	26		39	3		7		25	
White-tailed Deer	21	84	18		25	c	28	28	5	1	1	79	10
Deer species				t	4							44	
Moose			c	t		1							
Elk				t		c							
Pronghorn													
Totals seen/heard on count day	36	94	77	4	85	2	88	54	14	15	7	161	16
Total species seen/heard	7	4	7	2	10	2	6	7	4	4	2	5	3
Total species recorded by tracks	4	1	1	12	6	7	0	0	3	2	5	1	3
Total species otherwise recorded	2	1	0	0	2	2	2	0	0	1	0	0	1
Species recorded count period	0	3	1	0	0	5	0	0	1	0	0	0	0
Total species count period and day	13	9	9	13	17	16	8	7	8	7	7	12	7

Table 1-7. 38th Saskatchewan Christmas Mammal Count - 2010.

Map number	81	82	83	84	85													
	Weyburn, 18 Dec 2010	White Bear, 25 Dec 2010	Whitehead, 28 Dec 2010	Mingard-Fort Carlton, 29 Dec 2010	Yorkton, 29 Dec 2010	# individuals seen/heard count day	# Counts seen/heard	# Counts recorded as tracks	# Counts recorded as other	# Counts, count period	# Counts, count period & count day	High count	% Counts seen/heard					
SPECIES																		
Shrew species						1	1	6	0	2	9	1	1.2					
Eastern Cottontail						3	2	0	0	0	2	2	2.5					
Nuttall's Cottontail						21	7	3	0	0	10	7	8.6					
Snowshoe Hare			6	t		26	13	33	0	1	47	6	16.0					
White-tailed Jack Rabbit			c		t	78	21	17	0	4	42	22	25.9					
Richardson's Ground Squirrel						0	0	1	0	0	1	0	0.0					
Eastern Grey Squirrel						26	4	0	0	0	4	15	4.9					
Eastern Fox Squirrel	4		1			81	11	1	0	1	13	46	13.6					
American Red Squirrel			4	1	2	215	45	0	1	1	47	19	55.6					
Northern Flying-Squirrel						1	1	0	1	0	2	1	1.2					
Northern Pocket Gopher						0	0	0	2	0	2	0	0.0					
American Beaver			L	L		4	2	0	16	0	18	2	2.5					
Deer Mouse						2	2	13	0	0	15	1	2.5					
Muskrat						5	4	0	6	0	10	2	4.9					
Gapper's Red-Backed Vole						1	1	1	0	0	2	1	1.2					
Meadow Vole						6	5	4	0	0	9	2	6.2					
Vole species						11	6	12	0	1	19	6	7.4					
House Mouse						0	0	1	0	1	2	0	0.0					
Mouse species						3	1	13	0	0	14	3	1.2					
American Porcupine			c	c	t	34	18	10	3	6	37	7	22.2					
Coyote	1	2	2	t	2	172	49	15	0	1	65	13	60.5					
Gray Wolf						0	0	4	0	0	4	0	0.0					
Red Fox	1		1			45	22	10	1	3	36	14	27.2					
Raccoon	10					12	2	3	0	0	5	10	2.5					
American Marten						0	0	2	0	0	2	0	0.0					
Fisher						0	0	4	0	0	4	0	0.0					
Ermine						1	1	9	0	0	10	1	1.2					
Long-tailed Weasel						11	6	8	1	2	17	3	7.4					
Least Weasel				t		1	1	8	0	0	9	1	1.2					
Weasel species			t	t	1	1	1	9	1	0	11	1	1.2					
American Mink						3	2	7	0	2	11	2	2.5					
American Badger			d			4	4	0	11	0	15	1	4.9					
Striped Skunk				c		0	0	3	6	1	10	0	0.0					
River Otter						0	0	4	0	0	4	0	0.0					
Bobcat						0	0	1	0	0	1	0	0.0					
Canada Lynx						0	0	1	0	0	1	0	0.0					
Mule Deer	35	8		5		805	36	0	0	1	37	141	44.4					
White-tailed Deer			20	c		1797	58	3	0	3	64	166	71.6					
Deer species			t		3	51	3	10	0	0	13	44	3.7					
Moose			c			44	18	9	0	8	35	9	22.2					
Elk			t			2	1	5	0	3	9	2	1.2					
Pronghorn						168	4	0	0	1	5	67	4.9					
Totals seen/heard on count day	51	10	34	6	8	3635												
Total species seen/heard	5	2	6	2	4		30											
Total species recorded by tracks	0	0	2	4	2			27										
Total species otherwise recorded	0	0	2	1	0				8									
Species recorded count period	0	0	3	3	0					16								
Total species count period and day	5	2	13	9	6						36							