

# 49th ANNUAL SASKATCHEWAN CHRISTMAS BIRD COUNT — 1990

Compiled by WAYNE C. HARRIS, Box 414, Raymore, Saskatchewan. S0A 3J0

The 1990 count was one of the coldest on record. Someone mentioned the words Christmas bird count on the 15th (the first day of the count period) and Old Man Winter smiled and said "let there be winter" and there was – right through to the bitter end on 2 January (the last day of the count period). Many people waited in vain for the cold weather to break to do their counts, resulting in almost one third of the counts being done in the last two days! Only those who did their counts on the first two days escaped the bitterest cold.

## Weather and Coverage

For details on just how cold it was (in case you don't remember) check Table 1. The coldest temperatures were logged by Endeavour and Squaw Rapids with  $-42^{\circ}\text{C}$  while Prince Albert(B) with an afternoon temperature  $-35^{\circ}\text{C}$  had the coldest high for the day. The coldest conditions were probably at Last Mountain Lake where a mid-day temperature of  $-34^{\circ}\text{C}$  was combined with a wind of 80 km/hr. Only a few counts on the first two days actually approached the zero mark. On an overall basis the average low was  $-27^{\circ}\text{C}$  and the average high was  $-20^{\circ}\text{C}$ .

In spite of the cold weather, a total of 525 observers (see Count Areas and Participants following this introduction for names) on 79 counts tallied 87 species (plus one morph). Although all of these figures are above last year's totals, they are below the record numbers of 1987 and 1988. The total individuals seen on count day totalled 94,123. Coverage information is provided in Table 2 and shows that over 9200 km were driven in over 450 hours. Even with the cold weather an impressive 523 km were

covered on foot in 284 hours. Not surprisingly almost as many hours (273) were spent in the comfort of homes watching feeders.

## The counts

Of the 87 species recorded (81 on count day and six more during count period), 45 were seen on more than five counts and are presented in Table 3. The most frequently occurring species were the Black-billed Magpie (74 of 79 counts), House Sparrow (68), Black-capped Chickadee (66) and Snow Bunting (55). The most abundant species was the Snow Bunting (19,096 total individuals) followed by House Sparrow (17,762) and Mallard (17,546). The greatest variety of species was reported from Saskatoon and Fort Walsh, both with 40. Only three other counts had 30 or more species; Raymore (39), Regina (37) and Squaw Rapids (30). Figure 1 shows the location of all counts.

## New species

A single new species, Harlequin Duck, was added to the all time list. This bird had been present at Gardiner Dam for several weeks prior to the count and attracted great flocks(?) of birders all hoping to catch a glimpse of this male in full breeding plumage. This mountain breeding species is rare in Saskatchewan at any time but the Lake Diefenbaker area has accumulated a handful of records over the past few years including one down stream from Gardiner Dam near Outlook during the summer of 1990 (same individual?).

Although not a new species, the Black morph of the Rosy Finch (formerly a full species) was recorded for the first time in

Saskatchewan at any time of the year. The most commonly occurring morph is the Gray-crowned but the Gray-headed has also been seen. The Black Rosy Finch normally occurs as close as southwestern Montana and to the best of my knowledge this record represents the first for Canada. This bird, found on the Big Muddy Lake count, was exceedingly tame, feeding as close as directly below the open window in the vehicle where the observers sat. An excellent description of the bird was submitted with the count.

### Rare species

Table 4 presents the information on those species recorded on five or fewer counts. Some of the rarer species found this year include a Western Grebe at Qu'Appelle Dam (5th record), an American Black Duck at Gardiner Dam (3rd), a Turkey Vulture during count period at Edam (2nd), a Varied Thrush at Saskatoon (5th) and a count period Fox Sparrow at Raymore (3rd). The second record of the Killdeer occurred on the same count, Govenlock, and at precisely the same location as the first record in 1982.

### Population trends and high counts

Population levels were similar to last year for most species. There were however more Common Ravens south of the forest than usual while Snowy Owl numbers were generally down. Several species counts exceeded previous high counts (Table 6). Most impressive of these were the 10,000 Mallards at the Coronach power station on the Fife Lake count, the 274 Common Mergansers at Gardiner Dam and the 5445 Lapland Longspurs at Bromhead.

The following text and tables represents the compilation of this year's count. If you find any errors or omissions please let me know.

### Count Areas And Participants

(The names of compilers are in italics. The number of participants on each count

are in parentheses following the list of names)

1. ABERNETHY-KATEPWA LAKE. Brian Bittner, Ron Bittner, Ron Hooper, *Joy McKen*, Norman McKen, Lorne Rowell, Keith Stevens, Wanda Stueck. (8)
2. ASSINIBOIA. Jack Burgeson, *Cecil Hayward*, David Landa, David Meagher, Wilf Prentice. (5)
3. BANGOR. *Jean Hilton*, Minnie Hughes, Sheila Popowich. (3)
4. BETHUNE. *Douglas & Vera Laing*. (2)
5. BIGGAR. Roger Assailly, *Guy Wapple*, Marguerite Wapple, Robert Wapple. (4)
6. BIG MUDDY LAKE. Martin Bailey, Keith Barr, *Carol Bjorklund*, Paul Chytky, Bob Luterbach, Milow Worel. (6)
7. BIG MUDDY VALLEY (south of Bengough). *Daryl Johannesen*. (1)
8. BIG RIVER. *Glenn Honig*. (1)
9. BIRCH HILLS. *Moe Mareschal*, Don Weidl. (2)
10. BROADVIEW. *Dave Chaskavich*. (1)
11. BROMHEAD. Martin Bailey, *Carol Bjorklund*. (2)
12. CANDLE LAKE. *Burke Korol*, Arvid Pederson, Guy Wapple, Robert Wapple. (4)
13. CARRAGANA. *Marg & Stan Back*, David Chapman, Herman Duerksen, Bill Howse, Glen Ormsby. (6)
14. CROOKED LAKE(A). *Don Weidl*. (1)
15. CROOKED LAKE(B). Bill Livesay, Mayta Livesay, *Dorothy Skene*, Ed Skene. (4)
16. DEVIL'S LAKE. *Thomas Harper*. (1)
17. DILKE. *Margaret Belcher*, Ken McArton. (2)
18. DOUGLAS PROVINCIAL PARK. *Bob Plaster*. (1)
19. DUVAL. George Herber, Merv Hey, Susan McAdam, Iain Richardson, *Lloyd Saul*. (5)



20. EASTEND. *Henri Lebastard*. (1) Howe, John Kort, Bruce Neill, Fred Skinner, Gordon Willerth. (8)
21. EDAM. Doris & Jim Forsyth, Dale & Theresa Hamilton, Ernest & Wilma Hardcastle, Owen Jones, *Marg & Tom Terpstra*. (9)
22. ENDEAVOUR. *Norman Harris*. (1)
23. ESTEVAN. *Don Weidl*. (1)
24. FIFE LAKE. *Martin Meyers, Robert Rafuse*. (2)
25. FORT QU'APPELLE. Phyllis Bordass, William Bordass, Ethel Cockwill, Doreen Harman, Barbara Hooper, *Ron Hooper*, Alice Laing, Lois Lamontagne, Maurice Lindgren, Jack Lowe, Don McDougall, Mary Morris, Allan Mlazgar, Paul Paquin, Laurence Robillard, Doreen Rowell, Lorne Rowell, Ron Simmonds, Keith Stephens, Lloyd Talbot. (20)
26. FORT WALSH. Keith Barr, Bob & Dixie Black, Anne Harris, Valeri Harris, Wayne Harris, Burke Korol, Robert Kreba, Sheila Lamont, Ron Myers, Brian Olson, Wilkes Parsonage, *Guy Wapple*, Robert Wapple, Milow Worel. (15)
27. GARDINER DAM. Martin Bailey, Carol Bjorklund, Paul Coutu, Anne Harris, Valeri Harris, Wayne Harris, Burke Korol, Sheila Lamont, Menno Nickel, Brian Olson, Frank Roy, *Guy Wapple*, Robert Wapple, Michael Williams. (14)
28. GOOD SPIRIT LAKE. *Bill Anaka*, Joyce Anaka, Julia Wiwchar. (3)
29. GOVENLOCK. Keith Barr, Anne Harris, Valeri Harris, *Wayne Harris*, Burke Korol, Robert Kreba, Sheila Lamont, Ron Myers, Brian Olson, *Guy Wapple*, Robert Wapple, Milow Worel. (12)
30. GRAND CENTRE-PIERCELAND. *Frank Roy*, Heidi Roy, Jessica Roy, Robin Roy. (4)
31. GRASSLANDS NATIONAL PARK. Paul Chytyk, *Wayne Harris*, Sheila Lamont. (3)
32. HUDSON BAY. *Pat Beaulieu*. (1)
33. HUMBOLDT. *Ed Brockmeyer*, Mike Volk. (2)
34. INDIAN HEAD. Margo Beaulieu, Vic Beaulieu, *Bernard Bosgoed*, Gordon
35. KAMSACK. Mrs. Bernhard, Mable Bucuek, Lynnde Dewores, Fred Erhart, Doris & Bert Franklin, Anita Klochko, Rezansoff family, *Isabel Ritchie*, John Solamon, Elenor Sookocheff, Helen Tomochko, Elona Zeiben. (15)
36. KELVINGTON. *Marguerite Sloan*. (1)
37. KENASTON. Doug Beckie, *Lawrence Beckie*. (2)
38. KINDERSLEY(A). Beth Dales, *Jean Harris*. (2)
39. KINDERSLEY(B). *Gerry Essar*, Michael Essar. (2)
40. KUTAWAGAN LAKE. *Wayne Harris*, Susan McAdam. (2)
41. LA RONGE. *Jim Paul*, Lorieann Paul. (2)
42. LAST MOUNTAIN LAKE WILDLIFE MANAGEMENT UNIT. *Wayne Harris*, Sheila Lamont. (2)
43. LEADER. *Daisy Meyers*. (1)
44. LIVELONG. *Sarah Pavka*, Vicky Tollefson. (2)
45. LOVE-TORCH RIVER. Dot Bennett, Ed Bennett, *Bert Dalziel*, Duke Dalziel, Kari Dalziel, Joan Dalziel, Sara Dalziel, Mildred Long, Bill Matthews, Lynn Matthews. (10)
46. LUSELAND. Estelle Finley, *Kim Finley*, Bill Frey, Joe Rozlein. (4)
47. MAIDSTONE BRIDGE. Anne Harris, Valeri Harris, *Wayne Harris*, Dan Lamont, Sheila Lamont, Tom Lamont. (6)
48. MARSDEN. Eileen Graham, Candi Schopper, *Lois Wooding* (non-participating compiler). (2)
49. MELVILLE. Donna Alberts, *Marion MacLean*, Robert Wotherspoon, Ross Wotherspoon. (4)
50. MISSINIPE. *Shirley Glass*. (1)
51. MOOSE JAW. Mac, Merran, Pat & Riel Aldred, Edith Bell, Vi Belt, Helen

- Brunsdon, Muriel Dormer, Joan Finn, Doug & Pat Francis, Allan, Edward, Hartley, Kenneth, Lawrence & Tristan Fredeen, Florine Hales, Kerry Hanley, Cy Knight, *Leith Knight*, Ann Kovlaske, Kay Kreuger, Connie & Hugh McIntyre, Flo Noble, Wilma Pickering, Henry Van Dorland, Sheina Wait, Ed & Grace Walker, Bev Wenzel. (32)
52. NEELY LAKE. Edwin Billeter, *Donald Hooper*, Maureen Johnson. (3)
53. PIKE LAKE. Carol Blenkin, Sandra Flood, Mary Gilliland, *Bernie Gollop*, Mike Gollop, Frank Roy, Jacob Stegeman, Jim Wedgwood, Michael Williams, Lois Wooding. (1)
54. PORCUPINE PLAIN. Les Baker, Agnus Hodge, Glen Hodge, *Donald Hooper*, Margaret Hooper, Brian Larwood, Keith Larwood, Pat Larwood. (8)
55. PRINCE ALBERT(A). *Elsie & Frank Morton*. (2)
56. PRINCE ALBERT(B). Adam Beck, Carol Beck, Ron Beck, John Burt, Pam Burt, Evelyn Chapais, *Carman Dodge*, Keith Dodge, Joe Graumans, Hamilton Greenwood, Cora Pond, Ted Snow. (12)
57. PRINCE ALBERT NATIONAL PARK. *Marilyn Anions*, Roger Baird, Mark Boyd, Susan Carr, Chris Clinton, Eileen Clinton, Andree Galbraith, Paul Galbraith, Jim Helm, Doug Hodgins, Arnold Janzen, Kelly Jennett, Gary Kolar, Susan Kolar, Erin Kurtz, Bob Luterbach, Bradley Muir, Bill Prettie, Cory Rolles, Frank Roy, Jennifer Skage, Kristen Skage, Sharon Skage, Jim Slimmon, Merv Syroteuk, Jenny Tibbs, Bob Turnbull, Jim Wedgwood, Jeff Weir, Dana Wiberg. (30)
58. QU'APPELLE DAM. Stan Shaddick, *Michael Williams*. (2)
59. RAYMORE. Anne Harris, Valeri Harris, *Wayne Harris*, Sheila Lamont. (4)
60. REGINA. Martin Bailey, Donna Barclay, Keith Barr, Margaret Belcher, *Carol Bjorklund*, Paul Chytyk, Lyn Crowley, Stu Dechka, Bob Decker, Marilyn Decker, Peter Heron, Trevor Herriot, Paul James, Bill Jones, Bob Kreba, Linda Langenbacher, Wolfgang Langenbacher, Christine MacDonald, John McDonald, Ron Myers, John Nelson, Marian Peddle, Ron Peddle, John Pollock, Brian Rainey, Dean Rickert, Miriam Rickert, Tom Riffel, Keating Smith, Marilyn Smith, Frank Switzer, Ian Switzer, Raymond Tervo, Reino Tervo, Milow Worel. (35)
61. ROUND LAKE. *Doug Francis*, Pat Francis, Joe Grimeau, Laura Grimeau. (4)
62. SASKATOON. Norma Allen, Jill Anweiler, Juhachi Asai, Kengo Asai, Mika Asai, Rika Asai, Sumiko Asai, Bob Besant, Garth Besant, Joyce Besant, Barry Betker, Carol Blenkin, Earl Blewett, Eveline Boudreau, Paul Coutu, Tony Diamond, Ed Driver, Anne Dzus, Jan Earl, Steve Earl, Helen Elliott, Martin Gerrard, Silvia Gerrard, Colleen Gerwing, *Mary Gilliland*, Bob Godwin, Bernie Gollop, Madeleine Gollop, Fred Goodliffe, Bob Green, Carol Green, Jerry Haight, Jo Haight, Bruce Hanbidge, John Hanbidge, Ramona Harms, Mary Houston, Stuart Houston, Brian Johns, Richard Kerbes, Janice Laliberte, Harv Lane, Ken Lumbis, Edna McCawley, Don McRobbie, Jo McRobbie, Kathy Meeres, Meewasin Beaver Creek staff and cooperators (3), Cathryn Miller, David Miller, Quentin Miller, Arlene Moe, Willis Moe, Menno Nickel, Delores Norman, Brian Olson, Valerie Olson, Jim Pepper, Janet Pivnick, Ken Pivnick, Jim Slimmon, Alan Smith, Henry Tabel, Phil Taylor, David Thorpe, Garth Van Derkamp, Bernadette Vangool, Koren Vangool, Heather Wagg, Jim Wedgwood, Michael Williams, Jim Wood, Lois Wooding, Dan Zazalenchuk. (76)
63. SCOTT. *Guy Wapple*, Sandra Wapple. (2)
64. SKULL CREEK. Bob & Moreen Bell, *Jim Bennetto*, Bob Eccleston, Marj Mann Jr., Larry Peterson, Pat & Pete Robertshaw, Michelle & Ray Shuler. (10)
65. SNOWDEN. Ed Hagel, Irene Hagel, *Karen Hagel*, Iain Richardson, Lloyd Saul. (5)
66. SOMME. David Black, Evelyn Black, Ron Butterfield, *Donald Hooper*, Margaret Hooper. (5)



67. SPALDING. Bill Spizawka, *Velma Spizawka*. (2)
68. SPINNEY HILL. *Ed Driver*, Phil Taylor. (2)
69. SPRING VALLEY. Allan Bogdan, Bryan Bogdan, *Flossie Bogdan*, Larry Bogdan, Nick Bogdan, Dean Goian. (6)
70. SQUAW RAPIDS. *Wayne Harris*, Burke Korol, Sheila Lamont, Guy Wapple, Robert Wapple. (5)
71. SWIFT CURRENT. *Ron Jensen*. (1)
72. TISDALE. *Joyce Mohr*, Brian Yelland, Llyn Yelland. (3)
73. TURTLE LAKE. *E. Robinson*, V. Robinson. (2)
74. WEYBURN. E. Baird, L. Belanger, Leo Belanger, *Ray Belanger*, Greg Bobbitt, R. Churchill, R. Douglas, N. Flaten, F. Garner, Dick Gutfriend, D. Hannah, D. Herberholz, G. Kurtz, B. Layh, P. Layh, Nick Postey, H. Stairmand, Stewart Stairmand, J. Weisaerber, R. Weisaerber. (20)
75. WHITE BEAR. Gary Jordheim, *Sig Jordheim*. (2)
76. WHITE BEAR LAKE. Ray Belanger, *Greg Bobbitt*, Sheila Burland, Dick Gutfriend, Veronica Pasterfield, Stewart Stairmand. (6)
77. WHITEBEECH. John Kereliuk, Ed Terlesky, Ida Wotherspoon, *Lindsay Wotherspoon*. (4)
78. WHITEWOOD. *John Pollock*. (1)
79. YORKTON. Loraine Arnold, Joyce Bains, Derek Eftoda, Jim Eftoda, Lea Herauf, *Warren Hjertaas*, Sharon Kozak, Lorne Lepp, Marilyn Lepp, Dorothy Skene, Ed Skene, Alice Turberfield, Beth Turberfield, Gordon Turberfield, Harold Wilkinson. (15)



*Gray Partridge*

*A. Schmidt*

Table 1. COUNT WEATHER CONDITIONS (T°C, Wind Kmph, Snow Cm)

COUNT NAME	Min T°C	Max. T°C	Min. Wind	Max. Wind	Min. Snow	Max. Snow	Sky A.M.	Sky P.M.
ABERNETHY-KATEPWA LAKE	-38	-34	0	5	15	25	overcast	partly cloudy
ASSINIBOIA	-20	+3	0	15		10		clear
BANGOR	-30	-27	20	25	20	30	mostly clear	mostly clear
BETHUNE	-35	-25	0	13	10	15		clear
BIGGAR	-32	-27	10	20	0	20	mostly cloudy	mostly cloudy
BIG MUDDY LAKE	-20	-10	5	10	0	10	clear	clear
BIG MUDDY VALLEY (s. of Bengough)	-25	-20	15	20	2	30	partly cloudy	partly cloudy
BIG RIVER	-37	-25	10	20	30	35	mostly clear	mostly clear
BIRCH HILLS	-31	-29	0	5	6	30	mostly clear	mostly clear
BROADVIEW	-24	-20	30	35	10	20	clear	clear
BROMHEAD	-34	-24	8	16	5	15	mostly clear	mostly clear
CANDLE LAKE	-30	-25	5	40	30	50	clear	clear
CARRAGANA	-35	-22	10	12	31	27	partly cloudy	mostly clear
CROOKED LAKE(A)	-18	-17	15	20	15	25	mostly cloudy	mostly clear
CROOKED LAKE(B)	-37	-30	30	50	20	45		mostly clear
DEVIL'S LAKE	-31	-28	15	20	7	8	overcast	overcast, light snow
DILKE	-5	-6	15	60	0	15	overcast, light snow	
DOUGLAS PROVINCIAL PARK	-30	-25	10	15	15	25		
DUVAL	-30	-38	5	29	6	43	mostly clear	clear
EASTEND	-30	-24	0	10				mostly clear
EDAM		-21						
ENDEAVOUR	-42	-32	0	0	36	38	clear	clear
ESTEVAN	-38	-26	15	20	10	15	clear	clear
FIFE LAKE	-25	-20	20	35	0	30	partly cloudy	mostly clear
FORT QU'APPELLE	-18	-11	0	0	8	8	mostly clear	clear
FORT WALSH	-10	-2	0	60	0	25	clear	clear
GARDINER DAM	-23	-10	10	30	5	20	mostly cloudy	mostly cloudy
GOOD SPIRIT LAKE	-28	-25	20	30	10	22	clear	clear
GOVENLOCK	-8	-4	0	15	0	2	partly cloudy	clear
GRAND CENTRE-PIERCELAND	-26	-16	6	15	20	30	overcast	overcast
GRASSLANDS NATIONAL PARK	-18	-12	10	50	0	10	clear	partly cloudy
HUDSON BAY	-30	-25	15	20	25	30		
HUMBOLDT	-27	-25	15	30	6	10	overcast, light snow	overcast
INDIAN HEAD	-24	-22	30	15	5	20		partly cloudy
KAMSAK	-30	-34					mostly clear	mostly clear
KELVINGTON	-22	-10			20	25	clear	
KENASTON	-25	-11	0	10	10	15	overcast	overcast
KINDERSLEY(A)					2	5	clear	clear
KINDERSLEY(B)	-30	-28	15	21	7	30	partly cloudy	mostly cloudy
KUTAWAGAN LAKE	-32	-23	10	40	1	20	overcast	overcast
LA RONGE	-34	-19	0	14	25	40	mostly clear	partly cloudy
LAST MOUNTAIN LAKE W.M.U.	-35	-34	30	80	0	15	clear	clear, blowing snow
LEADER	-28	-22	0	0			mostly clear	overcast, light snow
LIVELONG	-32	-25	15	20	20	25	mostly clear	partly cloudy
LOVE-TORCH RIVER	-35	-25	0	10	45	60	clear	clear
LUSELAND	-24	-18	15	35	2	90	clear	clear
MAIDSTONE BRIDGE	-31	-23	2	30	0	30	mostly clear	mostly clear
MARSDEN								
MELVILLE	-38	-28	25	40	0	23	partly cloudy	mostly clear
MISSINUIPE	-28	-20	0	5	25	30	overcast	overcast
MOOSE JAW	-23	-14	6	8	12	25	mostly cloudy	mostly cloudy
NEELY LAKE	-35	-32	15	20	15	20	clear	clear
PIKE LAKE	-38	-31	13	20		25	mostly clear	mostly clear
PORCUPINE PLAIN	-21	-9	0	0	80	100	clear	clear
PRINCE ALBERT(A)								
PRINCE ALBERT(B)	-39	-35	0	0	10	15	partly cloudy	partly cloudy
PRINCE ALBERT NATIONAL PARK	-21	-15	0	10	28	37	mostly cloudy	mostly clear
QU'APPELLE DAM	-10	-5	10	30	1	30	mostly clear	mostly clear
RAYMORE	-38	-29	0	10	2	25	clear	clear
REGINA	-35	-18	0	10	5	15	partly cloudy	partly cloudy
ROUND LAKE	-25	-18	15	25	3	15		
SASKATOON	-28	-15	6	13	16	20	mostly cloudy	mostly cloudy
SCOTT	-32	-25	10	20	0	15	clear	clear
SKULL CREEK	-10	-3	25	30	30	36	mostly clear	mostly clear
SNOWDEN	-22	-18	0	20	4	50	clear	partly cloudy
SOMME	-22	-12	9	18	110	150	partly cloudy	mostly cloudy
SPALDING	-28	-24	35	45	12	16	clear	clear
SPINNEY HILL	-25	-20	13	25	0	25	clear	mostly clear
SPRING VALLEY	-23	-14	8	65		10	overcast, light snow	overcast, light snow
SQUAW RAPIDS	-42	-26	10	30	25	30	clear	mostly clear
SWIFT CURRENT	-18						overcast	mostly cloudy
TISDALE	-20	-30	15	20		15	clear	mostly clear
TURTLE LAKE	-30	-25	2	10		30		
WEYBURN	-20	-18	5	15	2	6	partly cloudy	partly cloudy
WHITE BEAR	-25	-16	0	1	5	120	mostly clear	partly cloudy
WHITE BEAR LAKE	-27	-23	22	30	4	15	mostly cloudy	mostly cloudy
WHITEBEECH	-23	-20	3	5	24	28		clear
WHITEWOOD	-20	-15	5	15	0	20	mostly clear	mostly clear
YORKTON	-28	-20	0	10			clear	clear



- |                             |                               |                                 |
|-----------------------------|-------------------------------|---------------------------------|
| 1. ABERNETHY-KATEPWA LAKE   | 27. GARDINER DAM              | 54. PORCUPINE PLAIN             |
| 2. ASSINIBOIA               | 28. GOOD SPIRIT LAKE          | 55. PRINCE ALBERT(A)            |
| 3. BANGOR                   | 29. GOVENLOCK                 | 56. PRINCE ALBERT(B)            |
| 4. BETHUNE                  | 30. GRAND CENTRE-PIERCELAND   | 57. PRINCE ALBERT NATIONAL PARK |
| 5. BIGGAR                   | 31. GRASSLANDS NATIONAL PARK  | 58. QU'APPELLE DAM              |
| 6. BIG MUDDY LAKE           | 32. HUDSON BAY                | 59. RAYMORE                     |
| 7. BIG MUDDY VALLEY         | 33. HUMBOLDT                  | 60. REGINA                      |
| 8. BIG RIVER                | 34. INDIAN HEAD               | 61. ROUND LAKE                  |
| 9. BIRCH HILLS              | 35. KAMSACK                   | 62. SASKATOON                   |
| 10. BROADVIEW               | 36. KELVINGTON                | 63. SCOTT                       |
| 11. BROMHEAD                | 37. KENASTON                  | 64. SKULL CREEK                 |
| 12. CANDLE LAKE             | 38. KINDERSLEY(A)             | 65. SNOWDEN                     |
| 13. CARRAGANA               | 39. KINDERSLEY(B)             | 66. SOMME                       |
| 14. CROOKED LAKE(A)         | 40. KUTAWAGAN LAKE            | 67. SPALDING                    |
| 15. CROOKED LAKE(B)         | 41. LA RONGE                  | 68. SPINNEY HILL                |
| 16. DEVIL'S LAKE            | 42. LAST MOUNTAIN LAKE W.M.U. | 69. SPRING VALLEY               |
| 17. DILKE                   | 43. LEADER                    | 70. SQUAW RAPIDS                |
| 18. DOUGLAS PROVINCIAL PARK | 44. LIVELONG                  | 71. SWIFT CURRENT               |
| 19. DUVAL                   | 45. LOVE-TORCH RIVER          | 72. TISDALE                     |
| 20. EASTEND                 | 46. LUSELAND                  | 73. TURTLE LAKE                 |
| 21. EDAM                    | 47. MAIDSTONE BRIDGE          | 74. WEYBURN                     |
| 22. ENDEAVOUR               | 48. MARSDEN                   | 75. WHITE BEAR                  |
| 23. ESTEVAN                 | 49. MELVILLE                  | 76. WHITE BEAR LAKE             |
| 24. FIFE LAKE               | 50. MISSINIFE                 | 77. WHITEBEECH                  |
| 25. FORT QU'APPELLE         | 51. MOOSE JAW                 | 78. WHITEWOOD                   |
| 26. FORT WALSH              | 52. NEELY LAKE                | 79. YORKTON                     |
|                             | 53. PIKE LAKE                 |                                 |

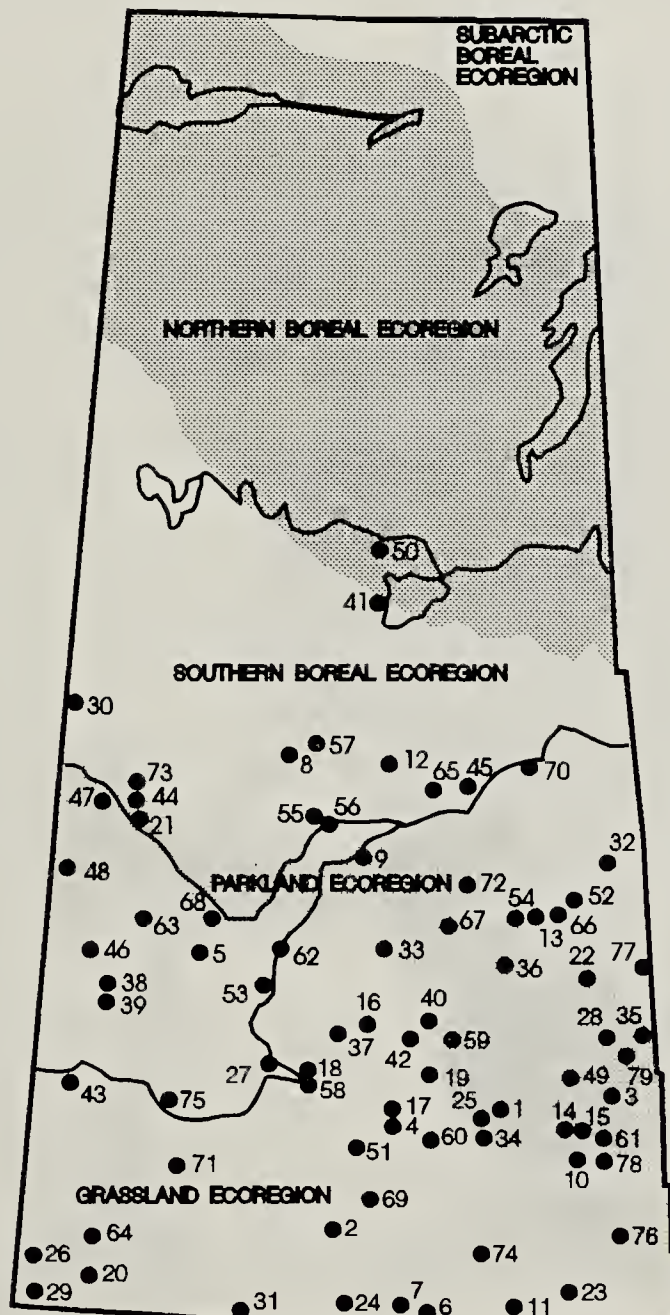


Figure 1. Location of 1990 counts.

Table 2. COUNT COVERAGE (\* indicates counts which conform to the North American standard of all day counts covering a 15 mile diameter circle)

COUNT NAME	Km by Vehicle	Hours by Vehicle	Km on Foot	Hours on Foot	Hours at Feeders	Habitat Covered (%)											
						Coniferous Woods	Mixedwoods	Deciduous Woods	Aspen Grove/Prairie	Aspen Grove/Farmland	Native Prairie	Seeded Pasture	Cultivated Fields	Farmyard	City/town	Open Water	Other
ABERNETHY-KATEPWA LAKE	51	3			1			51-75		26-50							
ASSINIBOIA	35	2			8												
BANGOR	50	3	6	2	20					6-25		26-50	26-50				
BETHUNE	30	3															
*BIGGAR	225	9	5	3	1				6-25			51-75	51-75	6-25			
*BIG MUDDY LAKE	303	12	6	3													
BIG MUDDY VALLEY	8	2	1	2							75		6-25				
BIG RIVER		2			1		51-75								6-25		
BIRCH HILLS	121	5	2	1						26-50		26-50	6-25	6-25			
BROADVIEW	79.6	3.5	2	1.5					26-50	51-75							
*BROMHEAD	142.1	8	5	.33								75	6-25				
*CANDLE LAKE	85	8.5	3.5	3	1.5	6-25	51-75	6-25									
CARRAGANA	23	2	8	2.5	8			26-50		6-25			6-25				
CROOKED LAKE(A)	125	5	3	1	1			26-50		6-25		6-25					
CROOKED LAKE(B)	30	2	3	1	2				75		6-25						
DEVIL'S LAKE	15	1.5	2	2	1					6-25	5			5			
DILKE	66	1.5	3	1.5						6-25	6-25	6-25	6-25				6-25
DOUGLAS PROV. PARK	20	1	6	3	1					25	25		25			25	
DUVAL	107	4.5	8	20	.5				26-50				26-50	6-25	6-25	6-25	
EASTEND	45	3					6-25				26-50						
EDAM																	
ENDEAVOUR			4.5	4.5									26-50				
ESTEVAN	190	6.5	1.5	.75				26-50		51-75	6-25		26-50	6-25		6-25	6-25
FIFE LAKE	179	6	6	2							6-25		26-50	6-25	6-25	6-25	6-25
*FORT QU'APPELLE	219	17	4	2	8				6-25				6-25	6-25	6-25		
*FORT WALSH	190	14.5	33	21	2			26-50					6-25	6-25			6-50
*GARDINER DAM	244	23.25	18	11.25					6-25				51-75	51-75		26-50	
*GOOD SPIRIT LAKE	100	3.5	4	2	3				6-25	6-25	26-50		6-25	26-50	6-25		
*GOVENLOCK	248	13.75	20	10							26-50		26-50	6-25	6-25		6-25
GRAND CENTRE-PIERCELAND	140	5	2	1	1			26-50	6-25				6-25	6-25	6-25	6-25	
*GRASSLANDS NAT. PARK	105	6	5	2							75		6-25				
HUDSON BAY					5									75			
HUMBOLDT	50	2	1	.5	6					6-25	6-25		26-50	51-75			
INDIAN HEAD	120	8	1	1	4					26-50	26-50			6-25	6-25		
KAMSACK																	
KELVINGTON																	
KENASTON		2.5		3										26-50			
KINDERSLEY(A)		2	1.6	.5	1							6-25	75				
KINDERSLEY(B)	4	2			2								26-50	26-50			
*KUTAWAGAN LAKE	230	6	3	2							6-25	6-25	26-50	6-25			
LA RONGE	113	5.5	3	.5	1	6-25	51-75								6-25		
*LAST MOUNTAIN L. W.M.U.	265	6	3	2							6-25	6-25	51-75				
LEADER	38	1	5	2	1						6-25	6-25	6-25	6-25			
LIVELONG	10	1	4	1.5	5			6-25								75	
LOVE-TORCH RIVER	10	1	2	2	40			6-25						6-25	26-50		
LUSELAND	94	3.5	7	4	3								6-25	6-25	6-25		
*MAIDSTONE BRIDGE	165	4	5	4	3				6-25		26-50		6-25	6-25	6-25		
MARSDEN															75		
MELVILLE	100	3			4					6-25			6-25	26-50			
MISSINUIPE					6												
MOOSE JAW	125	7.5	17	5	3								6-25		6-25		26-50
NEELY LAKE	30	3	1	.5	5			6-25	26-50				26-50	26-50			
PIKE LAKE	243	7	18.9	17.3	.5				26-50	6-25			26-50				
PORCUPINE PLAIN	60	2	2	1	5					6-25			26-50	26-50	26-50		
PRINCE ALBERT(A)					3												
PRINCE ALBERT(B)	274	12.75	5	2	2											75	
*PRINCE ALBERT NAT. PARK	125	15	58	21.25	6	6-25	26-50	6-25					6-25	6-25			
*QU'APPELLE DAM	177.1	4.25	4	4					6-25	6-25	6-25	6-25	6-25	6-25		6-25	
*RAYMORE	319	5	7	5	1					6-25			75	6-25			
*REGINA	897	40	39.5	17	2												
ROUND LAKE	75	4			5				6-25	6-25	6-25		6-25	6-25			
*SASKATOON	765.5	69.5	85	41.5	62								6-25		51-75		
*SCOTT	210	6	3	2									26-50	26-50	6-25		
SKULL CREEK		6		6	2					26-50	26-50	6-25	51-75	26-50			



Table 2. COUNT COVERAGE (\* indicates counts which conform to the North American standard of all day counts covering a 15 mile diameter circle)

COUNT NAME	Km by Vehicle	Hours by Vehicle	Km on Foot	Hours on Foot	Hours at Feeders	Habitat Covered (%)														
						Coniferous Woods	Mixedwoods	Deciduous Woods	Aspen Grove/Prairie	Aspen Grove/Farmland	Native Prairie	Seeded Pasture	Cultivated Fields	Farmyard	City/town	Open Water	Other			
SNOWDEN	99	3	4	2.4	15			6-25		26-50										
SOMME	80	3	5	2	3							6-25		6-25	6-25					
SPALDING	80	4	4	2	2				6-25	6-25				6-25						
SPINNEY HILL	200	6	1	.5				26-50		26-50										
SPRING VALLEY	66	2.5	6	2	1							6-25		51-75	26-50					
*SQUAW RAPIDS	125	12	18	10			6-25	26-50	26-50											
SWIFT CURRENT	95	3	3	2																
TISDALE	90	2			4			6-25	26-50	26-50				26-50						
TURTLE LAKE					6															
*WEYBURN	356	10.5	17.5	4.75	1.5		6-25	26-50	6-25	26-50	6-25	6-25		26-50	6-25	6-25				
WHITE BEAR	14	.3	17	7																75
WHITE BEAR LAKE	129	4.5	3	1				26-50		26-50				26-50			6-25			
WHITEBEECH	3	.5	2	1	2			26-50	26-50					6-25						
WHITEWOOD	53	.75	1.6	.75	1			6-25		26-50							6-25			
YORKTON	225		8																	



Northern Hawk Owl

Wayne Lynch

Table 3-1. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

SPECIES	LOCATION & DATE									
	1. ABERNETHY 29 Dec., 1990	2. ASSINIBOIA 02 Jan. 1991	3. BANGOR 02 Jan. 1991	3. BETHUNE 02 Jan. 1991	4. BIGGAR 30 Dec. 1990	5. BIG MUDDY LAKE 02 Jan. 1991	6. BIG MUDDY VALLEY 29 Dec. 1990	7. BIG RIVER 02 Jan. 1991	8. BIRCH HILLS 30 Dec. 1990	9. BROADVIEW 02 Jan. 1991
CANADA GOOSE										
MALLARD	10									
COMMON GOLDENEYE								8		
BALD EAGLE		2								
NORTHERN GOSHAWK								2		
GOLDEN EAGLE		2		+	1	5	2			+
MERLIN				+		1				
PRAIRIE FALCON						1	1			
GRAY PARTRIDGE	12	31		5	43	73	15		12	
RING-NECKED PHEASANT	1					9	2			
RUFFED GROUSE	1		3		1			2	1	+
SHARP-TAILED GROUSE		13	10		7	146	3			5
ROCK DOVE	11		2	2	186				60	
GREAT HORNED OWL		1	1		1	7	1		3	+
SNOWY OWL	+	1		1	1	1				
SHORT-EARED OWL					1	7				
DOWNY WOODPECKER			3		2	1			4	1
HAIRY WOODPECKER	1		3		3				1	
NORTHERN FLICKER										
PILEATED WOODPECKER								1		
HORNED LARK		4			2	1356				
GRAY JAY										
BLUE JAY	+	1	4		2				3	
BLACK-BILLED MAGPIE	5	17	8	2	87	85	2		68	9
COMMON RAVEN	1		5		12			7	22	4
BLACK-CAPPED CHICKADEE	15		16		37	2		3	37	12
BOREAL CHICKADEE										
RED-BREASTED NUTHATCH			1		3					
WHITE-BREASTED NUTHATCH	2		1							2
BROWN CREEPER										
AMERICAN ROBIN										
BOHEMIAN WAXWING			14		86				162	
CEDAR WAXWING	3	7								
NORTHERN SHRIKE				+						+
EUROPEAN STARLING										
AMERICAN TREE SPARROW								12		
DARK-EYED JUNCO					1					
SNOW BUNTING	150	111	300	30	15	252	20		73	+
PINE GROSBEAK			3					3	12	
WHITE-WINGED CROSSBILL										
COMMON REDPOLL			35		122	3			25	
HOARY REDPOLL										
PINE SISKIN										
EVENING GROSBEAK			11		+				44	
HOUSE SPARROW	20	55	30	30	852	897			123	12
NO. SPECIES COUNT DAY	15	12	19	6	22	18	8	6	18	7
NO. SPECIES COUNT PERIOD	17	12	19	9	23	18	8	6	18	13
NO. SPECIES TABLE 4 & 5	2	0	1	0	1	2	0	0	0	1
NO. INDIV. TABLES 4 & 5	5	0	1	0	1	71	0	0	0	0
NO. INDIV. COUNT DAY	237	245	451	70	1466	2917	46	28	660	45



Table 3-2. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

11. BROMHEAD 30 Dec. 1990	12. CANDLE LAKE 02 Jan. 1991	13. CARRAGANA 02 Jan. 1991	14. CROOKED L.(A) 23 Dec. 1990	15. CROOKED L.(B) 02 Jan. 1991	16. DEVIL'S LAKE 26 Dec. 1990	17. DILKE 27 Dec. 1990	18. DOUGLAS P.P. 01 Jan. 1991	19. DUVAL 29 Dec. 1990	20. EASTEND 02 Jan. 1991	LOCATION & DATE	SPECIES
											CANADA GOOSE
							4				MALLARD
			2				5				COMMON GOLDENEYE
							2		1		BALD EAGLE
											NORTHERN GOSHAWK
2						1	1				GOLDEN EAGLE
				1							MERLIN
											PRAIRIE FALCON
13			11			+	9	12	11		GRAY PARTRIDGE
6									6		RING-NECKED PHEASANT
	5	2									RUFFED GROUSE
12	14		22				12	7			SHARP-TAILED GROUSE
2						1	4				ROCK DOVE
4						+	1	2			GREAT HORNED OWL
8						1	2	2	1		SNOWY OWL
1											SHORT-EARED OWL
	4	1	5	2	2	1	1	2			DOWNY WOODPECKER
	1	1	3	3	2						HAIRY WOODPECKER
											NORTHERN FLICKER
											PILEATED WOODPECKER
164						15		7	150		HORNED LARK
	9	1									GRAY JAY
	5	1	2		5						BLUE JAY
4	31	3	18	3	3	23	6	16			BLACK-BILLED MAGPIE
	131	3	2								COMMON RAVEN
	126	4	48	28	11		6	9			BLACK-CAPPED CHICKADEE
	30										BOREAL CHICKADEE
	6										RED-BREASTED NUTHATCH
		1	2	3				+			WHITE-BREASTED NUTHATCH
											BROWN CREEPER
					11						AMERICAN ROBIN
							19				BOHEMIAN WAXWING
											CEDAR WAXWING
											NORTHERN SHRIKE
											EUROPEAN STARLING
							4				AMERICAN TREE SPARROW
2476		50		5	30	+	15	97			DARK-EYED JUNCO
	9	14	4								SNOW BUNTING
	33										PINE GROSBEAK
	3	40	3					+			WHITE-WINGED CROSSBILL
							3				COMMON REDPOLL
											HOARY REDPOLL
											PINE SISKIN
	27	4									EVENING GROSBEAK
18			30	40	2	63		97			HOUSE SPARROW
13	15	13	12	9	8	7	16	10	5		NO. SPECIES COUNT DAY
13	15	13	12	10	8	10	16	13	5		NO. SPECIES COUNT PERIOD
1	0	0	0	1	0	0	0	1	0		NO. SPECIES TABLE 4 & 5
5445	0	0	0	0	0	0	0	0	0		NO. INDIV. TABLES 4 & 5
8155	434	125	150	87	66	105	94	251	169		NO. INDIV. COUNT DAY

Table 3-3. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

SPECIES	LOCATION & DATE	21. EDAM 25 Dec. 1990	22. ENDEAVOUR 26 Dec. 1990	23. ESTEVAN 22 Dec. 1990	24. FIFE LAKE 30 Dec. 1990	25. FT. QU'APPELLE 15 Dec. 1990	26. FT. WALSH 15 Dec. 1990	27. GARDINER DAM 17 Dec. 1990	28. GOOD SPIRIT LAKE 01 Jan. 1991	29. GOVENLOCK 16 Dec. 1990
CANADA GOOSE				480	13	20		1		
MALLARD				99	10000	229	10	7100		
COMMON GOLDENEYE				2	1	1	1	130		
BALD EAGLE		1						15		1
NORTHERN GOSHAWK		+				1	1		+	
GOLDEN EAGLE					1		3	4		11
MERLIN										2
PRAIRIE FALCON				2	+					3
GRAY PARTRIDGE		+		18	51	9	7	77		8
RING-NECKED PHEASANT				1	2	1	8			23
RUFFED GROUSE		+	2			3	1		1	
SHARP-TAILED GROUSE		+	6	2	5	7	11	61		134
ROCK DOVE			1	35		7	7	85	9	37
GREAT HORNED OWL		1	1	3		1	4	5		3
SNOWY OWL		+		2				4		10
SHORT-EARED OWL				+	2		1			
DOWNY WOODPECKER		5	1	1	1	4	7	1	9	1
HAIRY WOODPECKER		3	4		1	1	2	1	8	
NORTHERN FLICKER										
PILEATED WOODPECKER			+						1	
HORNED LARK				53	3050	+	2	37		1551
GRAY JAY		+				+				
BLUE JAY		4				25		2	3	
BLACK-BILLED MAGPIE		12	2	15		73	140	127	10	22
COMMON RAVEN		6	27			+	2	1	8	
BLACK-CAPPED CHICKADEE		18	4	3	1	48	59	9	42	
BOREAL CHICKADEE										
RED-BREASTED NUTHATCH						+	60			
WHITE-BREASTED NUTHATCH						9			2	
BROWN CREEPER							3			
AMERICAN ROBIN										
BOHEMIAN WAXWING				5	22		89		+	
CEDAR WAXWING						7				
NORTHERN SHRIKE							6	2		1
EUROPEAN STARLING				+		1				4
AMERICAN TREE SPARROW							26			3
DARK-EYED JUNCO		+					21	2	+	3
SNOW BUNTING			150	300	1000	44	67	579	90	432
PINE GROSBEAK		4	5			+	2		40	
WHITE-WINGED CROSSBILL							66			
COMMON REDPOLL		+		4		50	95	209	62	75
HOARY REDPOLL							3		6	1
PINE SISKIN										
EVENING GROSBEAK		+				2			+	
HOUSE SPARROW		39	3	10	39	350	193	707	105	347
NO. SPECIES COUNT DAY		10	12	19	15	25	39	28	15	29
NO. SPECIES COUNT PERIOD		22	13	21	16	30	40	28	19	29
NO. SPECIES TABLE 4 & 5		3	0	1	0	3	11	6	0	8
NO. INDIV. TABLES 4 & 5		0	0	30	0	4	61	715	0	32
NO. INDIV. COUNT DAY		93	206	1065	14189	897	958	9874	396	2704



Table 3-4. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

30. GRAND CENTRE 26 Dec. 1990	31. GRASSLANDS 30 Dec. 1990	32. HUDSON BAY 02 Jan. 1991	33. HUMBOLDT 26 Dec. 1990	34. INDIAN HEAD 30 Dec. 1990	35. KAMSACK 02 Jan. 1991	36. KELVINGTON 02 Jan. 1991	37. KENASTON 26 Dec. 1990	38. KINDERSLEY (A) 26 Dec. 1990	LOCATION & DATE	SPECIES
				12						CANADA GOOSE
										MALLARD
										COMMON GOLDENEYE
										BALD EAGLE
										NORTHERN GOSHAWK
1										GOLDEN EAGLE
			+							MERLIN
										PRAIRIE FALCON
	34		8	8	10		24	+		GRAY PARTRIDGE
	110									RING-NECKED PHEASANT
+				2						RUFFED GROUSE
	7		27	14	2		24			SHARP-TAILED GROUSE
6			80	4			1	4		ROCK DOVE
+	2			5	2		+	+		GREAT HORNED OWL
			+	2			+	+		SNOWY OWL
										SHORT-EARED OWL
1			+	2	5	2				DOWNY WOODPECKER
4		+		2		2				HAIRY WOODPECKER
										NORTHERN FLICKER
1					3					PILEATED WOODPECKER
	148						1			HORNED LARK
2					9					GRAY JAY
9		2	+	2	19	4		+		BLUE JAY
30	111		2	30	14	2	5	2		BLACK-BILLED MAGPIE
135		+	2	1	26	2				COMMON RAVEN
48	2	5	35	66	87	6				BLACK-CAPPED CHICKADEE
1					6					BOREAL CHICKADEE
1				9	8					RED-BREASTED NUTHATCH
		2	4	2	3	1				WHITE-BREASTED NUTHATCH
				1						BROWN CREEPER
			21		120	75		+		AMERICAN ROBIN
										BOHEMIAN WAXWING
				1			+			CEDAR WAXWING
										NORTHERN SHRIKE
	2									EUROPEAN STARLING
										AMERICAN TREE SPARROW
+				1	4					DARK-EYED JUNCO
5	30		+	175	75	300	375			SNOW BUNTING
90		12	6	3	92					PINE GROSBEAK
2										WHITE-WINGED CROSSBILL
73	35	5	2		38					COMMON REDPOLL
10										HOARY REDPOLL
			1	2	10					PINE SISKIN
111		7		4	279					EVENING GROSBEAK
36	110		142	157	170	6	15	25		HOUSE SPARROW
19	13	6	12	24	22	10	7	3		NO. SPECIES COUNT DAY
22	13	9	17	26	22	10	10	8		NO. SPECIES COUNT PERIOD
0	2	1	0	2	1	0	0	0		NO. SPECIES TABLE 4 & 5
0	20	0	0	0	8	0	0	0		NO. INDIV. TABLES 4 & 5
566	611	33	330	506	990	400	445	31		NO. INDIV. COUNT DAY

Table 3-5. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

SPECIES	LOCATION & DATE	39. KINDERSLEY (B) 26 Dec. 1990	40. KUTAWAGAN L. 26 Dec. 1990	41. LA RONGE 26 Dec. 1990	42. LAST MT. LAKE 28 Dec. 1990	43. LEADER 31 Dec. 1990	44. LIVELONG 02 Jan. 1991	45. LOVE - TORCH R. 31 Dec. 1990	46. LUSELAND 02 Jan. 1991	47. MAIDSTONE BR. 02 Jan. 1991
CANADA GOOSE										
MALLARD				+						
COMMON GOLDENEYE										
BALD EAGLE										
NORTHERN GOSHAWK					2					3
GOLDEN EAGLE			+		+	1				
MERLIN										
PRAIRIE FALCON										
GRAY PARTRIDGE			96		34	10		8	39	
RING-NECKED PHEASANT						15				
RUFFED GROUSE								3		2
SHARP-TAILED GROUSE			31		11	8			+	9
ROCK DOVE			12		8	25	20	20	11	4
GREAT HORNED OWL			2		1			+	1	3
SNOWY OWL		2	1		1				1	+
SHORT-EARED OWL					+					
DOWNY WOODPECKER				1			2	2	+	4
HAIRY WOODPECKER				2			4	5	+	1
NORTHERN FLICKER										
PILEATED WOODPECKER										+
HORNED LARK			1		2				+	+
GRAY JAY				6			+	8	+	
BLUE JAY				4			20	20	2	25
BLACK-BILLED MAGPIE		1	60	2	60	56	2	2	13	56
COMMON RAVEN				116				22		5
BLACK-CAPPED CHICKADEE			1	9		2	20	63	12	28
BOREAL CHICKADEE				5						
RED-BREASTED NUTHATCH								+		
WHITE-BREASTED NUTHATCH							+	1		
BROWN CREEPER										
AMERICAN ROBIN										1
BOHEMIAN WAXWING		35						16	11	
CEDAR WAXWING										
NORTHERN SHRIKE							+			
EUROPEAN STARLING										1
AMERICAN TREE SPARROW						+				
DARK-EYED JUNCO								2		
SNOW BUNTING			2046		558	+	50	150	337	47
PINE GROSBEAK				24			30	57		11
WHITE-WINGED CROSSBILL										
COMMON REDPOLL			50		3		+	33	2	25
HOARY REDPOLL								1		
PINE SISKIN								1		
EVENING GROSBEAK				46			+	237		3
HOUSE SPARROW		18	202		75	11	40	16	115	260
NO. SPECIES COUNT DAY		4	11	10	11	8	9	20	11	18
NO. SPECIES COUNT PERIOD		4	12	11	13	10	14	22	16	21
NO. SPECIES TABLE 4 & 5		0	0	0	0	0	0	0	0	1
NO. INDIV. TABLES 4 & 5		0	0	0	0	0	0	0	0	1
NO. INDIV. COUNT DAY		56	2502	215	755	128	188	667	544	488



Table 3-6. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

48. MARS DEN 26 Dec. 1990	49. MELVILLE 26 Dec. 1990	50. MISSINUIPE 15 Dec. 1990	51. MOOSE JAW 26 Dec. 1990	52. NEELY LAKE 29 Dec. 1990	53. PIKE LAKE 30 Dec. 1990	54. PORCUPINE PLAIN 15 Dec. 1990	55. PRINCE ALBERT (A) 16 Dec. 1990	56. PRINCE ALBERT (B) 22 Dec. 1990	LOCATION & DATE	SPECIES
										CANADA GOOSE
										MALLARD
										COMMON GOLDENEYE
										BALD EAGLE
										NORTHERN GOSHAWK
										GOLDEN EAGLE
										MERLIN
										PRAIRIE FALCON
24			15		33	12				GRAY PARTRIDGE
			2							RING-NECKED PHEASANT
11				3	7	+				RUFFED GROUSE
5	25			46	105					SHARP-TAILED GROUSE
6	30		155	7		+		323		ROCK DOVE
1			1	+	3					GREAT HORNED OWL
1			1	+						SNOWY OWL
			1		1					SHORT-EARED OWL
4			14	4	17	1	2	2		DOWNY WOODPECKER
4		1	6	3	14	2	2	1		HAIRY WOODPECKER
1			1							NORTHERN FLICKER
				2		1	2			PILEATED WOODPECKER
2			6							HORNED LARK
1		8		4		1				GRAY JAY
13		3	1	9	15	14	1	7		BLUE JAY
3	1		67	19	125	20	1	28		BLACK-BILLED MAGPIE
	3			19	9	12	4	158		COMMON RAVEN
46	3	14	32	14	145	74	8	66		BLACK-CAPPED CHICKADEE
		15			1					BOREAL CHICKADEE
			7					1		RED-BREASTED NUTHATCH
			3	2	2	4	2	1		WHITE-BREASTED NUTHATCH
			+							BROWN CREEPER
					1					AMERICAN ROBIN
39			+		25	46	12	1649		BOHEMIAN WAXWING
1										CEDAR WAXWING
			+		1					NORTHERN SHRIKE
						1	1			EUROPEAN STARLING
					9					AMERICAN TREE SPARROW
			2			5				DARK-EYED JUNCO
12	50			52	169	+		10		SNOW BUNTING
1		24	3	14	32	25	4	62		PINE GROSBEAK
4										WHITE-WINGED CROSSBILL
	20		25	14	376	28	2	3		COMMON REDPOLL
				7	1	6				HOARY REDPOLL
										PINE SISKIN
1		20		13		32	20	131		EVENING GROSBEAK
1530	36		453	60	647	91	6	184		HOUSE SPARROW
21	8	7	22	18	23	21	14	15		NO. SPECIES COUNT DAY
21	8	7	25	21	24	25	14	18		NO. SPECIES COUNT PERIOD
0	0	0	2	0	1	2	0	0		NO. SPECIES TABLE 4 & 5
0	0	0	5	0	1	1	0	0		NO. INDIV. TABLES 4 & 5
1710	168	85	801	292	1739	378	67	2626		NO. INDIV. COUNT DAY

Table 3-7. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

SPECIES	LOCATION & DATE	57. P.A. NAT. PARK 16 Dec. 1990	58. QU'APPELLE DAM 15 Dec. 1990	59. RAYMORE 25 Dec. 1990	60. REGINA 26 Dec. 1990	61. ROUND LAKE 02 Jan. 1991	62. SASKATOON 26 Dec. 1990	63. SCOTT 01 Jan. 1991	64. SKULL CREEK 26 Dec. 1990	65. SNOWDEN 23 Dec. 1990
CANADA GOOSE			317		335					
MALLARD			57		14		1			
COMMON GOLDENEYE			38				68			
BALD EAGLE			6	+					+	
NORTHERN GOSHAWK		+		2					1	1
GOLDEN EAGLE			1	1					4	
MERLIN				+	2		1			
PRAIRIE FALCON				+					2	
GRAY PARTRIDGE				11	96	10	27	31	+	8
RING-NECKED PHEASANT									3	
RUFFED GROUSE		+		+	1		8			2
SHARP-TAILED GROUSE			76	47	13	6	54		25	
ROCK DOVE			16	41	672	2	1547	16	4	
GREAT HORNED OWL			1	4	10	1	5		2	
SNOWY OWL			3	1	5		2	1	2	
SHORT-EARED OWL				+	23		1			
DOWNY WOODPECKER		12		1	6	8	32	2	7	3
HAIRY WOODPECKER		13	1	2	3	6	28	1	3	3
NORTHERN FLICKER					3		9			
PILEATED WOODPECKER		1								
HORNED LARK			3	4	2				232	
GRAY JAY		9								2
BLUE JAY		1		+	3	4	30	5		18
BLACK-BILLED MAGPIE		21	31	31	125	28	587	36	13	10
COMMON RAVEN		10		+		2	8			89
BLACK-CAPPED CHICKADEE		70	10	9	16	30	285	23	65	48
BOREAL CHICKADEE		19								2
RED-BREASTED NUTHATCH		11		+	10		33			
WHITE-BREASTED NUTHATCH					5	10				3
BROWN CREEPER				+		+				
AMERICAN ROBIN		1					1			
BOHEMIAN WAXWING				35			2319	40	285	
CEDAR WAXWING							44			
NORTHERN SHRIKE			1	+	2		1			
EUROPEAN STARLING			15	6	13		45			
AMERICAN TREE SPARROW				+			2		6	
DARK-EYED JUNCO				+	6		3			1
SNOW BUNTING		3	237	427	937	400	1076	904	2500	120
PINE GROSBEAK		8		7			19			8
WHITE-WINGED CROSSBILL		46		1	5		35			
COMMON REDPOLL		24	7	117	2	+	408	40	9	16
HOARY REDPOLL				11			5	6		
PINE SISKIN					36		1			
EVENING GROSBEAK		21		+		20	1		1	160
HOUSE SPARROW			249	270	1559	25	4693	121	84	23
NO. SPECIES COUNT DAY		20	22	21	35	14	40	14	22	18
NO. SPECIES COUNT PERIOD		22	22	39	36	16	40	14	25	19
NO. SPECIES TABLE 4 & 5		5	4	6	9	0	8	1	4	1
NO. INDIV. TABLES 4 & 5		11	6	1	20	0	72	3	55	0
NO. INDIV. COUNT DAY		280	1075	1029	3924	552	11450	1229	3303	517



Table 3-8. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

66. SOMME 17 Dec. 1990	67 SPALDING 02 Jan. 1991	68 SPINNEY HILL 02 Jan. 1991	69 SPRING VALLEY 27 Dec. 1990	70 SQUAW RAPIDS 22 Dec. 1990	71 SWIFT CURRENT 26 Dec. 1990	72 TISDALE 25 Dec. 1990	73. TURTLE LAKE 25 Dec. 1990	74. WEYBURN 15 Dec. 1990	LOCATION & DATE	SPECIES
								+		CANADA GOOSE
				10						MALLARD
				275						COMMON GOLDENEYE
2			+	3						BALD EAGLE
1				10						NORTHERN GOSHAWK
1			+							GOLDEN EAGLE
								1		MERLIN
								1		PRAIRIE FALCON
6			57		4	7		44		GRAY PARTRIDGE
		1						+		RING-NECKED PHEASANT
2	3						3			RUFFED GROUSE
		18	24	4			15	44		SHARP-TAILED GROUSE
5	7	2	15		19			98		ROCK DOVE
2		1	3	1			3	5		GREAT HORNED OWL
			+			1	2	2		SNOWY OWL
			1					+		SHORT-EARED OWL
3		2	+	2		3	6	8		DOWNY WOODPECKER
10		1		3		3	7	1		HAIRY WOODPECKER
					1					NORTHERN FLICKER
1						1	2			PILEATED WOODPECKER
			27					172		HORNED LARK
6				1			12			GRAY JAY
16		1		1	1	6	10			BLUE JAY
22	1	107	5	7	10	4	5	41		BLACK-BILLED MAGPIE
81	2	5		68		4	30			COMMON RAVEN
16	3	23		41	1	8	25	7		BLACK-CAPPED CHICKADEE
7				5			1			BOREAL CHICKADEE
				2	1			1		RED-BREASTED NUTHATCH
3				1	1		7	3		WHITE-BREASTED NUTHATCH
				1				+		BROWN CREEPER
					1			2		AMERICAN ROBIN
2	3		18		19	15		+		BOHEMIAN WAXWING
										CEDAR WAXWING
+		1	1					1		NORTHERN SHRIKE
			10					6		EUROPEAN STARLING
										AMERICAN TREE SPARROW
					2			7		DARK-EYED JUNCO
2	1	315	500	73		20	25	577		SNOW BUNTING
64	+	2		22		20	75	1		PINE GROSBEAK
										WHITE-WINGED CROSSBILL
11		53		16		15	15	24		COMMON REDPOLL
2				13						HOARY REDPOLL
								6		PINE SISKIN
43		4	+	22		10	100			EVENING GROSBEAK
82	60	49	360	3	400	20		719		HOUSE SPARROW
25	8	16	12	30	13	15	20	25		NO. SPECIES COUNT DAY
27	9	16	17	30	13	15	20	32		NO. SPECIES COUNT PERIOD
2	0	0	0	7	1	0	2	4		NO. SPECIES TABLE 4 & 5
1	0	0	0	18	1	0	3	2		NO. INDIV. TABLES 4 & 5
391	80	585	1021	602	461	137	346	1773		NO. INDIV. COUNT DAY

Table 3-9. SPECIES RECORDED FROM MORE THAN FIVE LOCALITIES (+ = a species seen during the count period but not on count day).

SPECIES	LOCATION & DATE	75. WHITE BEAR 30 Dec. 1990	76. WHITE BEAR L. 18 Dec. 1990	77. WHITEBEECH 02 Jan. 1991	78. WHITEWOOD 15 Dec. 1990	79. YORKTON 02 Jan. 1991	TOTAL INDIVIDUALS	NO. OF COUNTS COUNT DAY	NO. OF COUNTS COUNT PERIOD
CANADA GOOSE							1166	6	8
MALLARD							17546	12	13
COMMON GOLDENEYE							531	11	11
BALD EAGLE							33	9	12
NORTHERN GOSHAWK		+			+		26	12	18
GOLDEN EAGLE							42	17	22
MERLIN							10	8	11
PRAIRIE FALCON		+					10	6	9
GRAY PARTRIDGE		74				23	1170	45	49
RING-NECKED PHEASANT		6	1			17	214	18	19
RUFFED GROUSE				1			70	24	30
SHARP-TAILED GROUSE		4	24	+	+	4	1149	45	49
ROCK DOVE		360	2		40	61	4072	49	50
GREAT HORNED OWL		+				1	99	39	48
SNOWY OWL		+			1	1	59	30	39
SHORT-EARED OWL		3					42	11	15
DOWNY WOODPECKER						1	218	52	55
HAIRY WOODPECKER			9	2	2	2	191	50	52
NORTHERN FLICKER						+	15	5	6
PILEATED WOODPECKER				+		1	17	12	15
HORNED LARK		+					6991	24	28
GRAY JAY							79	15	19
BLUE JAY			7	7		+	337	44	49
BLACK-BILLED MAGPIE		42	25	+	5	43	2702	73	74
COMMON RAVEN				3		3	1050	40	43
BLACK-CAPPED CHICKADEE			62	5	10	46	2127	66	66
BOREAL CHICKADEE							92	11	11
RED-BREASTED NUTHATCH						+	154	15	19
WHITE-BREASTED NUTHATCH			6	+		4	92	30	33
BROWN CREEPER							5	3	7
AMERICAN ROBIN							7	6	6
BOHEMIAN WAXWING							5174	27	31
CEDAR WAXWING						1	82	7	7
NORTHERN SHRIKE							18	11	18
EUROPEAN STARLING							105	12	13
AMERICAN TREE SPARROW							62	7	9
DARK-EYED JUNCO						2	62	15	19
SNOW BUNTING		+		+	+	252	19096	57	65
PINE GROSBEAK				4		2	818	39	41
WHITE-WINGED CROSSBILL							192	8	8
COMMON REDPOLL			74	2		1	2294	47	51
HOARY REDPOLL							75	14	15
PINE SISKIN							57	7	8
EVENING GROSBEAK				40			1414	29	35
HOUSE SPARROW		150	4	+	35	389	17762	67	68
NO. SPECIES COUNT DAY		7	10	8	6	19			
NO. SPECIES COUNT PERIOD		14	10	14	9	22			
NO. SPECIES TABLE 4 & 5		1	0	0	0	0			
NO. INDIV. TABLES 4 & 5		0	0	0	0	0			
NO. INDIV. COUNT DAY		639	214	64	93	854			



Table 4. SPECIES SEEN ON FIVE OR FEWER COUNTS

SPECIES	LOCATION AND NUMBER
WESTERN GREBE	Qu'Appelle Dam, 1.
TUNDRA SWAN	Qu'Appelle Dam, 3.
AMERICAN BLACK DUCK	Gardiner Dam, 1.
LESSER SCAUP	Fort Qu'Appelle, 1; Squaw Rapids, 1.
HARLEQUIN DUCK	Gardiner Dam, 1.
BUFFLEHEAD	Qu'Appelle Dam, 1; Squaw Rapids, 1.
COMMON MERGANSER	Abernethy, 4; Gardiner Dam, 274; Squaw Rapids, 11.
RED-BREASTED MERGANSER	Gardiner Dam, 1; Squaw Rapids, 1.
TURKEY VULTURE	Edam, +.
COOPER'S HAWK	Skull Creek, 1.
RED-TAILED HAWK	Raymore, +; Squaw Rapids, 1.
ROUGH-LEGGED HAWK	Fort Walsh, 2; Govenlock, 6; Raymore, +.
AMERICAN KESTREL	Crooked Lake(B), +; Indian Head, +.
PEREGRINE FALCON	Govenlock, 1.
GYRFALCON	Biggar, 1; Govenlock, 1; Raymore, +.
SPRUCE GROUSE	Prince Albert National Park, 1; Turtle Lake, 2.
SAGE GROUSE	Govenlock, 8; Grasslands National Park, 19.
WILD TURKEY	Fort Qu'Appelle, 2; Fort Walsh, 4; Kamsack, 8.
KILLDEER	Govenlock, 1.
GLAUCOUS GULL	Gardiner Dam, 4.
NORTHERN HAWK OWL	Abernethy, 1; Fort Qu'Appelle, 1; Raymore, 1; Regina, 1; Squaw Rapids, 1.
BARRED OWL	Duval, +; Somme, +.
GREAT GRAY OWL	Hudson Bay, +; Prince Albert Nat. Park, 3; Snowden, +; Turtle Lake, 1.
NORTHERN SAW-WHET OWL	Porcupine Plain, +; Weyburn, +.
THREE-TOED WOODPECKER	Fort Walsh, 1; Prince Albert National Park, 1; Somme, 1.
BLACK-BACKED WOODPECKER	Squaw Rapids, 1.
AMERICAN CROW	Indian Head, 1; Regina, 1; Saskatoon, 4.
GOLDEN-CROWNED KINGLET	Fort Walsh, 11; Gardiner Dam, 4; Prince Albert National Park, 5; Raymore, +; Saskatoon, 4.
TOWNSEND'S SOLITAIRE	Fort Walsh, 1; Indian Head, +.
VARIED THRUSH	Saskatoon, 1.
FOX SPARROW	Raymore, +.
SONG SPARROW	Fort Wash, 2.
WHITE-THROATED SPARROW	Broadview, +; Porcupine Plain, 1; Regina, 4; Saskatoon, 1.
HARRIS' SPARROW	Fort Walsh, 3; Govenlock, 2; Skull Creek, 2; Weyburn, +.
LAPLAND LONGSPUR	Big Muddy L., 70; Bromhead, 5445; Estevan, 30; Govenlock, 11; Regina, 1.
RED-WINGED BLACKBIRD	Fort Walsh, 1; Weyburn, 1.
RUSTY BLACKBIRD	Edam, +; Fort Walsh, 24; Govenlock, 2; Regina, 1; Snowden, +.
BREWER'S BLACKBIRD	Moose Jaw, 4; Swift Current, 1; Weyburn, 1.
COMMON GRACKLE	Moose Jaw, 1; Regina, +; Saskatoon, 1.
ROSY FINCH	Skull Creek, 52.
ROSY FINCH (Gray-crowned)	Saskatoon, 1; White Bear, +.
ROSY FINCH (Black)	Big Muddy Lake, 1.
PURPLE FINCH	Regina, 1.
RED CROSSBILL	Fort Walsh, 9; Regina, 10; Saskatoon, 14; Scott, 3.

Table 5. BIRDS NOT IDENTIFIED TO SPECIES

SPECIES	LOCATION AND NUMBER
DUCK species	Gardiner Dam, 400.
EAGLE species	Fort Walsh, 1; Grasslands National Park, 1.
ACCIPITER species	Qu'Appelle Dam, 1; Regina, 1.
HAWK species	Bangor, 1.
FALCON species	Edam, +; Fort Walsh, +.
WOODPECKER species	Fort Walsh, 1; Squaw Rapids, 1.
BLACKBIRD species	Fort Walsh, 1.
REDPOLL species	Gardiner Dam, 30; Saskatoon, 45.



Table 6. SUMMARY OF NEW OR TYING HIGH COUNTS ESTABLISHED DURING THE 1990 COUNTS (tying counts regular type; boldface indicates a new record).

LOCATION	1990 COUNT	SPECIES	PREVIOUS HIGH	LOCATION AND YEAR
Qu'Appelle Dam	1	Western Grebe	1	Gardiner Dam 79,88; Regina 56,59
Gardiner Dam	1	American Black Duck	1	Regina 73; Gardiner Dam 88
<b>Fife Lake</b>	<b>10000</b>	<b>Mallard</b>	<b>8956</b>	<b>Gardiner Dam 88</b>
<b>Gardiner Dam</b>	<b>1</b>	<b>Harlequin Duck</b>		<b>NEW</b>
<b>Gardiner Dam</b>	<b>274</b>	<b>Common Merganser</b>	<b>164</b>	<b>Gardiner Dam 89</b>
Skull Creek	1	Cooper's Hawk	1	9 records n. to Battleford
Govenlock	1	Peregrine Falcon	1	17 records n. to Squaw Rapids- Carrot River
Govenlock	1	Killdeer	1	Govenlock 82
Gardiner Dam	4	Glaucous Gull	4	Gardiner Dam 87,88
Regina	23	Short-eared Owl	23	Regina 69
<b>Saskatoon</b>	<b>32</b>	<b>Downy Woodpecker</b>	<b>31</b>	<b>Saskatoon 88</b>
<b>Saskatoon</b>	<b>28</b>	<b>Hairy Woodpecker</b>	<b>25</b>	<b>Saskatoon 86</b>
Saskatoon	9	Northern Flicker	9	Saskatoon
<b>Fife Lake</b>	<b>3050</b>	<b>Horned Lark</b>	<b>3043</b>	<b>Govenlock 83</b>
<b>Saskatoon</b>	<b>587</b>	<b>Black-billed Magpie</b>	<b>452</b>	<b>Saskatoon 86</b>
<b>Saskatoon</b>	<b>285</b>	<b>Black-capped Chickadee</b>	<b>270</b>	<b>Saskatoon 86</b>
Saskatoon	1	Varied Thrush	1	5 records n. to Saskatoon
Fort Walsh	6	Northern Shrike	6	Saskatoon 63; Pike Lake 69; Fort Walsh 89
Fort Walsh	2	Song Sparrow	2	Fort Qu'Appelle 88
Fort Walsh	3	Harris' Sparrow	3	Govenlock 86
<b>Bromhead</b>	<b>5445</b>	<b>Lapland Longspur</b>	<b>5272</b>	<b>Big Muddy Lake 88</b>
<b>Big Muddy Lake</b>	<b>1</b>	<b>Rosy Finch (Black)</b>		<b>NEW</b>



*Bohemian Waxwings*

*Wayne Harris*