

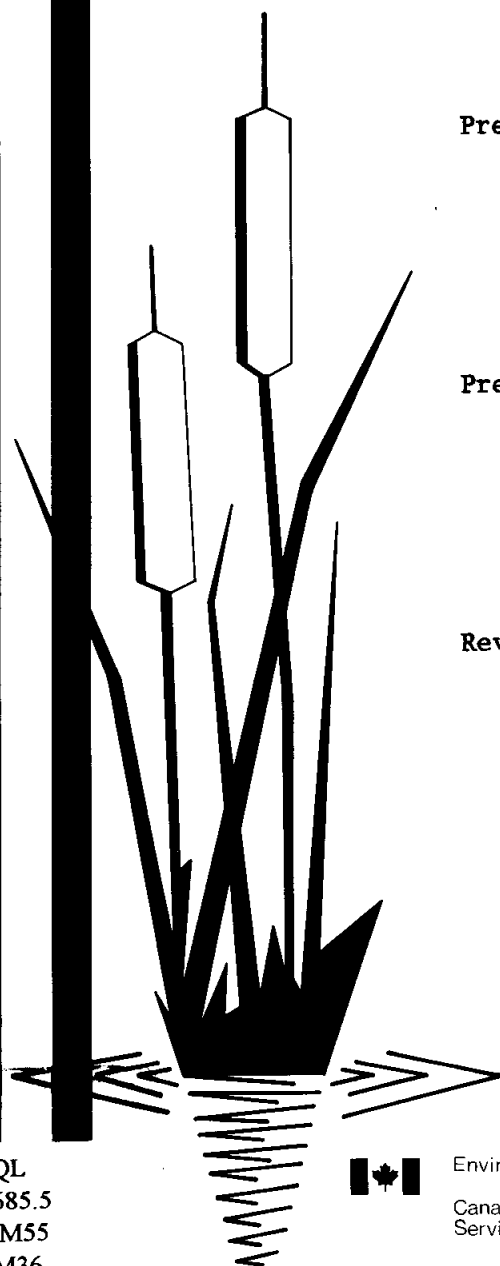
MAPPING SURVEY OF MIGRATORY BIRD BREEDING AND STAGING SITES
IN MANITOBA

Prepared for: Environment Canada
Canadian Wildlife Service
Saskatoon, Saskatchewan

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February 1987



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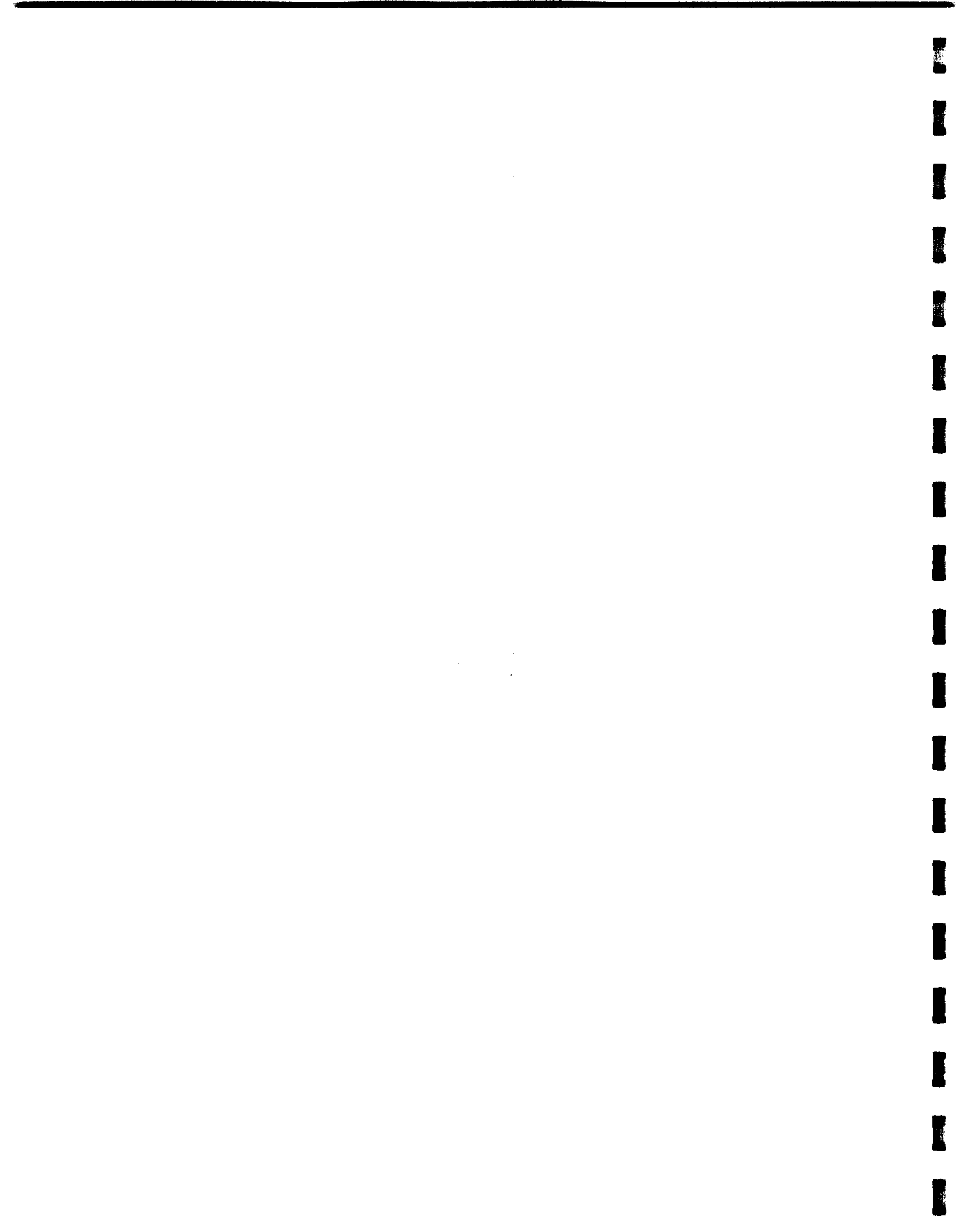
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- 5 Species list of rare, uncommon and important birds.
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groups and reliability codes for important sites.
- 7 Reduced copies of 1:250,000 map sheets.
- 8 Original 1:250,000 map sheets (under separate cover).



Introduction

During the past three years Dr. Adams of the Canadian Wildlife Service (CWS), Prairie Migratory Bird Research Center in Saskatoon, Saskatchewan, has been coordinating a mapping inventory survey of known information about the status of important migratory bird sites in the three prairie provinces (Alberta, Saskatchewan, and Manitoba). This historic information has been assembled to meet CWS objectives for identifying and protecting key areas utilized by migratory birds and to ensure protection of threatened species.

This report is a preliminary mapping inventory of published and unpublished information on selected bird species throughout Manitoba. The report is modeled after Ealey's survey (1986) completed for the Province of Alberta. The guidelines for the report are given in the Terms of Reference (Appendix 1).

The Site Files (Appendix 2) describing the mapped sites are based on the information and sources reviewed (Appendix 3). Those sources of information that could not be gathered for whatever reason are outlined in the Future Work section.

This report was designed and organized in such a way as to enable CWS to update the Site Files and maps periodically as new regional information becomes available.

METHODS

A review of all published and unpublished data on waterfowl and migratory non-game bird breeding and staging sites in Manitoba was conducted. Data were gathered through visits to regional offices of the Manitoba Wildlife Branch, Canadian Wildlife Service, Ducks Unlimited, and other sources such as universities, the Manitoba Naturalist Society, the provincial museum, and local bird authorities.

Data included were all records deemed significant by meeting the criteria of the Terms of Reference (Appendix 1). Pertinent information were gathered in two major categories: (1) non-game migratory bird breeding and concentration sites and (2) waterfowl breeding, staging and moulting areas. This information was recorded on data forms (Appendix 4) and entered into a computer. The information appears in this report in two separate categories: (1) Map References to Uncommon Indicator Birds and (2) Important Sites.

Through consultation with many agencies, ornithologists, and local bird authorities, a list of rare, uncommon, and important bird species in Manitoba was made. This list can be seen in Appendix 5 along with the 12 Major Species Groups of Birds that they belong in. Details of the criteria of data sought are discussed below.

Data used in this report were usually gathered from information no earlier than 1960, although a few records for some rare species were dated earlier.

Non-game Migratory Bird Breeding, Staging and Concentration Sites.

(1) Map References to Uncommon Indicator Birds

Species considered for site mapping were: special status species such as the American White Pelican, Piping Plover, Whooping Crane, and Burrowing Owl; colonially nesting species, such as some grebes, herons gulls, and cormorants; species of rare and unusual occurrence and species outside their normal range at identifiable sites, such as Ross' Gull and Great Egret; and species whose nest sites are vulnerable or traditional, such as the less common raptors like the Bald Eagle and the Ferruginous Hawk.

The main species were the birds on the species list in Appendix 5. When information of rare, uncommon, or accidental bird species other than that which is on the list was found, it was included in the site files if a fairly accurate location could be applied to it.

Each nest or other important site was given a number, a legal location, a descriptive location, the species involved and the species group in which it belongs (see Appendix 5), and any useful data such as number of eggs, number of young, dates observed, names of observer, and the reference from which the data was gathered. The symbols used on the maps to identify nest sites and other sites are shown in Appendix 6.

(2) Important Sites

The criteria for selecting Important Sites were modeled after Ealey (1986) and were:

- 3 map references to Uncommon Indicator Birds from the same area whether from different species groups or a concentration of one species.
- A map reference to an uncommon species that was particularly uncommon within a certain map sheet.
- The site had to have significant diversity of bird species.

Rare, uncommon, or accidental bird species other than that which is on the list in Appendix 5 were included if the site location fell within the boundaries of an Important Site even if no accurate location could be applied to it.

Areas where some importance was indicated by a knowledgeable source but for which little or no data on nests or staging numbers of key species could be found, were included as Important sites.

Waterfowl Staging and Moulting Sites

Waterfowl moulting and staging data were gathered mostly from the Department of Natural Resources, Canadian Wildlife Service, and Ducks Unlimited. The original data gathered by these agencies had been done in different ways in different parts of the Province of Manitoba and was in such a form as to take many hours to analyze (as summaries of most data did not exist). Because of this, many Waterfowl Important Sites are cited as a personal communication with little supporting data. Few extensive surveys were ever conducted in this Province after 1960.

Criteria for the inclusion of waterfowl staging and moulting sites as Important Sites were modeled after Ealey (1986) as follows:

- any single count of 1,000 or more geese, or 2,000 or more ducks, or a few hundred swans.

- Data from CWS (1979), Adams (1983), and Rakowski (1985) were included as Important Sites even though no information on bird numbers was available from these sources.

- Information from sources with available waterfowl count numbers were included as Important Sites provided time permitted the analysis of such data.

- A sites was included when a reliable source indicated the site was important for breeding, moulting, or staging even though no supporting data was available.

Mapping Uncommon Indicator Species Sites and Important Sites

All Uncommon Indicator Species Sites were mapped on 1:250,000 N.T.S. topographic maps for Manitoba. Each site was numbered along with the symbol for the species group (see Appendix 6) and a standard four letter species abbreviation. This abbreviation depended on the number of words in the species common name. For one word names the first four letters were used. For two word names the first two letters in each word were used. For three word names the first letter of the first two

words was used in combination with the first two letters of the third word.

Outlines for water bodies or terrestrial areas that satisfied the criteria above for Important Sites were mapped in the same fashion as Uncommon Indicator Species Sites. Each Important Site was numbered, the key species groups, the reliability code of the information source, and the four letter abbreviation for species using the important site were marked on the maps.

Where a nest site or observation occurred without a pinpointed location, two conventions were used: (1) Lines extending out from the species symbol show the area within which the sighting is expected to lie. (2) A symbol (see Appendix 6) is used to denote a sighting rather than a nest site. Baird's Sparrow and Burrowing Owl sightings were mapped as if they were nest sites even though in many cases no nest was found. This was done because of the large number of sightings to be mapped and the high probability that a nest did exist. Reliability Codes were put down once using the highest value present from the group of sightings.

Some sightings where the exact location was not known - though it was known to have occurred somewhere within the area - were included in the report under Important Sites without a legal description. These sightings were not mapped, but are mentioned in the text of the report and lie within the area of that important site. In some cases a large Important Site was not mapped because the area was too large in size and no specific information was available. This was especially true for data gathered from Adams (1983) where large areas were included in the text but were not mapped.

Originals of these maps are on file with the Canadian Wildlife Service, Prairie Migratory Bird Research Center, Saskatoon, and a reduced copy of each map accompanies this report (see Appendices 7 and 8).

FUTURE WORK

As Ealey (1986) stated, a review of the map site information in this completed map series should be attempted to establish the current status of Important Sites and nest references, particularly for data gathered prior to 1975.

One game species, Sharp-tailed Grouse, has lek sites that are traditional, vulnerable to disturbance and essential sites for breeding. These sites could be considered significant sites

for mapping. Data are available but incomplete and in such a form that time did not permit their analysis. Murray Gillespie, Richard Baydack, Bob Jones, and Bob Burger should be consulted to gain access to this information (see Appendix 3).

Many waterbodies identified as important sites in this report have no supporting data. The information gathered mostly from the Manitoba Department of Natural Resources, The Canadian Wildlife Service and Ducks Unlimited could be supported by sifting through and analyzing a lot of available data at area offices to identify why these waterbodies were classified as important. It might be found that breeding, moulting, and staging numbers may not meet the criteria indicated earlier, thus requiring the removal or addition of some sites from the maps.

Several naturalists and area office personnel of Government agencies and Ducks Unlimited, who were unable to provide any information, should be consulted to include their contributions if a mapping update is planned.

The Manitoba Avian Research Committees' Rare and Uncommon Birds Volume (Koes 1980) was reviewed, but only information from the 1986 updated volume (Koes 1986) was included unless it was a nest site. The remainder of this extensive volume should be included where information on exact locations can be gathered.

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Appendix 1.

TERMS OF REFERENCE

TITLE:

Mapping survey of Migratory Bird Breeding and Staging Sites in Manitoba

STATEMENT OF WORK:

1. Compile, plot and tabulate data on site records, of bird distribution and abundance, and to determine breeding and staging status of nongame migratory birds in Manitoba using data sources such as "American Birds", migratory bird records, breeding bird survey data, regional bird lists and other publications.
 2. Plot site information from quantitative data on waterfowl staging and moulting areas in Manitoba derived from surveys by Ducks Unlimited, Canadian Wildlife Service, and Manitoba Wildlife Branch.
- A. Plotting Nongame Bird Site Records
1. Assemble accessible migratory bird survey data from visits to regional offices of Canadian Wildlife Service, Manitoba Wildlife Branch, Ducks Unlimited, universities, the provincial museum, consultants and local bird authorities.
 2. Prepare annotated legends on sites indicated by high species diversity, high species counts, occurrence of rare, threatened and endangered species, occurrence of nesting colonies and raptor nest sites from atlas records, regional lists, breeding bird survey summaries, nest records, files and reports. Record status as breeding or staging function, flock sizes, frequency of occurrence, location, dates of observations and authority.
 3. Plot site locations of migratory bird observations onto 1:250,000 NTS map sheets and annotate on maps: site number, species groups and data confidence level (based upon data reliability and dates). Cross reference site locations to descriptive legends.
- B. Mapping Waterfowl Staging and Moulting Sites
1. Obtain waterfowl survey data (since 1965) from files and reports of Ducks Unlimited, Canadian Wildlife Service, Manitoba Wildlife Branch and consultants.
 2. Compile significant waterfowl staging and moulting site data as identified by reported flock sizes or maximum counts in a specified year of 1000 or more flocked geese, ducks, swans or cranes.
 3. Plot waterfowl staging or moulting sites as delineated by lakes, wetlands, portions of lake shorelines or streams onto 1:250,000 NTS map sheets, recording site number, species group and confidence indicator.
 4. Prepare attached descriptive legend cross-referenced to map sheets showing species or species groups, counts, site function, locations, dates and reference sources.
 5. Enter and store legend data in computer retrievable format using PMBRC computer facilities provided free of charge, or on a system compatible with CWS computers.

Presentation of Results

The information is to be presented in the form of (1) one set of 1:250,000 maps showing combined sites plotted for nongame birds and waterfowl, (2) four reduction (50%) copies of each set of 1:250,000 maps, (3) four copies of report or annotated list documenting migratory bird nongame and waterfowl use, and (4) annotated list files stored on computer tape or disk.

Appendix 2.

SITE FILES FOR MAP SHEETS

Map Sheet 52E. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 52E Beauchemin Lake. 32-11-16E. Two bald eagle chicks were observed on a nest in a live jack pine at the southeast end of Beauchemin Lake during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
Bald Eagle 52E Beauchemin Lake. 49°57'N 95°23'W. 2 chicks in live J. Pine on mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 2 Great Blue Heron 52E Brereton Lake. 49°52'N 95°33'W. 30 nests estimated, Koonz and Rakowski (1985).
- 3 Goshawk 52E Hadashville (10mi. SW on PR 506). 34-9-12E. 2 eggs in nest, 15 April, 1972. Prairie Nest Records Scheme Cards.
- 4 Bald Eagle 52E Indian Bay. 49°37'N 95°09'W. On nest in live Spruce on Island. May 14/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984. (ONT).
- 5 Bald Eagle 52E Moose Lake. 49°13'N 95°18'W. On nest in dead poplar on mainland. May 14/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
Bald Eagle 52E Moose Lake, Northwest Angle Provincial Park. 3-16E. 1 Young in nest on 1 July, 1985 found by R. Parsons. Nest site not accurately given. Prairie Nest Records Scheme Cards.
- 6 Bald Eagle 52E Mud Turtle Lake. 10-11-14E. Two bald eagle chicks were observed on a nest in a dead poplar at the west end of Mud Turtle lake during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
- 7 Bald Eagle 52E Mud Turtle Lake. 49°54'N 95°35'W. 2 chicks in dead poplar on mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 8 Herring Gull 52E Rock Lake. 49°47'N 95°27'W. 50 nests estimated, Koonz and Rakowski (1985).
- 9 Great Blue Heron 52E South Cross Lake. 49°48'N 95°15'W. 3 nests estimated, Koonz and Rakowski (1985).
- 10 Bald eagle 52E West Hawk Lake. 23-9-17E. A bald eagle chick was observed on a nest in a live spruce at the southeast end of West Hawk Lake during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
Bald Eagle 52E West Hawk Lake. 49°46'N 95°10'W. 1 chick in Live Spruce on Mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

- 11 Red-Bellied Woodpecker. 52E Whitemouth. 36-11-11E. One adult female and two fledged young observed on 28 June 1952 by V. B. Latta and Orland Gibson. A. G. Lawrence "chickadee Notes" #1624 WPG. Free Press, 4 July, 1952. Map location not exact.
- 12 Bald Eagle 52E Whiteshell River. 49°47'N 95°^{22'}~~25'~~W. 1 chick in dead poplar on mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 13 Bald Eagle 52E Whiteshell River. 34-11-16E. A bald eagle chick was observed on a nest in a dead poplar on the Whiteshell River off Granite Lake during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).

Map Sheet 52E Important Sites

1 Alf Hole Goose Sanctuary

- DD Ducks and Geese 52E Alf Hole Goose Sanctuary (Rennie). 20-10-15E. RC3 Breeding - Giant Canadas in low densities. Staging (Fall)-2000-3000 mallards in the surrounding lakes. Moulting - Local production. Ducks mostly scaup breeding in low densities. (Gillespie and Whaley Pers. Comm.).
- DD Waterfowl 52E Alf Hole Goose Sanctuary. 17, 18, 19, 20-10-15E. RC4 The Alf Hole Goose Sanctuary supports significant numbers of breeding Canada geese, as well as numerous species of ducks. It is an important staging area in fall, attracting a great variety of migrating birds. The interpretive centre developed adjacent to PTH 44 and associated walking trails makes the sanctuary an important wildlife viewing area. Water levels in the sanctuary are controlled by a Ducks Unlimited dam on the Rennie River, which creates the goose pond in front of the interpretive centre. Environmental Sensitivity Moderate. Suggett (1984).

2 Brant Lake

- DD Waterfowl 52E Brant Lake. 1, 2-12-16E. RC4 Brant Lake attracts staging waterfowl in fall, although production of waterfowl on the lake is believed to be low. Environmental Sensitivity Moderate. Suggett (1984).

3 Falcon Lake

- 14 CN Colonial Nesters 52E Falcon Lake. 49°42'N 95°17'W. RC3 10 HEGU. 25 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts south of 54°. Koonz and Rakowski (1985).
- DD Waterfowl 52E Falcon River. 23, 24-8-16E. RC4 Waterfowl production along the Falcon River is significant compared to other areas of the park. Although the area is not an important staging area, food and nesting materials are relatively abundant, supporting a wide variety of waterfowl species. Environmental Sensitivity Moderate. Suggett (1984).

- 15 RA Bald Eagle 52E Falcon Lake. 35-8-17E. RC3 A bald eagle was observed on a nest in a live white pine on an island at the southeast end of Falcon Lake during a mid-May 1984 aerial survey. Environmental Sensitivity High. Suggett (1984).
- 16 RA Bald Eagle 52E Falcon Lake. 49°42'N 95°12'W. RC3 On nest in live W. Pine on Island. May 14/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 17 WA Great Blue Heron 52E Falcon Lake, (south of). 49°42'N 95°14'W. RC3 50 nests estimated, Koonz and Rakowski (1985).
Heron 52E Falcon Lake. 33-8-17E. RC3 The largest heron nesting colony in the Whiteshell is located south of the ski resort road, running along the south side of Falcon Lake. There are approximately 45 nests which are active in the colony on an annual basis. Environmental Sensitivity High. Suggett (1984).

4 Mallard Lake

- DD Waterfowl 52E Mallard Lake. 2, 10-12-16E. RC3 Waterfowl production and staging on Mallard Lake is significant compared to other lakes in the park. Food and nesting materials are relatively abundant, supporting a great variety of migratory birds. Environmental Sensitivity Moderate. Suggett (1984).
- 18 WA Great Blue Heron 52E Mallard Lake (East of). 49°58'N 95°19'W. RC3 70 nests estimated, Koonz and Rakowski (1985).

5 Marchand Lake, Rennie River Area

- DD Waterfowl 52E Marchand Lake. 26, 27, 34, 35 -11-14E. RC4 Marchand Lake, like nearby War Eagle Lake does not support a large concentration of breeding waterfowl, but it is a significant staging area in fall. Environmental Sensitivity Moderate. Suggett (1984).
- DA Duck 52E Rennie River. 29-11-15E. RC4 Wood ducks and mergansers nest in dead tree trunks along the Rennie River, particularly in the marsh and beaver pond complex east of Brereton Lake. Environmental Sensitivity Moderate. Suggett (1984).
- DD Waterfowl 52E Rice Lake. 31-11-15E. RC4 Rice Lake supports a significant number of breeding waterfowl as well as staging waterfowl in fall. Environmental Sensitivity Moderate. Suggett (1984).

6 War Eagle Lake

DD Waterfowl 52E War Eagle Lake. 11-14E. RC4 War Eagle Lake supports only a low concentration of breeding waterfowl but it does support significant numbers of staging waterfowl. Its relative isolation results in much less hunting pressure than on the more accessible lakes. Environmental Sensitivity Moderate. Suggett (1984).

7 Whitemouth Lake

DD Ducks 52E Whitemouth Lake. 3-13,14E. RC2 Important duck staging side. Adams (1983)

Map Sheet 52L. Map References to Uncommon Indicator Birds

- 1 Great Blue Heron 52L Bedford Lake. 50°08'N 95°23'W. 10 nests estimated, Koonz and Rakowski (1985).
Heron 52L Bedford Lake. 32-13-16E. A small nesting colony of herons is located on the northwest side of Bedford lake. Environmental Sensitivity High. Suggett (1984).
- 2 Bald Eagle 52L Jessica Lake. 50°02'N 95°29'W. Bird on nest in dead poplar on mainland. May 14/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
Bald Eagle 52L Jessica Lake. 22-12-15E. Bald eagles were observed on a nest in a dead poplar on the east shore of Jessica lake during aerial surveys in mid-May 1984. Environmental Sensitivity High. Suggett (1984).
- 3 Great Blue Heron 52L Lac Du Bonnet. 50°25'N 95°49'W. 40 nests estimated, Koonz and Rakowski (1985).
- 4 Bald Eagle 52L Little Echo Lake. 50°15'N 95°15'W. 2 chicks in dead poplar on Island. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
Bald Eagle 52L Little Echo Lake. 18-15-17E. Two bald eagle chicks were observed on a nest in a dead poplar on an island in Little Echo Lake during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
- 5 Bald Eagle 52L Manigotagan River. 50°57'N 95°43'W. 2 chicks on dead poplar on mainland. June 26/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 6 Herring Gull 52L McArthur Falls (South of). 50°24'N 95°59'W. 50 nests estimated, Koonz and Rakowski (1985).
- 7 Great Blue Heron 52L Picket Creek. 50°08'N 95°41'W. 10 nests estimated, Koonz and Rakowski (1985).
- 8 Whooping Crane 52L Pinawa. 50°09'N 95°55'W. 4 birds seen in late April, 1975, Boothroyd (1980).
- 9 Whooping Crane 52L Point du Bois. 50°13'N 95°34'W. 7 birds seen on May 3, 1977, Boothroyd (1980).
- 10 Bald Eagle 52L Shoe Lake. 50°40'N 95°29'W. On nest in dead poplar on mainland. May 23/84. 2 chicks, July/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 11 Herring Gull 52L Wendigo. 50°22'N 95°52'W. 25 nests estimated, Koonz and Rakowski (1985).

- 12 Bald Eagle 52L Winnipeg River. 15-16-15E. A bald eagle chick was observed on a nest in a dead poplar on an island in the Winnipeg River during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
Bald Eagle 52L Winnipeg River. 50°22'N 95°28'W. 1 chick in dead poplar on island. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Res., 1984.
- 13 Bald Eagle 52L Winnipeg River. 50°23'N 95°21'W. 2 chicks in live poplar on mainland. June 29/84
- 14 Bald Eagle 52L Winnipeg River. 29-16-16E. Two bald eagle chicks were observed on a nest in a live poplar on the north shore of the Winnipeg River during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
- 15 Bald Eagle 52L Eagle Nest Lake. 50°22'N 95°14'W. 1 chick in dead poplar on mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 16 Bald Eagle 52L Eagle Nest Lake. 50°15'N 95°11'W. 2 chicks in live poplar on mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 17 Bald Eagle 52L Eagle Nest Lake. 50°18'N 95°15'W. 1 chick in dead Jack Pine on Mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
Bald Eagle 52L Eaglenest Lake (South End). 15-15-17E. Two bald eagle chicks were observed on a nest in a live poplar near the southeast end of Eaglenest Lake during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
- 18 Bald Eagle 52L Eaglenest Lake (West Side). 30-15-17E. One bald eagle chick was observed on a nest in a dead jack pine on the west shore of Eaglenest lake during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
- 19 Bald Eagle 52L Eaglenest Lake (North End). 17-16-17E. A bald eagle chick was observed on a nest in a dead poplar near the northwest end of Eaglenest lake during surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
- 20 Mockingbird 52L Pinawa. 22-16-12E. Nest found containing young birds. Adults observed feeding them, (H.Copland). Garner (1974) Wild Wings. WPG. Tribune, 7 September. This article by Gardner states that several birds are usually seen every year in the spring and summer in the southern portion of the province.
- 21 Goshawk 52L Pinawa (3km, NE). 15-14-12E. 1 Downy young visible in nest on 8 July, 1979. Prairie Nest Records Scheme Cards.

- 22 Osprey 52L Pinawa (2.5.mi NNE of Pinawa). 24-14-12W. Possible nest, seen by P. Taylor, June 26/77. Prairie Nest Records Scheme Cards.
- 23 Sharp-Shinned Hawk 52L Pinawa. 15-14-12E. 5 eggs in nest. Early June. Prairie Nest Records Scheme Cards.
- 24 Great Blue Heron 52L Pinawa (5km. NE of). 50°13'N 95°49'W. 12 nests estimated, Koonz and Rakowski (1985).
Great Blue Heron 52L Pinawa. 14-12W. RC3 Colony, June 26/77, seen by P. Taylor. Site not accurate. Prairie Nest Records Scheme Cards.
- 25 Colonial Nesters 52L Quesnel Lake (Caribou Lake). 50°56'N 95°38'W. COTE colony. Rusch (1972).
Common Tern 52L Quesnel Lake, (Caribou Lake). 50°56'N 95°38'W. Number of nests in colony not known, Rakowski and Koonz (1982).
- 26 Osprey 52L Whiteshell Lake. 28-13-16E. An osprey nest is located at the northern tip of Whiteshell lake. It is believed to have been active during the 1982 breeding season, although ground checks were not undertaken. Environmental Sensitivity High. Suggett (1984).
- 27 Herring Gull 52L Whiteshell Lake, Gull Island. 21-13-16E. A nesting colony of herring gulls is located on an island in the north end of Whiteshell lake. Environmental Sensitivity High. Suggett (1984).
- Black Scoter 52L Pinawa. Exact location not known, not mapped. 1 female or immature 5 November 1977. (Koes, R. Update of Maitoba Rare Birds Volume, 1985).
- Green-backed Heron 52L Pinawa. Exact location not known, not mapped. 1 adult seen by m.ob. 28 May 1977. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

Map Sheet 52L Important Sites

1 Crowduck Lake

- 28 CN Colonial Nesters 52L Crowduck Lake. 50°07'N 95°12'W. RC3
14 HEGU, 10 CATE, 50 COTE. Nest estimates for multiple
species colony obtained by Aerial survey and/or ground
counts South of 54°N. Koonz and Rakowski (1985).
- 29 CN Colonial Nesters 52L Crowduck Lake. 50°04'N 95°16'W. RC3
10 CATE. 25 COTE. Nest estimates for multiple species
colony obtained by Aerial survey and/or ground counts
South of 54°N. Koonz and Rakowski (1985).
- DD Waterfowl 52L Crowduck Lake. 14, 15, 22, 23-13-17E. RC4
The southeastern bay of Crowduck Lake supports a few
scattered pairs of breeding waterfowl, but is an important
waterfowl staging area in fall. As with most of the
staging areas in the park, waterfowl are attracted by wild
rice once it has ripened. Environmental Sensitivity
Moderate. Suggett (1984).
- 30 GR Cormorant 52L Crowduck Lake. 29-13-17E. RC4 A nesting
colony of cormorants is located on an island in Crowduck
lake. Environmental Sensitivity High. Suggett (1984).
- 31 RA Bald Eagle 52L Crowduck Lake. 50°09'N 95°17'W. RC3 2
chicks in dead poplar on mainland. June 29/84. Bald Eagle
nest survey by W. Koonz, Manitoba Dept. Nat. Resources,
1984.
- 32 RA Bald Eagle 52L Crowduck Lake (South End). 17-13-17E. RC3
A bald eagle was observed on a nest in a live spruce near
the south end of Crowduck Lake during aerial surveys in
mid-May 1984. Environmental Sensitivity High. Suggett
(1984).
- 33 RA Bald Eagle 52L Crowduck Lake (West Side). 2-14-16E. RC3
Two bald eagle chicks were observed on a nest in a dead
poplar on the east shore of Crowduck Lake during aerial
surveys in late June 1984. Environmental Sensitivity
High. Suggett (1984).
- 34 RA Bald Eagle 52L Crowduck Lake. 50°09'N 95°15'W. RC3 On
nest in live Spruce on Mainland. May 15/84. Bald Eagle
nest survey by W. Koonz, Manitoba Dept. Nat. Resources,
1984.

No number 35 is present.

- 36 SB Herring Gull 52L Crowduck Lake. 50°08'N 95°15'W. RC3
10 nests estimated, Koonz Rakowski (1985).

2 George Lake

- GR Loon 52L George Lake. 14, 15-15E. RC3 George Lake supports an unusually high concentration of breeding common loons. Upwards of 10 pairs each year raise young on this relatively isolated lake. The area also serves as a concentration point for staging loons in late summer and fall. Flocks of 40 to 50 birds have been observed feeding together in the northend of the lake. It is unknown whether these concentrations are made up of young birds which did not breed in the first year, failed breeders, or simply post breeding aggregations. Environmental Sensitivity High. Suggett (1984).
- 37 RA Bald Eagle 52L George Lake (South end). 17-14-15E. RC3 A bald eagle nest is located along Tie Creek at the south end of George Lake. An adult bald eagle was observed in this vicinity in 1982, but it is not known whether it was actively nesting. Environmental Sensitivity High. Suggett (1984). reference: A Wildlife and Ecological Survey of George Lake. Astwood, J.W. 1978.
- 38 RA Bald Eagle 52L George Lake (West Side). 5-15-15E. RC3 Two bald eagle chicks were observed on a nest in a dead poplar on the east shore of George Lake during aerial surveys in late June 1984. Environmental Sensitivity High. Suggett (1984).
- 39 RA Bald Eagle 52L George Lake (North end). 15-15-15E. RC3 Bald eagle nest occupied at least since 1978, still in use in 1982. The nest is visible from the shoreline, constructed on top of a tall white spruce. Environmental sensitivity High. Suggett (1984).
- 40 RA Bald Eagle 52L George Lake. 50°13'N 95°29'W. RC3 2 chicks in dead poplar on mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Res., 1984.
- 41 RA Bald Eagle 52L George Lake (West Side). 32-14-15E. RC3 A bald eagle nest is located on the west side of George lake. A mature bald eagle was observed in the vicinity in 1982, but it is not known whether the bird was nesting. Environmental Sensitivity High. Suggett (1984). reference: A Wildlife and Ecological Survey of George Lake. Astwood, J.W. 1978.
- 42 RA Osprey 52L George Lake (South end). 17-14-15E. RC3 An osprey nest is located in the south end of George Lake. An adult was observed in the vicinity in 1982, and believed to be nesting here. Environmental Sensitivity High. Suggett (1984). Reference: A Wildlife and Ecological Survey of George Lake. Astwood, J.W. 1978.

- 43 RA Osprey 52L George Lake (North end). 28-15-15E. RC3 Ospreys have been observed nesting on the cliffs at the North end of George Lake. No ospreys were observed during ground checks in July 1982, but it is possible that the site will be used in future. Environmental Sensitivity High. Suggett (1984). reference: A Wildlife and Ecological Survey of George Lake. Astwood, J.W., 1978.
- 44 SB Herring Gull 52L George Lake. 50°17'N 95°28'W. RC3 50 nests estimated, Koonz and Rakowski (1985).
 SB Herring Gull 52L George Lake, Gull Island. 22-15-15E. RC4 A nesting colony of Herring Gulls is located on an island in the northend of George lake. Cormorants are occasionally seen on the island but it is unlikely that they breed there. Environmental Sensitivity high. Suggett (1984).
- 45 TC Pileated Woodpecker 52L George Lake (SW end). 29-14-15E. RC3 A pileated woodpecker nest is located south of the entrance to a wild rice filled bay on the west side of George Lake. Environmental Sensitivity High. Suggett (1984). Reference: A Wildlife and Ecological Survey of George Lake. Astwood, J.W. 1978.
- 46 TC Pileated Woodpecker 52L George Lake (East side). 9-15-15E. RC3 A pileated woodpecker nest is located north of the Creek which drains Forbes Lake into George Lake. Environmental Sensitivity High. Suggett (1984). Reference: A Wildlife and Ecological Survey of George Lake. Astwood, J.W. 1978.

3 Heart Lake

- DD Waterfowl 52L Heart Lake. 30-13-14E. RC4 Heart Lake is an important waterfowl staging area, with some limited local production. Environmental Sensitivity Moderate. Suggett (1984).
- 47 RA Bald Eagle 52L Heart Lake. 50°08'N 95°34'W. RC3 On nest in dead poplar on mainland. May 14/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
 RA Bald Eagle 52L Heart Lake. 33-13-14E. RC3 A bald eagle was observed on a nest in a dead poplar on the northeast shore of heart Lake during aerial surveys in mid-May 1984. Environmental Sensitivity. Suggett (1984).
 RA Bald Eagle 52L Heart Lake. 29-13-14E. RC4 Bald eagles gather near Heart Lake each spring and fall during migration. Environmental Sensitivity High. Suggett (1984).

4 Little Whiteshell Lake

- DD Waterfowl 52L Little Whiteshell Lake. 27, 28, 33, 34-12-16E. RC4 The wild rice in Little Whiteshell Lake attracts significant number of migrating waterfowl in fall. It is a popular hunting spot primarily for lesser scaup. Environmental Sensitivity Moderate. Suggett (1984).

5 Lone Island Lake

- DD Waterfowl 52L Lone Island Lake. 12-16E. RC4 Lone Island Lake supports a number of breeding waterfowl, as well as a significant number of staging waterfowl in fall. The wild rice attracts coot, mallards, goldeneye and lesser scaup. The latter is the most heavily hunted species due to its relative abundance in migration. Environmental Sensitivity Moderate. Suggett (1984).

6 Middleton Lake

- 48 DD Waterfowl 52L Middleton Lake. 27-14-15E. RC4 Middleton lake is a small, isolated lake located south east of George Lake. During the hunting season it serves as a resting area for waterfowl which have moved off the heavily hunted areas in the park. Environmental Sensitivity Moderate. Suggett (1984).

Number 49 is included in Important Site 13.

7 Natalie Lake

- DA Duck 52L Natalie Lake. 20-13-12E. RC4 South of Natalie Lake is a marsh and beaver pond complex which is used by nesting wood ducks. Environmental Sensitivity Moderate. Suggett (1984).
- RA Peregrine Falcon 52L Natalie Lake. 13-12E, location not known, not mapped. RC3 Adults seen on 18-19 May, 1979, 20 April, 13 May, 1980, 20 Sept., and 10 Oct., 1981. These were low water years 1979-1981 when migrating waterfowl and shorebirds were plentiful, Taylor (1983).
- WA Black Scoter 52L Natalie Lake. Exact location not known, not mapped. RC3 4 birds 21 October 1984. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

8 Pointe du Bois Game Bird Refuge

- DD Waterfowl 52L Pointe du Bois Game Bird Refuge. 3,10-15-14E. RC4 The Pointe du Bois Game Bird Refuge is not a significant waterfowl production area; however, it is used as a staging area in the fall. Environmental Sensitivity Moderate. Suggett (1984).

9 Sutcliffe Lake

- DD Waterfowl 52L Sutcliffe Lake. 6-13-17E. RC4 Sutcliffe Lake, although it does not support a significant breeding population of waterfowl, is an important staging area in fall. Less accessible than other staging areas during the hunting season, Sutcliffe offers a resting area for waterfowl which come here to escape heavier hunting pressure elsewhere in the park. Environmental Sensitivity Moderate. Suggett (1984).

10 Swamp Lake

- DD Waterfowl 52L Swamp Lake. 9, 10, 15, 16-13-15E. RC4 Swamp Lake's wild rice beds attract staging waterfowl in fall. The relative isolation of the lake offers waterfowl a safer resting area than the more heavily hunted lakes which are more accessible. Environmental Sensitivity Moderate. Suggett (1984).

11 Big Whiteshell Lake

- DD Waterfowl 52L Whiteshell Lake. 11, 12-13-16E. RC4 The eastern bay of Big Whitieshell Lake along with nearby Sutcliffe Lake are significant staging areas for waterfowl in fall, although local production of waterfowl is not that great. Environmental Sensitivity Moderat. Suggett (1984).
- 51 RA Bald Eagle 52L Whiteshell Lake. 50°04'N 95°17'W. RC3 2 chicks in live poplar on mainland. June 29/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- RA Bald Eagle 52L Big Whiteshell Lake. 12-13-16E. A bald eagle nest is located at the south end of Big Whiteshell lake. It is believed to have been active during the 1982 breeding season, although ground checks were not undertaken. Two chicks were seen in a nest on a live poplar during late June 1984 aerial surveys. Environmental Sensitivity High. Suggett (1984).

12 Whiteshell Lake, Post Island

- 50 RA Turkey Vulture 52L Post Island. 15-13-16E. RC4 Turkey vulture aggragations on Post Island are believed to be the largest concentration of this species in Canada. Most birds are present only during spring and fall migration, but a few pairs remain on the island to breed. Post island is also a loafing area for common terns and several species of gulls, although is is not known whether any of these birds actually use the island for nesting. Environmental Sensitivity High. Suggett (1984).

13 Winnipeg River, Point Du Bois

- 49 RA Bald Eagle 52L Pointe du Bois. 6-16-15E. RC3 A bald eagle constructed a new nest in the spring of 1982 in a mature poplar. The nesting site is located 10 meters from shore in the forebay of the Pointe du Bois hydro dam. Environmental Sensitivity High. Suggett (1984).
- GR Common Loon 52L Winnipeg River. 16-14, 15, 16, 17E. RC3 The Winnipeg River above the Pointe du Bois dam supports a high concentration of nesting common loons. Environmental Sensitivity High. Suggett (1984).

Map Sheet 52M. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 52M Atik River. 51°40'N 95°34'W. 2 chicks in dead J. Pine on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 2 American Woodcock 52M Bissett. 8-24-13E. Flushed female on 1 June 1984 about 100yds (91m) off P.R. 304 on Quesnel Lake road. 3 newly hatched chicks left the nest seen by B. Koonz. Nero (1986).
- 3 Bald Eagle 52M Bushey Lake. 51°18'N 95°16'W. 1+ chick in live poplar on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 4 Bald Eagle 52M Cavanagh Lake (west of). 51°51'N 95°13'W. 2 chicks in dead birch on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 5 Great Blue Heron 52M Clayton Lake. 51°41'N 95°10'W. 20 nests estimated, Koonz and Rakowski (1985).
- 6 Bald Eagle 52M Dog Skin Lake. 51°43'N 95°15'W. 1 chick in dead Spruce on mainland. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 7 Bald Eagle 52M Family Lake. 51°49'N 95°29'W. 2 chicks in live J. Pine on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 8 Bald Eagle 52M Family Lake. 51°50'N 95°26'W. 1+ chick in dead spruce on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 9 Bald Eagle 52M Gammon River. 51°10'N 95°14'W. Birds sat tight on dead poplar on mainland. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 10 Bonaparte's Gull 52M Kapoakeekekak Lake. 51°27'N 95°58'W. Nest located on peninsula of lake. Aerial survey done May & June 1983-1985 while looking for Bald Eagle nests. No sites visited on the ground but presence of adults which did not depart at the approach of low-flying aircraft suggests the probability of breeding birds, Koonz (1986).
- 11 Bald Eagle 52M Leyond River Lake. 51°44'N 95°32'W. Sat tight in live Spruce on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 12 Bald Eagle 52M Obukowin Lake. 51°05'N 95°10'W. 2 chicks in live poplar on mainland. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

- 13 Osprey 52M Obukowin Lake. 32-24-17E. Two nest sites on this lake one center of west side of lake, the second between Wallace and Siderock Lake, seen by J. Dubois May 30/81. Prairie Nest Records Scheme Cards.
- 14 Bald Eagle 52M Pigeon River. 51°51'N 95°40'W. 2 chicks in dead J. Pine on mainland. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 15 Bald Eagle 52M Sasaginnigak Lake. 51°36'N 95°36'W. 2 chicks in live Spruce on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 16 Great Blue Heron 52M Vickers Lake. 51°51'N 95°55'W. 8 nests estimated, Koonz and Rakowski (1985).
- 17 Bald Eagle 52M Viking Lake. 51°53'N 95°47'W. 1+ chick in dead Spruce on island. June 12/84.
- 18 Cattle Egret 52M Bissett. Exact location not known. One bird observed by M. Walker 6-9 June 1981, photo taken (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

Map Sheet 53D. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 53D Apisko Lake. 52°31'N 95°24'W. 2 chicks in dead birch on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 2 Great Blue Heron 53D Family Lake. 52°02'N 95°27'W. 25 nests estimated, Koonz and Rakowski (1985).
- 3 Bald Eagle 53D Lewis Lake. 52°33'N 95°45'W. 2 chicks in live Spruce on mainland. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 4 Great Blue Heron 53D Lewis Lake. 52°32'N 95°44'W. 23 nests estimated, Koonz and Rakowski (1985).
- 5 Bald Eagle 53D Moar Lake. 52°01'N 95°11'W. 2 chicks in live spruce on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 6 Bonaparte's Gull 53D Morfee Lake,. 52°27'N 95°56'W. Colony located on a narrow peninsula. Aerial survey done May & June 1983 - 1985 while looking for Bald Eagle nests. No sites visited on the ground but presence of adults which did not depart at approach of low flying aircraft suggests the probability of breeding birds, Koonz (1986).

Map Sheet 53E. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 53E Knight Lake. 53°42'N 95°27'W. Active nest in live Spruce on island, Koonz (1987).
- 2 Bald Eagle 53E Stevenson Lake. 53°55'N 95°38'W. Active nest in live Spruce on island, Koonz (1987).
- 3 Bald Eagle 53E Island Lake. 53°46'N 94°40'W. Inactive nest in dead Aspen on island, Koonz (1987).
- 4 Bald Eagle 53E Bigstone Lake. 53°42'N 94°39'W. Inactive nest in live Spruce on island, Koonz (1987).
- 5 Bald Eagle 53E Cochrane Bay. 53°56'N 94°37'W. Active nest in dead Birch on island, Koonz (1987).
- 6 Bald Eagle 53E Island Lake. 53°39'N 94°46'W. Active nest in live Spruce on island, Koonz (1987).
- 7 Bald Eagle 53E Island Lake. 53°55'N 95°13'W. Active nest in live Aspen on mainland, Koonz (1987).
- 8 Bald Eagle 53E Island Lake. 53°54'N 95°54'W. Active nest in dead Spruce on island, Koonz (1987).
- 9 Bald Eagle 53E Island Lake. 53°51'N 94°21'W. Active nest in live Spruce on mainland, Koonz (1987).
- 10 Bald Eagle 53E ^{Bigstone} ~~Island~~ Lake. 53°41'N 95°43'W. Active nest in live Spruce on island, Koonz (1987).
- 11 Golden Eagle 53E Island Lake. 53°48'N 94°03'W. Adult flushed from nest. Two adults in area, 24 July, 1982. East end of Island lake, 75 yards from shore. Prairie Nest Records Scheme Cards.
- 12 Osprey 53E Island Lake. 53°43'N 94°08'W. Nest in dead Spruce on mainland, Koonz (1987).
- 13 Whooping Crane 53E Island Lake. 53°42'N 94°40'W. 5 birds seen in late May, 1974, Boothroyd (1980).
- 14 Osprey 53E Island Lake. 53°51'N 94°05'W. Nest found on 19 June, 1982 by A. Wilson. Prairie Nest Records Scheme Cards.

Map Sheet 53K. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 53K ^{Sharpe Lake} ~~Stull Lake~~. 54°23'N 93°42'W. Inactive nest in live Spruce on mainland, Koonz (1987).
- 2 Bald Eagle 53K ^{Richardson Lake} ~~Stull Lake~~. 54°19'N 93°01'W. Active nest in live Spruce on island, Koonz (1987).
- 3 Bald Eagle 53K ^{Sharpe Lake} ~~Stull Lake~~. 54°27'N 93°29'W. Active nest in live Spruce on island, Koonz (1987).
- 4 Bald Eagle 53K ^{Red Sucker River} ~~Stull Lake~~. 54°31'N 93°25'W. Inactive nest in live Spruce on island, Koonz (1987).
- 5 Bald Eagle 53K ^{Kistigan} ~~Stull Lake~~. 54°36'N 92°41'W. Inactive nest in live Spruce on mainland, Koonz (1987).
- 6 Bald Eagle 53K ^{Red Sucker} ~~Stull Lake~~. 54°07'N 93°18'W. Inactive nest in live Aspen on mainland, Koonz (1987).
- 7 Bald Eagle 53K ^{Kistigan} ~~Stull Lake~~. 54°38'N 92°36'W. Active nest in live Spruce on island, Koonz (1987).
- 8 Bald Eagle 53K ^{Sharpe} ~~Stull Lake~~. 54°24'N 93°44'W. Active nest in dead Aspen on island, Koonz (1987).
- 9 Bald Eagle 53K ^{Weber} ~~Stull Lake~~. 54°25'N 93°55'W. Active nest in live Spruce on island, Koonz (1987).
- 10 Bald Eagle 53K ^{Edmund} ~~Stull Lake~~. 54°44'N 93°19'W. Active nest in live Spruce on island, Koonz (1987).
- 11 Bald Eagle 53K ^{River} ~~Stull Lake~~. 54°50'N 92°30'W. Active nest in live Spruce on mainland, Koonz (1987).
- 12 Bald Eagle 53K ^{River} ~~Stull Lake~~. 54°44'N 92°30'W. Inactive nest in live Spruce on mainland, Koonz (1987).
- 13 Bald Eagle 53K ^{River} ~~Stull Lake~~. 54°48'N 92°30'W. Inactive nest in dead Spruce on island, Koonz (1987).
- 14 Bald Eagle 53K ^{Kenyon} ~~Stull Lake~~. 54°49'N 93°06'W. Inactive nest in live Spruce on island, Koonz (1987).
- 15 Bald Eagle 53K ^{Kenyon} ~~Stull Lake~~. 54°51'N 93°05'W. Inactive nest in live Spruce on mainland, Koonz (1987).
- 16 Osprey 53K ^{Edmund} ~~Stull Lake~~. 54°41'N 93°21'W. Nest in live Spruce on island, Koonz (1987).
- 17 Osprey 53K ^{Sharpe} ~~Stull Lake~~. 54°20'N 93°56'W. Nest in live Spruce on mainland, Koonz (1987).

- 18 Osprey 53K ^{Kistigan} ~~Stull~~ Lake. 53°37'N 92°37'W. Nest in live Spruce on mainland, Koonz (1987).
- 19 Great Blue Heron 53K Stull River. 54°48'N 92°35'W. GBHE colony, numbers not known. McLaren and Renaud (1980).

Map Sheet 53L. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 53L Knee Lake 54°51'N 94°58'W. Active nest in live Spruce on island, Koonz (1987).
- 2 Bald Eagle 53L Goose Lake. 54°15'N 94°34'W. Active nest in live Spruce on island, Koonz (1987).
- 3 Bald Eagle 53L Knee Lake. 54°24'N 94°16'W. Active nest in live Aspen (lone tree) on island, Koonz (1987).
- 4 Bald Eagle 53L Munro Lake. 54°38'N 95°07'W. Active nest in live Spruce on island, Koonz (1987).
- 5 Bald Eagle 53L Rochon Lake. 54°14'N 94°21'W. Inactive nest in live Spruce on island, Koonz (1987).
- 6 Bald Eagle 53L Chataway Lake. 54°35'N 94°11'W. Inactive nest in live Spruce on island, Koonz (1987).
- 7 Bald Eagle 53L Gods' Lake. 54°46'N 94°26'W. Active nest in live Spruce on island, Koonz (1987).
- 8 Bald Eagle 53L Oxford lake. 54°49'N 95°47'W. Inactive nest in dead Aspen on island, Koonz (1987).
- 9 Bald Eagle 53L Oxford House. 54°32'N 95°29'W. Active nest in live Spruce on island, Koonz (1987).
- 10 Bald Eagle 53L Hopkins Lake. 54°35'N 94°19'W. Active nest in live Spruce on island, Koonz (1987).
- 11 Bald Eagle 53L Touchwood Lake. 54°28'N 94°51'W. Active nest in live Spruce on island, Koonz (1987).
- 12 Bald Eagle 53L Oxford House. 54°27'N 95°04'W. Active nest in dead Spruce on island, Koonz (1987).
- 13 Bald Eagle 53L Gods' Lake. 54°36'N 94°14'W. Active nest in live Spruce on island, Koonz, (1986).
- 14 Bald Eagle 53L Gods' Lake. 54°38'N 94°32'W. Active nest in live Spruce on island, Koonz (1987).
- 15 Bald Eagle 53L Michikinabish Lake. 54°42'N 95°22'W. Inactive nest in live Spruce on island, Koonz (1987).
- 16 Bald Eagle 53L Beaverhill Lake. 54°23'N 94°58'W. Inactive nest in live Spruce on island, Koonz (1987).
- 17 Bald Eagle 53L Laidlaw Lake. 54°35'N 95°46'W. Active nest in live Spruce on mainland, Koonz (1987).

- 18 Bald Eagle 53L Laidlaw Lake. 54°35'N 95°40'W. Active nest in live Aspen on island, Koonz (1987).
- 19 Bald Eagle 53L Windy Lake. 54°40'N 95°48'W. Inactive nest in live Aspen on island, Koonz (1987).
- 20 Bald Eagle 53L Max Lake. 54°34'N 95°54'W. Active nest in live Spruce on island, Koonz (1987).
- 21 Bald Eagle 53L Goose Lake. 54°15'N 94°38'W. Active nest in live Spruce on island, Koonz (1987).
- 22 Bald Eagle 53L Rat Lake. 54°42'N 95°26'W. Active nest in live Spruce on island, Koonz (1987).
- 23 Bald Eagle 53L Michikinabish Lake. 54°44'N 95°24'W. Active nest in live Spruce on mainland, Koonz (1987).
- 24 Bald Eagle 53L Gods' Lake. 54°22'N 94°46'W. Inactive nest in live Spruce on island, Koonz (1987).
- 25 Bald Eagle 53L Murray Lake. 54°23'N 94°23'W. Active nest in live Spruce on island, Koonz (1987).
- 26 Bald Eagle 53L Murray Lake. 54°23'N 94°23'W. Inactive nest in dead Spruce on island, Koonz (1987).
- 27 Bald Eagle 53L Gods' Lake. 54°36'N 94°17'W. Active nest in live Spruce on island, Koonz (1987).
- 28 Bald Eagle 53L Bolton Lake. 54°14'N 95°45'W. Inactive nest in live Spruce on island, Koonz (1987).
- 29 Bald Eagle 53L Beaverhill Lake. 54°18'N 94°49'W. Active nest in live Spruce on island, Koonz (1987).
- 30 Bald Eagle 53L Knee Lake. 54°51'N 94°54'W. Inactive nest in live Aspen on island, Koonz (1987).
- 31 Bald Eagle 53L Gods' Lake. 54°28'N 94°44'W. Active nest in dead Aspen on island, Koonz (1987).
- 32 Bald Eagle 53L Rat Lake. 54°43'N 95°28'W. Active nest in live Aspen on island, Koonz (1987).
- 33 Bald Eagle 53L Rat Lake. 54°41'N 95°29'W. Active nest in live Spruce on island, Koonz (1987).
- 34 Bald Eagle 53L Oxford Lake. 54°50'N 95°26'W. Inactive nest in live Spruce on island, Koonz (1987).
- 35 Bald Eagle 53L Beaverhill Lake. 54°13'N 95°03'W. Active nest in dead Aspen on island, Koonz (1987).

- 36 Bald Eagle 53L Oxford House. 54°22'N 94°35'W. Active nest in live Spruce on island, Koonz (1987).
- 37 Bald Eagle 53L Opimipegoka Lake. 54°36'N 95°58'W. Active nest in live Spruce on mainland, Koonz (1987).
- 38 Bald Eagle 53L Oxford Lake. 54°47'N 95°53'W. Active nest in live Spruce on island, Koonz (1987).
- 39 Bald Eagle 53L Oxford House. 54°33'N 95°27'W. Active nest in live Spruce on island, Koonz (1987).
- 40 Bald Eagle 53L Gods' Lake. 54°30'N 94°37'W. Active nest in live Birch on island, Koonz (1987).
- 41 Bald Eagle 53L Vermilyea Lake. 54°31'N 94°48'W. Inactive nest in live Aspen on island, Koonz (1987).
- 42 Bald Eagle 53L Munro Lake. 54°38'N 95°19'W. Active nest in live Spruce on island, Koonz (1987).
- 43 Bald Eagle 53L Boulton Lake. 54°17'N 95°47'W. Active nest in live Spruce on island, Koonz (1987).
- 44 Bald Eagle 53L Beaverhill Lake. 54°16'N 95°01'W. Active nest in live Spruce on island, Koonz (1987).
- 45 Bald Eagle 53L Gods' Lake. 54°40'N 94°23'W. Inactive nest in live Aspen on island, Koonz (1987).
- 46 Osprey 53L Knife Lake. 54°30'N 94°17'W. Nest in live Spruce on mainland, Koonz (1987).
- 47 Bald Eagle 53L Vermilyea Lake. 54°32'N 94°47'W. Active nest in live Spruce on island, Koonz (1987).

Map Sheet 53M. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 53M California Lake. 55°07'N 95°36'W. Inactive nest in live Spruce on island. Koonz (1987).
- 2 Bald Eagle 53M Knee Lake. 55°08'N 94°30'W. Inactive nest in live Spruce on island, Koonz (1987).
- 3 Bald Eagle 53M Semmens Lake. 55°01'N 94°15'W. Inactive nest in live Spruce on island, Koonz (1987).
- 4 Bald Eagle 53M Knee Lake. 55°09'N 94°27'W. Active nest in live Spruce on island, Koonz (1987).
- 5 Bald Eagle 53M Semmens Lake 55°03'N 94°11'W. Inactive nest in live Spruce on island, Koonz (1987).
- 6 Bald Eagle 53M Whitemud Lake. 55°07'N 95°11'W. Active nest in live Aspen on island, Koonz 1986).
- 7 Bald Eagle 53M Seller Lake. 55°02'N 94°31'W. Active nest in live Spruce on island, Koonz (1987).
- 8 Bald Eagle 53M Hackland Lake. 55°21'N 95°34'W. Active nest in live Spruce on island, Koonz (1987).
- 9 Bald Eagle 53M Bear Lake. 55°07'N 95°58'W. Active nest in live Spruce on island, Koonz (1987).
- 10 Bald Eagle 53M Bear Lake. 55°09'N 95°41'W. Active nest in live Spruce on island, Koonz (1987).

Map Sheet 53N. Map References to Uncommon Indicator Birds

- 1 Osprey 53N God's River. 55°52'N 92°09'W. Nest in live Aspen on island, Koonz (1987).
- 2 Osprey 53N ^{Stull}God's River. 55°02'N 92°29'W. Nest in live Spruce on mainland, Koonz (1987).
- 3 Osprey 53N God's River. 55°12'N 92°30'W. Nest in live Spruce on mainland, Koonz (1987).
- 4 Osprey 53N God's River. 55°18'N 93°15'W. Nest in live Spruce on mainland, Koonz (1987).
- 5 Osprey 53N Sucker River. 55°08'N 92°40'W. Nest in live Spruce on mainland.
- 6 Osprey 53N God's River. 55°10'N 92°30'W. Nest in Dead Spruce on mainland, Koonz (1987).
- 7 Bald Eagle 53N Red Cross Lake. 55°05'N 92°58'W. Inactive nest in live Spruce on island; Koonz (1987).
- 8 Bald Eagle 53N Sucker Lake 55°07'N 92°41'W. Active nest in live Spruce on mainland, Koonz (1987).
- 9 Bald Eagle 53N Red Cross Lake. 55°05'N 93°01'W. Inactive nest in live Spruce on island (2 nests), Koonz (1987).
- 10 Bald Eagle 53N Gods River. 55°05'N 93°06'W. Inactive nest in live Spruce on island, Koonz (1987).
- 11 Bald Eagle 53N Swamp Lake. 55°20'N 93°57'W. Inactive nest in live Spruce on island, Koonz (1987).
- 12 Bald Eagle 53N Red Cross Lake. 55°05'N 92°55'W. Active nest in live Spruce on island, Koonz (1987).
- 13 Bald Eagle 53N Gods River. 55°05'N 93°19'W. Active nest in live Aspen on island, Koonz (1987).
- 14 Bald Eagle 53N Gods River. 55°07'N 93°08'W. Active nest in live Spruce on island, Koonz (1987).
- 15 Bald Eagle 53N Gods River. 55°16'N 93°27'W. Active nest in live Aspen on mainland, Koonz (1987).
- 16 Bald Eagle 53N Hayes River. 55°21'N 93°57'W. Active nest in live Spruce on island, Koonz (1987).

Map Sheet 54C. Map References to Uncommon Indicator Birds

- 1 Whooping Crane 54C North Seal Creek. 56°49'N 92°55'W. 2 birds seen on June 22, 1974, Boothroyd (1980).
- 2 Merlin 54C Ten Shilling Creek, York Factory. 92-11E. 3 young found on 27 July, 1979 by H. Copland. Prairie Nest Records Scheme Cards.

Map Sheet 54D. Map References to Uncommon Indicator Birds

- 1 Whooping Crane 54D Gillam. 56°15'N 94°35'W. 4 birds seen on Aug. 23, 1974, Boothroyd (1980).

Map Sheet 54K. Map References to Uncommon Indicator Birds

- 1 Ruff 54K Norton Lake (south side), La Perouse Bay .
58°48'N ~~58°24'N~~ ~~94°24'W~~. Sighting of a male Ruff in nuptial plumage briefly displaying to three females on 26 June, 1983 by Reynolds and Susan Alton, Reynolds (1984).
93°35'W

Number 2 is in Important Site 1.

- 3 Ross' Goose 54K La Perouse Bay, Churchill Area. 58°40'N 93°25'W. RC2 Ross' Gander mated to Lesser Snow Goose. Nest contained four eggs which were hatched at Northright waterfowl Res. Stn., Guelph, Ent. Ryder and Cooke (1973) Location not exact.
Ross' Goose 54K La Perouse Bay, Churchill Area. 58°40'N 93°25'W. RC2 Nest contained 3 eggs, all hatched on 29 June 1972. Ryder and Cooke (1973). Location not exact.
Ross' Goose 54K La Perouse Bay, Churchill Area. 58°40'N 93°25'W. RC4 Nest contained four eggs. Abandoned 19 June 1972, following a 18 June snow Storm. Ryder and Cooke. (1973).
- 4 King Eider 54K La Perouse Bay. 58°45'N, 93°30'W. RC2 A female King Eider was found on 30 June, 1977 on a nest in a colony of Common Eiders. 5 eggs and one Common Eider egg were present. All six ducklings were hatched on 10 July, 1977, Abraham and Cooke (1979). No nesting records for King Eider's existed before this sighting in Manitoba, Jehl and Smith (1970).

Map Sheet 54K Important Sites

1 Churchill Tundra

- 2 CN Colonial Nesters 54K Churchill Tundra. 58°43'N 93°50'W.
RC3 HEGU, BOGU, ARTE, and COTE colony. Jehl and Smith
(1970).
- DD Ducks, Geese 54K Hudson's Bay Lowlands-Cape Churchill
Tundra. 58°45'N, 93°20'W. RC2 Area too extensive to
map. Important duck and goose production area, and duck
and goose staging and moulting area, Adams (1983). This
is a rather extensive area who's importance ranked 13th in
Canada with an overall score of 36.5 and a biological
score of 28.5, Rakowski (1985).

Map Sheet 54L. Map References to Uncommon Indicator Birds

1. Merlin 54L Churchill. 58°04'N 94°01'W. Nest found by G. Fox. 14 June, 1978. Prairie Nest Records Scheme Cards.
2. Hudsonian Godwit 54L Churchill (4km SE). 58°42'N 94°05'W. 4 eggs on 17 June, 1983 seen by P. Sinclair. Nest site not accurately given.
3. Hudsonian Godwit 54L Churchill (Landing Lake Rd.). 58°43'N 94°04'W. 4 eggs predated by 3 July, 1983. Seen on June 23, 1983 by L&G Trefford. Nest site not accurately given. Prairie Nest Records Scheme Cards.
4. Hudsonian Godwit 54L Churchill (7km SE). 58°41'N 94°05'W. 4 eggs on 18 June, 1983 observed by P. Sinclair. Eggs hatched on 9 July 1983. Nest site not accurately given. Prairie Nest Records Scheme Cards.
5. Whooping Crane 54L Churchill. 58°46'N 94°00'W. 2 birds seen on April 27, 1975, Boothroyd (1980).
6. Merlin 54L Churchill 58°41'N 94°05'W - No data.
7. Hudsonian Godwit 54L 94°45'N 58°00'W - No data.
8. Merlin 54L Churchill 58°40'N 58°01'W - No data.

Map Sheet 54M. Map References to Uncommon Indicator Birds

1. Common Scoter 54M Seal River 23 mi. N., 23 mi. W., of Churchill. 59°03'N 94°50'W. 8 eggs found in nest in boggy Tundra habitat, 4 July 1973. Site not accurate. Prairie Nest Records Scheme Cards.

Map Sheet 54L Important Sites

A Field Check-list of the Birds of Churchill by Bonnie Chartier consists of 176 species of which 19 are accidentals. The area is of considerable breeding and staging importance to rare and uncommon birds.

1 Churchill, Cape Merry

- AQ Wandering Tattler 54L Churchill. Exact location not known, not mapped. RC3 1 bird 14-15 June 1981 seen by m.ob. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- 9 AQ Water Pipit 54L Churchill, Cape Merry. 58°47'N 94°11'W. RC3 6 eggs in nest on rugged coast of large boulders on June 25/83 seen by J. Richards. Prairie Nest Records Scheme Cards.
- 10 DI Harlequin Duck 54L Churchill (mouth of Churchill River, Cape Merry). 58°47'N 94°12'W. RC3 Two birds, One female or immature and one male 27 June, 1980, R.F. Koes many observers. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- 11 DI Harlequin Duck 54L Churchill (Cape Merry). 58°47'N 94°12'W. RC3 Four adult males, D. Fast, H. Lane, P. Taylor, 2 July 1982. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- 12 GR Yellow-billed Loon 54L Churchill River. 58°46'N 94°12'W. RC3 19 June, 1981 Kenn Kaufman observed the loon 2/3 across the Churchill River. One adult in breeding plumage. Also seen by Bob Aike, R.D. McRae, and many observers. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes. Gollop (1981).
- 13 GR Yellow-Billed Loon 54L Churchill, (Cape Merry). 58°47'N, 94°12'W. RC3 One bird in breeding plumage seen 26 June 1980 by A. Reille. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985). Gollop (1980).
- 14 SB Ivory Gull 54L Churchill, Cape Merry. 58°47'N 94°12'W. RC3 One subadult 9-10 June, 1976, A. H. Rider and B. Chartier. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- 15 SH Curlew Sandpiper 54L Churchill, pond near elevator. 58°47'N 94°11'W. RC2 29 May 1973, Brooks and M. Skeel found and photographed. Copies of the photographs are with the Royal Ontario Museum and the National Museum of Natural Sciences. Likely a female in full breeding plumage, McRae (1986).

Numbers 16,17,18,19,20,21, and 22 are in Important Site 2.

- 23 RA Merlin 54L Churchill. 58°45'N 94°15'W. RC3 Possible nest, June 17/85. Prairie Nest Records Scheme Cards.
- 24 SH Ruff 54L Churchill. 58°47'N 94°11'W. RC2 An adult male was photographed on 23 and 24 June, 1974, Ribble (1975).
- SH Ruff 54L Churchill. 58°47'N 94°11'W. RC2 An adult of undetermined sex was seen on 23 June 1970 by Pittaway and Nero. This was an adult in moult closer to fall than breeding plumage, Pittaway (1971).
- SH Ruff 54L Churchill. 58°47'N 94°11'W. RC3 A subadult male photographed on 17 June, 1978. (T. Burke, T. Dabis, m. ob.; R. Koes, pers. comm.)
- DI Barrow's Goldeneye 54L Churchill. Exact location not known, not mapped. RC3 2 male and 1 female mid-July 1983. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DA Brant 54L Churchill. Exact location not known, not mapped. RC3 5 birds 7 June 1982; 3 birds 12 June 1982 seen by B. Chartier. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DA European Widgeon 54L Churchill. Exact location not known, not mapped. RC3 1 male seen by B. Chartier, m.ob. 14 June 1983. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Smew 54L Churchill. Exact location not known, not mapped. RC3 1 male 7 November 1983. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985). Harris (1984).
- RA Red-Shouldered Hawk 54L Churchill. Exact location not known, not mapped. RC3 1 bird 8 May 1983, B. Chartier. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985). Harris (1983).
- 25 WA Whooping Crane 54L Churchill. 58°45'N 94°05'W. 3 birds seen on Sept. 6, 1984, Boothroyd (1980).

2 Churchill, Akudlik Marsh

- 16 PC Band-Tailed Pigeon 54L Churchill, Akudlik Marsh. 58°45'N 94°05'W. RC3 One adult 2 July, 1983, R.W. Knapton, J. Richards. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- 17 SB Little Gull 54L Churchill, Akudlik Marsh (5km E). 58°45'N 94°07'W. RC3 3 eggs. Detailed account by R. McRae 4 July, 1981. Prairie Nest Records Scheme Cards. McRae (198*).

- 18 SB Ross' Gull 54L Churchill, Akudlik Marsh (5kmE). 58°45'N 94°06'W. RC3 1 bird discovered on 20 June 1978. Was present until 23 June and seen and photographed by several observers, Serr (1978). 3 pairs attempted to nest in 1980. These were the first known nests in mainland North America, Chartier and Cooke (1980). In 1981 three nests were found; one with 4 eggs on July 4/81; the second on July 14/81 with 2 eggs; and the third on July 14/81 with 1 egg. Detailed accounts by McRae, Prairie Nest Records Cards. 10+ birds were present in 1982 and the first known successful nesting occurred in 1983, Gollop (1982) and Gollop (1983).
- 19 SH Curlew Sandpiper 54L Churchill, Akudlik Marsh (5mi. E of). 58°45'N 94°05'W. RC3 10 June, 1983, sighting by McRae and P.H. Sinclair. A quick "fly-by" also seen by Stan Shadick of Saskatchewan Natural History Society. Likely a male, McRae (1986).
- 20 SH Hudsonian Codwit 54L Churchill (main Rd near airport). 58°45'N 94°04'W. RC3 3 eggs 2 July, hatched 8 July, 1983. Seen by L&G Trefford. Prairie Nest Records Scheme Cards.
- 21 SH Hudsonian Godwit 54L Churchill. 58°45'N 94°06'W. RC3 4 eggs in nest June 16/83 seen by J. Richards. Nest site not accurately given. Prairie Nest Records Scheme Cards.
- 22 PC Northern Wheatear 54L Fort Churchill. 58°45'N 94°05'W. RC2 One immature 22 Aug., 1968, C. Littlefield. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes. Littlefield (1970).

Map Sheet 62F. Map References to Uncommon Indicator Birds

- 1 Baird's Sparrow 62F Belleview, Pipestone. NE 23-8-24W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 2 Baird's Sparrow 62F Belleview, Pipestone. NE 24-7-27W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 3 Baird's Sparrow 62F Belleview, Pipestone. 30-7-26W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 4 Baird's Sparrow 62F Belleview, Pipestone. NE 20-7-26W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 5 Baird's Sparrow 62F Belleview, Pipestone. SW 23-7-25W. 1
- 6 Burrowing Owl 62F Bernice. NW 8-5-26W. One pair observed in 1982 and 1983. Ratcliff (1986).
- 7 Burrowing Owl 62F Bernice. SW 5-6-26W. One pair observed in 1982. Ratcliff (1986).
- 8 Baird's Sparrow 62F Boissevain, Deloraine. 15-3-22W. 4 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 9 Baird's Sparrow 62F Boissevain, Deloraine. 10-3-22W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 10 Baird's Sparrow 62F Boissevain, Deloraine. 13-3-20W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 11 Baird's Sparrow 62F Boissevain, Deloraine. 22-3-21W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 12 Baird's Sparrow 62F Boissevain, Deloraine. 6-4-22W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 13 Baird's Sparrow 62F Boissevain, Deloraine. 1-4-21W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 14 Baird's Sparrow 62F Boissevain, Deloraine. 29-2-22W. 1+ singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).

- 15 Sharp-Shinned Hawk 62F Boissevain (21mi. W of PA 446 on N-boundary Road.). 12-3-21W. 3 young in nest about 25 feet off ground in Ash Tree 7 July, 1979. Prairie Nest Records Scheme Cards.
- 16 Burrowing Owl 62F Brandon. NW 16-9-19W. Single adult observed in 1983, Ratcliff (1986).
- 17 Burrowing Owl 62F Brandon. SE 8-10-19W. Single adult observed in both 1982 and 1983, Ratcliff (1986).
- 18 Burrowing Owl 62F Brandon. NE 18-9-19W. One Pair observed in 1982. Ratcliff (1986).
- 19 Baird's Sparrow 62F Broomhill, Melita. NE 34-4-27W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 20 Baird's Sparrow 62F Broomhill, Melita. NW 23-5-28W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 21 Baird's Sparrow 62F Broomhill, Melita. SW 19-5-27W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 22 Baird's Sparrow 62F Broomhill, Melita. NW 23-5-28W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 23 Baird's Sparrow 62F Broomhill, Melita. S 27-5-28W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 24 Baird's Sparrow 62F Broomhill, Melita. NW 18-5-27W. 5 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 25 Baird's Sparrow 62F Broomhill, Melita. NE 34-3-27W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 26 Baird's Sparrow 62F Broomhill, Melita. NE 22-5-27W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 27 Baird's Sparrow 62F Broomhill, Melita. W 23-5-27W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 28 Burrowing Owl 62F Broomhill. NW 9-5-27W. Three pairs observed in 1982, Ratcliff (1986).

- 29 Ferruginous Hawk 62F Broomhill. NW 10-5-27W. New nest being built in large Aspen. Nest not successful, B. Ratcliff pers. comm. (1985).
- 30 Burrowing Owl 62F Cameron. NW 16-1-27W. Two pairs observed in 1982 and 1983, Ratcliff (1986).
- 31 Burrowing Owl 62F Coulter. NE 32-2-27W. One pair observed in 1982, Ratcliff (1986).
- 32 Burrowing Owl 62F Dalny. NE 29-1-26W. One pair observed in 1982 and 1983. Ratcliff (1986).
- 33 Burrowing Owl 62F Dand Area. NW 19-4-23W. Single adult observed in 1983. (1986).
- 34 Burrowing Owl 62F Deloraine, Goodlands. NE 18-2-23W. One pair observed in 1982. Ratcliff (1986).
- 35 Burrowing Owl 62F Deloraine. NE 1-3-23W. One pair observed in 1983, Ratcliff (1986).
- 36 Burrowing Owl 62F Deloraine. NE 28-2-23W. One pair observed in 1983, Ratcliff (1986).
- 37 Burrowing Owl 62F Deloraine. SW 12-3-23W. One pair observed in 1983, Ratcliff (1986).
- 38 Burrowing Owl 62F Deloraine. NW 35-2-23W. One pair observed in 1983, Ratcliff (1986).
- 39 Burrowing Owl 62F Deloraine. NE 34-2-23W. One pair observed in 1982 and Two pairs in 1983. Ratcliff (1986).
- 40 Burrowing Owl 62F Deloraine. NE 10-3-23W. One pair observed in 1982 and 1983. Ratcliff (1986).
- 41 Eared Grebe 62F Goodlands. NE 1/4 10-2-24W. 80 + adults in vicinity. Two nests; one with 1 egg another with 3 eggs found on 19 June, 1985 by C. Cuthbert. Prairie Nest Records Scheme Cards.
- 42 Baird's Sparrow 62F Goodlands. NE 26-2-24W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 43 Burrowing Owl 62F Goodlands Area. NE 10-1-24W. One pair observed in 1982. Ratcliff (1986).
- 44 Burrowing Owl 62F Goodlands. NE 23-2-24W. Single adult observed in 1983, Ratcliff (1986).
- 45 Burrowing Owl 62F Goodlands. NE 26-2-24W. One pair observed in 1983, Ratcliff (1986).

- 46 Burrowing Owl 62F Goodlands. SE 10-2-24W. Single adult observed in 1982, Ratcliff (1986).
- 47 Burrowing Owl 62F Goodlands. SW 10-2-24W. Single adult observed in 1983, Ratcliff (1986).
- 48 Burrowing Owl 62F Goodlands Area. SE 26-2-24W. One pair observed in 1982. Ratcliff (1986).
- 49 Burrowing Owl 62F Goodlands Area. NW 11-1-24W. One pair observed in 1982. Ratcliff (1986).
- 50 Burrowing Owl 62F Goodlands Area. NE 6-1-24W. Two pairs observed in 1982. Ratcliff (1986).
- 51 Burrowing Owl 62F Goodlands. NE 6-2-24W. One pair observed in 1983, Ratcliff (1986).
- 52 Eared Grebe 62F Gordon Lake. 49°05'N 100°15'W. 25 nests estimated, Koonz and Rakowski (1985).
- 53 Eared Grebe 62F Hartney, south. 49°25'N 100°31'W. 20 nests estimated, Koonz and Rakowski (1985).
- 54 Baird's Sparrow 62F Lauder, Medora. W 33-4-24W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 55 Baird's Sparrow 62F Lauder, Medora. SW 34-4-24W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 56 Baird's Sparrow 62F Lauder, Medora. SE 2-4-24W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 57 Baird's Sparrow 62F Lauder, Medora. NW 4-5-24W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 58 Burrowing Owl 62F Lauder. NE 29-4-24W. One pair observed in 1982 and two pairs in 1983. Ratcliff (1986).
- 59 Burrowing Owl 62F Lauder Area. SW 6-5-25W. Single adult observed in 1982, Ratcliff (1986).
- 60 Ferruginous Hawk 62F Lauder Area. SW 33-4-24W. 6 birds observed in pasture. No nest was found, B. Ratcliff pers. Comm. (1984).
- 61 Burrowing Owl 62F Leighton. NW 5-3-24W. Single adult observed in 1982, Ratcliff (1986).

- 62 Burrowing Owl 62F Leighton. SE 2-4-24W. Three pairs observed in 1982 and 1983. Ratcliff (1986).
- 63 Burrowing Owl 62F Leighton. NW 36-3-24W. One pair observed in 1982. Ratcliff (1986).
- 64 Burrowing Owl 62F Leighton. NW 8-3-24W. One pair observed in 1982. Ratcliff (1986).
- 65 Baird's Sparrow 62F Lenore. NW 4-11-24W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 66 Baird's Sparrow 62F Lenore. N 16-11-24W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 67 Forster's Tern 62F Lulu Lake, west. 49°02'N 100°14'W. 2 nests estimated, Koonz and Rakowski (1985).
- 68 Loggerhead Shrike 62F Lyleton (2mi. S.W.). 18-1-28W. 5 young seen on May 31/74 by R. Knapton in Caragana hedge. Not an accurate position. Prairie Nest Records Scheme Cards.
- 69 Say's Phoebe 62F Lyleton Area. 2-1-28W. A regular nest site located on an old stone farmhouse, J. Murray (Pers. Comm.).
- 70 Say's Phoebe 62F Lyleton Area. 17-1-28W. Nest located on an old farm house, J. Murray (pers. Comm.).
- 71 Say's Phoebe 62F Lyleton Area. 5-1-28W. Nest site located on an old stone farmhouse, J. Murray (Pers. Comm.).
- 72 Says' Phoebe 62F Lyleton Area. 2-1-29W. Nest in an old grainary, J. Murray (Pers. Comm.).
- 73 Says' Phoebe 62F Lyleton Area. 1-28W. Pair seen building a nest on June 3/1972. J.C. Murray States that he has never seen them in the area before. Knapton (1977) says the majority of Say's Phoebe in Manitoba are in the Lyleton area possibly nesting in numerous abandoned farms. Expects that there are not more than 10 pairs per year.
Says' Phoebe 62F Lyleton. NW-21-1-28W. Nest located on an old house in town. No nest was found in 1986 but adults and young were observed following fledging, J. Murray (Pers. Comm.).
- 74 Turkey 62F Lyleton. 49°00'N 101°01'W. 9 eggs on 20 July 1974. Nest robbed on 29 July 1974. Sighting by R. Knapton. Prairie Nest Records Scheme Cards.

- 75 Says' Phoebe 62F Lyleton, 11km. SW. 1-29W. J.C. Murray observed a pair complete the construction of a nest on the third attempt. 19 June female found dead beneath nest which contained 3 eggs. Knapton (1977), also in Man. Mus. Nest Records Cards #3229. Map location not exact.
- 76 Say's Phoebe 62F Lyleton, 7km. SE. 1-27W. Pair returned from 1974 and 1975 to farmhouse. Nest found on 7 June in old Barn Swallow Nest, Contained 4 young 3 of which were reared. Map location not exact.
Says' Phoebe 62F Lyleton, 7km. SE. 1-27W. 2 June, 1974 nest found being built in near by barn. On 21 June nest contained 5 eggs. Raised at least 3 young. Nest in Man. Mus. of man and Nat. # 1.21-338. Map Location not exact.
- 77 Baird's Sparrow 62F Lyleton, Pierson. SE 28-1-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 78 Baird's Sparrow 62F Lyleton, Pierson. NW 6-1-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 79 Baird's Sparrow 62F Lyleton, Pierson. SW 13-1-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 80 Baird's Sparrow 62F Lyleton, Pierson. NE 1-1-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 81 Baird's Sparrow 62F Lyleton, Pierson. NE 26-1-29W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 82 Baird's Sparrow 62F Lyleton, Pierson. NE 15-1-29W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 83 Baird's Sparrow 62F Lyleton, Pierson. NW 11-1-29W. 4 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 84 Baird's Sparrow 62F Lyleton, Pierson. SE 11-1-29W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 85 Baird's Sparrow 62F Lyleton, Pierson. SE 35-1-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 86 Baird's Sparrow 62F Lyleton, Pierson. 25-1-28W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).

- 87 Baird's Sparrow 62F Lyleton, Pierson. SW 24-2-29W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 88 Baird's Sparrow 62F Lyleton, Pierson. 27-1-29W. 5 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 89 Baird's Sparrow 62F Lyleton, Pierson. SE 34-1-29W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 90 Baird's Sparrow 62F Lyleton, Pierson. SW 13-2-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 91 Baird's Sparrow 62F Lyleton, Pierson. NW 17-1-29W. 1 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 92 Baird's Sparrow 62F Lyleton, Pierson. SE 15-2-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 93 Baird's Sparrow 62F Lyleton, Pierson. 21-1-29W. 7 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 94 Baird's Sparrow 62F Lyleton, Pierson. SW 30-1-28W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 95 Baird's Sparrow 62F Lyleton (lmi). 27-1-28W. 5 eggs in nest on 22 June, 1974 seen by R. Knapton. Position not accurate. Prairie Nest Records Scheme Cards.
- 96 Baird's Sparrow 62F Lyleton, Pierson. NE 26-1-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 97 Baird's Sparrow 62F Lyleton, Pierson. NW 17-1-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 98 Baird's Sparrow 62F Lyleton, Pierson. 24-1-29W. 1 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 99 Baird's Sparrow 62F Lyleton, Pierson. SE 30-1-28W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).

- 100 Baird's Sparrow 62F Lyleton, Pierson. NW 14-1-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 101 Baird's Sparrow 62F Lyleton, Pierson. N 13-2-29W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 102 Baird's Sparrow 62F Lyleton, Pierson. N 26-1-29W. 4 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 103 Baird's Sparrow 62F Lyleton, Pierson. SE 31-1-29W. 4 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 104 Baird's Sparrow 62F Lyleton, Pierson. SW 23-2-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 105 Baird's Sparrow 62F Lyleton, Pierson. SW 25-2-29W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 106 Baird's Sparrow 62F Lyleton, Pierson. SE 6-2-29W. 5 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 107 Baird's Sparrow 62F Lyleton, Pierson. SE 21-1-29W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 108 Burrowing Owl 62F Lyleton. SE 25-1-29W. Single adult observed in 1983, Ratcliff (1986).
- 109 Burrowing Owl 62F Lyleton. SW 13-2-29W. Three pairs observed in 1982 and Two pairs in 1983, Ratcliff (1986).
- 110 Burrowing Owl 62F Lyleton. SW 17-1-29W. One pair observed in 1983, Ratcliff (1986).
- 111 Burrowing Owl 62F Lyleton. NW 12-1-28W. Single adult observed in 1982, Ratcliff (1986).
- 112 Burrowing Owl 62F Lyleton. SW 19-1-28W. One pair observed in 1983, Ratcliff (1986).
- 113 Burrowing Owl 62F Lyleton. NE 2-1-29W. One pair observed in 1983, Ratcliff (1986).
- 114 Burrowing Owl 62F Lyleton. SW 19-1-28W. Single adult observed in 1982, Ratcliff (1986).

- 115 Burrowing Owl 62F Lyleton. SE 22-1-29W. One pair observed in 1982, Ratcliff (1986)
- 116 Burrowing Owl 62F Lyleton. SW 21-1-29W. one pair observed in 1983, Ratcliff (1986).
- 117 Burrowing Owl 62F Lyleton . NW 24-1-29W. One pair observed in 1982 and 1983, Ratcliff (1986).
- 118 Ferruginous Hawk 62F Lyleton Area. NE 12-1-29W. 2 young fledged and banded, B. Ratcliff pers. comm. (1985).
- 119 Ferruginous Hawk 62F Lyleton Area. SE 26-1-29W. A pair seen mating at nest site on 15 April, 1984. Pair not seen together after 27 April snowstorm but one bird seen at nest on 5 occasions in May. Nest examined on 26 June not successful broken shells found. Nest made of sticks and cow chips in crotch of Maple tree in pasture land. Recorded by John L. Murray. Prairie Nest Records Scheme Cards. Also (Ratcliff Pers. comm.).
Ferruginous Hawk 62F Lyleton Area. SE 26-1-29W. 2 young fledged and banded, B. Ratcliff pers. Comm. (1985).
- 120 Ferruginous Hawk 62F Lyleton. NE12-1-28W. 2 young banded at nest in mature Russian Poplar, July 10/85. Prairie Nest Records Scheme Cards.
- 121 Ferruginous Hawk 62F Lyleton. SE26-1-29W. 2 young banded at nest. July 9/85. Prairie Nest Records Scheme Cards.
- 122 Ferruginous Hawk 62F Lyleton Area. SW29-1-29W. Three young Fledged from nest made of sticks on an Aspen tree in a pasture. Seen by John L. Murray. Prairie Nest Records Scheme Cards (1984). Also B. Ratcliff Pers. Comm.
- 123 Burrowing Owl 62F Medora Area. NE 18-4-23W. One pair observed in 1983, Ratcliff (1986).
- 124 Burrowing Owl 62F Medora Area. SE 21-4-24W. Three pairs observed in 1982 and 1983. Ratcliff (1986).
- 125 Burrowing Owl 62F Medora. NE 24-3-25W. Two pairs observed in 1982. Ratcliff (1986).
- 126 Burrowing Owl 62F Melita. NE 28-3-26W. One pair observed in 1983, Ratcliff (1986).
- 127 Burrowing Owl 62F Melita. NW 35-4-27W. Single adult observed in 1982, Ratcliff (1986).
- 128 Burrowing Owl 62F Melita Area. SE 14-4-28W. Two pairs observed in 1982, Ratcliff (1986).

- 129 Burrowing Owl 62F Melita Area. NW 15-3-26W. Two single adults observed in 1982, Ratcliff (1986).
- 130 Burrowing Owl 62F Melita. SE 31-4-26W. One pair observed in 1982. Ratcliff (1986).
- 131 Burrowing Owl 62F Melita. SW 2-4-26W. One pair observed in 1982. Ratcliff (1986).
- 132 Burrowing Owl 62F Melita Area. NW 15-3-26W. One pair observed in 1982 and 1983. Ratcliff (1986).
- 133 Burrowing Owl 62F Melita Area. SE 26-3-26W. One pair observed in 1982. Ratcliff (1986).
- 134 Baird's Sparrow 62F Oak Lake, Marshy Lake. SE 8-9-25W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 135, 136, 137, are Important Sites.
- 138 Baird's Sparrow 62F Oak Lake, Marshy Lake. SE 9-9-25W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 139 Baird's Sparrow 62F Oak Lake, Marshy Lake. SW 19-6-25W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 140 Baird's Sparrow 62F Oak Lake, Marshy Lake. SW 10-9-25W. 3 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 141 Loggerhead Shrike 62F Pierson (7mi SW). 35-2-29W. 7 eggs in nest on June 22/76, seen by R. Knapton. Prairie Nest Records Scheme Cards.
Loggerhead Shrike 62F Pierson (7mi SW). 35-2-29W. 5 young in nest on willow bluff in field on May 30/74, seen by R Knapton. Prairie Nest Records Scheme Cards.
- 142 Burrowing Owl 62F Pierson. NW 23-2-29W. Single adult observed in 1983, Ratcliff (1986).
- 143 Burrowing Owl 62F Pierson. SW 18-2-29W. Single adult observed in 1983, Ratcliff (1986).
- 144 Burrowing Owl 62F Pierson. SE 35-2-29W. Single adult observed in 1983, Ratcliff (1986).
- 145 Burrowing Owl 62F Pierson. SE 27-2-29W. Single adult observed in 1982, Ratcliff (1986).
- 146 Burrowing Owl 62F Pierson. SW 5-3-28W. Single adult observed in 1982, Ratcliff (1986).

- 147 Burrowing Owl 62F Pierson. NW 23-2-29W. One pair observed in 1982 and two pairs in 1983, Ratcliff (1986).
- 148 Burrowing Owl 62F Pierson. SW 15-3-28W. Single adult observed in 1982, Ratcliff (1986).
- 149 Burrowing Owl 62F Pierson. SW 36-2-29W. Two pairs observed in 1982, Ratcliff (1986).
- 150 Burrowing Owl 62F Pierson. SE 6-3-28W. One pair observed in 1982, Ratcliff (1986).
- 151 Burrowing Owl 62F Pierson. SE 5-3-28W. One pair observed in 1982, Ratcliff (1986).
- 152 Burrowing Owl 62F Pierson. NW 32-2-28W. One pair observed in 1982, Ratcliff (1986).
- 153 Brant 62F Pierson Area. 35-2-29W. 1 bird 21-22 October 1983 seen by R. Wang. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- 154 Baird's Sparrow 62F Pipestone. SW 24-6-26W. 2+ singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 155 Baird's Sparrow 62F Pipestone. W 27-6-26W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 156 Burrowing Owl 62F Pipestone. NW 20-6-26W. One pair observed in 1982, Ratcliff (1986).
- 157 Burrowing Owl 62F Pipestone Area. NE 19-7-26W. One pair observed in 1983, Ratcliff (1986).
- 158 Burrowing Owl 62F Pipestone. NW 31-6-26W. Single adult observed in 1982, Ratcliff (1986).
Burrowing Owl 62F Pipestone Area. NW 31-6-26W. Two pairs observed in 1983, Ratcliff (1986).
Burrowing Owl 62F Pipestone. NW 31-6-26W. Five pairs observed in 1982, Ratcliff (1986).
- 159 Burrowing Owl 62F Pipestone Area. NW 19-7-26W. One pair observed in 1983, Ratcliff (1986).
- 160 Burrowing Owl 62F Pipestone Area. NW 32-6-26W. One pair observed in 1983, Ratcliff (1986).
- 161 Burrowing Owl 62F Pipestone Area. SW 15-6-26W. One pair observed in 1983, Ratcliff (1986).

- 162 Burrowing Owl 62F Pipestone. NE 16-6-26W. Single adult observed in 1982, Ratcliff (1986).
Burrowing Owl 62F Pipestone. NE 16-6-26W. One pair observed in 1982, Ratcliff (1986).
- 163 Great Blue Heron 62F Rebecca Lake, south. 49°02'N 100°11'W. 175 nests estimated, Koonz and Rakowski (1985).
- 164 Burrowing Owl 62F Reston. NE 24-7-27W. One pair observed in 1983, Ratcliff (1986).
- 165 Burrowing Owl 62F Scarth. SW 1-9-26W. Single adult observed in 1983, Ratcliff (1986).
- 166 Osprey 62F Sharpe Lake, Turtle Mtn. Provincial Park. 15-1-22W. Possible nest Sight. Adults leaving nest, seen by C. Smith, K. DeSmet, May 17/77. Prairie Nest Records Scheme Cards.
- 167 Baird's Sparrow 62F Souris. NW 7-8-22W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 168 Baird's Sparrow 62F Souris. S 31-7-23W. 4 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 169 Baird's Sparrow 62F Souris. NE 17-8-20W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 170 Baird's Sparrow 62F Souris. NW 2-8-21W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 171 Great Egret 62F Souris River, Napinka, Pipestone. 15-4-26W. Last years juvenile seen feeding in flooded flats of the Souris River. On 5 June 1956 it is believed the same bird was seen 12 miles North of Pipestone in a Great Blue and Black-Crowned Night Heron colony. 19 June 1956 the nest of the Egret was observed. It appeared to contain two young chicks. 12 August 1956, Mrs. James Stewart, observed four birds at Napinka of which 3 of the 4 appeared to be young as no fluffy tail was present. Bird (1956).
- 172 Burrowing Owl 62F Tilston. SW 6-8-28W. Single adult observed in 1982, Ratcliff (1986).
- 173 Burrowing Owl 62F Underhill, Hartney Area. SE 16-6-22W. One pair observed in 1982 and 1983. Ratcliff (1986)

- 174 Burrowing Owl 62F Waskada. SE 28-2-25W. Single adult observed in 1983. Ratcliff (1986).
Burrowing Owl 62F Waskada. SE 28-2-25W. One pair observed in 1983, Ratcliff (1986).
- 175 Burrowing Owl 62F Waskada. SW 18-2-25W. Two pairs observed in 1982. Ratcliff (1986).
Burrowing Owl 62F Waskada. SW 18-2-25W. Single adult observed in 1983, Ratcliff (1986).
- 176 Burrowing Owl 62F Waskada. SW 16-2-25W. Three pairs observed in 1982 and 1983. Ratcliff (1986).
- 177 Burrowing Owl 62F Waskada. SE 6-2-25W. One pair observed in 1982. Ratcliff (1986).
- 178 Burrowing Owl 62F Waskada Area, US. Border. SW 9-1-25W. Three pairs observed in 1982 and four pairs in 1983. Ratcliff (1986).
- 179 Burrowing Owl 62F Waskada Area, US Border. NE 6-1-25W. One pair observed in 1982. Ratcliff (1986).
- 180 Burrowing Owl 62F Whitewater Lake. NE 7-3-22W. One pair observed in 1982. Ratcliff (1986).
- 181 Burrowing Owl 62F Whitewater Lake. SW 7-3-22W. Single adult observed in 1983, Ratcliff (1986).
- 182, 183, 184, 185, are Important Sites.
- 186 Burrowing Owl 62F Melita. NE 27-4-27W. Single adult observed in 1983, Ratcliff (1986).
Burrowing Owl 62F Melita. NE 27-4-27W. Two pairs observed in 1983, Ratcliff (1986).
- 187 Loggerhead Shrike 62G Brandon. NE 7-10-19W. 3 young in nest on 22 June, 1980 by I. Milliken. Prairie Nest Records Scheme Cards.

Map Sheet 62F Important Sites

1 Alexander-Griswold Marsh Complex

DD Waterfowl 62F Alexander-Griswold Marsh Complex. 9,10-22-23E. RC3 Sept. 15/81, 8400 ducks mostly mallards and gadwall. Oct. 2/81, 3626 ducks mostly gadwall, 14 tundra swans, 2287 snow geese. Oct. 18/81, 3033 ducks mostly gadwall, 4500 snowgeese. Ducks Unlimited Waterfowl Regional Survey.

2 Assiniboine River Valley

DD Ducks 62F Assiniboine River Valley. 10-25W. RC2 Important duck production area. Adams (1983).

3 Chain Lakes

DD Ducks 62F Chain Lakes. 7-23W. RC2 Important duck staging area. Adams (1983).

4 Maple-Hunter Lakes

DD Ducks 62F Maple-Hunter Lakes. 6,7-25,26W. RC2 Important duck staging area. Adams (1983).

5 Oak Lake - Plum Lakes

DD Trumpeter Swan 62F Oak Lake. Exact location not known, not mapped. RC3 31 October and 1 November 1977, 2 birds seen by D. Hatch. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI White-winged Scoter 62F Oak Lake. 8-24W. RC3 9 eggs found in nest in snowberry brush in pasture on ground 28 June 1983. Prairie Nest Records Scheme Cards.

GR Arctic Loon 62F Oak Lake. 8-24W. RC3 One adult and two immature birds seen on 22 October 1979 by D. Hatch (unconfirmed). Map location not accurate. Koes, R. Update of unpub. rep., Manitoba Rare Birds Volume, 1985.

135 PC Baird's Sparrow 62F Oak Lake, Marshy Lake. SW 12-8-25W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).

- 136 PC Baird's Sparrow 62F Oak Lake, Marshy Lake. W 1-8-25W.
2 singing males observed during 18 May to 23 July survey
1985, Ratcliff (1985).
- 137 PC Baird's Sparrow 62F Oak Lake, Marshy Lake. NW 12-8-25W.
2 singing males observed during 18 May to 23 July survey
1985, Ratcliff (1985).
- 182 SB Franklin's Gull 62F Oak Lake. 49°43'N 100°46'W. RC3
100 nests estimated, Koonz and Rakowski (1985).
SB Franklins Gull 62F Plum Marsh. 8-24W. RC3 Approx. 150
nest in colony. Interspersed hardstem bulrush and cattail
marsh. Found on 16 July, 1986 by R. Andrews. Site not
accurate. Prairie Nest Records Scheme Cards.
- DI Black Scoter 62F Oak Lake. Exact location not known, not
mapped. RC3 2 birds 12 November 1977. (Koes, R. Update
of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DA Cinnamon Teal 62F Oak Lake. Exact location not known,
not mapped. RC3 1 adult male captured during breeding
program 12 August 1981 C. Cuthbert. (Koes, R. Update of
the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DD Ducks, Geese 62F Oak-Plum Lakes. 7,8-24,25W. RC2
Important duck moulting, staging and production area.
Important goose staging area. Adams (1983). Sept. 15/81,
7898 ducks, mostly blue-winged teal, and canvasback, and
12 tundra swans. Oct. 2/81 2354 ducks mostly gadwall,
shovelers, and canvasback. 2650 snow geese. Oct. 18/81,
3187 dabblers (mallards), 73108 divers (canvasback, scaup,
redhead), 4462 canada geese, and many shorebirds, Ducks
Unlimited Waterfowl Regional Survey.
This area's importance ranked 49th in Canada with an
overall score of 29.0 and a biological score of 15.0,
Rakowski (1985).
- DD Waterfowl 62F Plum Marsh. 8-24W. RC3 Oct. 2/81, 3264
ducks mostly mallards, shovelers, and canvasback. 8 AWPE,
35 GBHE, 165 tundra swans, 880 canada geese, 22150 snow
geese. Oct. 18/81, 2462 ducks mostly mallards, shovelers,
and scaup. 194 tundra swans, 900 snow geese, 206 canada
geese, Ducks Unlimited Waterfowl Regional Survey.

6 Souris River Valley

- DD Ducks 62F Souris River Valley. 4-6W. RC2 Important
duck production area. Adams (1983).

7 Chain Lake, Turtle Mountains

DD Ducks 62F Turtle Mountains. 1-21W. RC2 Important duck production area. Adams (1983).

183 DD Waterfowl 62F Chain Lake (0.5mi. ~~W~~^E of Adam Lake), Turtle Mtns. Prov. Park. 14-1-20W. RC1 4.7 breeding pairs per mile mostly wigeon, mallard, teal, gadwall, ring-neck, and goldeneye. High staging numbers also reported, Stewart (1972).

8 Elizabeth Lake

184 DD Waterfowl 62F Elizabeth Lake, Turtle Mountain Prov. Park. 28-1-20W. RC1 7.0 breeding pairs per mile mostly scaup, wigeon, ring-neck, gadwall, and blue-wing teal. High staging numbers reported, Stewart (1972).

9 George Lake

185 DD Waterfowl 62F George Lake (.5 mi. south of), Turtle Mountain Prov. Park. 13-1-20W. RC1 12.1 breeding pairs reported per mile, mostly scaup, mallard, wigeon, teal, and buffleheads. Also fairly high staging numbers reported, Stewart (1972).

10 Whitewater Lake

DD Ducks, Geese 62F Whitewater Lake. 3-21,22W. RC2 Important duck moulting, and duck and goose staging area. Adams (1983).
Sept.15/81, 38180 ducks, 2225 snow geese, 395 canada geese including small cacklers, 15 swans, 765 sandhill cranes.
Oct. 2/81, 7887 ducks mostly gadwall, shoveler, and canvasback, 350 tundra swans, 532 canada geese, 53000 snow geese. Oct. 18/81, 5624 tundra swans, 32000 snow geese.
Sept. 14/82, 24423 ducks, 190118 snow geese, 1088 sandhill cranes, 41 tundra swans. Oct 14/81, 116000 snow geese.
Nov 3/82, 202 tundra swans, Ducks Unlimited Waterfowl Regional Survey. 3000 sandhill cranes, Harris (1986).

SH Piping Plover 62F Whitewater Lake. 3-21W. RC4 2-3 adults seen in June high water during 3 censuses, Haig (1986).

SH Shorebirds 62F Whitewater Lake. 3-21,22W. RC3 22,342 acres are very important for local production and spring and fall staging areas (Holohan, personal communication).

WA Ross' Goose 62F Whietwater Lake. Exact location not know, not mapped RC3 20 birds fall 1980. (Koes, R. Update of the unpublished report, Manitoba Rare Birds Volume, 1985).

Map Sheet 62F Important Sites

11. Lyleton Area

PC Perching birds 62F Lyleton 1-28, 29 W1 RC3. Bairds Sparrow. Numerous singing males seen. See individual sites (Ratcliff 1985).

RA Burrowing owls - 4 sites: 98, 108, 112, 115.

12. Pierson

RA Raptors 62F Pierson 2,3-28, 29 W1 RC3. Burrowing owl sites: 144, 149, 146, 150, 151, 152 (Ratcliff 1986).

13. Deloraine

RA Raptors 62F Deloraine 2,3-23 W1 RC3. Burrowing owl sites: 35, 37, 38, 39, 180, 181 (Ratcliff 1986).

Map Sheet 62G. Map References to Uncommon Indicator Birds

- 1 Eared Grebe 62G Baldur. 49°27'N 99°14'W. 40 nests estimated, Koonz and Rakowski (1985).
- 2 Baird's Sparrow 62G Belmont. 25-5-16W. 2+ singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 3 Burrowing Owl 62G Brandon. NW 10-10-19W. One pair observed in 1982, Ratcliff (1986).
Summer Tanager 62G Brandon. 10-19W. 13 June 1981, one pre-adult male found dead, near Brandon. Specimen in B.J. Hales Museum Brandon, Purdy (1986).
- 4 Burrowing Owl 62G Brandon. NE 16-10-19W. One pair observed in 1982 and 1983, Ratcliff (1986).
- 5 Burrowing Owl 62G Brandon. NE 15-9-19W. One Pair observed in 1982, Ratcliff (1986).
- 6 Burrowing Owl 62G Brandon. NW 2-10-19W. One Pair observed in 1982, Ratcliff (1980).
Burrowing Owl 62G Brandon. NW 2-10-19W. Single adult observed in both 1982 and 1983, Ratcliff (1986).
- 7 Burrowing Owl 62G Brandon. NE 35-9-19W. One pair observed in 1983, Ratcliff (1986).
- 8 Burrowing Owl 62G Brandon. NW 10-10-19W. Single adult observed in 1982, Ratcliff (1986).
- 9 Goshawk 62G Brandon. 49°04'N 99°00'W. Female on nest, 7 June, 1972. Prairie Nest Records Scheme Cards.
- 10 Merlin 62G Brandon. 14-10-19W. 2 downy young seen in nest by C. Cuthbert. Nest on a busy coner of 10th ST. and Queens on dept. Agrulture grounds 9 July, 1982. Prairie Nest Records Scheme Cards.
Merlin 62G Brandon. 10-19W. 3 young found by M. McCowan 11 July, 1982. Nest site not accurately know. Prairie Nest Records Scheme Cards.
Merlin 62G Brandon. 10-19W. 3 young in nest found by M. McCowan on 1 July, 1978. Nest used again in 1979. Nest site not accurately known. Prairie Nest Records Scheme Cards.
- 11 Yellow Rail 62G Brandon (3mi E). 32-9-18W. 4 eggs in nest. Manitobas first nesting records for this species. June 6/62 and June 26/62. Nest abandoned and rebuilt on July 4/62 seen by J. Lane. Prairie Nest Records Scheme Cards.
Yellow Rail 62G Brandon Area Sloughs. On 17 June searched and found nest containing 4 eggs, Shortt (1962).

- 12 Yellow Rail 62G Brandon (2 1/2 mi SE). 4-10-18W? . 9 eggs in nest on July 11/62. Very detailed notes on sighting by J. Lane. Prairie Nest Records Scheme Cards.
- 13 Baird's Sparrow 62G Chater. 27-10-18W. July 5/65, 4 eggs in nest. July 14/65, young left nest. J. Lane. Prairie Nest Records Scheme Cards.
- 14 Yellow Rail 62G Douglas. 3-11-17W. 5 birds 26 May 1984. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- 15 Burrowing Owl 62G Enterprise, Smith Hill PO. NW 15-1-16W. One pair observed in 1983, Ratcliff (1986).
- 16 Burrowing Owl 62G Fairview. SE 18-11-15W. Single adult observed in 1982, Ratcliff (1986).
- 17 Wood Duck 62G Glenboro, Spruce woods Provincial Park (Marsh Lake). 10-7-14W. Hole found in cottonwood tree, down found at entrance. 14 May /80. Prairie Nest Records Scheme Cards.
- 18 Franklin's Gull 62G Glenboro Marsh. 49°31'N 99°15'W. 2000 nests estimateed, Koonz and Rakowski (1985).
Franklin's Gull 62G Glenboro Marsh. 6-14W. Colony of 300 + pairs, seen by R. Andrews, June 27/85. Prairie Nest Records Scheme Cards.
- 19 Ross' Goose 62G Glenboro. 10-7-14W. 1 blue-phase in flock of 7 on 29 April 1984, first report of a blue-phase Ross' Goose in Manitoba. (Koes, R. Update of Manitobe Rare Birds Volume, 1985).
- 20 Colonial Nesters 62G Glenora (East). 49°11'N 99°04'W. GBHE colony, Vermeer and Hatch (1972).
Great Blue Heron 62G Glenora (East of) . 49°11'N 99°04'W. Number of nests in colony not known, Vermeer and Hatch (1972).
- 21 Great Blue Heron 62G Carberry, 49°50'N 99°19'W. 27 nests estimated, Koonz and Rakowski (1985).
- 22 Baird's Sparrow 62G Holland (SW of). 16-7-11W. 1+ singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 23 Baird's Sparrow 62G Holmfield. S 35-2-16W. 2+ singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 24 European Widgeon 62G Killarney Area. 3-3-17W. 1 male seen by Ken DeSmet m.ob. 1 May 1979. (Koes, R. Update of Manitobe Rare Birds Volume, 1985).

- 25 Burrowing Owl 62G Long Plain. NW 30-10-8W. One Pair observed in 1982, Ratcliff (1986).
- 26 Burrowing Owl 62G Margaret. SW 23-5-18W. Single adult observed in 1982, Ratcliff (1986).
- 27 Burrowing Owl 62G Melbourne. NE 29-10-13W. Single adult observed in 1982, Ratcliff (1986).
- 28 Baird's Sparrow 62G Shilo. E 18-10-17W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 29 Baird's Sparrow 62G Shilo. NE 6-10-17W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 30 Baird's Sparrow 62G Shilo. W 17-10-17W. 2 singing males observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 31 Baird's Sparrow 62G Shilo. NE 7-10-17W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 32 Baird's Sparrow 62G Shilo. S 32-10-17W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 33 Great Blue Heron 62G Thornhill, north. 49°14'N 99°13'W. 89 nests estimated, Koonz and Rakowski (1985).
- 34 Wood Duck 62G TreeBank. 5-8-16W. 5 young seen leaving nest in hollow rotten tree. June, 1983. Prairie Nest Records Scheme Cards.

Coopers Hawk 62G Shilo. 10-7W. 1 adult female at nest by K. Rebizant, May 15/83. Site not accurate. Prairie Nest Records Scheme Cards.

Red-Shouldered Hawk 62G Shilo. 2-16W. 1 bird 7 August 1983. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

Baird's Sparrow 62G Brandon (8mi. E). 10-17W. 4 eggs in nest on July 1/62 seen by J. Lane. Location not accurate. Prairie Nest Records Scheme Cards.

Map Sheet 62G Important Sites

1. Bone Lake

DD Waterfowl 62G Bone Lake. 34, 35-5-17W. RC3 October 18, 1981, 400 tundra swans, Ducks Unlimited Waterfowl Regional Survey.

2. Charlton Lake

DD Waterfowl 62G Charlton Lake, Turtle Mountain Provincial Park, 5, 6, 7, 8-1-19W. RC1 Lake shows high staging numbers in the fall, Stewart (1972).

3. Louise Lake

DD Ducks, Geese 62G Louise Lake. 3-15W. RC2 Important duck and goose staging area, Adams (1983).

4. Pelican Lake

35 CN Colonial Nesters 62G Pelican Lake South. 49°20'N 99°35'W. RC3 WEGR and AWPE, Vermeer and Hatch (1972).

DD Ducks 62G Pelican Lake, Ninette WMA. 5,4-17, 16W. RC2 Important duck staging area, Adams (1983). October 18, 1981, 1500 scaup, 125 tundra swans, Ducks Unlimited Waterfowl Regional Survey.

36 GR Western Grebe 62G Pelican Lake (N. end imm. E of Ninette along Hwy 23). 18-5-16W. RC3 75-100 Grebes, 12 or more nests in thin Scipus. Colony destroyed a few weeks later by storm, C. Cuthbert, May 10, 1982. Prairie Nest Records Scheme Cards.

WA Snowy Egret 62G Pelican Lake-Ninette. 5-16W. RC3 One adult observed on 19 June 1982 by D. Fast and H. Lane. Photo taken. Map location not accurate. (Koes, R. Update of the unpublished report, Manitoba Rare Birds Volume, 1985).

5. Rock Lake

AQ Yellow Rail 62G Rock Lake (1 mile east, 1 mile north of Glenora). 4-4-13W. RC3 1 bird 18 May 1979. (Koes, R. Update of the unpublished report, Manitoba Rare Birds Volume, 1985).

DD Ducks 62G Rock Lake. 3-13, 14W. RC2 Important duck staging area, Adams (1983).

6. Wawanesa-Rounthwaite

DD Waterfowl 62G Wawanesa-Rounthwaite. 7, 8-17, 18W. RC3 October 18, 1981, 800 snow geese, Ducks Unlimited Waterfowl Regional Survey.

7. William Lake

DD Waterfowl 62G William Lake, Turtle Mountains Provincial Park. 17-1-19W. RC1 5.4 breeding pairs per mile, mostly mallard, wigeon, and scaup. Also fairly high numbers of staging birds, Stewart (1972).

8. N. of Glen Souris

PC Perching Birds 62G N. Glen Souris. 10-17W. RC Bairds Sparrow
(Sites 28-31).

Map Sheet 62H. Map References to Uncommon Indicator Birds

- 1 Burrowing Owl 62H Altbergthal. SE 3-2-2W. Single adult observed in 1982, Ratcliff (1986).
- 2 Prairie Falcon 62H Dugald (1 or 2 miles east near railway line). 2-11-5E. 2 birds 2 February 1980 seen by J Christie. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- 3 Little Blue Heron 62H La Salle River (St. Norbert). 17-9-3E. One bird observed on 14 May 1977 by D. Kyle. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- 4 Wood Duck 62H Morris, Manitoba. 35-4-1E. 8 eggs in nest box, 18 July, 1980. Prairie Nest Records Scheme Cards Scheme Cards.
- 5 Coopers Hawk 62H Oakbank. 22-11-5E. 3 young banded, July 11/84, B. Hang. Site not accurate. Prairie Nest Records Scheme Cards.
- 6 Green-backed Heron 62H Sanford. 19-8-1E. Up to 4 birds seen by D. Fast 21-29 August 1982. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- 7 Loggerhead Shrike. 62H Winnipeg, La Barriere Park. 1-9-2E. 4 eggs found on 28 May, 1980 by N. Cleveland. Prairie Nest Records Scheme Cards.
- 8 Northern Mocking bird 62H Winnipeg, Transcona. 9-11-4E. 4 eggs seen on July 20/73 by N. McLean. Not an accurate location. Prairie Nest Records Scheme Cards.s. Cards.
- 9 Townsend's Solitaire 62H Winnipeg -along Wellington cres. E. of Assin. Park. 26-10-2E. One bird 2 Feb., 1986, R.F. Koes. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- 10 Coppers Hawk 62H Winnipeg. 49°52'N 97°22'W. 3 eggs in nest in Elm on Assinaboine River, July/67. Prairie Nest Records Scheme Cards.
Coopers Hawk 62H Winnipeg (3mi. S. & 3mi.E). Location not known. 5 eggs observed in nest, June 7/60. Site not mapped. Prairie Nest Records Scheme Cards.
- 11 Wood Thrush 62H Winnipeg-Assiniboine Park East of footbridge. 34-10-2E. One Adult male 27 May, 1982, R.F. Koes. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.

- 12 Coppers Hawk 62H Birds Hill Provincial Park. 49°57'N 97°00'W. 3 young, June 30/65. Prairie Nest Records Scheme Cards.

Coopers Hawk 62H Birds Hill Provincial Park. 49°57'N 97°00'W. 1 young at nest, July 18/81. Prairie Nest Records Scheme Cards.

Coopers Hawk 62H Birds Hill Provincial Park. 49°57'N 97°00'W. 2 young at nest, same nest tree as was used in 1981, July 12/83. Prairie Nest Records Scheme Cards.

Red-Shouldered Hawk 62H ST. Adolphe. Exact location not known, not mapped. 1 adult 31 March 1979; 1 bird 9 April 1983. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

Map Sheet 62H Important Sites

1 Ft. Whyte Nature Center

This center is an important staging area for ducks and geese in both spring and fall. Captive flock also present.

DI Oldsquaw 62H FT. Whyte Nature Center, Winnipeg. 11,14-10-2E. RC3 Female or immature, 3 Nov., 1981, R.F. Koes and M. Siepman. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.

DI Surf Scoter 62H Ft. Whyte (Winnipeg). 11,14-10-2E. RC3 6 female or immature 8 October 1982; (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

2 Morris-Red River

DD Ducks 62H Morris-Red River. 4,5-2E. RC2 Important duck production area, Adams (1983).

3 Winnipeg, La Salle River

DA Common Eider 62H Winnipeg. Exact location not known, not mapped. RC3 1 female 2-6 November 1984; 1 female 3-5 November 1984 observed by M. Siepman, m.ob. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DA Wood Duck 62H 10-3E. RC3 6 eggs, 4 caps found in Aluminum nest box on Seine River, 12 May, 1980.
8 discarded eggs, at least two caps found in artificial nest box on Seine River, St. Vital, Winnipeg, 12 May, 1980.
8-9 eggs seen in nest box on Seine River on 26 June, 1980.
8 young observed leaving nest and dropping to ground, then led by mother, to nearby Seine River on 15 July, 1979. Prairie Nest Records Scheme Cards.

DA Wood Duck 62H Winnipeg Area. RC3. Many nest boxes have been set up along the Red, Seine, and Assiniboine Rivers. These Rivers are very important breeding sites for Wood Ducks.

WA Green-backed Heron 62H Winnipeg. Exact location not known, not mapped. RC3 1 bird seen by G. Holland 21 August 1982. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985)

WA Oldsquaw 62H Winnipeg. Exact location not known, not mapped. RC3 3 birds 4 November 1979; 1 bird 27 October 1981. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

WA Snowy Egret 62H Winnipeg (5 mi. W.). Location not known. RC3 Bird found dead on railroad tracks 26 April 1979 by P. Killeen. Prepared as study skin by J. Wylie for Manitoba Museum of Man and Nature. Not mapped. (Koes, R. Update of Manitobe Rare Birds Volume, 1985).

Map Sheet 62I. Map References to Uncommon Indicator Birds

- 1 Forster's Tern 62I Balsam Bay (South of). 50°27'N 96°33'W. 300 nests estimated, Koonz and Rakowski (1985).
- 2 Piping Plover 62I Beausejour. 36-12-7E. 1 migrant seen at sewage lagoon on 7 June, 1986, Haig (1986).
- 3 Western Grebe 62I Beconia. 50°25'N 96°31'W. Location may not be exact. Colony of at least 14 nests, May 27/82, seen by D. Sexton. Prairie Nest Records Scheme Cards.
- 4 Burrowing Owl 62I Belair. SW 11-19-7E. Single adult observed in 1982, Ratcliff (1986).
- 5 Whooping Crane 62I Breezy Point. 50°14'N 96°50'W. 2 birds seen on May 8, 1977, Boothroyd (1980).
- 6 Piping Plover 62I Elk Island. 21-7E. 2 adult, 3 July. 1 nest seen in 1985. Haig (1986).
- 7 Piping Plover 62I Grassmere. 15-6E. 1 migrant seen at sewage lagoon, 29 May, 1986, Haig (1986).
- 8 Whooping Crane 62I Gull Lake. 50°24'N 96°31'W. 3 birds seen on May 22, 1977, Boothroyd (1980).
- 9 Whooping Crane 62I Komarno. 50°34'N 97°24'W. 2 birds seen on May 17, 1973, Boothroyd (1980).
- 10 Prairie Falcon 62I Lockport. 11-13-4E. 1 bird 31 March 1980 seen by R. Koes. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- 11 Louisiana Heron 62I Patricia Beach, 4km from hwy 59 on main road. 17-7E. 19 April 1976, R.F. Koes. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- 12 Whooping Crane 62I Ponemanh. 50°28'N 96°57'W. 5 birds seen on April 29, 1973, Boothroyd (1980).
- 13 Summer Tanager 62I Selkirk. 32-13-5E. 11, 13-18 November 1978, one specimen found by Mr. & Mrs. W. W. Sargent. Died 18 November, Specimen in Manitoba Museum of Man and Nature, Purdy (1986).
- 14 Yellow-Billed Cuckoo 62I Selkirk Area. 13-5E. Found nest 12 July, 1945 (L.E. McCall). Nest in Manitoba Maple sapling covered with Bittersweet in vacant lot. 18 July young bird first seen. 20 July young bird left nest and flew to tree top. H.G. Laurence. "chickadee Notes" #1270. WPG. Free Press 27 July, 1945.

- 15 Merlin 62I Stonewall. 25-13-1E. 3 young observed flying from nest by K. Gardner on 12 July, 1983. Nest site not accurately given. Prairie Nest Records Scheme Cards.
- 16 Whooping Crane 62I Teulon. 50°18'N 97°26'W. 4 birds seen on April 25, 1971, Boothroyd (1980).
- 17 Bald Eagle 62I Traverse Bay. 50°⁴³~~53~~'N 96°28'W. Location may not be exact. 2 chicks in dead poplar on mainland. June 1/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 18 Bald Eagle 62I Traverse Bay. 50°42'N 96°28'W. Location may not be exact. On nest in live Spruce on Mainland. June 1/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 19 Oldsquaw 62I Winnipeg River, Pine Falls. 36,35-18-9E. One 1st year male 24 Nov., 1984. R.F. Koes and G. Holland. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- 20 Common Tern 62I Woodroyd (NW of). 50°17'N 97°30'W. 25 nests estimated, Koonz and Rakowski (1985).
- 23 Harlequin Duck 62I Red River, 23km South of St. Andrews?. Location not known. One female or immature bird Nov. 10, 1979. R.F. Koes, D. Hatch. Site not mapped, Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- Harlequin Duck 62I Red River - north of Lockport. 12-13-4E. One female or immature bird 25 Oct. 1980. R.F. Koes Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.

Map Sheet 62I Important Sites

1 Burnt Lake Complex

DD Ducks and Geese 62I Burnt Lake Complex. 10,11,14,15-21-3W. RC3 Made up of a number of small waterbodies. Breeding - important for Giant Canada Geese. Moulting - local production only. Staging - Minimal. (Gillespie and Whaley pers. comm.)

2 Chatfield Lake

DD Ducks and Geese 62I Chatfield Lake. 20-1E. RC3 Breeding - Giant Canada geese, 20 pr. Diving ducks, 200pr. and some nesting dabbler. Moulting - Local breeders, geese and diving ducks. Staging - Geese, 5,000-7,000. Diving ducks, 700-1000, and mallards 1000-1500. (Gillespie and Whaley pers. comm.)

3^B Dennis Lake - Russell Lakes

DD Ducks and Geese 62I Dennis Lake. 21,22,27,28-18-2E. RC3 Breeding - Giant Canada Geese, 20 pr. Diving ducks, 200 pr. and dabblers. 50 pr. Moulting - Local birds, geese, and ducks. Staging - Geese, 2000-3000; ducks, 500-1500. (Gillespie and Whaley pers. comm.)

4 Grand Marais

SH Piping Plover 62I Grand Marais Spit. 18-7E. RC4 1 adult bird non-territorial, 28 July, 1986, Haig. (1986).

SH Piping Plover 62I Grand Marais Island. 18-7E. RC4 3 breeding pairs and 10 chicks, 17 July, 1986, Haig (1986).

DI Black Scoter 62I Grand Beach. Exact location not known, not mapped. RC3 1 bird 30 October 1982; 1 bird 11 November 1982. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI Black Scoter 62I Grand Beach. Exact location not known, not mapped. RC3 2-3 birds 25-27 October 1984. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI Black Scoter 62I Grand Beach. Exact location not known, not mapped. RC3 1 female immature 30 October 1976. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

- DA Cinnamon Teal 62I Grand Beach. Exact location not known, not mapped. RC3 1 pair 26 April 1981. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DI Oldsquaw 62I Grand Beach. Exact location not known, not mapped. RC3 1 female 13 November 1980. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DA Wood Duck 62I Grand Beach Provincial Park. 18-7E. New Breeding record for this area 27 June, 1969, 7-10 young. Flooded Willows bordering lagoon edge. Prairie Nest Records Scheme Cards.
- DI Harlequin Duck 62I Lake Winnipeg shore, Grand Marais. 19,18-18-7E. One female or immature 5 Nov. 1983. R.F. Koes many observers. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- DI Harlequin Duck 62I Lake Winnipeg Shore, Grand Marais. 19,18-18-7E. One female. 27 Oct., 1984, and 3 Nov., 1984. G. Grief, R.F. Koes. many observers. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- DI Oldsquaw 62I Lake Winnipeg, Grand Beach. 19,18-18-7E. Five birds, 3 immature males, 2 immature females likely, 3 Nov., 1984. R.F. Koes, and many observers. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- DI Oldsquaw 62I Lake Winnipeg, Grand Marais. 19,18-18-7E. Immature 3 Nov., 1979, R.F. Koes, many observers. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.

5 Grants Lake

- DD Ducks, Geese 62I Grants Lake. 23-12-1W. RC2 Important duck and goose staging site. Adams (1983)
- DD Ducks and Geese 62I Grants Lake. 12-1W. RC3 Breeding - habitat programs have resulted in limited prod. of dabbling ducks, 200 pr. divers - 15-20 prs. Moulting - resident breeding and moulting only. Staging (Fall)- Geese 30-40,000 occassionally exceeding 70,000 mallards and pintails 15-25,000. (Gillespie and Whaley pers. comm.)

6 Lake Fransis

- DD Ducks, Geese 62I Lake Fransis. 15-4W. RC2 Important duck moulting and staging area. Important goose staging area. Adams (1983).
- GR Western Grebe 62I Twin Beaches. 15-4W. RC1 3 eggs, May 27/73, found by K. Porteous. About 20 nests thought to be in area. Prairie Nest Records Scheme Cards.
- SH Piping Plover 62I Twin Lakes Beach. 15-4W. RC4 2 Adults, 1 nest in high disturbance area, 2 June, 1986, Haig (1986)
- 21 SB Franklin's Gull 62I Lake Francis (South). 50°17'N 97°57'W. 500 nests estimated, Koonz and Rakowski (1985).

7 Meadows

- DD Ducks 62I Meadows. 12-1,2,3,4W. RC2 Important duck production area. Adams (1983).

8 Netley Marsh

- 22 SB Forsters' Tern 62I Netley Marsh. 50°20'N 96°50'W. RC3 FOTE colony. Hatch (1972), Rakowski and Koonz (1982).
This marsh's importance ranked 48th in Canada with an overall score of 29.0 and a biological score of 15.0, Rakowski (1985).
- SB Common Tern 62I Netley Marsh. 50°20'N 96°50'W. RC1 Number of nests in colony not known, Hatch (1972), Rakowski (pers. Comm.).
- DD Ducks and Geese 62I Netley Marshes . 15,16-4,5,6E. RC2 Important duck staging and production marsh, also an important goose staging and moulting site, (Adams 1983).
- DD Ducks and Geese 62I Netley Marshes. 15,16-4,5,6E. RC3 Significant as a moulting and staging area for drought displaced waterfowl (Verbiwski 1980). During 1980 drought, Mowbray (1980) estimated 25,000 ducks moulted on the marshes. Mallards and male Wood ducks were the most frequently encountered moulting species. Staging is limited as suitable loafing sites are lacking (Verbiwski 1980). Schindler (1976) stated Redhead production was exceptionally high in 1960 and 1961. Total production estimate 12,300 breeding pairs (Townsend 1969). 1980 production estimate 635 broods (Mowbray 1980).

- GR Grebes 62I Netley Marshes . 15,16-4,5,6E. RC3 The avian species list includes 114 species sighting. Gulls, Terns and Western Grebes were the most common nesting species. Western grebe observations from 20 August to 23 September, 1980 include a total of 114 lone adults, 364 adults with young, and 435 young (Verbiwski 1980).
- 23 GR Western Grebe 62I Netley Marsh. SW 18-16-6E. RC3 Nesting Colony (Verbiwski 1986).
- 24 GR Western Grebe 62I Netley Marsh. SW 26-16-5E. RC4 Nesting colony (Verbiwski 1986).
- 25 GR Western Grebe 62I Netley Marsh . NW 29-16-5E. RC4 Nesting colony (Verbiwski 1986).
- SB Seabirds 62I Netley Marshes. 15,16-4,5,6E. RC3 Large concentrations of pelicans and double-crested cormorants are frequently encountered (Verbiwski 1986).
- SH Shorebirds 62I Netley Marsh. 15,16-4,5,6E. RC3 Important area for local shorebird production plus spring and fall staging. The most important areas for shorebirds are along the shores of Lake Winnipeg where favorable habitat and limited human activity are present (Holohan, personal communication).
- DI Surf Scoter 62I Netley Marsh. Exact location not known, not mapped. RC3 1 bird 8 October 1982. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DI Black Scoter 62I Netley-Libau. Exact location not known, not mapped. RC3 5 birds 17 October 1981. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DA Cinnamon Teal 62I Netley-Libau Marsh (2mi. N). Exact location not known, not mapped. RC3 1 adult male seen by J. Christie 6 October 1977. (Koes. R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- Number 26 is included in Important Site 9.
- 27 CN Colonial Nesters 62I Parisian Lake, Netley Marsh. 50°22'N 96°45'W. RC3 400 EAGR, 50 WEGR, 400 FRGU, 375 FOTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

9 Oak Hammock Marsh

71 species of birds are proven to breed in the area, and 46 species are suspected of breeding, Gardner (1981).

- AQ Black-Necked Stilt 62I Oak Hammock. 3,4-14-3E. RC3 1
bird 21 October 1978 seen on mud flats, photos taken.
(Koes, R. Update of the unpub. rep., Manitoba Rare Birds
Volume, 1985).
- AQ Yellow Rail 62I Oak Hammock Marsh. 3,4-14-3E. RC3 1
bird 29 May 1976 seen by G. Holland and G. Grieff.
(Koes, R. Update of the unpub. rep., Manitoba Rare Birds
Volume, 1985).
- 26 CN Colonial Nesters 62I Oak Hammock Marsh. 50°09'N 97°07'W.
RC3 25 EAGR, 5 WEGR, 10 BCNH, 2000 FAGU, 6 HAGU, 15
FOTE. Nest estimates for multiple species colony obtained
by Aerial survey and/or ground counts South of 54°N.
Koonz and Rakowski (1985).
This marsh's importance ranked 89th in Canada with an
overall score of 22.5 and a biological score of 13.5,
Rakowski (1985).
- DA Cinnamon Teal 62I Oak Hammock Marsh, center cell. 3,4-
14-3E. RC3 One adult male 7 May 1977, R.F. Koes and
others. Update of the unpub. rep., Manitoba Rare Birds
Volume, produced in 1985 by R. F. Koes.
- DA Cinnamon Teal 62I Oak Hammock Marsh, center cell . 3,4-
14-3E. RC3 One adult male 10 May 1981, R.F. Koes and
others, and G.Grieff. Update of the unpub. rep.,
Manitoba Rare Birds Volume, produced in 1985 by R. F.
Koes.
- DD Ducks and Geese 62I Oak Hammock. 3,4-14-3E. RC3
Breeding - ducks, 5-10,000 production annually. Important
breeding area for non-game waterfowl. Moulting - area for
dabbling ducks. Staging (fall) - 20,000-40,000 mallards
and pintails (staging early), 3000-5000 other species.
Geese, 75-300,000, (Canada geese 50-200,000, Snows 25-
100,000). Spring staging - fewer geese for short periods
of time. (Gillespie and Whaley pers. comm.)
- DD Ducks, Geese 62I Oak Hammock Marsh. 3,4-14-3E. RC2
Important duck moulting, staging and production site.
Important goose staging site. Adams (1983).
- DD Oldsquaw 62I Oak Hammock, SSW of N mound. 3,4-14-3E. RC3
Female 13 May, 1978. G. Grieff, G. Holland, and I.
Ward. Update of the unpub. rep., Manitoba Rare Birds
Volume, produced in 1985 by R. F. Koes.

- PC Chestnut-collared Longspur 62I Oak Hammock Marsh. 3,4-14-3E. RC1 2 nests found on heavily grazed pasture in 1971. One held 4 eggs on May 26, and 4 young on May 30; the other held 2 eggs and hatched 2 young. Location not known, Gardner (1981).
- RA Ferruginous Hawk 62I Oak Hammock Marsh, along Wavey Creek at north end. 3,4-14-3E. RC3 One immature. 26 Aug., 1984, R.F. Koes. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- RA Prairie Falcon 62I Oak Hammock Marsh. 3,4-14-3E. RC3 1 bird 10 September 1977; 1 bird observed 12 August 1978. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- SH Curlew Sandpiper 62I Oak Hammock Marsh. 4-14-3E. RC3 One Sighting at marsh on 1 June 1981, McRaey (1986).
- SH Curlew Sandpiper 62I Oak Hammock Marsh. 3,4-14-3E. RC3 1 June 1981 sighting by Holohan and J. Christie. Adult in full summer plumage, Holohan (1983).
- SH Piping Plover 62I Oak Hammock Marsh. 14-3E. RC4 3 adult migrants during 4 censuses in June, 1986, Haig (1986).
- SH Shorebirds 62I Oak Hammock Marsh. 3,4-14-3E. RC3 This marsh has been restored and is run by the Manitoba Government as a Nature Reserve and Wildlife Management area. Most shorebirds occur in the 1953 hectares of cattail (*Typha* spp) marsh and are usually concentrated in 150 hectare area of the north cell, except when the cell is on "Draw Down". Because the habitat is managed artificially shorebird number at peak migration can vary from 12,000 to 100. The rapid growth of vegetation in early June limits mud flats available, therefore southward shorebird numbers are lower than northward migration numbers (Holohan, personal communication). Total individuals recorded during northward migration from 73 counts from 24 March to 20 June 1980-1986. Lesser Yellowlegs 5306; Wilson's Phalarope 3396, nesting on marsh; Hudsonian Godwit 2113; American Avocet 1158, nesting on marsh; Marbled Godwit 978, nesting on marsh; Willet 222, nesting on marsh; Greater Yellowlegs 163; Upland Sandpiper 110, nesting in area; Spotted Sandpiper 75, nesting in area; Common Snipe 45, nesting in area; Piping Plover 8, nesting on Shoal Lakes; Buff-Breasted Sandpiper 4; Ruff 1; Curlew Sandpiper 1; Whimbrel 1. Total individuals recorded during southward migration from 67 counts from 21 June to 2 November 1980-1986. Lesser Yellowlegs 14343; Greater Yellowlegs 1912; Wilson's Phalarope 1511; Marbled Godwit 751; American Avocet 532;

Common Snipe 137; Willet 118; Upland Sandpiper; Buff-Breasted Sandpiper; Spotted Sandpiper; Solitary Sandpiper 46; Hudsonian Godwit 12; Piping Plover 5 (Holohan, personal communication).

- DA Brant 62I Oak Hammock Marsh. 3,4-14-3E. RC3 2 birds 8 May 1977; 1 bird 10 May 1977. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- SH Ruff 62I Oak Hammock Marsh, Center cell near parking lot. 3,4-14-3E. RC3 One adult male 1 May, 1983, R.F. Koes. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- SH Ruff 62I Oak Hammock Marsh. 3,4-14-3E. RC3 Adult male present from 1 to 6 May, 1983, photographed by P. Taylor and seen by many others (R. Koes, pers. comm.). Also in 5 July, 1984, 1 female observed by J. Dunn and J. Brandt, Gollop (1984).
- WA Cattle Egret 62I Oak Hammock Marsh. 3,4-14-3E. RC3 21 May-3; 24 August-7 (max. no. for season); 18 September-1, 1979. 4 May-1 adult, 1980; 24 May-1, 1982; 24 May-1 adult, 1983. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Cattle Egret 62I Oak Hammock Marsh. 3,4-14-3E. RC3 A gradual build-up in numbers was reported: 3 June-1; 4 June -1; 7 July-2 adults; 12 August-7; 26 August-24; 6 September-31 (14 or 15 adults, rest immature) 1978. Last seen on 30 September-10+, 1978, m.ob., many photos. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Cattle Egret 62I Oak Hammock Marsh. 3,4-14-3E. RC3 One bird observed by m.ob. 28 May to 10 September 1977. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Cattle Egret 62I Oak Hammock Marsh. 3,4-14-3E. RC3 One immature bird observed by m.ob. on 7 July - 2 August 1976. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Cattle Egret 62I Oak Hammock Marsh. 3,4-14-3E. RC3 One immature bird observed by Knapton and Koes. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DA Cinnamon Teal 62I Oak Hammock Marsh. 3,4-14-3E. RC3 1 adult male in association with female teal 10-7 May 1981. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

- WA Green-backed Heron 62I Oak Hammock Marsh. 3,4-14-3E. RC3
1 adult seen by R. Koes 25 May 1977. (Koes, R. Update
of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Little Blue Heron 62I Oak Hammock Marsh. 3,4-14-3E. RC3
One immature bird observed 6 October, 18 October, 3
November 1976 by G. Graham, K. Gardner, m.ob. (Koes, R.
Update of the unpub. rep., Manitoba Rare Birds Volume,
1985).
- WA Louisiana Heron 62I Oak Hammock Marsh. 3,4-14-3E. RC3
One Bird seen by M. Siepmann 2 June 1976. Probably same
bird seen by G. Graham 3 June 1976. Same Location.
(Koes, R. Update of the unpub. rep., Manitoba Rare Birds
Volume, 1985).
- WA Louisiana Heron 62I Oak Hammock Marsh. 3,4-14-3E. RC3
One bird seen by B. Verbiwski on 29 May 1976. (Koes, R.
Update of the unpub. rep., Manitoba Rare Birds Volume,
1985).
- WA Louisiana Heron 62I Oak Hammock Marsh, near parking lot
and main mound. 3,4-14-3E. RC3 One adult seen by R.F.
Koes on 3 May 1981. Update of the unpub. rep., Manitoba
Rare Birds Volume, produced in 1985 by R. F. Koes.
- WA Louisiana Heron 62I Oak Hammock Marsh (north end). 3,4-
14-3E. RC3 One bird seen by G. Grief on 19 May/80, 23
May 1980 by R.F. Koes. Update of the unpub. rep.,
Manitoba Rare Birds Volume, produced in 1985 by R. F.
Koes.
- DI Oldsquaw 62I Oak Hammock Marsh. 3,4-14-3E. RC3 1
female 13 May 1978. (Koes, R. Update of the unpub.
rep., Manitoba Rare Birds Volume, 198
- WA Snowy Egret 62I Oak Hammock Marsh. 3,4-14-3E. RC3 One
bird seen on 5 May 1982 by T. Jasper. American Birds
36(5):864 and (Koes, R. Update of the unpub. rep.,
Manitoba Rare Birds Volume, 1985).
- WA Snowy Egret 62I Oak Hammock Marsh. 3,4-14-3E. RC3 One
bird observed by J. Christie, m.ob., on 21 May to end of
May 1980 (Gardner 1980) and (Koes, R. Update of the
unpub. rep., Manitoba Rare Birds Volume, 1985).
- DI Surf Scoter 62I Oak Hammock . 3,4-14-3E. RC3 2 females
or immature 22 October 1977; 1 female or immature 17
October 1980. (Koes, R. Update of the unpub. rep.,
Manitoba Rare Birds Volume, 1985).

WA White-faced Ibis 62I Oak Hammock Marsh. 3,4-14-3E. RC3
1 bird 26 May 1975. 1 adult 6 August 1977 (believed to be
Glossy Ibis). (Koes, R. Update of the unpub. rep.,
Manitoba Rare Birds Volume, 1985).

WA Yellow-crowned Night Heron 62I Oak Hammock Marsh. 3,4-
14-3E. RC3 22 May 1965-1; July 1977-1 adult; 24-25
August-1 immature; 14-17 May 1978-1 adult; 7 August to 9
September 1978-1 immature m.ob. (Koes, R. Update of the
unpub. rep., Manitoba Rare Birds Volume, 1985).

10 Otter Lake

DD Ducks 62I Otter Lake. 23-3W. RC2 Important duck
staging area. Adams (1983).

DD Ducks and Geese 62I Otter Lake . 23-3W. RC3 Important
fall Staging area for geese, 1500-2000; ducks, 2,000-5,000
mallards and scaup. (Gillespie and Whaley pers. comm.).

11 Sandy Bar

28 CN Colonial Nesters 62I Sandy Bar. 50°59'N 96°55'W. RC3
50 RBGU, 25 COTE, FOTE present. Nest estimates for
multiple species colony obtained by Aerial survey and/or
ground counts South of 54°N. Koonz and Rakowski (1985).

12 Shoal Lakes

29 CN Colonial Nesters 62I North Shoal Lake. 50°30'N 97°37'W.
RC3 500 EAGR; 400 WEGR, 6 BCNH. Nest estimates for
multiple species colony obtained by Aerial survey and/or
ground counts South of 54°N. Koonz and Rakowski (1985).

30 CN Colonial Nesters 62I East Shoal Lake. 50°22'N 97°36'W.
RC3 1247 AWPE, 104 DCCO, 232 HEGU, 50 COTE. Nest
estimates for multiple species colony obtained by Aerial
survey and/or ground counts South of 54°N. Koonz and
Rakowski (1985).

This lake's importance ranked 90th in Canada with an
overall score of 22.5 and a biological score of 13.5,
Rakowski (1985).

31 CN Colonial Nesters 62I West Shoal Lake. 50°20'N 97°40'W.
RC3 19 AWPE, 30 breeding AWPE, Sidle, Koonz and Roney
(1985). 152 DCCO, 8 RBGU, 20 COTE. Nest estimates for
multiple species colony obtained by Aerial survey and/or
ground counts South of 54°N. Koonz and Rakowski (1985).

GR Western Grebe 62I West Shoal Lake. 50°20'N 97°41'W. RC1
3 eggs seen in nest in Scirpus marsh (June 27/64) by G.
Smith. Prairie Nest Records Scheme Cards.s.

- PC Baird's Sparrow 62I West Shoal Lake. 16-2W. RC1 3 young observed at nest on July 22/61 by G. Smith. Nest site not accurate. Prairie Nest Records Scheme Cards.
- SH Piping Plover 62I West Shoal Lake. 16-1W. RC4 37 adults and 31 chicks observed during June high water, Haig (1986).
- DD Ducks, Geese 62I Shoal Lakes. 15,16,17,18-1,2E. RC2 Important duck production and duck and goose moulting and staging area. Adams (1983).
- DD Ducks and Geese 62I Shoal Lakes. 15,16,17,18-1,2E. RC3 West Shoal lake is a refuge and most birds use this area. Area is important for breeding Giant Canada Geese, 25-30pr; and moderately important for dabbling ducks. Important moulting area for Canada Geese and various duck species. Important staging area for geese, 50-70,000; and ducks, 50000. (Gillespie and Whaley pers. comm.).
- PC Baird's Sparrow 62I Shoal Lakes. Location not known, not mapped. RC3 2 birds found in area that was checked by six observers from 18 May to 23 July, Ratcliff (1985).
- RA Merlin 62I Shoal Lake East, 1/2mi East. 16-1W. RC3 3 young, July 7/85. Prairie Nest Records Scheme Cards.
- SH Shorebirds 62I Shoal Lakes. 15,16,17,18-1,2E. RC3 Important area for local shorebird production plus spring and fall staging. Almost all birds recorded in a small 200 hectare area at the SW corner of West Shoal Lake. The total individuals for each species recorded below do not give an adequate idea of the shorebird potential in the area. Lesser Yellowlegs 961; Wilson's Phalarope 780, nesting on lake; American Avocet 167, nesting on lake; Piping Plover 133, nesting on lake; Upland Sandpiper 56, nesting by lake; Marbled Godwit 54, nesting by lake; Willet 43, nesting on lake; Greater Yellowlegs 42; Spotted Sandpiper 17, nesting in area; Common Snipe 6, nesting in area; Hudsonian Godwit 3; Solitary Sandpiper 1. A total of 13 counts were conducted by S. Holohan and J. Christie from 13 April to 5 October from 1984 to 1986 (Holohan personal communication).
- SB American White Pelican 62I East Shoal Lake. 50°22'N 97°36'W. 1935 nests and 3870 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).
- SH Piping Plover 62I East Shoal Lake. 16-1W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

13 Spruce Lake-Oak Lake

DD Ducks and Geese 62I Spruce Lake, Oak Lake. 33,34,35,36-21-3W; 1,2,4,5-22-3W. RC3 Breeding - Giant Canada Geese 5-10pr., very little duck production. Moulting - local production only. Staging - very little. (Gillespie and Whaley pers. comm.)

RA Red-Shouldered Hawk 62I Spruce Sands (North of Gimili). Exact location not known, not mapped. RC3 1 bird 27 March 1981. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

#134. SACR - sandhill crane nesting - (1 Y) - (Eskowich 1985).
spring, 1985.

14 Oak Island Marsh

DD Ducks and Geese 62I Oak Island Marsh. 21-2W. RC3 Breeding - Giant Canada Geese 10-15pr. primarily diver production for ducks, (low numbers) Moulting - local production only. Staging (Fall) - periodic concentrations of up to 1500 ducks and geese. (Gillespie and Whaley pers. comm.)

15 Stony Mountain

DD Ducks 62I Stony Mountain. 12,13,14,15,16-1,2,3E. RC2 Important duck production area. Adams (1983).

16 Victoria Beach

DA Harlequin Duck 62I Victoria Beach, north of pier. 9-20-7E. RC3 One female or immature bird Nov. 19, 1977, R.F. Koes, G. Grieff and others. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.

GR Red-Throated Loon 62I Victoria Beach -SSW of the Pier. 4-20-7E. RC3 Gordon Grieff and R. F. Koes had two separate sightings of the loon on 3 Nov. 1984. One bird sex and age unknown. Amer. Birds. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.

DI Black Scoter 62I Victoria Beach. Exact location not known, not mapped. RC3 3 birds 21 October 1978. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI Black Scoter 62I Victoria Beach. Exact location not known, not mapped. RC3 4 female or immature 12-19 November 1977. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI Surf Scoter 62I Victoria Beach. Exact location not known, not mapped. RC3 1 female or immature 13 November 1977; 1 immature male 19 November 1977; 1 bird 9 October 1978. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

17 Willow Beach

DD Ducks and Geese 62I Willow Point. 18,19-4E. RC3 Relatively little waterfowl production, minimal moulting use. Periodic staging of 2,000 to 4,000 geese in the fall and 500-1500 ducks, mostly Mallards and Scaup. (Gillespie and Whaley pers. comm.)

32 GR Western Grebe 62I Willow Point (west of), Lake Winnipeg. 50°35'N 96°59'W. RC3 200 nests estimated, Koonz and Rakowski (1985).

18 Seven Sisters

DI Black Scoter 62I Seven Sisters. Exact location not known, not mapped. RC3 2 birds 15-20 October 1978. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI Oldsquaw 62I Seven Sisters. Exact location not known, not mapped. RC3 1 bird 4 July, 1981; 1 bird 1 November 1981. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI Oldsquaw 62I Seven Sisters. Exact location not known, not mapped. RC3 2 birds 18-22 May 1979, P. Taylor. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI Surf Scoter 62I Seven Sisters. Exact location not known, not mapped. RC3 1 adult male 11-22 May 1979; 5 female or immature 2-3 October 1982. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

WA Tricolored Heron 62I Natalie Lake (north side of), near Seven Sisters. 34,35-13-11E. One adult seen on 26 May, 1984, RF. Koes. American Birds 38(5): 926 Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.

19 Birds Hill Park

PC Summer Tanager 62I Birds Hill Park. 12-5E. 19-27 May 1984, One adult male, North of Birds Hill Prov. Park, G. and J. Lowden and others. Photographed, Purdy (1986).

RA Sharp-Shinned Hawk 62I Birds Hill Provincial Park. 12-5E. RC3. 3 young in nest 6 July, 1982. Site not accurate. Prairie Nest Records Scheme Cards.

WA Green Heron 62I Birds Hill Park. 2 birds seen 12 July 1980. Thought to be nesting but no nest found. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

20 Black River Delta

SH Piping Plover 62I Black River Delta. 17,18-21-9E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

21 Riverton

SH Piping Plover 62I Riverton. 27-22-4E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

Map Sheet 62J. Map References to Uncommon Indicator Birds

- 1 Whooping Crane 62J Amaranth. 50°36'N 98°44'W. 3 birds seen on Sept. 14, 1979, Boothroyd (1980).
- 2 Burrowing Owl 62J Birnie. NW 10-17-14W. One Pair observed in 1982 and 1983. Ratcliff (1986).
- 3 Great Blue Heron 62J Bjornason Island, west of. 50°57'N 98°~~47~~41'W. 20 nests estimated, Koonz and Rakowski (1985).
- 4 Coppers Hawk 62J Clarkleigh. NW31-18-4. 3 eggs, June 2/63. Site not accurate. Prairie Nest Records Scheme Cards.
- 5 Western Grebe 62J Ebb and Flow Lake. 50°58'N 98°51'W. 30 nests estimated, Koonz and Rakowski (1985).
- 6 Burrowing Owl 62J Kinosota, Lake Manitoba. SE 25-22-11W. Single adult observed in 1982, Ratcliff (1986).
- 7 Eared Grebe 62J Lake Mary. 50°43'N 99°06'W. 20 nests estimated, Koonz and Rakowski (1985).
- 8 Western Grebe 62J Largruth Area. 50°27'N 98°36'W. Colony of at least 50 nests all containing eggs, D. Sexton June. 8/82. Prairie Nest Records Scheme Cards.
- 9 Loggerhead Shrike 62J Laurier, main st.. 12-22-16W. 5 young in nest on June 16/71 seen by J. Saquett. Prairie Nest Records Scheme Cards.
- 10 Ring-Billed Gull 62J Lily Bay. 50°44'N 98°18'W. 100 nests estimated, Koonz and Rakowski (1985).
- 11 Mockingbird. 62J Onanole. 7-19-18W. Young birds were fledged from nest but report not confirmed during summer of 1973. Gardner (1974) Wild Wings. WPG, Tribune. 7 Sept.
- 12 American Woodcock 62J Riding Mountain National Park. NE31-~~19~~15W. Nest (abandoned) with 4 Fresh eggs found 1.6km (1mi) east of the East Gate of the Park, off P.R. 19 on 18 May 1983. This extends the known range 136km (85mi) northwest of previous most westerly nesting record (Reaburn, Manitoba Hen with brood, 24 May 1975 seen by E.F. Bossenmaier). Nero (1986).
- 13 Whooping Crane 62J Waldersee. 50°^{35'}~~30~~40'N 98°58'W. 1 bird seen on April 17, 1976, Boothroyd (1980).

Map Sheet 62J Important Sites

1 Big Point

- DD Ducks, Geese 62J Big Point. 16,17-8,9W. RC2 Important duck and goose staging area. Adams (1983).
- SH Piping Plover 62J Big Point. 16-8W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

2 Big Grass Marsh

- DD Ducks, Geese 62J Big Grass Marsh. 15,16,17,-10,11W. RC2 Important duck production, moulting and staging site. Important goose staging site. Adams (1983).
This marsh's importance ranked 47th in Canada with an overall score of 29.0 and a biological score of 15.0, Rakowski (1985).
- DD, CN Waterfowl, Colonial Nesters 62J Big Grass Marsh. 1,2,11,12(etc.)-17-11W. RC3 Significant waterfowl staging. Reported Franklin Gull colony, likely important for several nesting colonies of grebes. (Clayton D. pers. comm.).
- WA Glossy Ibis 62J Langruth (Big Grass Marsh). Exact location not known, not mapped. RC2 1 bird seen by S. McAuley, m.ob. on 18 May 1972. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

3 Clandeboye, St. Ambroise

- 14 SH Piping Plover 62J Clandeboye. 5-15-5W. RC3 4 to 6 birds seen, 2 nests located in high disturbance area, 1 June, 1986, Haig (1986).
- AQ Black-Necked Stilt 62G St. Ambroise. Exact location not known, not mapped. RC2 1 bird 10 August 1969. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- AQ Eskimo Curlew 62G St. Ambroise. Exact location not known, not mapped. RC3 1 bird 1-21 May 1980 seen by D. Hatch. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

- 15 PC Rock Wren 62J Lake Manitoba, east side of channel to Clandeboy Bay. SE 5-15-5W. 21 May, 1984, one adult, R.F. Koes, many observers. Update of the unpub. rep., Manitoba Rare Birds Volume, produced in 1985 by R. F. Koes.
- 16 CN Colonial Nesters 62J St. Ambroise. 50°18'N 98°05'W. RC3 900 RBGU, 500 FOTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
- 17 SB Forster's Tern 62J St. Ambroise (West of). 50°16'N 98°04'W. RC3 125 nests estimated, Koonz and Rakowski (1985).
- DI Black Scoter 62J St. Ambroise. Exact location not known, not mapped. RC3 3 birds 8 October 1979. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DA European Widgeon 62J St. Ambroise Beach. Exact location not known, not mapped. RC2 2 males, 1 female seen by H. Loyd and Iain Tait 13 May 1970. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Garganey 62J St. Ambroise. Exact location not known, not mapped. RC3 1 adult male seen by R. Koes 23 May 1971. Photos taken by V. Scott. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DI Oldsquaw 62J St. Ambroise. Exact location not known, not mapped. RC3 2 birds 18 May 1982. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DI Surf Scoter 62J St. Ambroise. Exact location not known, not mapped. RC3 3 birds 7 October 1978. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA White-faced Ibis 62J St. Ambroise Beach. Exact location not known, not mapped. RC3 1 adult male 18 May 1975. 1 adult 31 May 1975. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

4 Cordova Plain

- DD Ducks 62J Cordova Plain. 13-17W. RC2 Important duck production area. Adams (1983).

5 Delta Marsh

A total of 285 species of birds have been recorded in the marsh area (21853 hectares), of which 37 are of accidental occurrence and one, the Greater Prairie Chicken has been extirpated, (Cuthbert and Jones, Birds of the Delta Region).

- DD Ducks, Geese 62J Delta Marsh. 14-5,6,7,8W. RC2 Important duck and goose production, moulting and staging area. Adams (1983).
- DD Trumpeter Swan 62J Delta Marsh. Exact location not known, not mapped. RC3 5 birds observed 25 and 27 May 1981. Status of species not clear as some birds were released from Delta in early 1970's. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- GA Greater Prairie Chicken 62J Delta Marsh Area. Location not mapped. RC1 Considered common in Area until 1950's According to comments on tentative Manitoba check-List by H.A. Hockbaum in Man. Mus. File.
- DI Black Scoter 62J Delta (Hunters Point). Exact location not known, not mapped. RC3 1 bird 8 October 1980; 1 bird 6 October 1982. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DI Black Scoter 62J Delta Marsh. Exact location not known, not mapped. RC3 1 bird 25 September 1979; 5 October 1979. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Little Blue Heron 62J Delta Marsh. Exact location not known, not mapped. RC3 One bird observed 13-19 August 1976 by R. Staniforth, S. Sealy, m.ob. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DI Oldsquaw 62J Delta Marsh. Exact location not known, not mapped. RC3 4 birds 8 October 1979. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Ross' Goose 62J Delta and Portage La Prairie Area. Exact location not known, not mapped. RC3 17 birds observed by C. Cuthbert 2 May 1980. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- DI Surf Scoter 62J Delta Marsh. Exact location not known, not mapped. RC3 1 bird 8 October 1978; 1 immature 11 October 1979; 1 female 7 November 1979; 1 bird 12 October 1982. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

- DI Oldsquaw 62J Portage la Prairie. Exact location not known, not mapped. RC3 1 bird 17 April 1977. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- AQ Black-Necked Stilt 62G Delta Marsh. Exact location not known, not mapped. RC3 1 bird 10 June 1980 seen by G. Lapointe and C. Cuthbert; 1 bird 17 April 1981 seen by H. Murkin. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- RA Prairie Falcon 62G Delta Marsh (7 miles East near St. Ambroise). Exact location not known, not mapped. RC3 2 birds 13 August 1978 seen by C. Cuthbert. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- AQ Yellow Rail 62G Delta-Portage la Prairie Area. Exact location not known, not mapped. RC3 1 bird 2 May 1978. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- WA Surf Scoter 62G Portage la Prairie. Exact location not known, not mapped. RC3 1 bird 8 October 1979; 2 adult 1 immature 9 October 1979. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).
- 16 GR Western Grebe 62J Delta Marsh. 50°12'N 98°14'W. 1000 nests estimated, Koonz and Rakowski (1985).
- 18 PC Summer Tanager 62J Delta Marsh. 13-14-7W. 14-15 June 1983, one banded individual, by S. G. Sealy, Purdy (1986).
- 18 WA Least Bittern 62J Delta Village, Delta Marsh. 13-14-7W. First located on 9 June 1949 by Petter Ward and later varified. Nest destroyed by flooding. Eggs collected (4 incubated eggs.) Nest in Phragmites 10 inches from open water from Sutton notes in Man. Mus. of Man and Nat. Location not exact.
- 19 SB Forster's Tern 62J Delta Beach (SW of). 50°10'N 98°19'W. 15 nests estimated, Koonz and Rakowski (1985).
- SB Forster's Tern 62J Delta Marsh. 50°10'N 98°20'W. 150 nests estimated, Koonz and Rakowski (1985).
- 20 SB Forster's Tern 62J Simpson Bay. 50°11'N 98°15'W. 25 nests estimated, Koonz and Rakowski (1985).

6 Duck Island, Lake Manitoba

H E G U

- 21 CN Colonial Nesters 62J Duck Island, Lake Manitoba. 50°52'N 98°38'W. RC3 50 AWPE, 55 DCCO, 10 HAGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
- 22 CN Colonial Nester 62J Duck Island (West of). 50°52'N 98°39'W. RC3 35 AWPE, 60 DCCO. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
- 23 CN Colonial Nesters 62J Duck Island (SW of). 50°49'N 98°37'W. RC3 1050 AWPE, 2481 DCCO, 12 BCNH, 2800 RBGU, 12 HAGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
- SB American White Pelican 62J Duck Island, Lake Manitoba. 50°49'N 98°37'W. RC3 2357 nests and 4714 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).
- 24 CN Colonial Nesters 62J Duck Island (west of), Lake Manitoba. 50°53'N 98°39'W. RC3 300 RBGU, 450 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
This Island's importance ranked 18th in Canada with an overall score of 35.0, and a biological score of 21.0, Rakowski (1985).
- 25 GR Double Crested Cormorant 62J Duck Island, south. 50°49'N 98°36'W. RC3 117 nests estimated, Koonz and Rakowski (1985).
- 26 SB Ring-billed Gull 62J Duck Island, south of. 50°49'N 98°38'W. RC3 9 nests estimated, Koonz and Rakowski (1985).

7 Erickson Hills

- DD Ducks 62J Erickson Hills. 17-18W. RC3 Important duck production area, mainly Canvasback and Redheads. Important moulting area for Scaup and Ring-necks. Adams (1983).

Lake Francis (See 62 I No. 6).

- 27 CN Colonial Nesters 62J Lake Francis. 50°17'N 98°00'W. RC3 FRGU, RBGU, and COTE colony. Rakowski and Koonz (1982)

9 Marshy Point

- 28 CN Colonial Nesters 62J Marshy Point. 50°32'N 98°07'W. RC3
275 FRGU, 10 HEGU. Nest estimates for multiple species
colony obtained by Aerial survey and/or ground counts
South of 54°N. Koonz and Rakowski (1985).
This area's importance ranked 47th in Canada with an
overall score of 29.0 and a biological score of 20.0,
Rakowski (1985).
- DD Ducks, Geese 62J Marshy Point. 18-5W. RC2 Important
duck and goose staging site. Adams (1983).
- DD Ducks and Geese 62J Marshy Point. 18-5W. RC3 Giant
Canada Goose area for breeding, moulting, and staging.
Fall Canada Geese average 30-40,000, sometimes exceed
60,000. Some staging of ducks. (Gillespie and Whaley
pers. comm.)
- 29 GR Western Grebe 62J Marshy Point. 50°33'N 98°06'W. RC3
2400 nests estimated, Koonz and Rakowski (1985).
- 30 WA Black Crowned Night Heron 62J Marshy Point. 50°34'N
98°07'W. RC3 250 nests estimated, Koonz and Rakowski
(1985).
- 31 WA Great Blue Heron 62J Marshy Point. 50°33'N 98°07'W. RC3
20 nests estimated, Koonz and Rakowski (1985).

10 Minnedosa Plain, Pothole Region

- DD Ducks 62J Minnedosa Plain, Pothole Region. 15-17W. RC2
Important area for duck production. Dabs: blue-winged
teal, mallards, shovelers, Adams (1983). Divs:
canvasback, scaup, Anderson (personal communication).
This extensive area's importance ranked 19th in Canada
with an overall score of 35.0, and a biological score of
19.0, Rakowski (1985).
- 32 GR Eared Grebe 62J Minnedosa (South of). 50°10'N 99°47'W.
40 nests estimated, Koonz and Rakowski (1985).

11 Proven Marsh

- 35 CN Colonial Nesters 62J Proven Marsh (South of). 50°33'N
99°59'W. RC3 50 EAGR, 200 ^{FRGU} ~~FAGU~~. Nest estimates for
multiple species colony obtained by Aerial survey and/or
ground counts South of 54°N. Koonz and Rakowski (1985).

12 Robertson Marsh

DA Geese 62J Robertson Marsh. N1,S12-20-11W. RC3
Significant goose nesting. (Clayton D. pers. comm.).

13 Sandy Bay

DD Ducks 62J Sandy Bay. 16,17,18-8,9W. RC2 Important duck
production area. Adams (1983).

33 GR Western Grebe 62J Sandy Bay, south. 50°32'N 98°36'W. RC3
400 nests estimated, Koonz and Rakowski (1985).

SH Piping Plover 62J Marius. 18-9W. Potential Piping
Plover habitat as seen from aerial surveys in 1986. Haig
(1986).

14 Scotch Bay

34 CN Colonial Nesters 62J Scotch Bay (South of). 50°48'N
98°25'W. RC3 230 AWPE, 250 DCCO, 25 RBGU, 100 HAGU.
Nest estimates for multiple species colony obtained by
Aerial survey and/or ground counts South of 54°N. Koonz
and Rakowski (1985).

SB American White Pelican 62J Scotch Bay, Lake Manitoba.
50°48'n 98°25'W. RC3 456 nests and 912 breeding birds
observed. Ground counts and aerial surveys, Koonz (1987).

Map Sheet 62K. Map References to Uncommon Indicator Birds

- 1 Great Blue Heron 62K Baldy lake. 50°49'N 100°37'W. 35 nests estimated, Koonz and Rakowski (1985).
- 2 Baird's Sparrow 62K Birtle. 17-16-27W. 3 singing males on 3 May, and 21 singing male on 2 July holding territories, Ratcliff (1985).
- 3 Great Blue Heron 62K Creers Lake. 50°52'N 100°48'W. 27 nests estimated, Koonz and Rakowski (1985).
4. ~~Eared Grebe 62K Diamond Lake South 50°41'N, 101°07'W. site number 4 is an important site.~~
RC3. 100 nests estimated & Koonz and Rakowski (1985)
- 5 Burrowing Owl 62K Elkhorn. SW 29-12-27W. One pair observed in 1982, Ratcliff (1986).
- 6 Great Blue Heron 62K Horseshoe Lake. 50°56'N 101°01'W. 25 nests estimated, Koonz and Rakowski (1985).
- 7 Double Crested Cormorant 62K Jackfish Lake (South of). 50°28'N 100°05'W. 11 nests estimated, Koonz and Rakowski (1985).
- 8 Marbled Godwit 62K Lake 15, east side. SE15-17-20W. Marbled Godwits observed. (Clayton D. pers. comm.).
- 9 Shorebirds 62K No name; alkalai marshes, near Menzie. W1-18-23W. Wilson's Phalarope observed. (Clayton D. pers. comm.).
- 10 Shorebirds 62K Oak River (west of). N32-17-23W. Golden Plover observed. (Clayton D. pers. comm.).
- 11 Summer Tanager 62K Russel Manitoba, 5mi. E, 3mi. N,. 28-21-27W. 2 April 1986 sight record by Jim Purdy (1986).
- 12 Whooping Crane 62K Shoal Lake. 50°28'N 100°45'W. 8 birds seen on April 8, 1976, Boothroyd (1980).
- 13 ~~Grebes 62K St. Mary's Lake SE 26-20-27W. Eared and horned grebes observed in large numbers (Clayton D. pers. comm.)~~
Site number 13 is an important site.
- 14 Eared Grebes 62K Stacey's Slough. N27-18-24W. Eared grebe colony. (Clayton D. pers. comm.).
- 15 Great Blue Heron 62K Tamarisk Lake. 50°51'N 100°40'W. 6 nests estimated, Koonz and Rakowski (1985).
- 16 Common Tern 62K Whitewater Lake. 50°48'N 100°24'W. 55 nests estimated, Koonz and Rakowski (1985).
- 19 Colonial nesters 62K Proven Lake 11-18-19W. RC3. Ring-billed gull colony, B.C. Night Heron colony, Grebe colonies. Important staging - Black Terns (Clayton D. pers. comm.).

Map Sheet 62K Important Sites

1. Clear Lake

WA Barrow's Goldeneye 62K Clear Lake (Riding Mountain National Park). Exact location not known, not mapped. RC3 1 female 18 October 1977. (Koes, R. Update of the unpublished report, Manitoba Rare Birds Volume , 1985).

17 WA Great Blue Heron 62K Clear Lake. 50°43'N 100°03'W. RC3 17 nests estimated, Koönz and Rakowski (1985).

2. Phizackleas Lake

18 SH Shorebirds 62K Phizackleas Lake, NE end. NE 22-19-27W. RC3 Greater Yellowlegs and Wilson's Phalarope observed in large numbers. (Clayton D. pers. comm.).

4. Sandy Lake

DD Ducks 62K Sandy Lake. 18-20W. RC2 Important duck staging area. Adams (1983).

5. Shoal Lake

DD Ducks, Geese 62K Shoal Lake. 16, 17-23, 24W. RC2 Important duck and goose staging area. Adams (1983).

6. South Lake

20 CN Colonial Nesters 62K South Lake. 50°38'N 100°00'W. RC3 35 COTE, 35 FOTE. Map site could be 50°38'N 100°30'W. Nest estimates for multiple species colony obtained by aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

Map Sheet 62N. Map References to Uncommon Indicator Birds

- 1 Osprey 62N Duck Mountain Provincial Park. 16-29-26W. 1 young observed, July 14/71, by D. Hatch. Prairie Nest Records Scheme Cards.
- 2 Osprey 62N Elk Lake, Duck Mtn. Provincial Park. 6-30-24W. Nest contents not seen but believe eggs present, June 19/78. Prairie Nest Records Scheme Cards.
- 3 Whooping Crane 62N Ethelbert. 51°23'N 100°08'W. 5 birds seen on April 11, 1978, Boothroyd (1980).
- 4 Whooping Crane 62N Gilbert Plains. 51°13'N 100°29'W. 4 birds seen on May 18, 1977, Boothroyd (1980).
- 5 Common Tern 62N Laurie Lake. 51°33'N 101°06'W. 29 nests estimated, Koonz and Rakowski (1985).
- 6 Great Blue Heron 62N Shell Valley (SE of). 51°01'N 101°14'W. 10 nests estimated, Koonz and Rakowski (1985).
- 7 Baird's Sparrow 62N Valley River, NW of Dauphin. NW 12-26-20W. 1 singing male observed during 18 May to 23 July survey 1985, Ratcliff (1985).
- 8 Great Blue Heron 62N Valley River. 51°07'N 101°00'W. 25 nests estimated, Koonz and Rakowski (1985).

Eared Grebe 62N Patterson Lake (16km SE of Roblin). Location not known. 3 eggs in nest found on 22 July, 1981 by D. Sexton. Not mapped. Prairie Nest Records Scheme Cards.

Sharp-Shinned Hawk 62N Shell River Valley, Duck Mtn. Provincial Forest. Location Not Known. Adult seen near nest and 4 possible young, 25 July, 1978. Not mapped. Prairie Nest Records Scheme Cards.

Map Sheet 62N Important Sites

1 Bluewing Marsh

- CN Colonial Nesters 62N Bluewing Marsh. 2-24-27W. RC3
Pelican often use marsh. Great Blue Herons nest nearby.
(Clayton D. pers. comm.).
- 9 WA Great Blue Heron 62N Bluewing Lake. 51°03'N 101°10'W.
6 nests estimated, Koonz and Rakowski (1985).

2 Pleasant Valley Reservoir

- CN,DD Colonial Nesters, Waterfowl 62N Pleasant Valley
Reservoir. 11-24-27W. RC3 Pelican often seen here Black
Crowned Night Herons seen there (Surpested nesters) also
important staging area for Mallards, Canada Geese, and
Snow Geese. (Clayton D. pers. comm.).

3 Duck Mountain Slope

- DD Ducks 62N Duck Mountain Slope. 26-27W. RC2 Important
duck production area. Adams (1983).

4 Sagemace Bay

- DD Ducks & Goose 62N Sagemace Bay (L. Winnipegosis).
32,33,34-18,19W. RC2 Important duck moulting and staging
site, and goose staging site. Adams (1983).
- 10 SB Caspian Tern 62N Coleman Island, South. 51°55'N
100°03'W. 40 nests estimated, Koonz and Rakowski (1985).
- 11 RA Bald Eagle 62N Lake Winnipegosis. 51°50'N 100°04'W. 2
chicks in dead poplar on Island. July 6/84. Bald Eagle
nest survey by W. Koonz, Manitoba Dept. Nat. Resources,
1984.
- 12 RA Bald Eagle 62N Lake Winnipegosis. 51°56'N 100°08'W. 1
chick in live poplar on mainland. July 6/84. Bald Eagle
nest survey by W. Koonz, Manitoba Dept. Nat. Resources,
1984.
- 13 RA Great Blue Heron 62N Sugar Island. 51°52'N 100°03'W.
350 nests estimated, Koonz and Rakowski (1985).

5 Sarah Lake

RA, DA, Raptors, Geese 62N Sarah lake. N14-33-28W. RC3
Bald Eagle often spotted here. Also important staging
site for Canada Geese (Davies D. pers. comm.).

6 Shellmouth Reservoir

DD Ducks, Geese 62N Shellmouth Reservoir. 24,25,26-28,29W.
RC2 Important duck and goose staging area. Adams
(1983).

Map Sheet 620. Map References to Uncommon Indicator Birds

- 1 Sandhill Crane 620 Ashern. NE 27-25-5W. 1 young less than a week old with parents seen on 6 June, 1975 by C. Dixon. Prairie Nest Records Scheme Cards.
Sandhill Crane 620 Ashern, Mantagao Wildlife Area. Location not known, not mapped. 1 downy young with adults seen on 30 May, 1973 by C. Dixon. Prairie Nest Records Scheme Cards.
- 2 Loggerhead Shrike. 620 Dauphin. 7-25-17W. 4 young in nest in crotch of apple tree in town on 23 June, 1979 seen by B. Walley. Nest site not accurate. Prairie Nest Records Scheme Cards.
- 3 Whooping Crane 620 Dauphin Beach. 51°08'N 99°50'W. 2 birds seen on May 9, 1974, Boothroyd (1980).
- 4 Great Blue Heron 620 Elm Point, East of. 51°36'N 99°11'W. 100 nests estimated, Koonz and Rakowski (1985).
- 5 Piping Plover 620 Farmer's Point. 27-31-18W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 6 Great Blue Heron 620 Garden Island Area, Lake Manitoba. 51°36'N 99°07'W. 35 nests estimated, Koonz and Rakowski (1985).
- 7 Forster's Tern 620 Guynemer, North of. 51°24'N 99°07'W. 25 nests estimated, Koonz and Rakowski (1985).
- 8 Whooping Crane 620 Gypsumville. 51°47'N 98°38'W. 2 birds seen on April 11, 1978, Boothroyd (1980).
- 9 Sandhill 620 Hodgson. 36-30-7W. 1 young less than a week old at edge of bay with adults seen on June 26/75 by C. Dixon. Prairie Nest Records Scheme Cards.
- 10 Sandhill Crane 620 Hodgson. 8-31-6W. 2 eggs in nest on 6 June, 1975 seen by C. Dixon. Prairie Nest Records Scheme Cards.
- 11 Bald Eagle 620 Lake Manitoba. 51°06'N 98°49'W. 1 chick in live poplar on mainland. July 5/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 12 Bald Eagle 620 Lake Winnipegosis. 51°54'N 99°49'W. 2 chicks in live poplar on mainland. July 5/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

- 13 Bald Eagle 620 Lake Winnipegosis. 51°50'N 99°49'W. 2 chicks in live elm on Island. July 5/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 14 Bald Eagle 620 Lake Manitoba. 51°41'N 99°09'W. 1 chick in dead poplar on mainland. July 5/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 15 Bald Eagle 620 Lake Manitoba. 51°37'N 99°23'W. 3 chicks in live poplar on mainland. July 5/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 16 Bald Eagle 620 Lake Manitoba. 51°09'N 98°45'W. 2 chicks in dead poplar on mainland. July 5/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 17 American White Pelican 620 Lake Winnipegosis. 51°57'N 99°47'W. 1035 nest and 2070 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).
- 18 Piping Plover 620 Lawrence Lake. 30-30-16W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 19 Double Crested Cormorant 620 Little Sandy. 51°39'N 99°18'W. 20 nests estimated, Koonz and Rakowski (1985).
- 20 Piping Plover 620 Little Sandy Point. 12-31-14W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 21 Piping Plover 620 Meadowlands. 8-30-16W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 22 Herring Gull 620 Mire Lake. 51°50'N 99°15'W. 35 nests estimated, Koonz and Rakowski (1985).
- 23 Great Blue Heron 620 North Twin Island. 51°42'N 99°27'W. 100 Nests estimated, Koonz and Rakowski (1985).
- 24 Great Blue Heron 620 Ochre Beach (Dauphin Lake.). 51°07'N 99°46'W. 11 nests estimated, Koonz and Rakowski (1985).
- 25 Piping Plover 620 Proulx Lake. 9-33-13W. Three migrants observed on cobble shore, 15 September, 1986, Haig (1986).
- 26 Great Blue Heron 620 PT. Asham, SE of. 51°15'N 98°58'W. 25 nests estimated, Koonz and Rakowski (1985).
Double Crested Cormorant 620 Reykjavik Point (north of) 51°15'N 98°59'W. 30 nests estimated, Koonz and Rakowski (1985).

- 27 Seabirds 620 Salt Point, (S central). SE29-32-17W. Tern colony observed. (Clayton D. pers. comm.).
- 28 Piping Plover 620 Salt Point. 1-32-17W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

Double Crested Cormorant 620 Lake Winnipegosis. Location not known. 200 nest on island with many containing young found 6 July, 1984 by G. Fox. Not mapped. Prairie Nest Records Scheme Cards.

Map Sheet 620 Important Sites

1 Bachelors Island

- 29 CN Colonial Nesters 620 Bachelors Island, Lake Winnipegosis. 51°45'N 99°54'W. RC3 170 DCCO, 1700 RBGU, 8 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

2 Reykjavik Point

- DA, RA Raptors, Geese 620 Bluff. 24-25-11W. RC3 Important Goose nesting in area. Bald eagle occasionally spotted. (Clayton D. pers. comm.).
- RA Burrowing Owl 620 Bluff Harbour. SW 13-26-10W. RC3 Single adult observed in 1982, Ratcliff (1986).
- 46 SH Piping Plover 620 Bluff Harbor. 18-26-10W. RC3 Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- RA, DA Raptors, Geese 620 Lurrier. 18-26-10W. RC3 Important Goose nesting in area. Bald Eagle occasionally spotted. (Clayton D. pers. comm.).
- DD Ducks and Geese 620 Reykjavik Point . 26-10,11W. RC2 Important duck and goose staging area. Important goose production area. Adams (1983).

3 Dauphin Lake

- DD Ducks, Geese 620 Dauphin Lake. 25,26,27,28-16,17,18,W. RC2 Important ducks moulting and staging area. Important goose staging area. Adams (1983).
- DD Waterfowl 620 Dauphin lake. 36-24-17W. RC3 Important staging area for mallards, Canada Geese, Snow Geese, Swans. (Clayton D. pers. comm.).
- 30 SH Piping Plover 620 Dauphin Lake (Methley Beach). SW¹⁹21-25-15W. RC3 Piping Plovers observed. (Clayton D. pers. comm.).
- 31 SH Piping Plover 620 Dauphin Lake (Stoney Point). NW13-26-18W. RC3 Piping Plover observed (west along beach). (Clayton D. pers. comm.).

4 Dog Lake

32 CN Colonial Nesters 620 Dog Lake. 51°01'N 98°29'W. RC3
1000 AWPE, 50 DCCO, 50 GBHE, 3000 RBGU. Nest estimates
for multiple species colony obtained by Aerial survey
and/or ground counts South of 54°N. Koonz and Rakowski
(1985).

This area's importance ranked 50th in Canada with an
overall score of 28.5 and a biological score of 16.5,
Rakowski (1985).

DD Ducks, Geese 620 Dog Lake. 23,24,-7,8,9W. RC2
Important duck and goose production, moulting and staging
site. Adams (1983).

DD Ducks and Geese 620 Dog Lake. 23,24-7,8,9W. RC3
Breeding for Giant Canada Geese on islands, 30-50 pr.
duck production on islands. Moulting - mostly local 4-
5000 (ducks & geese). Staging (fall) - Canada Geese 5000-
10,000. (Gillespie and Whaley pers. comm.)

33 SB American White Pelican 620 Dog Lake. 51°02'N 98°30'W.
4600 nests and 9200 breeding birds observed. Ground
counts and aerial surveys, Koonz (1987).

5 Johnson Lake

DA, GR Geese, Grebes, Cormorants 620 Johnson Lake. 11,15-25-
11W. RC3 Important area for geese, cormorants, and
grebes. (Clayton D. pers. comm.).

6 Kristianson

WA, SH, DD Shorebirds, Waterfowl 620 Kristianson. 9-32-18W.
RC3 Avocets have nested here, good shorebird habitat,
very good duck use. (Clayton D. pers. comm.).

7 Lake Manitoba Narrows

DD Ducks, Geese 620 Lake Manitoba Narrows. 24-10W. RC2
Important ducks and goose staging area. Important goose
production area. Adams (1983).

8 Lake St. Martin

DD Ducks, Geese 620 Lake St. Martin. 29,30,31,32,33-
6,7,8,9W. RC2 Important duck moulting and staging area.
Important goose production, moulting and staging area.
Adams (1983).

- 34 WA Great Blue Heron 620 Sugar Island, Lake St. Martin.
51°42'N 98°25'W. 20 nests estimated, Koonz and Rakowski
(1985).
- 35 WA Great Blue Heron 620 Lake St. Martin, North Fisher
Island. 51°36'N 98°32'W. 20 nests estimated, Koonz and
Rakowski (1985).

9 Lonely Lake

- DD Ducks, Geese 620 Lonely Lake. 25-12W. RC2 Important
duck and goose staging area. Adams (1983).
- 36 SH Piping Plover 620 Lonely Lake. 17-25-12W. RC3
Potential Piping Plover habitat as seen from aerial
surveys in 1986. Haig (1986).
- 37 SH, DA Shorebirds, Geese 620 Lonely Lake. 10-25-12W. RC3
Piping plovers have been observed here. Also important
staging area for Canada Geese. (Clayton D. pers. comm.).

10 Long Island Bay

- DD Ducks 620 Long Island Bay, (L. Winnipegosis). 32,33-
16W. RC2 Important duck and goose staging area, mainly
Canvasback and Redheads. Important duck production area
in surrounding marshes. Adams (1983).
This bay's importance ranked 65th in Canada with an
overall score of 26.0 and a biological score of 16.0,
Rakowski (1985).
- 39 GR Western Grebe 620 Long Island Bay, east. 51°48'n
99°37'W. RC3 400 nests estimated, Koonz and Rakowski
(1985).
- 38 SH Shorebirds 620 Salt Flats, S end. SW6-33-16W. RC3
Wilson's Phalarope observed in large numbers, (Clayton D.
pers. comm.).
- SH, DD Shorebirds, Geese 620 Salt Flats. 6-33-16W. RC3
Piping Plovers been observed here. Good shorebird habitat
lots of duck use. (Clayton D. pers. comm.).

11 Methley Marshes

- DD Ducks, Geese 620 Methley Marshes. 25-15W. RC2
Important duck and goose staging site. Adams (1983).

12 Moosehorn Lake

DD Ducks and Geese 620 Moosehorn Lake. 25-8W. RC3 Breeding Giant Canada Geese, 25-35 pr.; moderate duck production. Moulting - local production. Staging (fall) - moderate mostly local birds early in season, 1000-1500 geese. (Gillespie and Whaley pers. comm.)

13 North Basin, Lake Manitoba

DA Geese 620 North Basin, Lake Manitoba. 31-14W. RC2 Area too extensive to map. Important goose production area. Adams (1983).

14 Peonan Point

- DD Ducks, Geese 620 Peonan Point. 27,28-11W. RC2 Important goose and duck staging area. Adams (1983).
- 40 RA Bald Eagle 620 Lake Manitoba. 51°22'N 98°56'W. 1 chick in live elm on mainland. July 5/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 41 SB American White Pelican 620 Lake Manitoba. 51°19'N 98°55'W. 9 nests and 18 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).
- 42 SH Piping Plover 620 Peonan Point. 27-11W. RC3 Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

15 Pinemuta Lake

- DD Ducks, Geese 620 Pinemuta Lake. 31-9W. RC2 Important staging area for ducks, and production area for geese. Adams (1983).
- 43 CN Colonial Nesters 620 Pinemuta Marsh. 51°40'N 98°41'W. RC3 20 EAGR, 75 FRGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
- DD Ducks and Geese 620 Pinemuta Marsh. 31-9W. RC3 Breeding - Giant Canada Geese, low #'s. ducks mostly mallards, low #'s. divers, low #'s. Moulting - Important duck moulting area, few geese. Staging (fall) - ducks, mallards 100-1500, divers 1000-1500. no info. on geese. (Gillespie and Whaley pers. comm.)

16 Portage Bay

DD Ducks, Geese 620 Portage Bay (L. Winnipegosis).. 31-10W. RC2 Important duck moulting and staging area, and goose staging area. Adams (1983).

17 Richard Point

44 CN Colonial Nesters 620 Richard Point. 51°09'N 98°44'W. RC3 200 DCCO, 2 GBHE, 1 BCNH, 1 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

18 Lake Winnipegosis, South

DA Geese 620 South Lake Winnipegosis. 30,31,32,33-16,17,18N. RC2 Important goose production area. Adams (1983).

19 Spence Lake

DD Ducks 620 Spence Lake. 29,30-16W. RC2 Important duck moulting and staging site. Adams (1983).

45 DD Waterfowl 620 Spence Lake. 23-30-16W. RC3 Important staging area for ducks and geese, (Clayton D. pers. comm.).

20 Twin Island

CN Colonial Nesters 620 Twin Island (South of S. Isl.). 51°38'N 99°28'W. RC3 466 DCCO, 33 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

21 Watchorn Bay

DD Ducks 620 Watchorn Bay, (L. Manitoba). 26-8,9W. RC2 Important ducks and goose staging area. Adams (1983).

22 Waterhen River

46CN Colonial Nesters 620 Waterhen River (mouth of), Lake Manitoba. 51°44'N 99°32'W. RC3 100 EAGR, 150 WEGR. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

Map Sheet 62P. Map References to Uncommon Indicator Birds

- 1 Herring Gull 62P Berry Island. 51°25'N 96°41'W. 10 nests estimated, Koonz and Rakowski (1985).
- 2 Bald Eagle 62P Black Island. 51°10'N 96°32'W. 3 chicks in live Spruce on mainland. May 31/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 3 Bald Eagle 62P Black Island. 51°15'N 96°25'W. Sat tight live poplar on mainland. May 31/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 4 Bald Eagle 62P Bloodvein Bay. 51°50'N 96°45'W. Sat tight dead poplar on mainland. June 12/84. Adults, but empty nest June 26/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 5 Ring-billed Gull 62P Deer Island, E side. 51°18'N 96°28'W. 100 nests estimated, Koonz and Rakowski (1985).
- 6 Piping Plover 62P Deer Island. 26-7E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 7 Piping Plover 62P Egg Island. 28-6E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986). Location not accurate.
- 8 Sandhill Crane 62P Fisherton. NE1/4-21-25-3W. 1 young with parents seen on 6 June, 1975 by C. Dixon. Prairie Nest Records Scheme Cards.
- 9 Piping Plover 62P Grindstone Park. 27-5E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 10 Bald Eagle 62P Hecla Island. 51°03'N 96°44'W. 2 chicks in live poplar on mainland. May 31/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 11 Great Blue Heron 62P Hecla Island, SE side. 51°03'N 96°43'W. 175 nests estimated, Koonz and Rakowski (1985).
- 12 Bald Eagle 62P Kjartanson Point. 51°08'N 96°45'W. 2 chicks in live poplar on mainland. May 31/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 13 Bald Eagle 62P Lake Winnipeg. 51°19'N 96°22'W. 2 chicks in live Spruce on island. June 12/84

- 14 American White Pelican 62P Lake Winnipeg, Between Cub and Jailer Is. 51°45'N 96°56'W. 64 nests and 128 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).
- 15 American White Pelican 62P Lake Winnipeg. Egg Is. 51°56'N 97°05'W. 264 nests and 428 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).
- 16 Great Blue Heron 62P Lake St. George. 51°38'N 97°25'W. 20 nests estimated, Koonz and Rakowski (1985).
- 17 Bald Eagle 62P Observation point. 51°05'N 96°26'W. 2 chicks in live J. pine on mainland. May 31/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 18 Piping Plover 62P Punk Island. 26-6E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Location may not be accurate, Haig (1986).

Map Sheet 62P Important Sites

1 Fisher Bay

DD Ducks and Geese 62P Fisher Bay. 28,29-2E. RC3 Breeding - Sandhill Cranes low numbers, Giant Canada Geese 10-15pr. Divers, dabblers low numbers. Moulting - local birds. Staging (fall)- geese, 1500-2000, ducks, 500-800. (Gillespie and Whaley pers. comm.)

2 Hecla Island North

19 CN Colonial Nesters 62P Hecla Island (NW side). 51°10'N 96°44'W. RC3 187 DCCO, 37 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

3 Hecla-Riverton Marshes

GR Western Grebe 62P Hecla Island causeway. 51°06'N 96°43'W. RC2 Location could be incorrect. 40 nests or more in marsh beside causeway, K. Porteous, June 7/75. Prairie Nest Records Scheme Cards.

20 RA Bald Eagle 62P Hecla Island Causeway. 17-24-5E?. RC3 Possible nest site found on 19 May, 1986. Site not exact. Prairie Nest Records Scheme Cards.

21 SH Piping Plover 62P Hecla Island. 28-23-5E. RC3 Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

DD Ducks, Geese 62P Riverton-Hecla Marshes. 23-4E. RC2 Important duck staging and moulting area. Important goose staging and production area. Adams (1983).

DD Ducks and Geese 62P Riverton-Hecla Marshes . 23-4E. RC3 Important area for Giant Canada Goose production, 75-100 pairs. Limited duck production. Important moulting area for Giant Canada Geese, 200-300 birds. Important area for fall staging of geese, 10-15000; Cranes, 500; and ducks, mostly mallards in the low 100's. (Gillespie and Whaley pers. comm.)

4 Lee Lake

DD Duck and Geese 62P Lee Lake. 23,26,25,35-25-1E. RC3
Breeding - Giant Canada Goose, moderate production. Duck
production minimal for divers. Moulting - minimal locals.
Staging (fall) - 15,000-20,000 Canada Geese. (Gillespie
and Whaley pers. comm.)

5 Pipestone Rock

22 CN Colonial Nesters 62P Pipestone Rock. 51°23'N 96°32'W.
RC3 1500 AWPE, 500 DCCO, 1000 RBGU, 300 HEGU. Nest
estimates for multiple species colony obtained by Aerial
survey and/or ground counts South of 54°N. Koonz and
Rakowski (1985).

This island's importance ranked 39th in Canada with an
overall score of 31.0 and a biological score of 17.0,
Rakowski (1985).

SB American White Pelican 62P Pipestone Rocks, Lake
Winnipeg. 51°23'N 96°32'W. 2257 nests and 4514 breeding
birds observed. Ground counts and aerial surveys, Koonz
(1987).

6 Roy Lake

DD Ducks and Geese 62P Roy Lake. 11,14-25-2W. RC3 Staging
area (fall) - 5000-10,000 geese. 2000-3000 ducks.
(Gillespie and Whaley pers. comm.)

7 Sleeve Lake

DD Ducks, Geese 62P Sleeve Lake. 24-4W. RC2 Important
duck and goose staging area. Important goose production
area. Adams (1983).

DD Ducks and Geese 62P Sleeve Lake, Partly a refuge. 24-4E.
RC3 Breeding - Giant Canada Geese, 20-30 pr., limited
duck production. Moulting - local production only.
Staging - Important for Canada geese, 4-6000; ducks -
dabblers 500-1000. (Gillespie and Whaley pers. comm.)

8 St. Lakes

DD Ducks and Geese 62P St. Lakes (St. David, St. George,
St. Andrew, St. Patrick, St. Michael and Jackhead Lake.
31,32-1E. RC3 Breeding - Giant Canada Geese in low
densities, 10-20pr. ducks in low densities. Moulting -
local production only 1000 ducks. Staging (fall) - large
concentration of diving ducks mostly scaup, redhead, 5000-
8000. (Gillespie and Whaley pers. comm.)

9 Sturgeon Bay

DD Ducks and Geese 62P Strugeon Bay. 33,34-3W. RC3
Breeding - Giant Canada Geese, 5-10 prs. Moulting -
divers, 500. Staging (fall) - Canada Geese, 500,
divers, 1000. (Gillespie and Whaley pers. comm.)

10 Washow Bay

DD Ducks, Geese 62P Washow Bay (Lake Winnipeg). 25,26-4,5E.
RC2 Important duck and goose staging area. Adams
(1983).

DD Ducks and Geese 62P Washow Bay. 25,26-45E. RC3 Breeding
- minimal. Moulting - minimal. Staging (fall) - 2-5000
geese, 500 cranes. (Gillespie and Whaley pers. comm.)

Map Sheet 63A. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 63A Big Stone Point. 52°46'N 97°21'W. 2 chicks in live poplar on mainland. June 26/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 2 Great Blue Heron 63A Eardley Lake. 52°34'N 96°04'W. 50 nests estimated, Koonz and Rakowski (1985).
- 3 Great Blue Heron 63A Head Leaf Lake. 52°36'N 96°26'W. 20 Nests estimated, Koonz and Rakowski (1985).
- 4 Double Crested Cormorant 63A Little George Island. 52°51'N 97°47'W. 150 nests estimated, Koonz and Rakowski (1985).
- 5 Great Blue Heron 63A Many Bays Lake. 52°46'N 97°01'W. 20 nests estimated, Koonz and Rakowski (1985).
- 6 Great Blue Heron 63A Pigeon River. 52°09'N 96°55'W. 20 nests estimated, Koonz and Rakowski (1985).
- 7 Bald Eagle 63A Round Lake. 52°01'N 96°23'W. Sat tight live J. Pine on island. June 12/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 8 Piping Plover 63A Stoney Point. 35-1E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 9 Bonaparte's Gull 63A Sturgeon Falls. 52°06'N 96°48'W. Colony on small lake just west of Sturgeon Falls. Aerial survey done May & June 1983 - 1985 while looking for Bald Eagle nests. No sites visited on the ground but presence of adults which did not depart at approach of low-flying aircraft suggests the probability of breeding birds, Koonz (1986).
- 10 Bald Eagle 63A Tortue Lake. 52°10'N 96°02'W. 1 chick in live Spruce on island. June 26/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 11 Piping Plover 63A Wicked Point. 35-1E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

Map Sheet 63A Important Sites

1 Bush Keg Island

- 12 SB Common Tern 63A Bush Keg Island. 52°12'N 97°46'W. RC3
40 nests estimated, Koonz and Rakowski (1985).
- 13 CN Colonial Nesters 63A Bush keg Island (South of). 52°11'N
97°47'W. RC3 20 AWPE, 25 DCCO. Nest estimates for
multiple species colony obtained by Aerial survey and/or
ground counts South of 54°N. Koonz and Rakowski (1985).

2 Cannibal Island

- 14 CN Colonial Nesters 63A Cannibal Island. 52°57'N 97°55'W.
RC3 25 DCCO, 15 HEGU. Nest estimates for multiple
species colony obtained by Aerial survey and/or ground
counts South of 54°N. Koonz and Rakowski (1985).
- 15 RA Bald Eagle 63A Cannibal Island (NW). 52°57'N 97°56'W.
RC3 1+ chick in live Poplar on island. June 26/84. Bald
Eagle nest survey by W. Koonz, Manitoba Dept. Nat.
Resources, 1984.

3 George Island, Northwest

- 16 CN Colonial Nesters 63A George Island (NW of), Lake
Winnipeg. 52°51'N 97°43'W. RC3 60 AWPE, 120 bbreeding
AWPE, Sidle, Koonz and Roney (1985). 125 DCCO, 50 HEGU.
Nest estimates for multiple species colony obtained by
Aerial survey and/or ground counts South of 54°N. Koonz
and Rakowski (1985).

4 George Island

- 17 CN Colonial Nesters 63A George Island. 52°50'N 97°40'W. RC3
150 DCCO, 300 RBGU. Nest estimates for multiple species
colony obtained by Aerial survey and/or ground counts
South of 54°N. Koonz and Rakowski (1985).
- SB American White Pelican 63A Lake Winnipeg. 52°50'N
97°40'W. 200 nests and 400 breeding birds observed. Ground
counts and aerial surveys, Koonz (1987).

5 George Island, Southwest^{east}

18 CN Colonial Nesters 63A George Island (SW of), Lake Winnipeg. 52°48'N 97°30'W. RC3 100 DCCO, 10 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

6 Nut Island

19 CN Colonial Nesters 63A Nat Island (West of). 52°06'N 97°22'W. RC3 200 DCCO, 200 RBGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

7 Pelican Island

20 CN Colonial Nesters 63A Pelican Island. 52°19'N 97°25'W. RC3 75 DCCO, 900 RBGU, 150 FOTE. Nest estimates for multiple species colony obtained by aerial survey and/or ground counts south of 54°. Koonz and Rakowski (1985).

8 Sandy ^{Island} ~~Lake~~

21 CN Colonial Nesters 63A Sandy Island. 52°58'N 97°59'W. RC3 1 AWPE, 50 DCCO, 50 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

9 St. Johns Island

22 CN Colonial Nesters 63A St. Johns Island (South of). 52°11'N 97°20'W. RC3 75 AWPE, 10 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

SB American White Pelican 63A Lake Winnipeg, St. John's Is. 52°11'N 97°20'W. 33 nests, 66 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).

Map Sheet 63B. Map References to Uncommon Indicator Birds

- 1 Great Blue Heron 63B Chitek Lake. 52°27'N 99°25'W. 40 nests estimated, Koonz and Rakowski (1985).
- 2 Common Tern 63B Dancing Point. 52°40'N 98°45'W. 200 nests estimated, Koonz and Rakowski (1985).
- 3 Common Tern 63B Gull Bay, North End. 52°55'N 98°50'W. 200 nests estimated, Koonz and Rakowski (1985).
- 4 Herring Gull 63B Gull Bay, South End. 52°53'N 98°52'W. 50 nests estimated, Koonz and Rakowski (1985).
- 5 Piping Plover 63B Gull Bay. 2,12-46-10W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 6 Great Blue Heron 63B Gun Island. 52°13'N 99°52'W. 25 nests estimated, Koonz and Rakowski (1985).
- 7 Bald Eagle 63B Pemican Island. 52°44'N 99°59'W. 1 chick in live poplar on island. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 8 Bald Eagle 63B Cranberry Island, Lake Winnipegosis. 52°33'N 99°41'W. 3 chicks in live poplar on island. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 9 Bald Eagle 63B Maggie Island, Lake Winnipegosis. 52°31'N 99°58'W. 2 chicks in live poplar on island. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 10 Bald Eagle 63B Charlies Island, Lake Winnipegosis. 52°27'N 99°48'W. 2 chicks in live poplar on island. June 19/84/
- 11 Bald Eagle 63B Pigeon Island. 52°26'N 99°44'W. 1 chick in live poplar on island. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 12 Bald Eagle 63B Lake Winnipegosis. 52°24'N 99°43'W. 1 chick in live poplar on Island. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 13 Bald Eagle 63B Red Deer Point. 52°02'N 99°58'W. 1 chick in live poplar on mainland. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 14 Herring Gull 63B Morass Point, NE of . 52°21'N 98°09'W. 6 nests estimated, Koonz and Rakowski (1985).

- 15 Great Blue Heron 63B Pigeon Island. 52°25'N 99°46'W. 50 nests estimated, Koonz and Rakowski (1985).
- 16 Piping Plover 63B Point LaRonde. 42-16W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 17 Piping Plover 63B Reindeer Island. 14-40-5W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

Map Sheet 63B Important Sites

1 Chartrand Island

- 18 CN Colonial Nesters 63B Chartrand Island (NW of). 52°32'N 99°42'W. RC3 50 DCCO, 5 HEGU, 250 CATE, 200 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

2 Cormorant Island

- 19 CN Colonial Nesters 63B Cormorant Island. 52°52'N 99°56'W. RC3 300 DCCO, 50 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

3 Denbeigh Point

- 20 CN Colonial Nesters 63B Denbeigh Point (South of). 52°^{49'}~~46'~~N 99°46'W. RC3 450 DCCO, 300 RBGU, Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

4 Goose Island

- 21 CN Colonial Nesters 63B Goose Island. 52°44'N 99°46'W. RC3 800 DCCO, 300 RBGU, 150 CATE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

- SH Piping Plover 63B Goose Bay Area. 44-16W. RC3 Potential Piping Plover habitat as seen from aerial surveys in 1986. Location not accurate, possibly Skunk Bay, Haig (1986).

5 Kawinaw Lake

- 22 CN Colonial Nesters 63B Kawinaw Lake. 52°50'N 99°29'W. RC3 2004 AWPE, 163 DCCO, 26 GBHE, 12000 RBGU, 175 HEGU, 50 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

This lake's importance is ranked 42nd in Canada with an overall score of 30.5 and a biological score of 19.5, Rakowski (1985).

- SB American White Pelican 63B Kawinaw lake. 52°50'N 99°29'W. RC3 4804 nests and 9608 breeding birds observed, Brian, O'Malley and Evans (1984). Ground counts and aerial surveys, Koonz (1987).

DD Ducks and Geese 63B Kawinaw Lake (Kaweenakumik Lake), Katimik Lake. 44,45-13,14,15W. RC3 Breeding - divers #'s unknown. Moulting - unknown. Staging (fall) - Geese 500, ducks, 5-10,000 (scaup, redhead, canvasback, scoters). (Gillespie and Whaley pers. comm.)

23 SH American Avocet 63B Kawinaw lake (west shore). 52°48'N 99°31'W. RC3 On 17 June 1984 Koonz, D. Campbell and T. Campbell visited the rocky island containing 35 Common Terns and a colony of roughly 40 American Avocets in breeding plumage. All but one of the 13 Avocet nests checked contained 4 eggs, the latter had 7. This record represents a northeastward extension of 160 km (100mi) for the American Avocet in Manitoba, Koonz (1985).

6 Long Point

DI Black Scoter 63B Long Point (Lake Winnipeg). Exact location not known, not mapped. RC3 Several 23 May 1976. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

DI European Widgeon 63B Long Point (north shore of Gull Bay). 1,2,3,4,5-46-10W. RC2 1 male observed 11 May 1963. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

7 Raindeer Island

24 CN Colonial Nesters 63B Raindeer Island (SW of). 52°22'N 98°04'W. RC3 25 AWPE, 40 breeding AWPE, Sidle, Koonz and Roney (1985). 150 DCCO, HEGU present. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

8 Sandy Island

25 CN Colonial Nesters 63B Sandy Island, Lake Winnipeg. 52°59'N 98°00'W. RC3 100 AWPE, 202 breeding AWPE, Sidle, Koonz and Roney (1985). 75 DCCO. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

9 St. Martin Island

26 CN Colonial Nesters 63B St. Martin Island, Lake Winnipeg. 52°17'N 98°01'W. RC3 1250 AWPE, 2368 DCCO, 5 GBHE, 15 BCNH, 348 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

This Island's importance ranked 31st in Canada with an overall score of 33.0, and a biological score of 20.0, Rakowski (1985).

SB American White Pelican 63B St. Martin Island, Lake Winnipeg. 52°17'N 98°01'W. 1920 nest and 3840 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).

WA Snowy Egret 63B Waterhen. Location not known. RC3 One adult observed on 6-8 May 1983 by D. Jacobs. Not mapped. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

Map Sheet 63C. Map References to Uncommon Indicator Birds

- 1 Whooping Crane 63C Camperville. 52°00'N 100°09'W. 4 birds seen on May 8, 1974, Boothroyd (1980).
- 2 Great Blue Heron 63C Hay Island. 52°55'N 100°22'W. 20 nests estimated, Koonz and Rakowski (1985).
- 3 Bald Eagle 63C Whisky Jake Island. 52°54'N 100°16'W. 2 chicks in live poplar on mainland. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 4 Bald Eagle 63C Sugar Island. 52°51'N 100°50'W. 2 chicks in live elm on island. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 5 Bald Eagle 63C Lake Winnipegosis. 52°50'N 100°13'W. 2 chicks in live poplar on mainland. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 6 Bald Eagle 63C Salt ^{Point} Lake. 52°48'N 100°53'W. 1 chick in dead poplar on mainland. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 7 Bald Eagle 63C Lake Winnipegosis. 52°44'N 100°51'W. 2 chicks in dead spruce on mainland. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 8 Bald Eagle 63C Lake Winnipegosis. 52°24'N 100°01'W. 2 chicks in live poplar on island. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 9 Bald Eagle 63C Thompson Island. 52°53'N 100°18'W. 1 chick in live poplar on island. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 10 Bald Eagle 63C Lake Winnipegosis. 52°21'N 100°07'W. 1 chick in live poplar on mainland. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 11 Bald Eagle 63C Lake Winnipegosis. 52°04'N 100°08'W. 2 chicks in live poplar on mainland. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 12 Piping Plover 63C Moose Point. 41-20W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 13 Double Crested Cormorant 63C Rowan Island (East of). 52°58'N 100°53'W. 500 nests estimated, Koonz and Rakowski (1985).

- 14 Great Blue Heron 63C Rowan Island. 52°58'N 100°54'W. 100 nests estimated, Koonz and Rakowski (1985).
- 15 Sharp-Shinned Hawk 63C Swan River. 52°07'N 101°16'W. 2 young seen 3 July, 1959. Prairie Nest Records Scheme Cards.
- 16 Double Crested Cormorant 63C Whisky Jack Island. 52°55'N 100°20'W. 250 nests estimated, Koonz and Rakowski (1985).

Map Sheet 63C Important Sites

1 Archie Island

- 17 CN Colonial Nesters 63C Archie Island (South of). 52°47'N 100°45'W. RC3 526 DCCO, 5 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

2 Camping Island

- 18 CN Colonial Nesters 63C Camping Island (South of). 52°15'N 100°05'W. RC3 60 DCCO, 300 GBHE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

3 Gamblers Pt.

- 19 CN Colonial Nesters 63C Gamblers Pt. 52°03'N 100°08'W. RC3 150 DCCO, 10 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
- 20 GR Double Crested Cormorant 63C Gamblers Point, NE of. 52°04'N 100°07'W. RC3 100 nests estimated, Koonz and Rakowski (1985).

4 Mason Island

- 21 CN Colonial Nesters 63C Mason Island (NW), Lake Winnipegosis. 52°53'N 100°43'W. RC3 35 DCCO, 200 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

5 Pelican Lake

- 22 CN Colonial Nesters 63C Pelican Lake. 52°25'N 100°20'W. RC3 1000 AWPE, 1500 DCCO. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
- SB American White Pelican 63C Pelican Lake. 52°25'N 100°20'W. 3867 nests and 7734 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).

6 Pelican Bay

- DA Geese 63C Pelican Bay (Lake Winnipegosis). 42,43,44-20,21W. RC2 Important goose production area. Adams (1983).
- 23 SH Piping Plover 63C Pelican Bay. 12,13-44-21W. RC3 Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 24 RA Bald Eagle 63C Lake Winnipegosis. 52°39'N 100°21'W. 1 chick in live poplar on mainland. July 7/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

7 Red Deer Lake

- DD Ducks 63C Red Deer Lake. 45,46-26,27,28W. RC2 Important duck moulting site. Adams (1983).
- DD Ducks 63C Red Deer Lake. 45,46-26,27,28W. RC2 Important duck moulting area. Adams (1983).
- 25 WA Whooping Crane 63C Red Deer Lake. 52°55'N 101°27'W. 2 birds seen on May 1, 1975, Boothroyd (1980).

8 Sealy Island

- 26 CN Colonial Nesters 63C Sealy Island (SE). 52°20'N 100°01'W. RC3 200 DCCO, 2000 RBGU, 100 CATE, 1000 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

9 Shoal River Outlet

- 27 CN Colonial Nesters 63C Shoal River Outlet. 52°38'N 100°43'W. RC3 100 EAGR, 55 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

10 Swan Lake

- DD Ducks 63C Swan lake (North). 39,40,41,42-23,24W. RC2 Important duck staging site. Adams (1983).
- DD Ducks, Geese 63C Swan Lake. 4,5-11W. RC2 Important duck and goose staging area. Adams (1983).

28 WA Great Blue Heron 63C Mockay Island. 52°35'N 100°47'W.
125 nests estimated, Koonz and Rakowski (1985).

11 Vance Reef

29 CN Colonial Nesters 63C Vance Reef. 52°55'N 100°44'W. RC3
200 DCCO, 20 HEGU. Nest estimates for multiple species
colony obtained by Aerial survey and/or ground counts
South of 54°N. Koonz and Rakowski (1985).

12 Steeprock Marsh

DA Dabbling ducks 63C Steeprock Marsh. 10-44-25. Wood
Duck common along river. (Clayton D. pers. comm.).

Map Sheet 63F. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 63F Lake Winnipegosis. 53°03'N 100°25'W. 1 chick in live elm on island. June /84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 2 Bald Eagle 63F Lake Winnipegosis. 53°02'N 100°39'W. 2 chicks in live spruce on island. June/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 3 American White Pelican 63F Lake Winnipegosis. 53°04'N 100°30'W. 3597 nests and 7194 breeding birds observed. Ground counts and aerial surveys, Koonz (1987).
- 4 Forster's Tern 63F Lake 20, Tom Lambs WMA. (35 km SE of the Pas). Location not known. Approx. 10 nests in colony, D. Sexton June 21/85. Prairie Nest Records Scheme Cards.
- 5 Double Crested Cormorant 63F Little Channel Island. 53°01'N 100°22'W. 450 nests estimated, Koonz and Rakowski (1985).
- 6 Whooping Crane 63F Overflowing River. 53°11'N 101°05'W. 1 bird seen on May 16, 1977
- 7 Double Crested Cormorant 63F Ripper's Point Reef. 53°05'N 100°40'W. 15 nests estimated, Koonz and Rakowski (1985).
- 8 Common Tern 63F South Moose Lake. 53°44'N 100°09'W. 200 nests estimated, Koonz and Rakowski (1985).
- 9 Summer Tanager 63F The Pas. NW 21-56-25W. 24 May 1966, one first year male, found dead on Rahl's Island in the Saskatchewan River near The Pas, Harvey Anderson. Specimen in Sam Waller's Little Northern Museum, Purdy (1982).
- 10 Bald Eagle 63F North Moose Lake. 53°59'N 100°07'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 11 Bald Eagle 63F North Moose Lake. 53°57'N 100°10'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 12 Bald Eagle 63F North Moose Lake. 53°56'N 100°15'W. Nest in dead Spruce on mainland. Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 13 Bald Eagle 63F South Moose Lake. 53°49'N 100°03'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.

Map Sheet 63F Important Sites

1 Big Island

- 14 CN Colonial Nesters 63F Big Island (West of). 53°53'N 100°26'W. RC3 10 AWPE, 50 DCCO. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
SB American White Pelican 63F South Moose Lake. 53°53'N 100°26'W. 1542 nests and 3084 breeding birds observed. Ground counts and aerial surveys, Koonz (1987)

2 Circle Island

- 15 CN Colonial Nesters 63F Circle Island. 53°02'N 100°28'W. RC3 800 AWPE, 900 DCCO. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

3 Hunter's Point

- 16 CN Colonial Nesters 63F Hunter's Point (South of). 53°00'N 100°58'W. RC3 450 DCCO, 100 GBHE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

4 North Long Island

- 17 CN Colonial Nesters 63F North Long Island (North of). 53°04'N 100°25'W. RC3 2300 DCCO, 60 GBHE, 2000 RBGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).
18 SB Ring-billed Gull 63F North Long Island (North of), Lake Winnipegosis . 53°05'N 100°25'W. RC3 1100 nests estimated, Koonz and Rakowski (1985).

5 Overflowing Point

- 19 CN Colonial Nesters 63F Overflowing Point. 53°03'N 101°03'W. RC3 150 DCCO, 500 RBGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

6 Pasquia Lake

- DD Ducks 63F Pasquia Lake. 54,55-26,27W. RC3 Important as a duck staging area. Adams (1983).
- 20 WA Whooping Crane 63F Pasquia Lake. 53°38'N 101°24'W. RC3 1 bird seen on May 15, 1979, Boothroyd (1980).

7 Saskeram Marshes

- DD Ducks, Geese 63F Saskeram Marshes, large complex. 56-29, 28W. RC2 Important as a duck staging and moulting area. Also important as a goose staging, moulting, and production area. (Adams 1983).
- This extensive area's importance ranked 38th in Canada with an overall score of 31.0, and a biological score of 17.0, Rakowski (1985).

8 South Moose Lake

- 21 CN Colonial Nesters 63F South Moose Lake (SW). 53°44'N 100°17'W. RC3 1500 AWPE, 800 DCCO. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

9 Spruce Island

- 22 CN Colonial Nesters 63F Spruce Island (NE), Lake Winnipegosis. 53°04'N 100°30'W. RC3 918 AWPE, 2009 DCCO, 59 RBGU, 383 CATE, 152 COTE. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985). This Island's importance ranked 14th in Canada with an overall score of 36.5 and a biological score of 23.5, Rakowski (1985).

10 Summerberry Marshes

- DA Geese 63F Summerberry Marshes, Complex. 54-23W. RC2 Important goose staging area. Adams (1983).
- This extensive area's importance ranked 73rd in Canada with an overall score of 25.0 and a biological score of 13.5, Rakowski (1985).
- DD Ducks 63F Summerberry Marshes, Complex. 54-23. RC2 Important duck and goose staging site. Adams (1983).

23 CN Colonial Nesters 63K Saskatchewan River Delta. 53°27'N
100°41'W. RC3 GBHE, HEGU and BCNH colony, numbers not
known. Imrie (1974).

GR Pied-billed Grebe 63F Lake 9, Tom Lamb. WMA. Location
not known, not mapped. RC3 3 eggs in nest found on 22
July, 1981 by D. Sexton. Prairie Nest Records Scheme
Cards.

Map Sheet 63F Important Sites

11 Kelsey Lake

DA Geese, dabbling ducks 63F Kelsey Lake 53, 54 - 25 W1 RC1. Important goose and duck staging area (Adams and Hutchison 1976).

12 Shirley Lake Marshes

DD Ducks 63F Shirley Lake marshes 55, 56 - 21,22 W1 RC1. Important duck production area. Water levels regulated by Ducks Unlimited (Adams and Hutchison 1976)

13 Reader Lake

DD Ducks 63F Reader Lake 57 - 26, 27 W2 RC1. Important duck production and staging area (Adams and Hutchison 1976)

DA Geese. Important staging area (Adams and Hutchison 1976)

14 Watseskwatapi Lake

DD Ducks 63F Watseskwatapi Lake 57, 58 - 28, 29 W1 RC1. Important duck production area (Adams and Hutchison 1976)

15 Birch Lake

DD Ducks 63F Birch Lake 56, 57 - 28 - 29 W1 RC1. Important duck staging and production area (Adams and Hutchison 1976)

16 Unnamed Lake

DD Ducks 63F Unnamed Lake 28, 29, 30 - 55 - 29 W1 RC1. Important duck production area (Adams and Hutchison 1976)

17 Big Lake

DD Ducks, Geese 63F Big Lake 54 - 28, 29 W1 RC1. Important duck and
DA goose staging area (Adams and Hutchison 1976)

18 West Moose Lake Shore

DD Ducks, Geese 63F West Moose Lake 57 - 21 - W1 RC1. Important waterfowl
DA staging area (Adams and Hutchison 1976)

20 Little Kelsey Lake

DD Ducks, Geese 63F Little Kelsey Lake 54, 55 - 25 W1 RC2. Important waterfowl staging area (Adams and Hutchison 1976)

Map Sheet 63G. Map References to Uncommon Indicator Birds

- 1 Piping Plover 63G Buffalo Creek Bay. 51-12W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 2 Bald Eagle 63G Cedar Lake. 53°09'N 99°26'W. Position may be incorrect. 2+ chicks in live poplar on mainland. July/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 3 Bald Eagle 63G South Moose Lake. 53°49'N 99°59'W. Nest in dead Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 4 Bald Eagle 63G *South Moose Lake* 53°45'N 99°55'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 5 Bald Eagle 63G *South Moose Lake* 53°44'N 99°56'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 6 Bald Eagle 63G *South Moose Lake* 53°46'N 99°57'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 7 Bald Eagle 63G Moose Lake. 53°49'N 99°44'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 8 Bald Eagle 63G South Moose Lake. 53°48'N 99°55'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 9 Bald Eagle 63G Moose Lake. 54°00'N 99°38'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 10 Bald Eagle 63G Davidson Lake. 53°50'N 99°~~37~~'W. Nest in dead Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 11 Bald Eagle 63G *South Moose Lake* 53°50'N 99°58'W. Nest in live Spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 12 Bald Eagle 63G Lake Winnipeg. 53°52'N 98°45'W. 1 chick in live poplar on mainland. June/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

- 13 Bald Eagle 63G Lake Winnipeg. 53°51'N 98°23'W. 2 chicks in live poplar on mainland. June/84. Bald Eagle survey by W. Koonz, Man. Dept. Nat. Res., 1984.
- 14 Bald Eagle 63G Lake Winnipeg. 53°31'N 99°04'W. 1 chick in live Spruce on mainland. June /84. Bald Eagle survey by W. Koonz, Man. Dept. Nat. Res., 1984.
- 15 Bald Eagle 63G Lake Winnipeg. 53°28'N 99°06'W. 2 chicks in dead poplar on mainland. June/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 16 Bald Eagle 63G Lake Winnipeg. 53°25'N 99°10'W. 2 chicks in dead poplar on mainland. June /84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 17 Bald Eagle 63G Lake Winnipeg. 53°19'N 99°12'W. 1 chick in live poplar on mainland. June /84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 18 Bald Eagle 63G Lake Winnipeg. 53°12'N 99°13'W. 2 chicks in dead poplar on mainland. June/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 19 Bald Eagle 63G Lake Winnipeg. 53°08'N 99°10'W. 1 chick in live poplar on mainland. June/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 20 Piping Plover 63G Limestone Point. 55-10W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 21 Piping Plover 63G Robinson's Point. 51-12W. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).

Map Sheet 63G Important Sites

1 Long Point

SH Piping Plover 63G Long Point. 46,47-7,8W. RC3 9 adults and 14 chicks observed on south bar. Two censuses, 31 July, 1986 found good habitat for breeding, Haig (1986).

2 Morrison Lake

22 CN Colonial Nesters 63G Morrison Lake. 53°03'N 99°18'W. RC3 25 DCCO, 20 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

3 Selkirk and Horseshoe Island

23 CN Colonial Nesters 63G Selkirk & Horseshoe Low Island. 53°19'N 99°05'W. RC3 DCCO and AWPE colony. Rusch (1972). Rakowski and Koonz (1982).

4 South Moose Lake N. Shore

24 CN Colonial Nesters 63G South Moose Lake. 53°53'N 99°55'W. RC3 35 DCCO, 50 RBGU, 10 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

5 South Moose Lake E. Shore

25 CN Colonial Nesters 63G South Moose Lake. 53°47'N 99°58'W. RC3 200 DCCO, 30 HEGU. Nest estimates for multiple species colony obtained by Aerial survey and/or ground counts South of 54°N. Koonz and Rakowski (1985).

Map Sheet 63H. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 63H Lake Winnipeg. 53°44'N 97°51'W. 2 chicks in live poplar on island. June 1984. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Res., 1984.
- 2 Piping Plover 63H Montreal Point. 53-4E. Potential Piping Plover habitat as seen from aerial surveys in 1986. Haig (1986).
- 3 Bald Eagle 63H Norway House. 53°45'N 96°05'W. Inactive nest in dead Aspen on island, Koonz (1987).
- 4 Bald Eagle 63H Stevenson Lake. 53°56'N 96°12'W. Inactive nest in dead Aspen on island, Koonz (1987).
- 5 Bald Eagle 63H Norway House. 53°56'N 96°12'W. Inactive nest in live Aspen on island, Koonz (1987).
- 6 Bald Eagle 63H Bennett Lake. 53°28'N 96°03'W. Active nest in live Aspen on mainland, Koonz (1987).
- 7 Bald Eagle 63H Gunisao Lake. 53°31'N 96°13'W. Active nest in dead Aspen on island, Koonz (1987).
- 8 Bald Eagle 63H Norway House. 53°34'N 96°10'W. Active nest in dead Birch on island, Koonz (1987).
- 9 Bald Eagle 63H Norway House. 53°44'N 96°07'W. Active nest in live Spruce on island, Koonz (1987).
- 10 Bald Eagle 63H Stevenson Lake. 53°57'N 96°08'W. Active nest in live Spruce on island, Koonz (1987).
- 11 Bald Eagle 63H Norway House. 53°58'N 96°05'W. Active nest in live Spruce on mainland, Koonz (1987).
- 12 Osprey 63H Norway House. 53°33'N 96°05'W. Nest in live Spruce on island, Koonz (1987).

Map Sheet 63I. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 63I Walker Lake. 54°43'N 96°58'W. Active nest in live Spruce on island, Koonz (1987).
- 2 Bald Eagle 63I Lawford Lake 54°32'N 96°33'W. Active nest in live Spruce on island, Koonz (1987).
- 3 Bald Eagle 63I Porcupine Hill Creek 54°34'N 96°29'W. Active nest in dead Aspen on island, Koonz (1987).
- 4 Bald Eagle 63I E. Walker Lake 54°42'N 96°49'W. Active nest in live Spruce on island, Koonz (1987).
- 5 Bald Eagle 63I Molson Lake. 54°10'N 96°41'W. Active nest in live Spruce on island, Koonz (1987).
- 6 Bald Eagle 63I Walker Lake 54°41'N 97°00'W. Active nest in live Spruce on island, Koonz (1987).
- 7 Bald Eagle 63I Molson Lake. 54°17'N 96°45'W. Active nest in live Spruce on island, Koonz (1987).
- 8 Bald Eagle 63I Bolton Lake. 54°07'N 96°27'W. Active nest in live Spruce on island, Koonz (1987).
- 9 Bald Eagle 63I Logan Lake. 54°27'N 96°12'W. Active nest in live Aspen on island, Koonz (1987).
- 10 Bald Eagle 63I Walker Lake. 54°43'N 96°53'W. Active nest in live Spruce on island, Koonz (1987).
- 11 Bald Eagle 63I Molson Lake. 54°10'N 96°49'W. Active nest in live Spruce on island, Koonz (1987).
- 12 Bald Eagle 63I Lawford Lake. 54°31'N 96°32'W. Active nest in live Spruce on mainland, Koonz (1987).
- 13 Bald Eagle 63I Bolton River 54°13'N 96°02'W. Active nest in live Spruce on island, Koonz (1987).
- 14 Bald Eagle 63I Molson Lake. 54°15'N 97°07'W. Inactive nest in live Jack Pine on island, Koonz (1987).
- 15 Bald Eagle 63I Molson Lake. 54°14'N 97°07'W. Inactive nest in live Spruce on island, Koonz (1987).
- 16 Bald Eagle 63I Lake. 54°28'N 96°56'W. Active nest in live Spruce on island, Koonz (1987).
- 17 Bald Eagle 63I Molson Lake. 54°09'N 96°39'W. Inactive nest in live Spruce on island, Koonz (1987).

- 18 Bald Eagle 63I Molson Lake. 54°10'N 96°38'W. Inactive nest in dead Spruce on island, Koonz (1987).
- 19 Bald Eagle 63I *Bolton River* 54°12'N 96°05'W. Inactive nest in live Spruce on island, Koonz (1987).
- 20 Bald Eagle 63I Walker Lake. 54°39'N 97°01'W. Active nest in dead Spruce on island, Koonz (1987).
- 21 Bald Eagle 63I *Unnamed Lake* 54°28'N 96°28'W. Inactive nest in live Aspen on island, Koonz (1987).
- 22 Bald Eagle 63I *Lawford River* 54°30'N 96°17'W. Inactive nest in live Aspen on island, Koonz (1987).
- 23 Bald Eagle 63I Walker Lake. 54°40'N 97°01'W. Inactive nest in live Spruce on island, Koonz (1987).
- 24 Bald Eagle 63I *Lower Bolton Lake* 54°11'N 96°12'W. Active nest in live Aspen on island, Koonz (1987).
- 25 Bald Eagle 63I Molson Lake. 54°13'N 97°03'W. Active nest in live Aspen on island, Koonz (1987).
- 26 Bald Eagle 63I Molson Lake. 54°11'N 97°01'W. Active nest in live Aspen on island, Koonz (1987).
- 27 Bald Eagle 63I Molson Lake. 54°10'N 96°54'W. Active nest in live Spruce on island, Koonz (1987).
- 28 Osprey 63I Walker Lake. 54°48'N ~~96~~ 54'W. Nest in live Spruce on mainland, Koonz (1987).
- 29 Osprey 63I *N. Walker Lake* 54°49'N 94°55'W. Nest in live Spruce on mainland, Koonz (1987).

Map Sheet 63J. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 63J Moose Lake. 54°12'N 99°51'W. Nest in live Spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 2 Bald Eagle 63J Talbot Lake. 54°07'N 99°49'W. Nest in live Spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 3 Bald Eagle 63J Herblet Lake. 54°56'N 99°50'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985,
- 4 Bald Eagle 63J Moose Lake. 54°10'N 99°56'W. Nest in live spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 5 Bald Eagle 63J Talbot Lake. 54°06'N 99°53'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 6 Bald Eagle 63J Herblet Lake. 54°56'N 99°58'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 7 Bald Eagle 63J Wekusko lake. 54°45'N 99°54'N. Nest in live Aspen on island. Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 8 Bald Eagle 63J Herblet Lake. 54°55'N 99°52'W. Nest in live Aspen on mainland. Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 9 Bald Eagle 63J Talbot Lake. 54°04'N 99°54'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 10 Bald Eagle 63J Wekusko lake. 54°42'N 99°58'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 11 Bald Eagle 63J Hargrave lake. 54°27'N 99°40'W. Nest in dead Spruce on mainland. Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 12 Bald Eagle 63J Moose lake. 54°10'N 99°48'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 13 Bald Eagle 63J Wekusko lake. 54°44'N 99°47'W. Nest in live Aspen on mainlane, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.

- 14 Bald Eagle 63J Wekusko lake. 54°43'N 99°53'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 15 Bald Eagle 63J Wekusko lake. 54°40'N 99°52'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 16 Bald Eagle 63J Hargrave lake. 54°30'N 99°35'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 17 Bald Eagle 63J Talbot Lake. 54°05'N 99°48'W. Nest in live Spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 18 Bald Eagle 63J Moose lake. 54°01'N 99°39'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 19 Bald Eagle 63J Moose lake. 54°13'n 99°52'W. Nest in dead Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.

Map Sheet 63J Important Sites

1 Talbot Lake

20 CN Colonial Nesters 63J Talbot Lake. 54°09'N 99°53'W. RC3
50 AWPE, 50 DCCO, 50 HEGU. Nest estimates for multiple
species colony obtained by Aerial survey and/or ground
counts South of 54°N. Koonz and Rakowski (1985).

2 Moose Lake

21 CN Colonial Nesters 63J Moose Lake. 54°07'N 99°53'W. RC3
100 AWPE, 175 DCCO, 50 HEGU. Nest estimates for multiple
species colony obtained by Aerial survey and/or ground
counts South of 54°N. Koonz and Rakowski (1985).

Map Sheet 63K. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 63K Athapapuskow lake. 54°31'N 101°38'W. 2+ chicks in live Spruce on island. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 2 Bald Eagle 63K Barb Lake. 54°43'N 100°49'W. 1+ chick in live poplar on mainland. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 3 Bald Eagle 63K Claw Lake. 54°48'N 100°45'W. sat tight live poplar on mainland. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 4 Bald Eagle 63K Claw Lake. 54°47'N 100°47'W. 2 chicks in live poplar on mainland. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 5 Colonial Nesters 63K Clearwater Lake. 54°07'N 101°00'W. COTE colony, numbers not known, Imrie (1974).
- 6 Bald Eagle 63K *Moose* Lake. 54°04'N 100°09'W. Nest in dead Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 7 Bald Eagle 63K *Moose* Lake. 54°04'N 100°10'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 8 Bald Eagle 63K *Moose* Lake. 54°02'N 100°15'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 9 Bald Eagle 63K *Sewell* lake. 54°45'N 100°32'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 10 Bald Eagle 63K *Nesosap* lake. 54°58'N 101°22'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 11 Bald Eagle 63K *Heming* lake. 54°58'N 101°08'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 12 Bald Eagle 63K Elbow lake. 54°50'N 100°53'W. Nest in live Spruce on mainland, Koonz (1985).
- 13 Bald Eagle 63K Grass River 54°41'N 100°55'W. Nest in dead Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.

- 14 Bald Eagle 63K Woosey lake. 54°49'N 100°15'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 15 Bald Eagle 63K Moose Lake. 54°10'N 100°20'W. Nest in live Spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 16 Bald Eagle 63K File lake. 54°54'N 100°25'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 17 Bald Eagle 63K Loonhead lake. 54°58'N 100°41'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 18 Bald Eagle 63K Moose Lake. 54°08'N 100°01'W. Nest in dead Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 19 Bald Eagle 63K Dolomite lake. 54°28'N 100°31'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 20 Bald Eagle 63K *Mitchell* lake. 20°N 101°01'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 21 Bald Eagle 63K Farewell lake. 54°34'N 100°13'W. Nest in dead Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 22 Bald Eagle 63K Moose Lake. 54°11'N 100°03'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 23 Bald Eagle 63K Norris lake. 54°53'N 100°30'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 24 Bald Eagle 63K ^{W. of} Loonhead lake. 54°57'N 100°40'W. Nest in dead Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 25 Bald Eagle 63K *Moose* Lake. 54°11'N 100°23'W. Nest in live Spruce on Mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 26 Bald Eagle 63K Reed lake. 54°36'N 100°22'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.

- 27 Bald Eagle 63K Tramping Lake. 54°42'N 100°08'W. Nest in live Spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 28 Bald Eagle 63K Farewell lake. 54°32'N 100°12'W. Nest in live Aspen on Mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 29 Bald Eagle 63K Woosey lake. 54°48'N 100°18'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 30 Bald Eagle 63K Moose Lake. 54°11'N 100°02'W. Nest in dead Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 31 Bald Eagle 63K Reed lake. 54°36'N 100°30'W. Nest in live Aspen on Mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 32 Bald Eagle 63K Reed lake. 54°36'N 100°31'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 33 Bald Eagle 63K Woosey lake. 54°47'N 100°15'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 34 Bald Eagle 63K Simonhouse lake. 54°33'N 101°07'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 35 Bald Eagle 63K Krug lake. 54°42'N 100°37'W. Nest in dead Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 36 Bald Eagle 63K Reed lake. 54°41'N 100°16'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
Bald Eagle 63K Reed Lake. 54°41'N 100°16'W. sat tight in live spruce on island. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 37 Bald Eagle 63K Norris lake. 54°54'N 100°30'W. Nest in dead Aspen on island. Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 38 Bald Eagle 63K McClarty Lake. 54°28'N 100°23'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 39 Bald Eagle 63K Dyce Lake. 54°20'N 100°11'W. Nest in live Spruce on Mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.

- 40 Bald Eagle 63K *File* lake. 54°55'N 100°22'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 41 Bald Eagle 63K Cormorant lake. 54°10'N 100°40'W. Nest in live Aspen on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 42 Bald Eagle 63K Iskwassum lake. 54°37'N 100°48'W. Nest in live Spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 43 Bald Eagle 63K Egg Lake. 54°20'N 101°29'W. 2 chicks in dead poplar on mainland. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 44 Bald Eagle 63K Grass River. 54°39'N 100°12'W. 2 chicks in live poplar on mainland. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 45 Bald Eagle 63K Grass River. 54°38'N 100°16'W. 2 chicks in live poplar on mainland. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 46 Double Crested Cormorant 63K Moose Lake. 54°08'N 100°04'W. 100 nests estimated, Koonz and Rakowski (1985).
- 47 American White Pelican 63K Moose Lake. 54°09'N 100°08'W. 779 nests and 1558 breeding Birds observed. Ground counts and aerial surveys, Koonz (1987).
- 48 Bald Eagle 63K Naosap Lake. 54°51'N 101°29'W. 2 chicks in dead poplar on mainland. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 49 Bald Eagle 63K *Nesosap* Lake. 54°49'N 101°23'W. 1 + chick in live J. Pine on mainland. June 19/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 50 Bald Eagle 63K Pothier Lake. 54°25'N 101°15'W. 1+ chick in live poplar on mainland. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 51 Bald Eagle 63K Reed Lake. 54°40'N 100°28'W. 1+ chick in dead spruce on island. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 52 Bald Eagle 63K *Tramping* Lake. 54°37'N 100°10'W. 1 + chick in live spruce on island. June 18/84. Bald Eagle nest survey by W. Koonz, Man. Dept. Nat. Res., 1984.
- 53 Bald Eagle 63K Reed Lake. 54°39'N 100°33'W. Birds sat tight in live Spruce on island. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

- 54 Bald Eagle 63K Reed lake. 54°42'N 100°29'W. 2 chicks in live spruce on island. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 55 Osprey 63K Sherridon. 54°50'N 100°20'W. 2 young in nest on power pole, D. Whitfield, July 2/69. Prairie Nest Records Scheme Cards.
- 56 Bald Eagle 63K Simonhouse Lake. 54°28'N 101°16'W. 2 chicks in dead birch on island. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 57 Bonaparte's Gull 63K *Atik*. 54°19'N 101°19'W. Colony located on small lake. Aerial survey done May & June 1983 - 1985 while looking for Bald Eagle nests. No sites visited on the ground but presence of adults which did not depart at approach of low flying aircraft suggests the probability of breeding birds, Koonz (1986).
- 58 Bonaparte's Gull 63K *N. Clearwater* L 54°09'N 101°10'W. Colony located on small lake. Aerial survey done May & June 1983 - 1985 while looking for Bald Eagle nests. No sites visited on the ground but presence of adults which did not depart at approach of low flying aircraft suggests the probability of breeding birds, Koonz (1986).
- 59 Bald Eagle 63K Tramping Lake. 54°41'N 100°06'W. sat tight in live poplar on mainland. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 60 Bald Eagle 63K Yawningstone Lake. 54°23'N 100°48'W. 2 chicks in dead poplar on mainland. June 18/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

Red-Shouldered Hawk 63K Clearwater Lake. Exact location not known, not mapped. 1 December 1978, 1 adult found injured, died later, R. Dyck. Specimen now in Museum of Man and Nature. First confirmed record for province. (Koes, R. Update of the unpub. rep., Manitoba Rare Birds Volume, 1985).

- 40 Bald Eagle 63N Sisipuk Lake. 55°48'N 101°42'W. 1 chick in live spruce on island. June 20/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 41 Bald Eagle 63N Sisipuk Lake. 55°46'N 101°41'W. 1+ chick in live spruce on island. June 20/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.
- 42 Bald Eagle 63N Sisipuk Lake. 55°42'N 101°36'W. 1+ chick in live poplar on island. June 20/84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

Map Sheet 630. Map References to Uncommon Indicator Birds

- 1 Bald Eagle 630 Five Mile Lake. 55°07'N 98°41'W. Nest in live Aspen on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 2 Bald Eagle 630 Setting Lake. 55°01'N 98°37'W. Nest in live Spruce on Island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985
- 3 Bald Eagle 630 Setting Lake. 55°01'N 98°38'W. Nest in live Spruce on island, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 4 Bald Eagle 630 Halfway Lake. 55°02'N 98°31'W. Nest in live Spruce on mainland, Bald Eagle nest surveys by W. Koonz, Dept. Nat. Res., 1985.
- 5 Bald Eagle 630 August Lake. 55°11'N 98°33'W. Nest in live Birch on island, Koonz(1985).
- 6 Bald Eagle 630 Rat River . 55°58'N 99°21'W. 2 chicks in live poplar on mainland. July /84. Bald Eagle nest survey by W. Koonz, Manitoba Dept. Nat. Resources, 1984.

Appendix 3.

INFORMATION SOURCES AND ACKNOWLEDGEMENTS

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INFORMATION SOURCES AND ACKNOWLEDGEMENTS.

The following individuals and agencies were contacted while collecting information for the site files. Their help was greatly appreciated.

Canadian Wildlife Service

Manitoba Office

Rakowski P. W. -Colonial nesting bird and waterfowl records throughout the province.

Cummin L. -Computer programing.

Manitoba Department of Natural Resources

Gimli Office

Camron B. -Waterfowl moulting and staging sites in Manitoba.

Dauphin Office

Davies D. -Waterfowl moulting and staging sites in Manitoba.

The Pas Office

Collins G. -Waterfowl moulting and staging sites in Manitoba.

Winnipeg Office

Koonz W. H. -Colonial nesting bird locations as well as locations of Bonapart's gull colonies and updated information on American White Pelican Colonies, Bald Eagle, Osprey, and Egret nest sites in Manitoba.

Nero R. W. -Burrowing Owl information.

Murray Gillespie

Kent Whaley -Waterfowl moulting and staging sites in Manitoba.

DeSmet K. -Baird's Sparrow information.

Manitoba Provincial Parks

Winnipeg Office
Hernandez H.

-Special Inventories for the following
Provincial Parks:
Whiteshell
Turtle Mountain
Duck Mountain
Hecla Island
Nopiming

Manitoba Museum of Man and Nature

Copland H.

-Prairie Nest Records Scheme Cards, Rare and
Uncommon Bird Sighting Cards, and the new
Check- List for Manitoba Birds (1986), as
well as the use of the Museums library.

Ducks Unlimited (Canada) Ltd.

Stonewall Office
Ould P.
Sobuck T.

-Waterfowl and colonial bird important sites.

Brandon Office
Andrews R.
Cuthburt C.

-Ferruginous Hawk nest locations, Waterfowl
moulting and staging sites.

Dauphin Office
Clayton D.

-Waterfowl moulting and staging sites.

Winnipeg Area Office
Wishart R.
Sexton D.

-General information on where to find
waterfowl data.

Head Office Winnipeg
Caldwell P.
Clay B.

-General information on waterfowl.

University of Manitoba

Sealy S.

-Aid in formulation of indicator bird species
list used in report. Provided names of
local bird authorities.

Evans R.

-Colonial nesting bird information.

Knapton R. -Aid in formulation of indicator bird species list used in report. Say's Phebe and other nongame migratory bird information. Go-between for data collection. A big help in assisting me locate information.

Baydack R. -Sharp-tailed Grouse information.

Field Station (Delta Marsh)
Meade R. -Delta Annual Reports.

University of North Dakota

Haig S. -Piping Plover nesting sites, and possible nesting sites in Manitoba. Aid in locating shorebird data.

Delta Waterfowl and Wetlands Research Station

Batt B.
Anderson M. -General information on migratory birds and where to find it.

Manitoba Avian Research Committee

Koes R. -Update of the Manitoba Rare and Uncommon Birds Volume 1986.
-Aid in the formulation of Indicator Species List used in report. Provided much information on nongame migratory bird staging and nest sites.

Raptor Rehab. Center (Lineland, Ontario)

Ratcliff B. -Ferruginous Hawk nest sites, Burrowing Owl, and Baird's Sparrow information.

Private Shorebird Research

Holohan S. -Aid in the formulation of Indicator Species List used in report. Provided detailed notes on shorebirds in Manitoba.

Naturalists and Others

Murray J. -Provided me with his personal notes on Ferruginous Hawk nest sites and Say's Phoebe nest sites.

Wiebe V. -Editing.

Periodicals and Unpublished Reports Reviewed

The Blue Jay 1960-1986.

Canadian Field-Naturalist 1960-1986.

American Birds 1980-1986.

Manitoba Bird Studies 1744-1983. A Bibliography By Martin K. McNicholl. Only information from 1960 on was included.

Prairie Nest Record Scheme Cards. Manitoba Museum of Man and Nature.

Manitoba Rare Birds Cards. Manitoba Museum of Man and Nature.

Manitoba Rare and Uncommon Birds Volume. (Manitoba Avian Research Committee). Only information from the updated 1986 volume was included.

Field Checklist of the Birds of Manitoba- Manitoba Avian Research Committee, Manitoba Museum of Man and Nature, and the Manitoba Naturalists Society. Compiled November, 1986.

A Field Check-list. The Birds of Churchill. By Bonnie Chartier.

Birds Of The Delta Marsh. C. W. Cuthbert and R. E. Jones.

Appendix 4.

DATA FORMS USED FOR RECORDING INFORMATION

Fg.:	Map #:	Sheet:	SG	Spp.:	RC:	LegLoc.:	DesLoc.:

!obs.

[illegible]

**SPECIES LIST OF RARE, UNCOMMON, AND IMPORTANT BIRDS WITHIN THE
12 MAJOR GROUPS OF BIRDS (Species Groups)**

**SPECIES LIST OF RARE, UNCOMMON, AND IMPORTANT BIRDS WITHIN THE
12 MAJOR GROUPS OF BIRDS (Species Groups)**

MAP SYMBOLS - NEST SITES OF SPECIES AND SPECIES GROUPS.

① Colonial Nesters (CN)

⊖ Divers (GR), grebes, loons.

⊖ Waders (WA), herons.

⊖ Seabirds (SB), pelicans, gulls, cormorants.

○ Waterfowl (DD)

⊙ Dabblers (DA), inc. geese.

⊙ Divers (DI)

① Shorebirds (SH)

① Piping Plover

① Aquatic Birds (AQ), rails.

⊙ Raptors (RA)

⊙ Bald Eagle

⊙ Osprey

⊙ Ferruginous Hawk

⊙ Burrowing Owl

● Game Birds (GA), woodcock, grouse.

① Aerial Feeding Birds

① Tree Climbing Birds

⊖ Perching Birds

⊙ Baird's Sparrow

X Sighting only (pair, etc.). No nest site confirmed.
Nest site symbols are used for Baird's Sparrow
and Burrowing Owl sightings.

Reliability Code / Survey Type

△ RC1 - Historical
pre-1975, general
low-med. reliab.

▲ RC2 - Historical
detailed surveys,
spp. counts.

▴ RC3 - Recent,
low-med. reliab.,
occ. surveys.

■ RC4 - Recent,
high reliab., detailed
systematic, spp. counts.

APPENDIX 7.

REDUCED COPIES OF 1:250,000 MAP SHEETS

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1987
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Adams, G. D.
MAPPING SURVEY OF
MIGRATORY BIRD BREEDING
AND STAGING SITES IN
MANITOBA

QL
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.M55
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1987
v.1

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AND STAGING SITES IN
MANITOBA