February - 1938

UNITED STATES DEPARTMENT OF AGRICULTURE BUREAU OF BIOLOGICAL SURVEY

Waubay Reports

Waubay Migratory Waterfowl Refuge Waubay, South Dakota Merch 11, 1938

Chief, Bureau of Biological Survey Washington, D. C.

Dear Sira

Monthly Biological Report and report of other activities from February 1, 1938 to February 28, 1938 on the Waubay Migratory Waterfowl Refuge.

Weather:

Precipitation for February was below normal. Only .47 inches were recorded. Four inches of snow fell during the month and on the 12th. and 15th. there was much sleet.

Temperatures were normal, there being twelve days on which sub-zero temperatures were recorded. The mean temperature for February was 12.4° F. The maximum temperature of 37° F. was recorded on the 11th. and the minimum, -25° F. occured February 18.

Eight days were clear, fourteen days were partly cloudy and only six days were cloudy.

Waterfowl:

The thirty-five Canada goese on this refuge got along very well during February and the seventy mallards continued to remain at the spring at Spring Lake. These ducks ate much corn at a self feeder placed at the waters edge. These birds became quite tame and an observer could approachwithin a few feet of them. Ring-necked pheasants and European partridge also fed at the self feeder placed for the ducks.

direct proportion to the reduction in numbers of rabbits and meadow mice.

Upland Game Birds:

The ring-necked pheasant population of this refuge is very good and all birds are doing well. No pheasants have been found dead this winter and it seems quite evident that the heavy losses of last winter on this refuge were due to food shortage.

Prairie chickens and sharp-tailed grouse are common but the numbers of grouse are much less than last year. Since no grouse are raised on this refuge but migrate in during the winter it seems evident that the shortage of birds here is not due to fewer birds but to better food conditions elsewhere which resulted in lighter migration.

European partridge are common and by the last of February were mated and were observed only in pairs.

Mammala:

Jackrabbits, cottontails and meadow mice are rare. A few coyotes are still seen on this refuge but the numbers are much smaller than those of last year. Weasel are common but skunk, mink, badger and raccoon are very rare.

Several feral house cats were killed during February but their numbers show a decided decrease over last year, probably due to our trapping and to the fact that the public is now killing their excess cats rather than leaving them to shift for themselves.

Grey squirrels are quite common in the wooded areas on this refuge and show a decided increase over last year. There are a few fox squirrels.

Waterlevels:

Materlevels of all lakes on this refuge in spite of low precipitation, have continued slowly to raise due to spring flow. With normal spring precititation, there will be ample water in all lakes and potholes in this country to carry the nesting population of ducks.

Refuge Improvement:

Thirty six hundred oak fence posts were cut on this

refuge during February. Only dead trees are cut. All brush has been piled to serve as bird shelters and to reduce fire hazard. All posts have been hauled and piled and twelve hundred have been barked and branded.

Several hundred logs and posts were gathered in woods for special purposes for other refuges.

Twenty-five cubic yards of rip-rap was removed from Dike No. 2 at the place of the leak. Six cubic yards of sand was hauled to be used in concrete work to repair the lead and extend the walls of the headgate. Twenty-five cords of wood and stumps hauled and burned to thaw the dam at the point of leakage. Fifteen cubic yards of clay was removed to get at the leak.

Work on the pionic shelter progressed quite rapidly this month. The frame plates, rafters, braces and stringers are about seventy percent complete.

The floor and walls of the basement of the cabin were painted this month.

Two 16AE and five "Slow" signs were set up in this refuge. Completed construction of eight signs and started three more. Also constructed two pionic tables. One chair and one bench were constructed from native oak for use at the refuge office.

The two Government trucks hauled the WPA men to and from work each work day. In addition, the trucks were used for hauling logs, posts, rock, etc. for use at the various projects. One trip was made to Brookings, S. Dak. for corn. Pifty bushels corn was shelled for feed.

Eight logs and three hundred seventy five posts were hauled by Sand Lake trucks for use on the Sand Lake Refuge.

Very truly yours,

Watson E. Boed

Refuge Manager.

WEB: 1h



Window Scene At Bradguarters Entrance
50_WBY_021



Shelter at Recreational Area Sp. wBy-022

OFFICE FURNITURE Constructed of native cak





50_WBY_023

SIGNS







SIDL WBYLOZH

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CODED ATIVE OPSERVERS! METEOROLOGICAL PECORD.

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MONTHLY SUMMARY

Mean maximum	TEMPERATURE	
Mean maximum		
DECOME INCOME UNIT,	22,4	
Mean minimum,	2,4	
Mean,		
	7; date,	
Minimum, - 2	5 ; date, /	18
	e,	
	PRECIPITATION	100
Total,	.47	inches
Greatest in 24 hours		14
	SNOW	(
Total snowfall,	14.00	inches
	6.00	inches
At end of month,	3,00	inches
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WEEKLY ITTHERARY AND REPORT OF ACTIVITIES

		S. Dak.
4	(Name)	(Address)
Period :		ratory Waterfowl Refuge
	(Day, Month, & Year)	Name of Refuge
DATE	: Outline of Work Perform	bed
Sun.		
Date		
Mon.		
45 ×		一年 香油品 。
Date		
		1 1 2 2 2 1 THE
Tues.	Cold-bright-little wind. Office work, corr	respondence, reports.
	Supervised all WPA works and MYA works. To	Maubay for materials
/1/38	needed. Large flocks of snow flakes, many	redpole.
Date	一致化。医家女性医医医生医 计二次 一个 1 1 1 1 1 1 1 1	· 10 10 10 10 10 10 10 10 10 10 10 10 10
	AL THE CONTRACTOR	
Wed.	Warmer-bright-some wind. Much office work	and comparisondence
HOU.	monthly reports, etc. Supervised and instr	
2/2/38		[1] [1] [1] [2] [2] [2]
Date		Debug A 76 Let 1 -
150	· 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Thurs.	Colder-bright-windy. Office work, correspondent	ondence. Distributed feet
India.	for upland game birds and ducks. Patroled	
2/3/38	were one but snow too deep to get close enough	
Date	harp-tailed grouse as compared to last yes	· · · · · · · · · · · · · · · · · · ·
	ALCOHOL: SERVICE AND ACCOUNTS OF	
Fr1.	Cold-cloudy-some wind. Office work, corres Supervision of WPA works, especially getting	
	transfer to Sand Lake Refuge. Sent men to	
2/4/38	B truck.	
Date	By was to a second a SE Collins	
Sat.	Warmer-bright-little wind. Patroled entire	
	geese. To Waubay on refuge business. Deli	vered NPA obsoks.
2/5/38	8 E E E E E E E E E E E E E E E E E E E	
Date		- I we to B - B -
Dam 11 Page	70.	:
REMARKS	KS: A S B R A S W S S S A S S S S S S S S S S S S S	
	: (Fi	eld Official in Charge)
	CERRE OF SHADOW BUILDING	

To be prepared and mailed to the Bureau promptly at end of each week occurring wholly within each calendar month; cover periods of less than a week at the beginning or end of any calendar month by separate report.

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- Cel. 1 Fill in date each day.
- * 2 Show hours spent in general administration and supervision, both field and office; instructions to field personnel.
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- * 11 Show hours spent in predatory animal control.
- # 12 Show hours spent on activities not otherwise listed. Outline in detail on reverse side of form.
- 13 Show hours off duty, including holidays, sick leave, and annual leave.

WEEKLY INTERPART AND REPORT OF ACTIVITIES

ALTER PORT CHI	n B. Beed	Waubay, South Dakota
	(Name)	(Address)
Pariot :	from 2/6/38 to 2/12/38	Waubay Higratory Waterfowl Hefuge
realou.	(Day, Month, & Year)	(Name of Refuge
DAME	Cotton	of Work Performed
DATE Sun.		or work Performed portion of refuge.
	Cared for refuge geese. Repor	
2/8/38		
Date		OF THE PROPERTY OF STREET
1		
Mon.	Cold-dark-disagraphia, Suparu	rised all WPA works and loading out of
MOH.		s on trucks from Sand Lake Refuge.
2/7/38	Office work, correspondence, r	
Date		and the second of the second o
Date		
-	Cold-name energlittle wind C	areful supervision and instructions
Tues.		correspondence. Losded out posts
2/8/38	for Sand Lake. Conference in	evening with Chandler Young, Manager
Date	of the LaCreek Refuge.	- Sur Later Community of the Community o
Date		
	the site to be to be at the	AN Charles Van Laborator
Wed.		ith Chandler Young on complete in- A works. Office work, correspondence,
2/9/38	monthly reports.	
Date	20022378887	
Dave	dealered to be	
Thurs.	Cold-some gnow-windy. Supervi	sed entire WPA works. To Webster on
Thurs.		aubay to inquire about trains and
2/10/38		. Office work, correspondence, re-
Date	ports.	A STATE OF THE STA
Dave		
Fri.		ce work, correspondence. Worked on rican Wildlife Conference. Supervised
/11/38		2. Instructions to NPA workers
111/00	relative to work during absence	
-	Acres 10 to	
Date		
Date Sat.	Harm-bright-little wind. Offi	ce work, correspondence. Freparations
Sat.	for trip to Beltimore and Week	ington, D. C. Boarded train at
Sat.	Harm-bright-little wind. Offi for trip to Baltimore and Wash Waubay, S. Dak. at 5:00 PM.	ington, D. C. Boarded train at
Sat.	for trip to Beltimore and Week	ington, D. C. Boarded train at
Sat. 2/12/38 Date	for trip to Baltimore and Wash Waubay, S. Dak. at 5:00 PM.	ington, D. C. Boarded train at
Sat. 2/12/38	for trip to Baltimore and Wash Waubay, S. Dak. at 5:00 PM.	ington, D. C. Boarded train at (Field Official in Charge)

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- Cel. 1 Fill in date each day.
- 2 Show hours spent in general administration and supervision, both field and office; instructions to field personnel.
- 3 Show hours spent on enforcement, patrol, and court attendance.
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- 13 Show hours off duty, including holidays, sick leave, and annual leave.

WEEKLY ITTHERARY AND REPORT OF ACTIVITIES

	Watson E. Beed	Waubay, South Dakota
	(Name)	(Address)
Period	from2/13/38 t2/19/38	aubay Migratory Waterfowl Befuge
	(Day, Month, & Year)	(Name of Refuge
DATE	: Outline of W	ork Performed
Sun.		
	Enroute to Baltimore, Maryland.	
/13/38		1 2 2 2 3 3
Date		
	THE RESERVE THE PROPERTY OF TH	
Mon.		
	Arrived Baltimore, Ma. at 8:00 AM.	Attended Wildlife Conference
/14/38	dessions.	
Date		
Tues.		
		erence. Gave paper on fur bearers
/15/38	im realtion to upland game birds i	n wanter.
Date		
	14 14 14 14 14 14 14 14 14 14 14 14 14 1	
Wed.		
wet.	Attended sessions of Wildlife Conf	erence.
126/20		
/16/38 Date		
Thurs.	Attended sessions of Wildlife Conf	erence in morning. In afternoon
Indis.	to Washington, D. C. Conference	
halva		
/17/38 Date		
Date		
Fri.	Conference with Bureau Officials	elative towork on Naubay Refuge.
/18/38	THE RESERVANCE OF THE PARTY OF	I I B Sale
Date		
Sat.	Conference with sureau Ufficials.	Boarded train to return to
	officail station, 5:00 PM.	
/19/38		
Date		
REMARKS	<u> </u>	
REMARKS	TARBARARERAL NACE TO THE	
	THE RELEGIES OF THE PARTY OF TH	(Field Official in Charge)
	A STREET OF THE PARTY OF THE STREET, S	

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WEEKLY ITTUERANT AND REPORT OF ACTIVITIES

	(Name		(Address)	
Period f	rom 2/20/38	to 2/26/38 Month, & Year)	Name of Refr	erfowl hefuge
2455	(Day)			
DATE Sun.	:	Outline	of Work Performed	
2/20/38 Date	Enroute	Allow the		
Mon.	Arrived in W	aubay at 4:40 AM.	Arrive at Official Sta	tion 9:00 AM.
2/21/38 Date	Checked corn	sapondence and pro	ogressof work on refuge	during ebsence.
Tues.	Ped refuge g	eese. Patroled p	ortion of refuge.	
2/22/38 Date	\$ \$ \$			THE REAL PROPERTY.
	Cold-bright- Delivered NP		ice work, correspondence	. reports.
2/23/38 Date				
	Cold-bright- Delivered MP	little wind. Off: A checks.	ice work, correspondence	, reports.
2/24/36 Date				
Fri.	Cold-bright-	no wind. Office v	work, correspondence, WP	A reports.
2/25/38 Date			+41+1+	HE
	To Naubay on	refuge business.	work, correspondence.	Patroled refuge
2/26/38 Date				
REMARKS:	0 7 6 7 6 7 7			
REMARKS:				34.0

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WEEKLY INTREPART AND REPORT OF ACTIVITIES

	Natson E. Beed	And the same of th	FIELLE	bay, South	Derkock
	(Name)	1 1 12		(Add:	ress)
Pariod i	from 2/27/38	to 2/28/38	Haulay	Mi ratory	Waterfowl Mefuge
	(Day, Mon	th, & Year)		(Name of	
DATE	:	Outline	of Work Per	formed	
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REMARKS:	TALLEY EL		:		
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