UNITED STATES DEPARTMENT OF AGRICULTURE BUREAU OF BIOLOGICAL SURVEY

IN REPLY REFER TO

S

Mumper, Nebraska January 31, 1933.

Chief,

Bureau of Biological Survey, Washington, D.C.

Dear Sir:

Inclosed herewith you will find Quarterly Report on Reservation Wild Life and Activities Appurtement Thereto for the Crescent Lake Migratory Bird Refuge for the Second Quarter of the Fiscal Year 1933.

Very truly yours,

William J. Krummer

Acting Supervisor, Crescent Lake Migratory Bird Refuge.

Oct - Dec 1932

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CRESCENT LAKE MIGRATORY BIRD REFUGE

QUARTERLY REPORT ON RESERVATION WILD LIFE AND ACTIVITIES APPURTENANT THERETO.

SECOND QUARTER FISCAL YEAR 1933

- I. Report on the wild life observed during the period.
 - 1. Birds observed and definitely identified.

Waterfowl

Shore Birds

Mallard Gadwell Blue-wing Teal Green-wing Teal Pintail Shoveller Baldpate Canvas-back Redhead Scaup~ Buffle-head Ruddy American Golden-eye American Merganser Red-breasted Merganser Hooded Merganser Coot Whistling Swan Canada Goose Black Loon Western Grebe Eared Grebe Pied-billed Grebe Common Tern

Upland Game Birds

Ring-necked Pheasant Prairie Hen Chicken Sharp-tailed Grouse Avocet Wilson Snipe Greater Blue Heron Black-crowned Night Heron American Bittern Greater Yellow-legs Lesser Yellow-legs Killdeer Western Sandpiper

Insectivorous Magpie Raven Blue Jay Yellow-headed Blackbird Red-winged Blackbird Brewer Blackbird Brown Thrasher Mourning Dove Meadow Lark(Eastern and Western) Horned Lark American Robin Barn Swallow

Birds of Prey

Marsh Hawk Sparrow Hawk Rough-legged Hawk Swainson Hawk Prairie Falcon Burrowing Owl Hoot-Oul

Birds (Cont)

The migration from the north had started on October first. Many northern widgeon and Shoveller ducks

TOURSE CHIEF AND DESCRIPTION STAT PURSPECTS

VARGENTY HERONY ON HUBBRAATION WILD LIFT AND ACTIVITIES

PISCAL YEAR 1985

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Shore Birds

Wilson Snips Wilson Snips Creater Blue Heror Sherk-crowned Migi American Bittern Creater Yellow-leg Lenser Yellow-leg Western Sanipirer

ingris Raven Raven Saven Vellow-headed Lachtind Servinger Rhadfind Revel Flackbind Save Brasher Sare Lirk Saster and Veste Arresten Robin Aresten Robin

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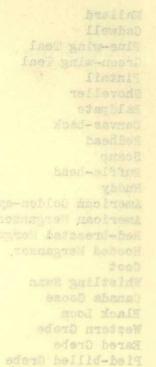
Brarrow Hiwk Sparrow Hiwk Swalnson Hawk reirie Filcon Smrrowing Swl

irds (Cont)

DEPARTMENT

Prairie Hen Junior

The migration from the north has rearied on Cotober first. Many northern widgeon and Shovaller ducks



Best possible image.

were resting and feeding on the lakes of the refuge at the start of this period. The native mallards, blue-wing teal, and gadwells left here between October 15 and November first. The northern mallards came in during the last of October and remained until the ice closed the lakes about the first of December. (The peak of the northern flight was reached during the last two weeks of October when counts of 26,000 and 27,000 birds were made. By some quirk of migration the main flight of canvas-back ducks and canada geese passed over the Crescent Lake Refuge this year and concentrated on the North Platte River Refuge 30 miles south. Usually a considerable portion of the flight rest and feed on the lakes in this vicinity. On November 15 a large flight of American Mergansers concentrated on Island and Blue Lakes, feeding, for the most part, on the small fish in Island Kake. These Mergansers stayed until ice closed the lakes. After the first week in December, with ice covering all lakes, there were no birds left on the refuge.

-2-

One flock of about 20 whistling swans remained in this vicinity for about three weeks during October.

A covey of 15 ring-necked pheasants are wintering at the refuge headquarters site.

Waterfowl feed in the lakes of the refuge was considerably decreased this fall due to low water levels. (The pondweeds (Potomagetons) are the major food plants in the lakes, and receding water left the marginal plants high and dry before they had a chance to seed.)

2. Animal Life.

Muskrats are common on most of the lakes. On Island, Christ and Shafer they are especially abundant.

Coyotes are frequently sighted but so far have confined their activities to the carcasses of cattle dead by natural means and to jack rabbits.

II Other Activities

1. Grazing.

During the first week of October 3500 head of cattle were moved from the summer range (East Division) to the winter range (West Division) and have been feeding there since. As a result of turning into new pastures the Abbott Company lost about 20 calves from Blackleg. Pecause of the shortage of hay on this winter range about 1300 calves will be moved to other feeding grounds off the refuge shortly after the first of the year.

2. Protection.

During October and November (open season on migratory birds) a majority of my time was spent in patrolling the refuge.

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2. Protection.

During October and November (open season on migratory a majority of my time was spent in patrolling the refuge. No violations were noted. Most of the hunters have gone out of their way to cooperate in protecting the refuge. The usual concentration of hunters in this region from the more populated centers was lacking this year. This fact evidently accounts for the lack of violations, as the local people have always shown a deal of respect for the refuge boundaries.

No fires were reported during the fall fire season.

3. Improvements and Developments.

-3-

A combination garage, workshop, and coal house was constructed at the headquarters site in October at a cost of \$400. The garage and garage roof was later painted.

A storage cellar was built from extra lumber during spare time. This cellar was completed by the first of December.

Replaced original boundary posts around island lake with new larger posts found to be more satisfactory. With assistance of survey crew from the Division of Land Acquisition posted the McCready Addition. This survey crew ran the lines of the newly acquired Harris Tract and put up boundary posts but no boundary marking shields.

Worked on and completed Five Year Development Plan for the Crescent Lake Refuge.

4. Miscellaneous Activities.

Mr. Earnshaw and Mr. Dieffenbach each made a two day inspection trip over the refuge during October.

Made a trip to Lewellyn, Nebraska to investigate books and to get information regarding plans of Lakewater Carrying Company to lower their headgate on Crescent Lake.

Respectfully submitted,

William T. Kummes

Acting Supervisor, Crescent Lake Migratory Bird Refuge.

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