# SASKATCHEWAN CHRISTMAS MAMMAL COUNT — 1993

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The number of mammal counts conducted this year was 72, up slightly from last year's 69 but below the record number set two years ago of 82. The number of species recorded was also between the numbers recorded last year (36) and 1991 (44) at 38.

No new species were recorded, and no species considered unusual were sighted. Encouraging is the continued reports of the reintroduced Swift Fox from counts in the southwest portion of the province. This may very well be an indicator of the impending success of the program.

Generally numbers were similar to last year as was the frequency of occurrence on counts. The only possible exception were the relative scarcity of White-tailed Jack Rabbits, though still widespread and relatively common, several people commented on the reduced numbers. Pronghorns were also fewer but this is probably a reflection of greater snow cover forcing the animals to concentrate in areas not covered by counts or possibly a southward movement into Montana where there is less snow.

Coyote numbers were slightly above the levels of the past two years.

For weather, coverage and participants please refer to the Christmas Bird Count found elsewhere in this issue. Numbers appearing before the count location name in the tables refer to the location of the count on the map included with the bird counts. For those localities where no mammal count was undertaken Total Species equals "0". Some areas that had bird counts did not submit a mammal count. In the tables a numeral alone indicates that the animals were actually seen, while a letter preceding the number means that the number was inferred by the means defined below. A letter alone indicates that the species was present but it was either impossible to estimate the numbers or that no attempt was made to do so.

T = tracks

L = active lodge or hut

D = dead animal found

d = fresh diggings found

S = smell or odour

H = heard

+ = present during the count period (Dec. 17 to Jan. 3) but not found on count day.

			-	<u> </u>		LOC	CATION A	ND DAT	E.	<u> </u>		
SPECIES	1. ABERNETHY-KAT. L. 01 Jan. 1994	2. ARCCLA 02 Jan. 1994	3. ARMIT 31 Dec. 1993	4. ASSINIBOIA 03 Jan. 1994	5. BANCOR 29 Dec. 1993	6. BETHUNE 03 Jan. 1994	7. BIGGAR 24 Dec. 1993	8. BIG MUDDY LAKE 30 Dec. 1993	9. BIRCH HILLS 02 Jan. 1994	10. BROADVIEW 02 Jan. 1994	11. BROMHEAD 02 Jan. 1994	12. CABRI 26 Dec. 1993
MASKED SHREW SHREW species EASTERN COTTONTAIL NUTTALL'S COTTONTAIL COTTONTAIL species		4						1		,		
SNOWSHOE HARE WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL AMERICAN RED SQUIRREL	+	+	T(7) T(1)	5	7	1	T(1) T(3)	1	T(22)		1	
NORTHERN FLYING SQUIRREL SQUIRREL species NORTHERN POCKET GOPHER AMERICAN BEAVER DEER MOUSE		6	L(2)					T(3)				
GAPPER'S RED-BACKED VOLE MUSKRAT MEADOW VOLE VOLE species MOUSE species		+			2		1 T(2)		T(2)		T(2)	
NORWAY RAT HOUSE MOUSE AMERICAN PORCUPINE COYOTE WOLF	+	+	1 2 T(4)	3	T(1) H(2)		4	2 6	T(2)		2	
RED FOX SWIFT FOX RACCOON FISHER	1	1	T(2)	1	1		T(1)				1	
ERMINE  LONG-TAILED WEASEL  LEAST WEASEL  WEASEL species  AMERICAN MINK  AMERICAN BADGER		+	T(2)	1	1			d(2)	T(1)			
STRIPED SKUNK RIVER OTTER FERAL CAT MULE DEER WHITE-TAILED DEER	3	7 7	T(4)	1 6 56	T(1)	+	6	15	T(2)		39	
DEER species MOOSE AMERICAN ELK PRONGHORN TOTAL SPECIES	6	12	T(2) T(4)	7	9	2	7	8	7	0	5	

#### Table 1-2. SASKATCHEWAN CHRISTMAS MAMMAL COUNTS

						LOC	CATION	AND DAT	E	1		
SPECIES	13. CANDLE LAKE 27 Dec. 1993	14. CECIL FERRY 18 Dec. 1993	15. CLARK'S CROSSING 18 Dec. 1993	16. CRAVEN 18 Dec. 1993	17. CROOKED LAKE 30 Dec. 1993	18. DALMENY 29 Dec. 1993	19. DILKE 27 Dec. 1993	20. DUVAL 31 Dec. 1993	21. EDAM 30 Dec. 1993	22. ENDEAVOUR 23 Dec. 1993	23. FENTON 30 Dec. 1993	24. FORT QU'APPELLE 18 Dec. 1993
MASKED SHREW SHREW species EASTERN COTTONTAIL NUTTALL'S COTTONTAIL COTTONTAIL species	T(2)		T(1)	T(3)								
SNOWSHOE HARE WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL AMERICAN RED SQUIRREL	T(25)	2	T(16) T(3)	T(10) 1 2 T(1)	T			1		1		+
NORTHERN FLYING SQUIRREL SQUIRREL species NORTHERN POCKET GOPHER AMERICAN BEAVER DEER MOUSE												1
GAPPER'S RED-BACKED VOLE MUSKRAT MEADOW VOLE VOLE species MOUSE species	T		2 T(2)	1 T(2) T(26)	1 T		-	1		1		5
NORWAY RAT HOUSE MOUSE AMERICAN PORCUPINE COYOTE WOLF			T(1)	H(9)						T(1)		+
RED FOX SWIFT FOX RACCOON FISHER ERMINE	Т	1	T(1)	2					-	T(3)		+
LONG-TAILED WEASEL LEAST WEASEL WEASEL species AMERICAN MINK AMERICAN BADGER	Т		T(2)	T(1) T(1) T(1)					1	1(0)		+
STRIPED SKUNK RIVER OTTER FERAL CAT MULE DEER WHITE-TAILED DEER	T 2		T(1)	49	Т			7 2	8	Т		+
DEER species MOOSE AMERICAN ELK PRONGHORN			T(6)	T(33)						2 T(1)		
TOTAL SPECIES	9	2	13	15	5	0	0	4	2	7	0	15

		<del></del>				LOC	ATION A	AND DAT	E	_		
-			Œ		AND							
SPECIES	25. FORT WALSH 17 Dec. 1993	26. GARDINER DAM 19 Dec. 1993	27. GOOD SPIRIT LAKE 28 Dec. 1993	28. GOVENLOCK 18 Dec. 1993	29. G. CTRPIERCELAND 26 Dec. 1993	30. GRASSLANDS N.P. 02 Jan. 1994	31. GRENFELL 26 Dec. 1993	32. HEPBURN 18 Dec. 1993	33. HUDSON BAY 19 Dec. 1993	34. HUMBOLDT 26 Dec. 1993	35. INDIAN HEAD 02 Jan. 1994	36. KAMSACK 26 Dec. 1993
MASKED SHREW SHREW species EASTERN COTTONTAIL NUTTALL'S COTTONTAIL COTTONTAIL species	6	2		2						,		
SNOWSHOE HARE WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL	1	T(2)	T(16) T(3)	T(5)						T(8)	3	3
AMERICAN RED SQUIRREL  NORTHERN FLYING SQUIRREL  SQUIRREL species  NORTHERN POCKET GOPHER	27 d(2)		2		1						8	3
AMERICAN BEAVER DEER MOUSE GAPPER'S RED-BACKED VOLE	d(2) L(2)		L(1)									
MUSKRAT  MEADOW VOLE  VOLE species  MOUSE species	2 1 T(10)	T(2)	1 L(6)	T(100)								
NORWAY RAT HOUSE MOUSE AMERICAN PORCUPINE COYOTE WOLF	1 6	5	T(1) T(2)	D(1)	T(1)	3 18				T(1) T(3)	6	2
RED FOX SWIFT FOX RACCOON FISHER ERMINE			+	3 T(1)		1 T(1)				T(1)	1	2
LONG-TAILED WEASEL LEAST WEASEL WEASEL species AMERICAN MINK AMERICAN BADGER	T(1) T(1)		T(1)	d(1)		T(1)				-	1	Т
STRIPED SKUNK RIVER OTTER FERAL CAT			1(1)		T(1)							
MULE DEER WHITE-TAILED DEER DEER species	13 30	42 48	T(51)	70	T(16)	78 91				T(10)	2	96
MOOSE  AMERICAN ELK  PRONGHORN  TOTAL SPECIES	T(1) T(7)	6	T(2)	10		0	0	0		6	6	34
TOTAL SI LOILS	1 10		15	10	4	8	0	0	0	0	0	10

#### Table 1-4. SASKATCHEWAN CHRISTMAS MAMMAL COUNTS

						LOC	ATION A	AND DAT	Έ			
SPECIES	37. KELVINGTON 26 Dec. 1993	38. KENASTON 19 Dec. 1993	39. KILWINNING 18 Dec. 1993	40. KINDERSLEY 30 Dec. 1993	41. KINLOCH 31 Dec. 1993	42. KUTAWAGAN 29 Dec. 1993	43. KYLE-SASK. LANDING 26 Dec. 1993	44. LARONGE 27 Dec. 1993	45. LAST MTN. L. NWA 26 Dec. 1993	46. LEADER (NORTH) 30 Dec. 1993	47. LEADER (SOUTH) 01 Jan. 1994	48. LIVELONG 29 Dec. 1993
MASKED SHREW SHREW species EASTERN COTTONTAIL NUTTALL'S COTTONTAIL COTTONTAIL species						T(1)						
SNOWSHOE HARE WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL AMERICAN RED SQUIRREL	T(16) T(2)	T T		+		T(7)		T(3)	T(3)	3		
NORTHERN FLYING SQUIRREL SQUIRREL species NORTHERN POCKET GOPHER AMERICAN BEAVER DEER MOUSE	L(1)							1(0)	T(7)			
GAPPER'S RED-BACKED VOLE MUSKRAT MEADOW VOLE VOLE species MOUSE species	L(3)					T(8)		T(2)	L(27) T(1)	6	2	
NORWAY RAT HOUSE MOUSE AMERICAN PORCUPINE COYOTE WOLF	T(2)	T T				2 2			2 2	3		
RED FOX SWIFT FOX RACCOON FISHER ERMINE	T(2)	Т		+		1		T(4)	T(1)			
LONG-TAILED WEASEL LEAST WEASEL WEASEL species AMERICAN MINK AMERICAN BADGER	T(2)	Т				T(3)		, , , ,	T(1)			
STRIPED SKUNK RIVER OTTER FERAL CAT MULE DEER WHITE-TAILED DEER	T(20)	Т		+		3 7	2 8		T(3)	2 10	8 18	
DEER species MOOSE AMERICAN ELK PRONGHORN TOTAL SPECIES	11	8	0	3	0	9	2	5	9	6	3	C

						LOC	ATION A	AND DAT	E		_	
		æ				-						
SPECIES	49. LOON LAKE. 18 Dec. 1993	50. LOVE-TORCH RIVER 29 Dec. 1993	51. LUSELAND 03 Jan. 1994	52. MACDOWALL 02 Jan. 1994	53. MARSDEN 26 Dec. 1993	54. MEADOW LAKE (NW) 01 Jan. 1994	55. MEADOW L. (TOWN) 26 Dec. 1993	56. MELFORT 26 Dec. 1993	57. MELVILLE 25 Dec. 1993	58. MISSINIPE 02 Dec. 1993	59. MOC/SE JAW 26 Dec. 1993	60. MOCSE MOUNTAIN 17 Dec. 1993
MASKED SHREW SHREW species EASTERN COTTONTAIL NUTTALL'S COTTONTAIL COTTONTAIL species	1											
SNOWSHOE HARE WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL AMERICAN RED SQUIRREL	1	5	1	2	T		2				1 3	2
NORTHERN FLYING SQUIRREL SQUIRREL species NORTHERN POCKET GOPHER AMERICAN BEAVER DEER MOUSE GAPPER'S RED-BACKED VOLE	1											
MUSKRAT MEADOW VOLE VOLE species MOUSE species									+			
NORWAY RAT HOUSE MOUSE AMERICAN PORCUPINE COYOTE WOLF		+	7	+								
RED FOX SWIFT FOX RACCOON FISHER ERMINE		+		+					1			
LONG-TAILED WEASEL LEAST WEASEL WEASEL species AMERICAN MINK AMERICAN BADGER		+		+								
STRIPED SKUNK RIVER OTTER FERAL CAT MULE DEER WHITE-TAILED DEER	3	12	+	+	1 T		Т		3		20	21
DEER species MOOSE AMERICAN ELK PRONGHORN		+		+	Т							
TOTAL SPECIES	4	9	4	7	5	0	2	0	3	0	3	3

## Table 1-6. SASKATCHEWAN CHRISTMAS MAMMAL COUNTS

SPECIES		1		1		LOC	ATION A	AND DAT	E			
SHREW species 1	SPECIES	61. NICCILLE FLATS 28 Dec. 1993	62. NIPAWIN 02 Jan. 1994	63. PIKE LAKE 02 Jan. 1994	64. PR. ALBERT (NE) 03 Jan. 1994		QU'APPELLE VAL. 19 Dec. 1993	68. RAYMORE 25 Dec. 1993	69. REGINA 26 D⊯c. 1993	70. ROCKGLEN 01 Jan. 1994	71. ROSE VALLEY 26 Dec. 1993	72. SASK. LANDING P.P. 20 Dec. 1993
WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL FOX SQUIRREL FOX SQUIRREL FOX SQUIRREL SQUIRREL SPECIES NORTHERN FLYING SQUIRREL SQUIRREL SPECIES NORTHERN POCKET GOPHER AMERICAN BEAVER DEER MOUSE GAPPER'S RED-BACKED VOLE MUSKRAT MEADOW VOLE VOLE SPECIES MOUSE SPECIES NORWAY RAT HOUSE MOUSE AMERICAN PORCUPINE COYOTE WOLF 1 RED FOX SWIFT FOX RACCOON FISHER ERMINE LONG-TAILED WEASEL LEAST WEASEL WEASEL SPECIES AMERICAN MINK AMERICAN MADGER STRIPED SKUNK RIVER OTTER FERAL CAT	SHREW species EASTERN COTTONTAIL NUTTALL'S COTTONTAIL	1					1					
NORTHERN FLYING SQUIRREL	WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL						7	T(1)	T(4) 2	2		
MUSKRAT  MEADOW VOLE  VOLE species  MOUSE species  T(1)  T(2)  4  T(3)  T(3)  MOUSE species  T(1)  NORWAY BAT  HOUSE MOUSE  AMERICAN PORCUPINE  COYOTE  WOLF  RED FOX  SWIFT FOX  RACCOON FISHER  ERMINE  LONG-TAILED WEASEL  LEAST WEASEL  WEASEL species  AMERICAN MINK  AMERICAN BADGER  STRIPED SKUNK  RIVER OTTER  FERAL CAT  T(2)  4  T(2)  4  T T  T T  T T  T T  T T  T T  T T	NORTHERN FLYING SQUIRREL SQUIRREL species NORTHERN POCKET GOPHER AMERICAN BEAVER			T(2)				d(1)	L(1)			
HOUSE MOUSE  AMERICAN PORCUPINE  COYOTE  WOLF  RED FOX  SWIFT FOX  RACCOON FISHER  ERMINE  LONG-TAILED WEASEL  LEAST WEASEL  WEASEL species  AMERICAN MINK  AMERICAN BADGER  STRIPED SKUNK  RIVER OTTER  FERAL CAT  T 2  T 3  T 4  T 2  T 7  T 7  T 7  T 7  T 7  T 7  T 7	MUSKRAT MEADOW VOLE VOLE species			T(1)					T(2)			
SWIFT FOX RACCOON FISHER ERMINE  LONG-TAILED WEASEL LEAST WEASEL WEASEL species AMERICAN MINK AMERICAN BADGER  STRIPED SKUNK RIVER OTTER FERAL CAT  T(3)  T(1)  T(2)  S(1)	HOUSE MOUSE AMERICAN PORCUPINE COYOTE					1		T 2	T(1)	2		
LONG-TAILED WEASEL LEAST WEASEL WEASEL species AMERICAN MINK AMERICAN BADGER  STRIPED SKUNK RIVER OTTER FERAL CAT  T(1) T(2)  S(1)  S(1)	SWIFT FOX RACCOON FISHER			+		2			3	+ D(1)	+	
RIVER OTTER 2 2 FERAL CAT	LEAST WEASEL WEASEL species AMERICAN MINK					T(1)	T(2)					
WHITE-TAILED DEER 5 T(30) 3 4 10 3	RIVER OTTER FERAL CAT MULE DEER	Ę.		T(30)	2		10		9	+		50
DEER species T(19) MOOSE T(3)  AMERICAN ELK PRONGHORN TOTAL SPECIES 2 0 6 1 0 12 7 18	DEER species MOOSE AMERICAN ELK PRONGHORN					T(19) T(3) 47			8	5	1	30

						LOC	ATION A	ND DAT	E	1		
SPECIES	73. SASKATOON 26 Dec. 1993	74. SCOTT 29 Dec. 1993	75. SKULL CREEK 26 Dec. 1993	76. SNOWDEN 27 Dec. 1993	77. SPALDING 30 Dec. 1993	78. SPINNEY HILL 31 Dec. 1993	79. SPR NG VALLEY 02 Jan. 1994	80. SPRUCE HOME 01 Jan. 1994	81. SQUAW RAPIDS 22 Dec. 1993	82. SWIFT CURRENT 19 Dec. 1993	83. TURTLE LAKE (1) 01 Jan. 1994	84. TURTLE LAKE (2) 25 Dec. 1993
MASKED SHREW SHREW species EASTERN COTTONTAIL NUTTALL'S COTTONTAIL COTTONTAIL species	T(3)		6		Т	Т			T(4)	1		
SNOWSHOE HARE WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL AMERICAN RED SQUIRREL	2	T(2)	3 1	T(6)	Т	T T	Т		T(5)		2	
NORTHERN FLYING SQUIRREL SQUIRREL species NORTHERN POCKET GOPHER AMERICAN BEAVER DEER MOUSE			5	3					L(2)		2	
GAPPER'S RED-BACKED VOLE MUSKRAT MEADOW VOLE VOLE species MOUSE species	Т		14	T(20)	D(3)		2		T(2)			
NORWAY RAT HOUSE MOUSE AMERICAN PORCUPINE COYOTE WOLF	2	1	+ 12	T(2)		T 1	1		T(2) T(7)	1 5	2	
RED FOX SWIFT FOX RACCOON FISHER ERMINE	1	T(1)	Т	T(1)	Т		1		7 (1)		1	
LONG-TAILED WEASEL LEAST WEASEL WEASEL species AMERICAN MINK AMERICAN BADGER	1	d(1)	2 T T	T(3)					T(2)	1 1		
STRIPED SKUNK RIVER OTTER FERAL CAT MULE DEER WHITE-TAILED DEER	14	T(5)	+ 83	T(8)	Т	T 1	4		S(1)	23 31	5	
DEER species MOOSE AMERICAN ELK PRONGHORN	Т		+	5			2		T(2) T(1) T(7)			
PRONGHORN TOTAL SPECIES	10	5	60 17	9	5	8	6	0	15	8	4	(

### Table 1-8. SASKATCHEWAN CHRISTMAS MAMMAL COUNTS

						LOCATION AND DATE	
SPECIES	85. VAL MARIE 22 Dec. 1993	86. WEYBURN 18 Dec. 1993	87. WHITE BEAR 20 Dec. 1993	88. WHITEWOOD 30 Dec. 1993	89. YORKTON 29 Dec. 1993		TOTAL COUNTS
MASKED SHREW SHREW species EASTERN COTTONTAIL NUTTALL'S COTTONTAIL COTTONTAIL species	3	T(5)	+				2 10 1 10 10
SNOWSHOE HARE WHITE-TAILED JACK RABBIT GREY SQUIRREL FOX SQUIRREL AMERICAN RED SQUIRREL		2	+	3			28 38 1 1 32
NORTHERN FLYING SQUIRREL SQUIRREL species NORTHERN POCKET GOPHER AMERICAN BEAVER DEER MOUSE							1 1 2 7 6
GAPPER'S RED-BACKED VOLE MUSKRAT MEADOW VOLE VOLE species MOUSE species		T(4)					3 9 9 6 23
NORWAY RAT HOUSE MOUSE AMERICAN PORCUPINE COYOTE WOLF	T(1)	1	1				3 2 23 44 6
RED FOX SWIFT FOX RACCOON FISHER ERMINE	T(1)	T(3)	+	1			44 3 3 1 8
LONG-TAILED WEASEL LEAST WEASEL WEASEL species AMERICAN MINK AMERICAN BADGER		T(1)	+				13 1 15 8 10
STRIPED SKUNK RIVER OTTER FERAL CAT MULE DEER WHITE-TAILED DEER	5 49	3 2	180	22			6 3 1 28 64
DEER species MOOSE AMERICAN ELK PRONGHORN TOTAL SPECIES	44	T(10)	6	5	0		8 9 10 3