

December - 1937

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD:

Month of December, 1937; Station, Webster; County, Day
State, S. Dak.; Latitude, _____; Longitude, _____; Time used on this form, C. S.

DATE	TEMPERATURE				PRECIPITATION					PREVAILING WIND DIRECTION	CHARACTER OF DAY, SUNRISE TO SUNSET	† MISCELLANEOUS PHENOMENA
	MAXIMUM	MINIMUM	RANGE	* SET MAX.	TIME OF BEGINNING	TIME OF ENDING	‡ AMOUNT	SNOWFALL, IN INCHES	DEPTH OF SNOW ON GROUND AT TIME OF OBSERVATION			
	1	2	3	4	5	6	7	8	9			
1	29	2		25					1.00	S	0	Aurora 6 a.m. + 11
2	40	18		24						SW	0	" 1 a.m.
3	40	16		31					Trace	SW	0	
4	31	2		2	7 AM	9 PM		3r		W	0	2 p.m. blizzard
5	28	-12		-3						W	0	
6	16	-13		13	6 PM					S	0	
7	16	-3		-3		9 a.m.	.02	.50	5.0	W	0	
8	3	-9		-4						W	0	⊕ Stormy
9	2	-15		-10						W	0	
10	6	-15		-3						SW	0	
11	20	-7		18						SE	0	
12	19	13		16	8 a.m.	8 a.m.	.04	.50		SE	0	⊕
13	23	13		13			4r	3r		SE	0	⊕
14	23	0		14		8 a.m.	3r	3r		SE	0	
15	29	14		24					1.00	SW	0	
16	35	24		29						S	0	
17	33	24		26						SW	0	Windy 6 AM. Evening
18	26	11		11	9 AM		.03	.50		NE	0	⊕ Heavy frost
19	30	10		10	8 a.m.	8 a.m.	.03	.50	2.00	NE	0	⊕
20	27	-15		23						SW	0	
21	34	20		29	9:30 a.m.	3 PM	.08	4r		SW	0	⊕ Rain turns to snow noon
22	31	1		10	8 a.m.	8 a.m.	4r	3r		W	0	⊕ Windy 4 to NW. Evening
23	20	3		10	8 a.m.	5 PM	.04	.50	2.50	NE	0	⊕
24	12	-10		-7						NE	0	Solar halo 8:20 a.m.
25	12	-13		6						SW	0	
26	12	-12		10						SE	0	
27	35	10		26						S	0	Windy 4 to NW. 4 PM. Auroras, 1-2
28	29	-5		9						SE	0	
29	28	2		20						SE	0	
30	25	7		21						SE	0	
31	21	9		10	7 AM	1 PM	.05	.70	2.20		0	⊕
SUM							.29	3.20				
MEAN												

* Reading of maximum thermometer immediately after setting.
† Including rain, hail, sleet, and melted snow.
‡ Thunderstorms, halos, auroras, etc.

MONTHLY SUMMARY

TEMPERATURE

Mean maximum, 23.6
Mean minimum, 6
Mean, 14.8
Maximum, 40; date, 2-3
Minimum, -15; date, 9-10-20
Greatest daily range, _____

PRECIPITATION

Total, .29 inches
Greatest in 24 hours, .08; date, 21

SNOW

Total snowfall, 3.20 inches
On ground 15th, 1.00 inches
At end of month, 3.20 inches

NUMBER OF DAYS—

With .01 inch or more precipitation, 7
Clear, 11; partly cloudy, 11; cloudy, 9

DATES OF—

Light, _____
Fog, _____
Dense, _____
Killing frost, _____
Thunderstorms, _____
Hail, _____
Moderate, _____
Heavy, _____
Sleet, _____
Auroras, 1-2

REMARKS:

The rain on the 21st. was rather unusual for this time of the year.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY

Waubay Migratory Waterfowl Refuge
Waubay, South Dakota
January 10, 1938

Waubay Reports

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

Dear Sir:

Monthly Biological report and report of other activities
from December 1, 1937 to December 31, 1937 on the Waubay Migratory
Waterfowl Refuge.

Weather:

The weather during December was exceptionally dry with a
total precipitation of only .29 of an inch. This was even less than
precipitation for November when .38 of an inch was recorded.

This precipitation came as snow with the exception of a
shower on December 21. Rain at this time of year is unusual here.
The amount of snow now on the ground is about four inches.

Temperatures were about normal. During twelve days, sub-
zero temperatures were recorded. The maximum temperature was 40° F.
and minimum, -15° F. The mean for December was 14.8° F.

Waterfowl:

Seventy mallard ducks remain on this refuge. These birds
spend their nights on the spring at Spring Lake. This water never
freezes. The ducks are fed grain at the spring but they also do much
foraging. The Canada geese at this refuge are kept in their house
during severe weather. A heated water fount furnishes water for them
and grain is fed in self feeders. They are also given barley sheaves
and corn fodder. The geese eat the corn leaves and much of the stocks
of the good fodder.

Raptors:

Snowy owls were quite common during December but evidently
do no damage to upland game but confine their feeding to rabbits and
mice. Golden eagles and rough-leg hawks are often seen. Great-horned
owls are less plentiful than last year at this time. Screech owls and
long-eared owls were seen this month.

Upland Game Birds:

Pheasants are quite plentiful which is quite a surprise

from early indications. Prairie chickens are common; there being about 200 on this refuge. These birds for the most part are migrants but since we have food patches in which they feed and an abundant crop of rosehips, it is hoped they will remain. Red hawthorne berries are also a favorite food of the prairie chicken. No sharp-tailed grouse have as yet visited this refuge. European partridge are common but show no increase or decrease over last year.

Mammals:

Six coyotes were killed on this refuge during December. The animals were in all cases shot on the lakes. The animals are easily frightened out of the woods by blowing a car horn, once on the lake, they may be easily overtaken by a car and shot. The stomach contents of the six coyotes killed this month was carefully examined. Five stomachs contained feathers of domestic fowls. Five stomachs contained fur and bones of jackrabbits and cottontails. Three stomachs contained meadow mice. One stomach contained hide and bristles of a hog. Only one stomach contained a small amount of wool.

One mink, one feral house cat and several weasel were trapped during December.

Twenty six jackrabbits were killed this month. Both jackrabbits and cottontails are fewer than last year and it is evident that the extensive damage to shrubs by rabbits will not occur this winter. White-footed mice and voles are scarce which is the exact reverse of last year when these animals were extremely plentiful. This lack of buffer animals may result in a different story than that of last year in the relationship of predators to upland game. However, with the exception of the coyote, predators also are reduced in numbers when compared to last year at this time.

Three deer have evidently chosen this refuge for their feeding grounds. These animals are mule deer and although the animals themselves are seldom seen, their tracks are often seen. It is not certain whether we have two does and one buck or two bucks and one doe.

Waterlevels:

Waterlevels of all lakes on this refuge raised during December because of increased spring flow and reduced evaporation.

During the latter part of December, Spring Lake Dike No. 2 developed a bad leak. At first it was believed that ice had jammed the spillway but further investigation revealed that freezing around the 30" control gate culvert had caused cracks which allowed the water to start through. Once started, the break quickly widened. When the break was observed the control gate was immediately opened to drop the water level below the danger point. Sand bags were placed in the canal leading the water from Dike No. 1 to Dike No. 2. This prevented lowering the water in Dike No. 1. A spillway was provided so that the waterlevel of Dike No. 1 would not be raised unduly. Repair work was started at once but it was decided to await warmer weather before completing the repair.

Refuge Improvement:

800 oak fence posts were cut, peeled, branded and piled. 100 rods of snow fences were repaired and 100 rods of new snow fences were constructed. Five refuge signs were finished and placed. Many other refuge signs are finished or under construction. A filing cabinet for government forms was made of oak lumber cut on this refuge. Seven islands built last year were carefully rip-rapped with rock. Several islands were constructed of straw and waste hay and weeds. These islands were anchored with rocks. Three cords of wood were sawed for use in the WPA office and in the refuge office. Much lumber was sawed for building refuge signs and for transfer to the Sand Lake and LaCreek Refuges.

United States Indian Service trucks hauled 55 loads of dead and down timber for use as fuel for destitute Indians. This was soft wood, unsuitable for fence posts and its removal from the woods will be advantageous to wildlife and new growth.

140 bushels of corn was picked and stored in the refuge granary and eight bushels of seed corn was selected for next years planting.

Very truly yours,

Watson E. Beed
Refuge Manager.

WEB:lh

SIGNS



Two views of same sign

50-WBY-012



50-WBY-013



Refuge Sign

SD-WBY-014



Oak fence posts out on this refuge being
piled--only dead trees are out.

SD-WBY-015



Break in Spring Lake Dike No. 2. Control gate is open but water may be seen coming through dam.

50-WBY-016



Beginning repair of break in Spring Lake Dike No. 2. Water still flowing through control gate.

50-WBY-017



50-WBSY-018
Entrance to Recreational Area



50-WBSY-019
Coyotes killed during December



50-WBSY-020
Temporary snow fence--this fence can be rolled up when no longer needed for use another season.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY
Division of Migratory Waterfowl

WEEKLY ITINERARY AND REPORT OF ACTIVITIES

Natson E. Reed
(Name)

Haubay, South Dakota
(Address)

Period from 12/1/37 to 12/4/37
(Day, Month, & Year)

Waubay Migratory Waterfowl Refuge
(Name of Refuge)

DATE	Outline of Work Performed
Sun.	
Date	
Mon.	
Date	
Tues.	
Date	
Wed.	Cold-bright-little wind. Instructions to new WPA shift. Instructions to all WPA foremen. Supervision of NYA work on signs. Killed two coyotes. Started rip-rap of islands.
12/1/37	
Date	
Thurs.	Warmer-bright-no wind. Patrolled entire refuge hunting coyotes. Killed one female coyote on Spring Lake. Instructed and supervised NYA boys on sign construction. Killed two feral house cats caught in box traps.
12/2/37	
Date	
Fri.	Warmer-bright-little wind. Supervised NYA boys on sign construction. Supervision of all WPA works. Office work, correspondence. Located new snow fences and supervised repair of old ones. To Grenville on WPA business.
12/3/37	
Date	
Sat.	Colder-snow-windy. Office work, correspondence. To Webster to get additional certifications for our WPA force to replace men who have taken private employment.
12/4/37	
Date	
REMARKS:	
	(Field Official in Charge)

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.

TIME DISTRIBUTION

-- Activities --														
Day of Week	Day, Mo., & Yr.	Adminis- tration	Law Enforce- ment	General Mainten- ance	Prepara- tion of Refuge Plans	Re- search and Investi- gation	Public Contacts and Rela- tions	Land Acquisi- tion and Trespass	General Office Work Public Works (ECW, etc.)	Preda- tory Animal Con- trol	Miscel- aneous	Off Duty		
		1	2	3	4	5	6	7	8	9	10	11	12	13
Sun.														
Mon.														
Tues.														
Wed.	12-1-37	1							2	2	4			
Thurs.	12-2-37	1	2						2	2	2			
Fri.	12-3-37	1		2	2				2	1	1			
Sat.	12-4-37	1							1	5				
Total	4 days	3	2	2	2				7	10	7			

(Form to be completely filled in each week using ink or typewriter and approved by immediate superior in space provided).

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.

4 - Show hours spent in general refuge maintenance and repair, including buildings and equipment; fire suppression.

5 - Show hours spent on project plans; management plans; development plans.

6 - Show hours spent on research work and investigation; bird counts, nesting, etc.

7 - Show hours spent in public contact; lectures, talks, demonstrations, conferences, school, press, etc.

8 - Show hours spent on lands, including permits, trespass, sale of products, etc.

9 - Show hours spent in office routine, reports, correspondence, etc.

10 - Show hours spent on CCC and other public works supervision.

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.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY
Division of Migratory Waterfowl

WEEKLY ITINERARY AND REPORT OF ACTIVITIES

<u>Watson E. Beed</u>		<u>Waubay, South Dakota</u>
(Name)		(Address)
Period from <u>12/5/37</u> to <u>12/11/37</u>		<u>Waubay Migratory Waterfowl Refuge</u>
(Day, Month, & Year)		(Name of Refuge)
DATE	:	Outline of Work Performed
Sun.	:	Cold-bright-windy. Set up water fountain for refuge geese. Patrolled portion of refuge hunting coyotes.
<u>12/5/37</u>	:	
Date	:	
	:	
Mon.	:	Cold-snow-some wind. Office work and correspondence. Supervised all WPA works. To Waubay and Webster on WPA and refuge business.
<u>12/6/37</u>	:	
Date	:	
	:	
Tues.	:	Very cold-partly cloudy-windy. Much office work and correspondence. Patrolled entire refuge hunting coyotes. Supervision of all WPA works.
<u>12/7/37</u>	:	Inspection of all island rip-raping and construction of signs etc. at carpenter shop.
Date	:	
	:	
Wed.	:	Cold- -12° F.-bright-some wind. Office work, correspondence. Monthly report and other refuge reports. Supervision of WPA and NYA works. Patrolled entire refuge.
<u>12/8/37</u>	:	
Date	:	
	:	
Thurs.	:	Cold- -16° F.-bright-windy. Office work-correspondence. Spent much time on suggested WPA work project for next six month period. To Waubay on refuge business.
<u>12/9/37</u>	:	
Date	:	
	:	
Fri.	:	
	:	
<u>12/10/37</u>	:	On leave.
Date	:	
	:	
Sat.	:	
	:	
<u>12/11/37</u>	:	On leave.
Date	:	
	:	
REMARKS:	:	
	:	
	:	(Field Official in Charge)
	:	

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.

TIME DISTRIBUTION

-- Activities --														
Day of Week	Day, Mo., & Yr.	Adminis- tration & Supervi- sion	Law Enforce- ment Patrol	General Mainten- ance and Repair	Prepara- tion of Refuge Plans	Re- search and Investi- gation	Public Contacts and Rela- tions	Land Acquisi- tion and Trespass	General Office Work Public Works (ECW, etc.)	Supervi- sion	Preda- tory Animal Control	Miscel- aneous Duty	Off	
		1	2	3	4	5	6	7	8	9	10	11	12	13
Sun.	12-5-37			4	2 2					2	2		2	2
Mon.	12-6-37			2						3 3	* 3		3	
Tues.	12-7-37			2 2						5	2			
Wed.	12-8-37			3						3 2	2			
Thurs.	12-9-37				4					4				
Fri.	12-10-37													
Sat.	12-11-37													
Total	7 days			11	6					15	7		3	2

(Form to be completely filled in each week using ink or typewriter and approved by immediate superior in space provided).

Col. 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.
- " 4 - Show hours spent in general refuge maintenance and repair, including buildings and equipment; fire suppression.
- " 5 - Show hours spent on project plans; management plans; development plans.
- " 6 - Show hours spent on research work and investigation; bird counts, nesting, etc.
- " 7 - Show hours spent in public contact; lectures, talks, demonstrations, conferences, school, press, etc.
- " 8 - Show hours spent on lands, including permits, trespass, sale of products, etc.
- " 9 - Show hours spent in office routine, reports, correspondence, etc.
- " 10 - Show hours spent on CCC and other public works supervision.
- " 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.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY
Division of Migratory Waterfowl

WEEKLY ITINERARY AND REPORT OF ACTIVITIES

Watson E. Peed

(Name)

Haubay, South Dakota

(Address)

Period from 12/12/37 to 12/18/37
(Day, Month, & Year)

Haubay Migratory Waterfowl Refuge
(Name of Refuge)

DATE	Outline of Work Performed
Sun.	
<u>12/12/37</u>	On Leave
Date	
Mon.	
<u>12/13/37</u>	On Leave
Date	
Tues.	
<u>12/14/37</u>	On Leave
Date	
Wed.	
<u>12/15/37</u>	On Leave
Date	
Thurs.	Fair-bright-no wind. Much office work, correspondence. * Checked all WPA work accomplished during my absence. Killed two coyotes. Patrolled entire refuge.
<u>12/16/37</u>	
Date	
Fri.	Fair-bright-little wind. Office work--WPA work program for next six months. Supervised WPA work in carpenter shop on signs, picnic tables etc. Supervised post cutting. Patrolled entire refuge.
<u>12/17/37</u>	
Date	
Sat.	Colder-bright-some wind. Patrolled portion of refuge. To Webster to secure assignment of additional WPA workers.
<u>12/18/37</u>	
Date	
REMARKS:	
	(Field Official in Charge)

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.

TIME DISTRIBUTION

-- Activities --														
Day of Week	Day, Mo., & Yr.	Adminis- tration and Supervi- sion	Law Enforce- ment Patrol	General Mainten- ance and Repair	Prepara- tion of Refuge Plans	Re- search and Investi- gation	Public Contacts and Public Rela- tions	Land Acquisi- tion and Trespass	General Office Work Public Works (ECW, etc.)	Preda- tory Animal Con- trol	Miscel- aneous Duty	Off		
		1	2	3	4	5	6	7	8	9	10	11	12	13
Sun.	12-12-37	on leave												
Mon.	12-13-37	on leave												
Tues.	12-14-37	on leave												
Wed.	12-15-37	on leave												
Thurs.	12-16-37		2			4				3		2		
Fri.	12-17-37		2			4					3			
Sat.	12-18-37		1										6	
Total	7 days		5			8				3	3	2	6	

(Form to be completely filled in each week using ink or typewriter and approved by immediate superior in space provided).

Col. 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.
- " 4 - Show hours spent in general refuge maintenance and repair, including buildings and equipment; fire suppression.
- " 5 - Show hours spent on project plans; management plans; development plans.
- " 6 - Show hours spent on research work and investigation; bird counts, nesting, etc.
- " 7 - Show hours spent in public contact; lectures, talks, demonstrations, conferences, school, press, etc.
- " 8 - Show hours spent on lands, including permits, trespass, sale of products, etc.
- " 9 - Show hours spent in office routine, reports, correspondence, etc.
- " 10 - Show hours spent on CCC and other public works supervision.
- " 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.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY
Division of Migratory Waterfowl

WEEKLY ITINERARY AND REPORT OF ACTIVITIES

Watson E. Beed

(Name)

Waubay, S. Dak.

(Address)

Period from 12/19/37 to 12/25/37

(Day, Month, & Year)

(Name of Refuge)

DATE : Outline of Work Performed

Sun. Warm-snow storm-little wind. Cared for refuge geese. Fed ducks and
geese corn. Conference with Philip DuMont, Mgr. Sand Lake Refuge.

12/19/37

Date :

Mon. Cold -14° F.-cloudy-high wind. Many complaints from public on con-
tractor removing stones from cormorant and gull rookery on Waubay Lake.

12/20/37

Date :

Wired Washington Office on this matter. Went to see contractor and
he agreed to stop hauling the rocks at once. Office work, correspondence.
Supervised the WPA work on this refuge.

Tues. Warm-some rain, sleet and snow. Much office work, reports, NYA pay-
roll. Supervision of WPA works. Patrolled entire refuge. Tracks

12/21/37

Date :

of two deer on refuge. Many pheasants using shelters and food patches.
About 150 prairie chickens on this refuge.

Wed. Cold-bright-windy. Office work, correspondence. Supervision of making
of refuge signs and post cutting. It is evident that we can get out
between 20,000 and 40,000 oak posts without cutting any living trees.

12/22/37

Date :

Thurs. Cold-snow-high wind. Only two WPA men reported to work--some roads
blocked with snow. Delivered WPA checks. To Waubay on refuge business.

12/23/37

Date :

Patrolled refuge--fewer jackrabbits this year--still two or three
coyotes on this refuge.

Fri. Warmer-bright-little wind. To Brookings to collect AAA corn.
Picked up nine sacks of shelled corn. Office work, correspondence.

12/24/37

Date :

Delivered WPA checks.

Sat. Cold-bright-little wind. Cared for refuge geese. Patrolled portion
of refuge.

12/25/37

Date :

REMARKS:

(Field Official in Charge)

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.

TIME DISTRIBUTION

-- Activities --														
Day of Week	Day, Mo., & Yr.	Adminis- tration and Supervi- sion	Law Enforce- ment Patrol	General Mainten- ance and Repair	Prepara- tion of Refuge Plans	Re- search and Investi- gation	Public Contacts and Rela- tions	Land Acquisi- tion and Trespass	General Office Work Public Works (ECW, etc.)	Supervi- sion	Preda- tory Animal Control	Miscel- aneous Duty	Off	
		1	2	3	4	5	6	7	8	9	10	11	12	13
Sun.	12-19-37				2	2								
Mon.	12-20-37							5		2	2			
Tues.	12-21-37		2				1			3	2			
Wed.	12-22-37					3				2	2		1	
Thurs.	12-23-37		2		1					1	1		4	
Fri.	12-24-37				1					1			6	
Sat.	12-25-37		1		1									
Total	7 days		5		5	5	1	5		9	7		11	

(Form to be completely filled in each week using ink or typewriter and approved by immediate superior in space provided).

Col. 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.
- " 4 - Show hours spent in general refuge maintenance and repair, including buildings and equipment; fire suppression.
- " 5 - Show hours spent on project plans; management plans; development plans.
- " 6 - Show hours spent on research work and investigation; bird counts, nesting, etc.
- " 7 - Show hours spent in public contact; lectures, talks, demonstrations, conferences, school, press, etc.
- " 8 - Show hours spent on lands, including permits, trespass, sale of products, etc.
- " 9 - Show hours spent in office routine, reports, correspondence, etc.
- " 10 - Show hours spent on CCC and other public works supervision.
- " 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.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY
Division of Migratory Waterfowl

WEEKLY ITINERARY AND REPORT OF ACTIVITIES

Watson E. Beed

(Name)

Waubay, South Dakota

(Address)

Period from 12/26/37 to 12/31/37

(Day, Month, & Year)

Waubay Migratory Waterfowl Refuge

(Name of Refuge)

DATE	Outline of Work Performed
Sun.	Cold-bright-some wind. Fed refuge geese. Patroled portion of refuge.
<u>12/26/37</u>	
Date	
Mon.	Fair-bright-no wind. Office work, correspondence. Supervision of repair to Spring Lake Dike No. 2. Necessary to drain this dike to make repairs. Ice had jammed spillway. Conference with Mr. Lampe, Landscape Architect.
<u>12/27/37</u>	
Date	
Tues.	Colder-bright-little wind. Office work, reports. Supervision of repair to Spring Lake Dike No. 2. Supervision of sign construction.
<u>12/28/37</u>	
Date	
Wed.	Cold-bright-little wind. Patroled entire refuge. Saw tracks of two deer in snow. Many pheasants, about 200 prairie chickens. Office work, reports. Supervision of WPA works. To Waubay on refuge business.
<u>12/29/37</u>	
Date	
Thurs.	Warmer-bright-little wind. Conference with Jesse G. Smith, WPA Administration Officer on WPA works on this refuge, inspection of work accomplished by WPA. Office work, correspondence. Patroled portion of refuge--pheasants very numerous--about 70 mallards at spring at Spring Lake.
<u>12/30/37</u>	
Date	
Fri.	Blizzard-snow-high wind. Only four WPA men reported to work. Visibility almost zero. WPA Time Report--property reports--inventories.
<u>12/31/37</u>	
Date	
Sat.	
Date	
REMARKS:	
	(Field Official in Charge)

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.

TIME DISTRIBUTION

-- Activities --														
Day of Week	Day, Mo., & Yr.	Adminis- tration and Supervi- sion	Law Enforce- ment and Patrol	General Mainten- ance and Repair	Prepara- tion of Refuge Plans	Re- search and Investi- gation	Public Contacts and Rela- tions	Land Acquisi- tion and Trespass	General Office Work Public Works (ECW, etc.)	Preda- tory Animal Con- trol	Miscel- aneous	Off Duty		
		1	2	3	4	5	6	7	8	9	10	11	12	13
Sun.	12-24-37		2	1										
Mon.	12-25-37			3	2				2	1				
Tues.	12-26-37			2					3	4				
Wed.	12-27-37		3	2					2	2				
Thurs.	12-30-37		2						2	1		3		
Fri.	12-31-37								5	1		2		
Sat.														
Total	6 days		7	8	2				14	9		5		

(Form to be completely filled in each week using ink or typewriter and approved by immediate superior in space provided).

Col. 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.
- " 4 - Show hours spent in general refuge maintenance and repair, including buildings and equipment; fire suppression.
- " 5 - Show hours spent on project plans; management plans; development plans.
- " 6 - Show hours spent on research work and investigation; bird counts, nesting, etc.
- " 7 - Show hours spent in public contact; lectures, talks, demonstrations, conferences, school, press, etc.
- " 8 - Show hours spent on lands, including permits, trespass, sale of products, etc.
- " 9 - Show hours spent in office routine, reports, correspondence, etc.
- " 10 - Show hours spent on CCC and other public works supervision.
- " 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.