

CODE	
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# Raptor Movements

Contributor's Name Roger Di Rosa

## Falconiformes

Date 6/8/78

Species	Average Arrival Date	Average Departure Date	Non-Migratory	Comments
Bald Eagle ✓	April then depart until late Oct., Nov. through Dec. then depart until April again			the eagles we get are probably out of the main corridor along the Hb. River
Golden Eagle ✓				most common in winter
Goshawk ✓				spring and fall
Sharp-shinned Hawk ✓				spring and fall
Cooper's Hawk ✓				
Harrier (Marsh Hawk) ✓	as early as Feb. in mild years			occasional in winter nests
Gyr Falcon				
Prairie Falcon				nests and individuals seen throughout winter
Peregrine Falcon				more in spring or fall
Merlin ✓				spring and fall
American Kestrel ✓	as early as Feb. in mild years			nests
Osprey				
Turkey Vulture ✓				occurs but is not common
Red-tailed Hawk ✓				nests
Swainson's Hawk ✓				nests
Rough-legged Hawk ✓				occasional in winter
Ferruginous Hawk ✓				nests
Broad-winged Hawk				
Red-shouldered Hawk				

Strigiformes

Date 6/8/78

Species	Average Arrival Date	Average Departure Date	Non- Migratory	Comments
Barn Owl ✓				
Screech Owl				
Flammulated Owl				
Great Horned Owl ✓			✓	nester
Snowy Owl ✓	highly variable late fall to midwinter	late winter		
Hawk Owl				
Pygmy Owl				
Burrowing Owl ✓				nester spring to fall
Spotted Owl				
Barred Owl				
Great Gray Owl				
Long-eared Owl ✓				nester, seen throughout year, most common spring to fall
Short-eared Owl ✓				seen throughout year most common in spring & summer, nester
Boreal Owl				
Saw-whet Owl				

Do you know of anyone else knowledgeable about raptors who would be willing to contribute?

Name DENNIS FLATH

Name \_\_\_\_\_

Address RESEARCH PARK BLVD

Address \_\_\_\_\_

BOX 5 - MSU CAMPUSBOZEMAN, MT 59717



MONTANA DEPARTMENT OF FISH AND GAME  
NONGAME WILDLIFE INVESTIGATIONS

RAPTOR SURVEY

9.2  
30.8  
40.0

ROUTE SHERIDAN NUMBER L-12

Start Finish Month Day Year  
DATE 01 08 79

MILEAGE 130.4 191.2 60.5 Total  
WIND SPEED 3 3 Start Finish

OBSERVERS STEVE BREESER JAY BELLINGER SKY 1 1

MAILING ADDRESS MEDICINE LAKE, MONTANA ZIP CODE 59247

Species	Number of Birds			Total
	Adult	Immature	Unclassified	
Turkey vulture				
Goshawk				
Sharp-shinned hawk				
Cooper's hawk				
Red-tailed hawk				
Swainson's hawk				
Rough-legged hawk				
Ferruginous hawk				
Golden eagle				
Bald eagle				
Marsh hawk				
Osprey				
Gyr falcon				
Prairie falcon				
Peregrine falcon				
Pigeon hawk				
Sparrow hawk				
Other:				
<u>Great Horned owl</u>			<u>1 (47.4)*</u>	<u>1</u>
<u>Unidentified</u>				
TOTALS			<u>1</u>	<u>1</u>

Notes: \* This is odometer mileage from start.  
Although we didn't count any hawks we have  
seen quite a few prairie falcons, Golden eagles,  
and snowy owls this winter.

Return form to:  
Dennis L. Flath, Biologist  
Montana Dept. of Fish & Game  
Box 5 - MSU Campus  
Bozeman, MT 59715

1779

MONTANA DEPARTMENT OF FISH AND GAME  
NONGAME WILDLIFE INVESTIGATIONS

RAPTOR SURVEY

ROUTE

5 HERMAN

NUMBER

L-12

TIME

Start

Finish

0730 0952

Month

Day

Year

DATE

06 04 79

MILEAGE

466.9 527.2 860.3

WIND SPEED

Start

Finish

2 2

OBSERVERS

Steve Greaser Jay Bellinger

SKY

1 1

MAILING ADDRESS

MEDICINE LAKE, MONTANA

ZIP CODE

59247

Species	Number of Birds			Total
	Adult	Immature	Unclassified	
Turkey vulture				
Goshawk				
Sharp-shinned hawk				
Cooper's hawk				
Red-tailed hawk				
Swainson's hawk	1			1
Rough-legged hawk	1			1
Ferruginous hawk	1			1
Golden eagle				
Bald eagle				
Marsh hawk	1/11			4
Osprey				
Gyr Falcon				
Prairie falcon				
Peregrine falcon				
Merlin				
Kestrel				
Other:				
Burrowing owl	11			2
Unidentified				
TOTALS	9			9

Notes:

Return form to:

Dennis L. Flath, Biologist  
Montana Dept. of Fish & Game  
Box 5 - MSU Campus  
Bozeman, MT 59717



1/77

MONTANA DEPARTMENT OF FISH AND GAME  
NONGAME WILDLIFE INVESTIGATIONS

RAPTOR SURVEY

ROUTE Sheridan NUMBER L-12

TIME 0735 1115 DATE 06 01 78

MILEAGE 4821.7 4880.0 Total 58.3 WIND SPEED 2 2 SKY 1 2

OBSERVERS Roger Di Rosa

MAILING ADDRESS Medicine Lake Wildlife Refuge, Medicine Lake, MT ZIP CODE 59247

Species	Number of Birds			Total
	Adult	Immature	Unclassified	
Turkey vulture				
Goshawk				
Sharp-shinned hawk				
Cooper's hawk				
Red-tailed hawk				
Swainson's hawk	1111			4
Rough-legged hawk				
Ferruginous hawk	3			3
Golden eagle				
Bald eagle				
Marsh hawk				
Osprey				
Gyr Falcon				
Prairie falcon				
Peregrine falcon				
Pigeon hawk				
Sparrow hawk				
Other:				
Unidentified				
TOTALS				7

Notes:

Return form to:  
Dennis L. Flath, Biologist  
Montana Dept. of Fish & Game

MONTANA DEPARTMENT OF FISH AND GAME  
NONGAME WILDLIFE INVESTIGATIONS

RAPTOR SURVEY

ROUTE SHERIDAN NUMBER 2-12  
 Start Finish Month Day Year  
 TIME 0900 1120 DATE 01 13 78  
 MILEAGE 447.0 506.2 59.2 Total  
 WIND SPEED 0 0 Start Finish  
 OBSERVERS STEVE BREESER ROGER D. ROSA SKY 2 2  
 MAILING ADDRESS MEDICINE LAKE MONTANA ZIP CODE 59247

Species	Number of Birds			Total
	Adult	Immature	Unclassified	
Turkey vulture				
Goshawk				
Sharp-shinned hawk				
Cooper's hawk				
Red-tailed hawk				
Swainson's hawk				
Rough-legged hawk				
Ferruginous hawk				
Golden eagle				
Bald eagle				
Marsh hawk				
Osprey				
Gyr falcon				
Prairie falcon	<u>F</u>			
Peregrine falcon				
Pigeon hawk				
Sparrow hawk				
Other:				
Unidentified				
TOTALS	<u>1F</u>			

Notes:

Return form to:  
Dennis L. Flath, Biologist  
Montana Dept. of Fish & Game  
Box 5 - MSU Campus  
Bozeman, MT 59715



State: Ut Area to be covered Med. LK. NWR

Date(s) survey made 1/6/78 Cooperator JRW

No. observers in party 4 Address \_\_\_\_\_

Hours spent in observation by:

plane	car	boat	foot	total hours
<u>3</u>				<u>3</u>

Miles covered by:

plane	car	boat	foot	total miles
<u>100</u>			<u>100</u>	<u>100</u>

Make and no. of planes used \_\_\_\_\_

OBSERVATIONS:	
Mallard	Snow (& blue)
Black duck	Ross
Mottled duck	White-fronted
Gadwall	Canada
Am. wigeon	
Green wing	TOTAL
Blue wing	GEESE
Cinn. teal	Whistling swan
Shoveler	Trumpeter swan
Pintail	TOTAL
SUB-TOTAL	SWANS
DABBLERS	
Redhead	TOTAL
Canvasback	COOTS
Scaup	
Ringneck	TOTAL
Goldeneye	WATERFOWL
Bufflehead	
Ruddy duck	
SUB-TOTAL	
DIVERS	
Mergansers	
Misc. & Unident.	
TOTAL	
DUCKS	

	Bald	Golden	Unident.
Imm.			
Adult		6	
Unidenti.			
TOTAL		6	
EAGLES			

RAPTOR SURVEY ROUTE QUESTIONNAIRE

NAME: STEVE ~~BREESOR~~ BREESER

ROUTE NUMBERS: 12

1. Do you feel that the June 1-15 period was appropriate for your route(s)?

YES X NO     

If not, what changes do you recommend?

\_\_\_\_\_  
\_\_\_\_\_

2. Do you feel that the 11:00AM starting time was appropriate for your route(s)?

YES X NO     

If not, what changes do you recommend?

\_\_\_\_\_  
\_\_\_\_\_

3. Do you feel the location of your route(s) was appropriate?

YES X NO     

If not, what changes do you recommend?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Do you feel that the prescribed methods of travel and observation were appropriate for your route(s)?

YES X NO     

If not, what changes do you recommend?

It might be helpful to indicate the mile  
Number of the observation. I will be doing  
this from now on for my information

PLEASE RETURN THIS FORM AT YOUR EARLIEST CONVENIENCE. ONLY THROUGH YOUR COOPERATION AND ADVICE CAN THE RAPTOR SURVEY ROUTE SYSTEM BE IMPROVED.



MONTANA DEPARTMENT OF FISH AND GAME  
NONGAME WILDLIFE INVESTIGATIONS

RAPTOR SURVEY

NAME SHERIDAN NUMBER L-12

Start Finish  
 1100 1410

DATE Month Day Year  
 06 16 77

CHANCE 50 55.8 51 11.5 Total 57.7

WIND SPEED Start Finish  
 1 1

SKY 1 2

REVIEWERS STEVE BREESER

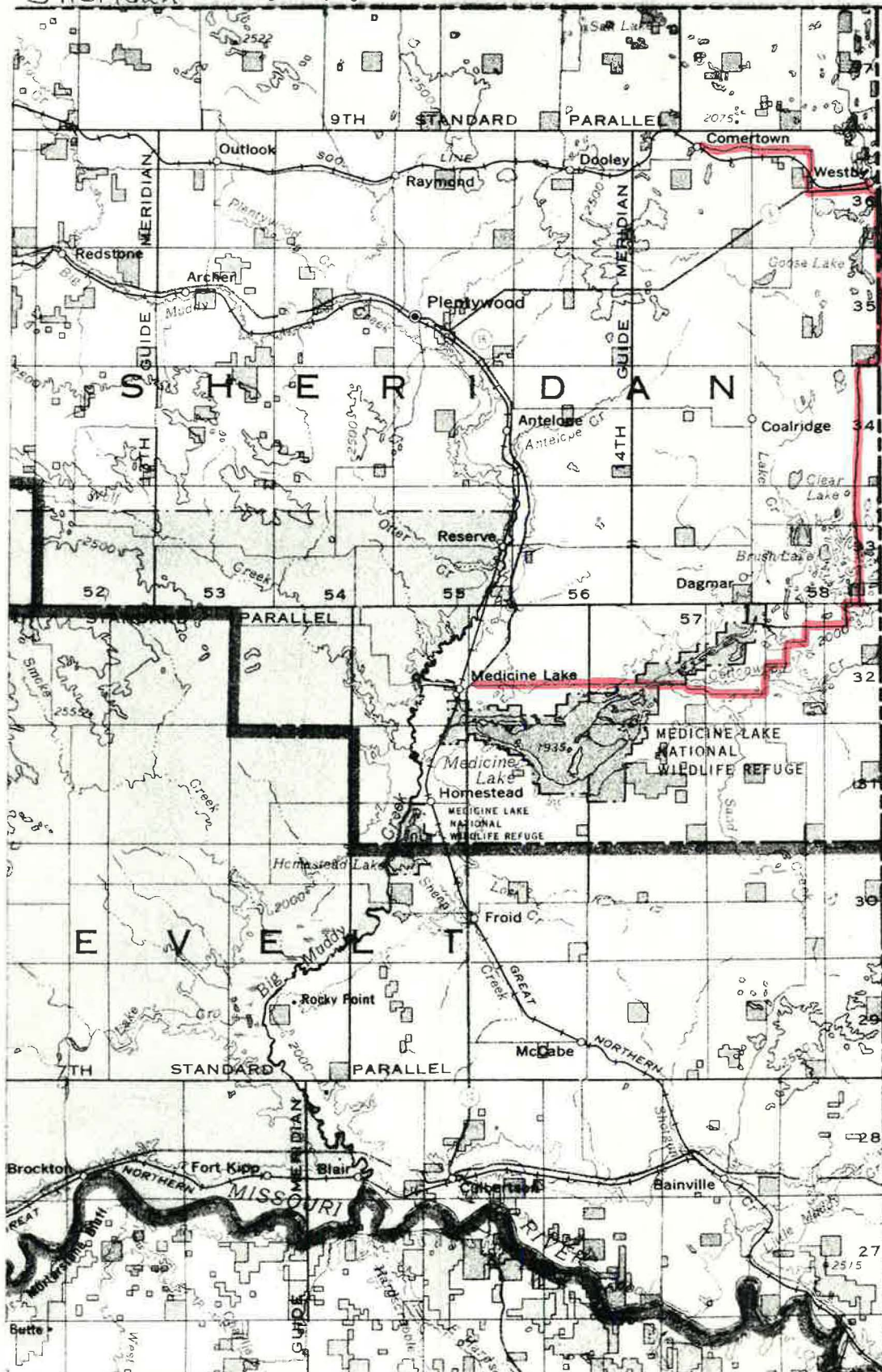
MAILING ADDRESS MEDICINE LAKE, MONTANA ZIP CODE 59247

Species	Number of Birds			Total
	Adult	Immature	Unclassified	
Turkey vulture				
Cormorant				
Sharp-shinned hawk				
Chaparral hawk				
Red-tailed hawk	11			2
Swainson's hawk				
Belted kingfisher	11			2
Ferruginous hawk				
Golden eagle				
Bald eagle				
Marsh hawk	111			5
Osprey				
Gyrfalcon				
California falcon	1			1
Peregrine falcon				
Pigeon hawk				
Sparrow hawk	11			2
Other				
Unidentified				
TOTALS	12			12

Return form to:  
 Dennis L. Flath, Biologist  
 Montana Dept. of Fish & Game  
 Box 5 - MSW Campus  
 Bozeman, MT 59717



Sheridan L-12



1+15  
531  
577



# MIDWINTER WATERFOWL AND EAGLE SURVEY

State: MONTANA Area to be covered MEDICINE LAKE N.W.R.  
 Date(s) survey made 1/5/74 Cooperator MEDICINE LAKE N.W.R.  
 No. observers in party 2 Address MEDICINE LAKE  
MONTANA 59247  
 Hours spent in observation by: plane 5 car 5 boat 5 foot 5 total hours  
 Miles covered by: plane 77 car 77 boat 77 foot 77 total miles  
 Make and no. of planes used \_\_\_\_\_

## OBSERVATIONS:

Mallard		Snow (& blue)	
Black duck		Ross	
Mottled duck		White-fronted	
Gadwall		Canada	
Am. wigeon			
Green wing		TOTAL GEESE	0
Blue wing		Whistling swan	
Cinn. teal		Trumpeter swan	
Shoveler		TOTAL SWANS	0
Pintail			
SUB-TOTAL DABBLERS	0	TOTAL COOTS	0
Redhead			
Canvasback		TOTAL WATERFOWL	0
Scaup			
Ringneck			
Goldeneye			
Bufflehead			
Ruddy duck			
SUB-TOTAL DIVERS	0		
Mergansers			
Misc. & Unident.			
TOTAL DUCKS	0		

	Bald	Golden	Unident.
Imm.			
Adult		1	
Unidenti.		2	
TOTAL EAGLES		3	

## MIDWINTER WATERFOWL AND EAGLE SURVEY

State: Montana Area to be covered Medicine Lake National Wildlife Refuge

Date(s) survey made 1/9/76 Cooperator Medicine Lake Refuge

No. observers in party 3 Address Medicine Lake, Montana

Hours spent in observation by: plane car boat foot 6  
total hours

Miles covered by:  $\frac{\quad}{\text{plane}}$   $\frac{\text{xx}}{\text{car}}$   $\frac{\quad}{\text{boat}}$   $\frac{\quad}{\text{foot}}$   $\frac{61 \text{ miles}}{\text{total miles}}$

Make and no. of planes used \_\_\_\_\_

OBSERVATIONS:

Mallard	
Black duck	
Mottled duck	
Gadwall	
Am. wigeon	
Green wing	
Blue wing	
Cinn. teal	
Shoveler	
Pintail	
SUB-TOTAL DABLERS	None
Redhead	
Canvasback	
Scaup	
Ringneck	
Goldeneye	
Bufflehead	
Ruddy duck	
SUB-TOTAL DIVERS	None
Mergansers	
Misc.& Unident.	
TOTAL DUCKS	None

Snow (& blue)	
Ross	
White-fronted	
Canada	
TOTAL GEESE	None
Whistling swan	
Trumpeter swan	
TOTAL SWANS	None
TOTAL COOTS	None
TOTAL WATERFOWL	None

## Continental Eagle Project

HOURS IN FIELD                      6 hrs                      MILES COVERED                      61 miles

[illegible]

<sup>2</sup>forest, pasture, lake, river, coast, etc.



## MIDWINTER EAGLE INVENTORY

**State** Montana **County** Sheridan & Rosebud **Area Covered** Medicine Lake NWR vicinity

Date: 1/6/75 Observer: John L. Martin

Method: Foot Car~~X~~ Boat Air Address: Medicine Lake, NW 12

Weather: Temp. 27; Wind 0; Clouds 50%; Other \_\_\_\_\_

Hours in Field 7 Miles covered 142

[illegible]

# MIDWINTER WATERFOWL AND EAGLE SURVEY

State: Montana Area to be Covered Moore Lake Refuge

Date(s) survey was made January 8, 1974

Observer's Name D. N. White Address Medicine

Number of observers in party 1

Hours spent in observation by: Plane \_\_\_\_\_, Car 3

Boat \_\_\_\_\_, Foot \_\_\_\_\_; Total Hours 3

Miles covered by: Plane \_\_\_\_\_, Car 25, Boat \_\_\_\_\_

Foot \_\_\_\_\_; Total Miles 25

Make and number of planes used \_\_\_\_\_

## Observations

DUCKS:	GEESE:
Dabblers	
Mallard	Snow
Black duck	Blue
Mottled duck	Ross'
Gadwall	White-fronted
Am. Widgeon	Canada
Gr-w. teal	
Bl-w. teal	TOTAL GEESE <u>0</u>
Cinn. teal	
Shoveler	SWAN:
Pintail	Whistling
	Trumpeter
SUBTOTAL	
Divers:	TOTAL SWAN
Redhead	
Canvasback	COOT:
Scaup	
Ring-necked	TOTAL WATERFOWL <u>0</u> <i>all was frozen over</i>
Goldeneye	
Bufflehead	
Ruddy duck	EAGLES:
	Bald
SUBTOTAL	Golden <u>2</u>
Mergansers	
Unident. ducks	TOTAL EAGLES <u>2</u>
TOTAL DUCKS <u>0</u>	



## MIDWINTER EAGLE INVENTORY

State Montana County Sheridan Area Covered Medicine Lake Refuge

Date: January 8, 1974 Observer: Donald M. White

Method: Foot\_\_\_ Car X Boat\_\_\_ Air\_\_\_ Address: Medicine Lake, Mont. 59247

Weather: Temp. -16; Wind 10 mph; Clouds none; Other \_\_\_\_\_

Hours in Field 3. Miles covered 25

[illegible]

mit in duplicate

## SUMMARY OF 1966 STATESIDE CENTRAL FLYWAY MIDWINTER WATERFOWL POPULATION SURVEY

SPECIES \ AREA	COLORADO	NEBRASKA	KANSAS	OKLAHOMA	N. MEX.	TEXAS	MONTANA	WYOMING	N. DAK.	S. DAK.	TOTAL	% CHANGE FROM 1965	% CHANGE FROM 6-Yr. Ave.	% CHANGE FROM 11-Yr. Ave.	% COMPOSITION 1966
Mallard	224,669	230,135	477,501	52,696	27,619	234,501	53,361	111,859	26,355	253,164	1,691,860	-5.1	-4.6	-21.3	50.2
Black Duck				3						4	7	-89.4	-82.9		
Mottled Duck		83				3,763					3,846	+0.9	-7.3		
Gadwall		9		820	7,776	39,438				12	48,055	-44.4	+5.2		
American Widgeon		400	5	1,589	3,270	138,689		6		34	143,993	-51.7	-26.4	-20.4	4.3
Green-winged Teal			3,200	1,689	5,559	118,779		30		5	129,262	-24.6	-7.1	+0.4	3.8
Blue-winged Teal		4				1,788 <sup>1/</sup>					1,792 <sup>1/</sup>	-74.1	-81.2		
Shoveller				110	1,321	22,069					23,500	-44.2	+6.5		
Pintail		16		2,139	13,552	252,214				2	267,923	-45.6	-50.2	-64.6	8.0
Wood Duck				159		125				1	285	-88.7	-82.1		
Tree Duck												-100.0	-100.0		
SUBTOTAL--TOTAL DABBLERS	224,669	230,647	480,706	59,205	59,097	811,366	53,361	111,895	26,355	253,222	2,310,523	-20.0	-15.4	-29.7	68.6
Redhead		56	140	59	184	328,902					329,341	-21.5	-18.9	-32.3	9.8
Canvasback		8		34	711	9,471					10,224	-10.3	+7.5		
Scaup		19		734	44	36,265		295		15	37,372	-49.5	-49.9	-79.7	1.1
Ring-necked Duck		8		272	802	2,376					3,458	-32.7	-32.5		
Goldeneye		117		23	175	213	1,715	982		267	3,492	-28.8	-22.1		
Bufflehead		135		77	194	1,844				54	2,304	-53.6	-15.5		
Ruddy Duck				500	204	7,041				1	7,746	-33.7	-4.3		
Merganser		8,998	25,810	5,025	2,092	471	754	1,076	45	4,836	49,107	-51.3	-32.6		
SUBTOTAL--TOTAL DIVERS		9,341	25,950	6,724	4,406	386,583	2,469	2,353	45	5,173	443,044	-30.0	-24.1	-41.9	13.1
Miscellaneous Ducks			422	1,269		13,360	540				15,591	-53.5	-55.4		
SUBTOTAL--TOTAL DUCKS	224,669	239,988	507,078	67,198	63,503	1,211,309	56,370	114,248	26,400	258,395	2,769,158	-22.1	-17.3	-32.2	82.2
Snow Geese	12	2	1,364	616	2,456 <sup>2/</sup>	131,967		2		4	136,423 <sup>2/</sup>	-44.6	-29.3	-30.1	6.4
Blue Geese			5		28	77,682					77,715	-43.9			
White-fronted Geese			300	146	3	12,628					13,077	+29.4	-25.3	-30.5	0.4
Canada Geese	32,469	7,895	20,769	15,651	9,928	84,663	620	1,530		28,932	202,457	-16.6	+2.4	+9.8	6.0
SUBTOTAL--TOTAL GEESE	32,481	7,897	22,438	16,413	12,415	306,940	620	1,532		28,936	429,672	-32.6	-17.1	-15.7	12.7
Coot	1,000			367	5,416	164,286	49			1	171,119	-83.1	-38.6	-22.5	5.1
Whistling Swan					1	1					2	+100.0	-81.8		
Trumpeter Swan										32	32	-5.9	-52.4		
GRAND TOTAL	258,150	247,885	529,516	83,978	81,335	1,682,536	57,039	115,780	26,400	287,364	3,369,983	-35.2	-18.7	-30.0	100.0
% change from 1965	+7.4	+19.6	-2.6	-68.2	+33.9	-53.9	+81.4	+196.7	+1983.7	+76.8	-35.2				
% change from 6-Yr.Ave.	-21.5	+20.2	+27.9	-58.3	-29.4	-33.6	+32.9	+130.9	+75.6	+20.8	-18.7				
% change from 11-Yr.Ave.	-35.1	-8.2	+35.0	-47.1	-30.9	-43.0	-0.4	+80.0	+101.8	-27.1	-30.0				
% 1966 distribution	7.7	7.4	15.7	2.5	2.4	49.9	1.7	3.4	0.8	8.5	100.0				

<sup>1/</sup> Includes 42 Cinnamon Teal<sup>2/</sup> Includes 5 Ross's Geese



## CONTINENTAL BALD EAGLE PROJECT

HOURS IN FIELD 5 MILES COVERED 45[illegible]

Return to \_\_\_\_\_

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF SPORT FISHERIES AND WILDLIFE

TO: Observers and Cooperators

FROM: U. S. Game Management Agent P. O. BOX 897  
HELENA, MONTANA 59601

SUBJECT: WINTER WATERFOWL SURVEY, Pacific Flyway, January 3, 1972 - January 7, 1972

We are again requesting your cooperation in conducting the annual winter waterfowl survey. It is scheduled to begin on or about January 3, 1972, and should be completed as soon as possible thereafter.

The object of this survey is to determine the distribution and relative numbers of waterfowl wintering on the continent. The survey consists of (1) appraising the waterfowl populations on the definite area assigned to you; (2) inserting the data obtained on wintering waterfowl onto this form; and (3) returning the completed form promptly to the sender. The area we wish you to cover has been inserted on this form.

Record only the number of each species actually observed during the survey. Enter your name and address at the bottom of this form. Where identification is uncertain, list under "Unidentified". Species observed, but not included on this form, should be recorded under "Miscellaneous".

STATE Montana COUNTY Shoridan DATE OF SURVEY 1/6/72  
AREA COVERED 75 % of Medicine Lake National Wildlife Refuge

<b>Ducks: (Dabblers)</b>	<b>Ducks: (Divers cont.)</b>	<b>Geese:</b>
<u>Mallard</u>	<u>Ringneck</u>	<u>Snow Goose</u>
<u>Gadwall</u>	<u>Goldeneye</u>	<u>Blue Goose</u>
<u>Widgeon</u>	<u>Bufflehead</u>	<u>Ross'</u>
<u>GW Teal</u>	<u>Ruddy</u>	<u>White-fronted</u>
<u>BW Teal</u>	<u>Total Divers</u>	<u>Canada</u>
<u>Cinn. Teal</u>	<u>Eider</u>	<u>Lesser Canada</u>
<u>Shoveler</u>	<u>Scoter</u>	<u>Cackling</u>
<u>Pintail</u>	<u>Old Squaw</u>	<u>Brant</u>
<u>Wood Duck</u>	<u>Harlequin</u>	<u>TOTAL GEESE</u>
<u>Total Dabblers</u>	<u>Total Sea Ducks</u>	<u>Whistling Swan</u>
<b>Ducks: (Divers)</b>	<u>Merganser</u>	<u>Trumpeter Swan</u>
<u>Redhead</u>	<u>Miscellaneous</u>	<u>Mute Swan</u>
<u>Canvasback</u>	<u>Unidentified</u>	<u>TOTAL SWAN</u>
<u>Scaup</u>	<u>TOTAL DUCKS</u>	<u>Coot</u>
		<u>GRAND TOTAL</u>

COVERAGE								
State Federal	Personnel	Aircraft			Cars		Boats	
	No.	No.	Hours	Miles	No.	Miles	No.	Miles
	1				1	43		

Donald W. White Medicine Lake Refuge Shoridan Montana  
(Observer's name) (Address) (County) (State)  
Hi Bob, nothing here all frozen up.  
(Remarks)



## CONTINENTAL BALD EAGLE PROJECT

DATE: 1/6/71 OBSERVER: D. White and J. Martin  
METHOD: FOOT ☐ CAR ☒ BOAT ☐ AIR ☐ ADDRESS: Medicine Lake NWR, Medicine Lake, Mont.  
WEATHER: TEMP. -20; WIND 5 mph; CLOUDS few-scattered. OTHER too cold for this nonsense  
HOURS IN FIELD 6 hours MILES COVERED 150

[illegible]

Return to \_\_\_\_\_

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF SPORT FISHERIES AND WILDLIFE

TO : Observers and Cooperators  
FROM : U. S. Game Management Agent \_\_\_\_\_

SUBJECT: WINTER WATERFOWL SURVEY, Pacific Flyway, January 4, 1971 - January 8, 1971

We are again requesting your cooperation in making the annual winter waterfowl survey. It is scheduled to begin on or about January 4, 1971, and should be completed as soon as possible thereafter.

The object of this survey is to determine the distribution and relative numbers of waterfowl wintering on the continent. The survey consists of (1) appraising the waterfowl populations on the definite area assigned to you; (2) inserting the data obtained on wintering waterfowl onto this form; and (3) returning the completed form promptly to the sender. The area we wish you to cover has been inserted on this form.

Record below the number of each species actually observed during the survey. At the bottom of the form place your name and address. The bottom line and reverse side of the form may be used for comments or to record other observations made during the survey period. Where the identification of ducks is uncertain, the estimated number of birds should be grouped under "Unidentified". Those ducks observed, but not listed on this form, may be recorded under "Miscellaneous" ducks.

STATE Montana COUNTY Sheridan DATE OF SURVEY 1/6/71  
AREA COVERED Medicine Lake Refuge

SPECIES	NO. SEEN	SPECIES	NO. SEEN	SPECIES	NO. SEEN
<b>Ducks: (Dabblers)</b>		<b>Ducks: (Divers)</b>		<b>Geese:</b>	
Mallard		Redhead		Snow Goose	
Gadwall		Canvasback		Ross' Goose	
Am. Widgeon		Scaup		White-fronted	
GW Teal		Ring-necked		Canada Goose	
BW Teal		Goldeneye		Lesser Canada	
Cinn. Teal		Bufflehead		Cackling Goose	
Shoveler		Ruddy Duck		<b>TOTAL GEESE</b>	
Pintail		Merganser		Black Brant	
Wood Duck		Scoter		Whistling Swan	
Subtotal		Oldsquaw		Trumpeter Swan	
		Subtotal		<b>TOTAL SWAN</b>	
		Unidentified		Coot	
		Miscellaneous:		<b>GRAND TOTAL</b>	
		<b>TOTAL DUCKS</b>			

Mileage:	No. of:	
Car		
Air*		
Boat		
Other		
*No. hours		

D.H. White Medicine Lake Refuge, Medicine Lake, Sheridan, Montana  
(Observer's name) (Address) (County) (State)

\_\_\_\_\_  
(Remarks)

\_\_\_\_\_

\_\_\_\_\_



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF SPORT FISHERIES AND WILDLIFE

TO : Observers and Cooperators

FROM : U. S. Game Management Agent \_\_\_\_\_

SUBJECT: WINTER WATERFOWL SURVEY, Pacific Flyway, January 5, 1970 - January 9, 1970

We are again requesting your cooperation in making the annual winter waterfowl survey. It is scheduled to begin on or about January 5, 1970, and should be completed as soon as possible thereafter.

The object of this survey is to determine the distribution and relative numbers of waterfowl wintering on the continent. The survey consists of (1) appraising the waterfowl populations on the definite area assigned to you; (2) inserting the data obtained on wintering waterfowl onto this form; and (3) returning the completed form promptly to the sender. The area we wish you to cover has been inserted on this form.

Record below the number of each species actually observed during the survey. At the bottom of the form place your name and address. The bottom line and reverse side of the form may be used for comments or to record other observations made during the survey period. Where the identification of ducks is uncertain, the estimated number of birds should be grouped under "Unidentified". Those ducks observed, but not listed on this form, may be recorded under "Miscellaneous" ducks.

STATE Montana COUNTY Sheridan DATE OF SURVEY Jan. 8, 1970

AREA COVERED Medicine Lake Refuge and nearby vicinity

SPECIES	NO. SEEN	SPECIES	NO. SEEN	SPECIES	NO. SEEN
<b>Ducks: (Dabblers)</b>		<b>Ducks: (Divers)</b>		<b>Geese:</b>	
Mallard	700	Redhead		Snow Goose	
Gadwall		Canvasback		Ross' Goose	
Am. Widgeon		Scaup		White-fronted	
GW Teal		Ring-necked		Canada Goose	
BW Teal		Goldeneye		Lesser Canada	
Cinn. Teal		Bufflehead		Cackling Goose	
Shoveler		Ruddy Duck		TOTAL GESE	
Pintail		Merganser		Black Brant	
Wood Duck		Scoter		Whistling Swan	
Subtotal		Oldsquaw		Trumpeter Swan	
Mileage:	No. of:	Subtotal		TOTAL SWAN	
Car	30	Unidentified		Coot	
Air*		Miscellaneous:		GRAND TOTAL	
Boat		TOTAL DUCKS	700		
Other					
*No. hours	5				

(The mallards are unusually late in departing this year.)

Donald N. White                      Medicine Lake NWR                      Sheridan                      Montana  
(Observer's name)                      (Address)                      (County)                      (State)

(Remarks)

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF SPORT FISHERIES AND WILDLIFE

TO : Observers and Cooperators  
FROM : U. S. Game Management Agent

SUBJECT: WINTER WATERFOWL SURVEY, Pacific Flyway, January 6, 1969 - January 10, 1969

We are again requesting your cooperation in making the annual winter waterfowl survey. It is scheduled to begin or about January 6, 1969, and should be completed as soon as possible thereafter.

The object of this survey is to determine the distribution and relative numbers of waterfowl wintering on the continent. The survey consists of (1) appraising the waterfowl populations on the definite area assigned to you; (2) inserting the data obtained on wintering waterfowl onto this form and (3) returning the completed form promptly to the sender. The area we wish you to cover has been inserted on this form.

Record below the place your name and address. The bottom line and reverse side of the form may be used for identification of ducks is uncertain, the estimated number of birds should be recorded under "Unidentified". Those ducks observed, but not listed on this form, may be recorded under "Miscellaneous" ducks.

STATE Montana COUNTY Sheridan DATE OF SURVEY January 7, 1969  
STATED Medicine Lake Refuge and general area.

SPECIES		NO. SEEN	SPECIES		NO. SEEN
Ducks: (Dabblers)			Ducks: (Divers)		
Mallard			Redhead		
Gadwall			Canvasback		
Am. Widgeon			Scaup		
GW Teal			Ring-necked		
BW Teal			Goldeneye		
Cinn. Teal			Bufflehead		
Shoveler			Ruddy Duck		
Pintail			Merganser		
Wood Duck			Scoter		
Subtotal		<u>none</u>	Oldsquaw		
Mileage:			Subtotal		
Car	No. of:		Unidentified		
Air*			Miscellaneous:		
Boat			TOTAL DUCKS		<u>none</u>
Other					
*No. hours					
			Geese:		
			Snow Goose		
			Ross' Goose		
			White-fronted		
			Canada Goose		
			Lesser Canada		
			Cackling Goose		
			TOTAL GEESE		
			Black Brant		
			Whistling Swan		
			Trumpeter Swan		
			TOTAL SWAN		
			Coot		
			GRAND TOTAL		
			<u>none</u>		

Donald H. White

(Observer's name)

Medicine Lake

(Address)

Sheridan

(County)

Montana

(State)

(Remarks)

All water areas frozen over since November 25, 1968.



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF SPORT FISHERIES AND WILDLIFE**

**TO :** Observers and Cooperators

**FROM :** U. S. Game Management Agent \_\_\_\_\_

**SUBJECT:** WINTER WATERFOWL SURVEY, Pacific Flyway, January 2, 1968 - January 8, 1968

We are again requesting your cooperation in making the annual winter waterfowl survey. It is scheduled to begin on or about January 2, 1968, and should be completed as soon as possible thereafter.

The object of this survey is to determine the distribution and relative numbers of waterfowl wintering on the continent. The survey consists of (1) appraising the waterfowl populations on the definite area assigned to you; (2) inserting the data obtained on wintering waterfowl onto this form; and (3) returning the completed form promptly to the sender. The area we wish you to cover has been inserted on this form.

Record below the number of each species actually observed during the survey. At the bottom of the form place your name and address. The bottom line and reverse side of the form may be used for comments or to record other observations made during the survey period. Where the identification of ducks is uncertain, the estimated number of birds should be grouped under "Unidentified". Those ducks observed, but not listed on this form, may be recorded under "Miscellaneous" ducks.

**STATE** Montana **COUNTY** Sheridan **DATE OF SURVEY** January 5, 1968

**AREA COVERED** Medicine Lake National Wildlife Refuge and general area.

SPECIES		NO. SEEN	SPECIES		NO. SEEN	SPECIES		NO. SEEN
<b>Ducks: (Dabblers)</b>			<b>Ducks: (Divers)</b>			<b>Geese:</b>		
Mallard			Redhead			Snow Goose		
Gadwall			Canvasback			Ross' Goose		
Am. Widgeon			Scaup			ed		
GW Teal			Ring-necked			Canada Goose		
BW Teal			Goldeneye			Lesser Canada		
Cinn. Teal			Bufflehead			Cackling Goose		
Shoveler			Ruddy Duck			<b>TOTAL GEESE</b>		None
Pintail			Merganser			Black Brant		
Wood Duck			Scoter			Whistling Swan		
Subtotal		None	Oldsquaw			Trumpeter Swan		
			Subtotal		None	<b>TOTAL SWAN</b>		None
			Unidentified			Coot		None
			Miscellaneous:			<b>GRAND TOTAL</b>		None
<b>TOTAL DUCKS</b>								

<b>Mileage:</b>	<b>No. of:</b>
Car	
Air*	
Boat	
Other	
*No. hours	

Donald N. White

Medicine Lake

Sheridan

Montana

(Observer's name)

(Address)

(County)

(State)

All water areas frozen since November 27, 1967.

(Remarks)

## CONTINENTAL BALD EAGLE PROJECT

HOURS IN FIELD 2 MILES COVERED 20 miles

**Return to** \_\_\_\_\_



SW

REFUGE MANAGERS - Bowdoin, Charles M. Russell,  
Medicine Lake, and Benton Lake.

December 12, 1966

U.S. Game Management Agent, P.O. Box 897,  
Helena, Montana - 59608

~~Mid-winter~~ Waterfowl and Eagle Survey - Jan. 3, 1967 to Jan. 8, 1967

The ~~annual~~ mid-winter waterfowl and eagle survey is to be conducted in the same manner this year as in the past. The survey is to begin on Jan. 3, 1967 and to be completed by Jan. 8, 1967.

Again we are asking your cooperation in making the survey on your respective refuges. Upon completion of the enclosed forms, please send them to U.S. Game Management Agent, P.O. Box 897, Helena, Montana.

Weather permitting, we would like to receive these forms not later than Jan. 15, 1967.

I want to thank you for the fine job you have done in the past, your cooperation is greatly appreciated.

Encls

*W. Ashton Brann*  
W. Ashton Brann

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF SPORT FISHERIES AND WILDLIFE

TO : Observers and Cooperators

FROM : U. S. Game Management Agent \_\_\_\_\_

SUBJECT: WINTER WATERFOWL SURVEY, Pacific Flyway, January 3, 1967 - January 8, 1967

We are again requesting your cooperation in making the annual winter waterfowl survey. It is scheduled to begin on or about January 3, 1967, and should be completed as soon as possible thereafter.

The object of this survey is to determine the distribution and relative numbers of waterfowl wintering on the continent. The survey consists of (1) appraising the waterfowl populations on the definite area assigned to you; (2) inserting the data obtained on wintering waterfowl onto this form; and (3) returning the completed form promptly to the sender. The area we wish you to cover has been inserted on this form.

Record below the number of each species actually observed during the survey. At the bottom of the form place your name and address. The bottom line and reverse side of the form may be used for comments or to record other observations made during the survey period. Where the identification of ducks is uncertain, the estimated number of birds should be grouped under "Unidentified". Those ducks observed, but not listed on this form, may be recorded under "Miscellaneous" ducks.

STATE Montana COUNTY Sheridan DATE OF SURVEY January 6, 1967

AREA COVERED Medicine Lake National Wildlife Refuge and general area.

SPECIES	NO. SEEN	SPECIES	NO. SEEN	SPECIES	NO. SEEN
<b>Ducks: (Dabblers)</b>		<b>Ducks: (Divers)</b>		<b>Geese:</b>	
Mallard		Redhead		Snow Goose	
Gadwall		Canvasback		Ross' Goose	
Am. Widgeon		Scaup		White-fronted	
GW Teal		Ring-necked		Canada Goose	
BW Teal		Goldeneye		Lesser Canada	
Cinn. Teal		Bufflehead		Cackling Goose	
Shoveler		Ruddy Duck		<b>TOTAL GEESE</b>	<u>None</u>
Pintail		Merganser		Black Brant	
Wood Duck		Scoter		Whistling Swan	
Subtotal	<u>None</u>	Oldsquaw		Trumpeter Swan	
		Subtotal	<u>None</u>	<b>TOTAL SWAN</b>	<u>None</u>
		Unidentified		Coot	
		Miscellaneous:		<b>GRAND TOTAL</b>	<u>None</u>
		<b>TOTAL DUCKS</b>			

Mileage: <span style="float: right;">No. of:</span> Car Air* Boat Other *No. hours	
---	--

Donald N. White

Medicine Lake

Sheridan

Montana

(Observer's name)

(Address)

(County)

(State)

All water areas frozen since November 9, 1966

(Remarks)



## CONTINENTAL BALD EAGLE PROJECT

HOURS IN FIELD 4 MILES COVERED 180

[illegible]

REFUGEE MANAGERS \* Bowdoin, Charles W. Russell, Minnapipe, December 22, 1965  
Medicine Lake, & Red Rock Lakes NWR, Russell,

U.S. Game Management Agent, Helena, Montana

Mid-winter Waterfowl and Eagle Survey - Jan. 2, to Jan. 8, 1966.

The annual mid-winter waterfowl and eagle survey is to be conducted in the same manner this year as in the past. The survey is to begin on Jan. 2, 1966, and to be completed by Jan. 8, 1966.

We are again asking your cooperation in making the survey on your respective Refuges. Upon completion of the enclosed forms, please send them to U.S. Game Management Agent, Helena, Montana.

Weather permitting, we would like to receive the forms not later than Jan. 15, 1966.

Encl:

  
W. Ashton Braun

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF SPORT FISHERIES AND WILDLIFE

TO : Observers and Cooperators

FROM : U. S. Game Management Agent -

SUBJECT: WINTER WATERFOWL SURVEY, Pacific Flyway, January 2, 1966 - January 8, 1966

We are again requesting your cooperation in making the annual winter waterfowl survey. It is scheduled to begin on or about January 2, 1966, and should be completed as soon as possible thereafter.

The object of this survey is to determine the distribution and relative numbers of waterfowl wintering on the continent. Your part in the survey consists in (1) appraising the waterfowl populations, during the survey period, on the definite area assigned to you; (2) inserting the data obtained on wintering waterfowl in the proper spaces of this form, and (3) returning the completed form promptly to the sender. The area which we wish you to cover has been inserted in the form.

Record below the number of each species actually observed during the survey. At the bottom of the form place your name and address. The bottom line and reverse side of the form may be used for comments or to record other observations made during the survey period. In cases where the identification of ducks is uncertain, the estimated number of birds should be grouped under "Unidentified". Those migratory waterfowl observed, but not listed on this form, may be recorded in the blank space provided at the lower left hand corner of this form.

STATE Montana COUNTY Sheridan DATE SURVEY TAKEN 1/3/66

AREA COVERED Medicine Lake National Wildlife Refuge and general Area

SPECIES	NO. SEEN	SPECIES	NO. SEEN	SPECIES	NO. SEEN
<u>Ducks: (Dabblers)</u>		<u>Ducks: (Divers)</u>		<u>Geese:</u>	
<u>Mallard</u>		<u>Redhead</u>		<u>Snow Goose</u>	
<u>Gadwall</u>		<u>Canvasback</u>		<u>Ross's Goose</u>	
<u>Am. Widgeon</u>		<u>Scaup</u>		<u>White-fronted</u>	
<u>GW Teal</u>		<u>Ring-necked</u>		<u>Canada Goose</u>	42
<u>BW Teal</u>		<u>Goldeneye</u>		<u>Lesser Canada</u>	
<u>Cinn. Teal</u>		<u>Bufflehead</u>		<u>Cackling Goose</u>	
<u>Shoveler</u>		<u>Ruddy Duck</u>		<u>TOTAL GEESE</u>	42
<u>Pintail</u>		<u>Subtotal</u>		<u>Black Brant</u>	
<u>Wood Duck</u>		<u>Miscellaneous:</u>		<u>Swan:</u>	
<u>Subtotal</u>	None	<u>Eider &amp; Scoter</u>		<u>Whistling</u>	
		<u>Oldsquaw</u>		<u>Trumpeter</u>	
		<u>Merganser</u>		<u>TOTAL SWAN</u>	
		<u>Subtotal</u>		<u>Coot</u>	
		<u>Unidentified</u>			
		<u>TOTAL DUCKS</u>	None	<u>GRAND TOTAL</u>	42*

Owen H. Vivion  
(Observer's name)

Medicine Lake  
(address)

Sheridan  
(County)

Montana  
(State)

(Remarks)

\*22 of total geese observed are pinioned birds in captive flock, remainin 20 are free

flying mates and young of the year. All water areas frozen over since 11/15/



## CONTINENTAL BALD EAGLE PROJECT

HOURS IN FIELD 4 MILES COVERED 180

[illegible]

Regional Director, Region 6  
Bureau of Sport Fisheries & Wildlife  
Denver, Colorado  
Refuge Manager, Medicine Lake Refuge  
Medicine Lake, Montana

July 2, 1973

**Peregrine Falcon Use**

This memorandum is in reply to Mr. Marston's memo dated June 22, 1973.

The following lists are the sightings and dates of peregrine falcons on both Medicine Lake Refuge and the Northeastern Montana Wetlands. How many of the sightings involve seeing the same individuals on different days we do not know.

Medicine Lake NWR

<u>No. Seen</u>	<u>Date</u>
1	6/21/71
1	8/17/71
2	8/20/71
2	9/17/71
1	12/15/71
1	3/24/72
2	6/10/72
1	7/8/72
3	8/17/72
1	9/2/72
1	10/8/72
2	3/28/73
2	5/25/73

NE Montana Wetlands

<u>No. Seen</u>	<u>Date</u>
1	8/5/71
1	9/15/71
1	9/23/71
2	6/20/72
1	7/10/72
2	9/15/72
2	10/20/72
1	3/9/73
2	6/20/73

  
Donald N. White

# Memorandum

DATE: JUN 22 1973

Hall

Mammator

cc:  
Area Managers



*Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan*



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF SPORT FISHERIES AND WILDLIFE

TO : Observers and Cooperators  
FROM : U. S. Game Management Agent \_\_\_\_\_

SUBJECT: WINTER WATERFOWL SURVEY, Pacific Flyway, January 6, 1969 - January 10, 1969

We are again requesting your cooperation in making the annual winter waterfowl survey. It is scheduled to begin on or about January 6, 1969, and should be completed as soon as possible thereafter.

The object of this survey is to determine the distribution and relative numbers of waterfowl wintering on the continent. The survey consists of (1) appraising the waterfowl populations on the definite area assigned to you; (2) inserting the data obtained on wintering waterfowl onto this form; and (3) returning the completed form promptly to the sender. The area we wish you to cover has been inserted on this form.

Record below the number of each species actually observed during the survey. At the bottom of the form place your name and address. The bottom line and reverse side of the form may be used for comments or to record other observations made during the survey period. Where the identification of ducks is uncertain, the estimated number of birds should be grouped under "Unidentified". Those ducks observed, but not listed on this form, may be recorded under "Miscellaneous" ducks.

STATE Montana COUNTY Sheridan DATE OF SURVEY January 7, 1969

AREA COVERED Medicine Lake Refuge and general area.

SPECIES	NO. SEEN	SPECIES	NO. SEEN	SPECIES	NO. SEEN
<u>Ducks: (Dabblers)</u>		<u>Ducks: (Divers)</u>		<u>Geese:</u>	
<u>Mallard</u>		<u>Redhead</u>		<u>Snow Goose</u>	
<u>Gadwall</u>		<u>Canvasback</u>		<u>Ross' Goose</u>	
<u>Am. Widgeon</u>		<u>Scaup</u>		<u>White-fronted</u>	
<u>GW Teal</u>		<u>Ring-necked</u>		<u>Canada Goose</u>	
<u>BW Teal</u>		<u>Goldeneye</u>		<u>Lesser Canada</u>	
<u>Cinn. Teal</u>		<u>Bufflehead</u>		<u>Cackling Goose</u>	
<u>Shoveler</u>		<u>Ruddy Duck</u>		<u>TOTAL GEESE</u>	
<u>Pintail</u>		<u>Merganser</u>		<u>Black Brant</u>	
<u>Wood Duck</u>		<u>Scoter</u>		<u>Whistling Swan</u>	
<u>Subtotal</u>	<u>none</u>	<u>Oldsquaw</u>		<u>Trumpeter Swan</u>	
		<u>Subtotal</u>		<u>TOTAL SWAN</u>	
<u>Mileage:</u>	<u>No. of:</u>	<u>Unidentified</u>		<u>Coot</u>	
<u>Car</u>		<u>Miscellaneous:</u>		<u>GRAND TOTAL</u>	<u>none</u>
<u>Air*</u>		<u>TOTAL DUCKS</u>	<u>none</u>		
<u>Boat</u>					
<u>Other</u>					
<u>*No. hours</u>					

Donald H. White

(Observer's name)

Medicine Lake

(Address)

Sheridan

(County)

Montana

(State)

(Remarks)

All water areas frozen over since November 25, 1968.

## CONTINENTAL BALD EAGLE PROJECT

DATE: January 7, 1969 OBSERVER: D.N. White and J. A. Creasy

ADDRESS. Medicine Lake, Montana

HOURS IN FIELD 3 MILES COVERED 50

Return to \_\_\_\_\_