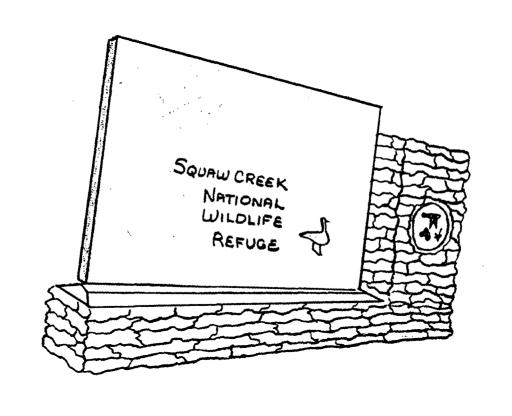
SIGN PLAN

SQUAW CREEK NATIONAL WILDLIFE REFUGE Mound city, Missouri



U.S. FISH AND WILDLIFE SERVICE JANUARY 1978

INTRODUCTION

Squaw Creek National Wildlife Refuge is located on the Missouri River floodplain of Northwest Missouri. Historically, the area was a cordgrass marsh interlaced with meandering creek channels. Attempts were made to drain the area for farmland during the late 1800's and early 1900's, however, floods, drought and the depression made farming a marginal operation. In 1935 Squaw Creek Refuge was established by Executive Order of President Franklin D. Roosevelt. Today, the refuge contains approximately 6,900 acres of man-made, semi-natural marshes, native cordgrass and upland prairies, timber and farmland.

Squaw Creek Refuge was established to help protect and preserve migratory birds by providing adequate resting and feeding areas during the fall and spring migrations. Overall objectives are to provide the best habitat possible for a wide variety of birds and animals. An equally important objective is to provide opportunities for the public to see and enjoy these wildlife, wildland resources.

To accomplish its objectives, the refuge uses a variety of habitat management practices. The major activity is marsh and water management to provide food and resting areas for waterfowl and other marshland wildlife. Farming, grazing, haying, mowing and controlled burning practices are applied as needed to provide food, cover and habitat types for the variety of wildlife using the refuge.

The variety of habitats on Squaw Creek Refuge provides food and cover for 33 kinds of mammals, 35 species of reptiles and amphibians and 289 species of birds. Fall waterfowl concentrations frequently total 200,000 snow geese, 10,000 Canada geese and 200,000 ducks; and spring concentrations may total a half million snow geese. White pelicans, great blue herons, red-tailed hawks plus numerous shorebirds also stop on the refuge during their migrations. From November to January wintering bald eagles may total 250 plus an occasional golden eagle. In addition to numerous coyotes, beavers and pheasants, approximately 200 white-tailed deer winter on the refuge.

The refuge is open year around from dawn to dusk daily. Refuge roads and foot trails provide excellent opportunities to observe, study, photograph or simply enjoy wildlife and wildlands. Seasonal activities include fishing, wild flower observation, mushroom picking and nut gathering. Picnic tables and restrooms are available at headquarters; no camping is permitted.

Loess bluff trail, located near headquarters and winding to the top of bluffs which border the refuge on the east, provides an excellent view of refuge lands and access to a truly remarkable geological formation.

Since its establishment, the refuge has provided excellent wildlife viewing opportunities to nearly 70,000 visitors annually through twenty miles of graveled road system.

Lack of interpretive signs during this period has resulted in tremendous losses in the interpretive field and confusion by visitors as to what the refuge actually offers. To date, three inadequate regulation signs (stenciled and at each entrance), a few speed limit signs (installed 1976) and a headquarters sign are all that exist in the total refuge sign inventory. Boundary signs have fared better and to date we have on hand 120 boundary signs and 40 posts. This year for the first time, temporary signs were placed at pool sites, towers, and trail entrances to inform visitors where they could hike and in part orientate them during their visit.

It is the purpose of this exercise, therefore, to provide:
(a) A sign plan which will direct people through the refuge in an orderly and safe manner. (b) A sign plan which will add to the esthetic value of the area by displaying uniformity, simpleness, yet be informative and educational. One complemented by interpretive exhibits and displays which will make visits to the refuge rewarding experiences. & (c) A plan designed to help a visitor better understand the U.S. Fish and Wildlife Service, help them to obtain a better appreciation for the area and its opportunities, and in effect show that someone cares about the appearance of the refuge and is dedicated to the management of the area for wildlife.

The following pages contain those signs proposed for Squaw Creek National Wildlife Refuge. They are designed to complement each other and are intended to be as simple and informative as possible, yet not clutter roadsides and viewing areas. All signs will be constructed of 3/4" high density overlaid plywood with brown facing material and white reflective helvetica style letters, excluding traffic control and regulation signing which will comply to MUTCD standards at signing level B. Interpretive displays, for all practical purposes, will involve special attention and shall, with coordination of I&R specialists and refuge staff, later be designed and added to this sign plan.

It will be the responsibility of the outdoor recreation planner to inspect annually each sign and make repair recommendations to refuge maintenance personnel.

An additional responsibility will be to maintain a current inventory of signs and make recommendations for new signing needs.

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Quantity & sign no.#	Sign series code no.#	Material code	Background color	one sided	Arrow direction Sign size Letter size
# 27 Q 2	I.	SN	BROWN	X	See attached sheet
28 Q15	I	, sn	BROWN	X	See attached sheet
29 Q2	I	SN	BROWN	X	See attached sheet
30 Q2	I	SN	BROWN	X	See attached sheet
31 Q2	I	SN	BROWN	X	See attached sheet
32 Q 3	I	sn	BROWN	X	See attached sheet
33 Q2	I	SN	BROWN	x	See attached sheet
34 Q2	I '	SN	BROWN	X	See attached sheet
35 Q2	I	SN	BROWN	X	See attached sheet
36 Q2	I	SN	BROWN	X	See attached sheet
37 Q4	I	SN	BROWN	X	See attached sheet
● 3º Q20	I	SN	BROWN	X	See attached sheet
39 Q2 0	I	SN	BROWN	X	See attached sheet
40 Q20	I	SN	BROWN	X	See attached sheet
41 Q2	I	SN	BROWN	x	See attached sheet
42 Q2	I	SN	BROWN	X	See attached sheet
* TOARETO COM	מסכז פוכמים יו	una Ouanti	+v	1	

^{*} Letters a-g correspond to those on traffic control sign map included.

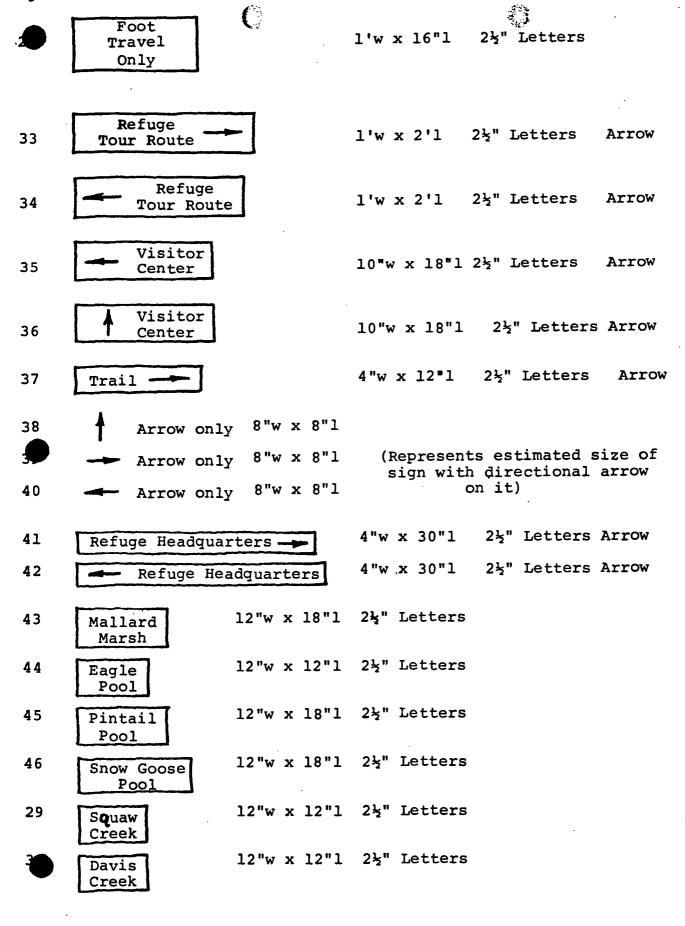
	43	Q 6	I	SN	BROWN	X	See attached sheet
_	44	Q 6	I	SN	BROWN	X	See attached sheet
	45	Q 6	I	SN	BROWN	x	See attached sheet
	46	Q6	I	SN	BROWN	X	See attached sheet
	47	Q4	I	SN	BROWN	x	See attached sheet

MASTER LISTSIGN SCIFICATIONS					
Sign no.#	Sign series code no.#	Material code	Background color	One sided	Arrow direction Sign size Letter size See sheet
# 1,6 Q4	E-3	SN	BROWN	x	See attached sheet
2,5,12 Q 4	I	SN	BROWN	X	See attached sheet
3 Q1	I	SN	BROWN	X	See attached sheet
4 Q1	I	SN	BROWN	X	See attached sheet
7 Q1	I	SN	BROWN	X	See attached sheet
10 Q1	I	SN	BROWN	X	See attached sheet
14,15 Q2	I	SN	BROWN	X	See attached sheet
8a Q1	I	SN	BROWN	· X	See attached sheet
8b Q1	I	SN	BROWN	X	See attached sheet
8c Q1	I	SN	BROWN	X	See attached sheet
9a Q1	I	SN	BROWN	X	See attached sheet
9b Q1	I	SN	BROWN	X	See attached sheet
9c Q1	I	SN	BROWN	X	See attached sheet
11 Q1	I	SN	BROWN	X	See attached sheet
13 Q2	E-1	SN	BROWN	X	See attached sheet
16 Q2	I	SN	BROWN	X	See attached sheet
17 Q15	I	SN	BROWN	X	See attached sheet
18 Q1	·I	SN	BROWN	X	See attached sheet
19 Q1	I	SN	BROWN	X	See attached sheet
20 Q10	RS034	SN	BRCWN	X	RS034 Message in- corporated 1' x 16"
21 Q10	RS006	SN	BROWN	X	RS006 Message in- corporated 1 x 16"
22 Q2	RS021	SN	BROWN	X	RS-021 Symbol only
23 Q2	RS023	SN	BROWN	X	RS-023 Symbol only 8" x 8"
24 Q2	RS022	SN	BROWN	X	RS-022 Message in- corporated 8" x 10%"
25 Q20	R-8 13	8" x 15" B]	lue on white		TOT POTATOR O A 102
26 Q50	R-6 11	." x 14" B]	lue on white		
48 Q6	I	SN	BROWN	X	See attached sheet

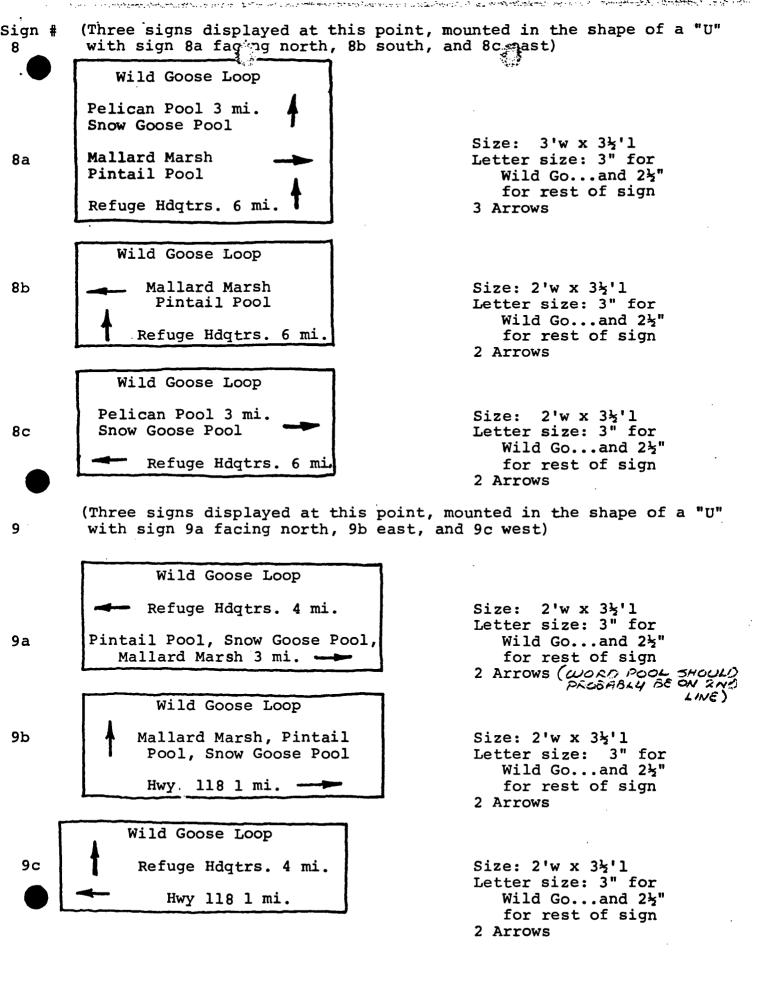
IMPORTANT

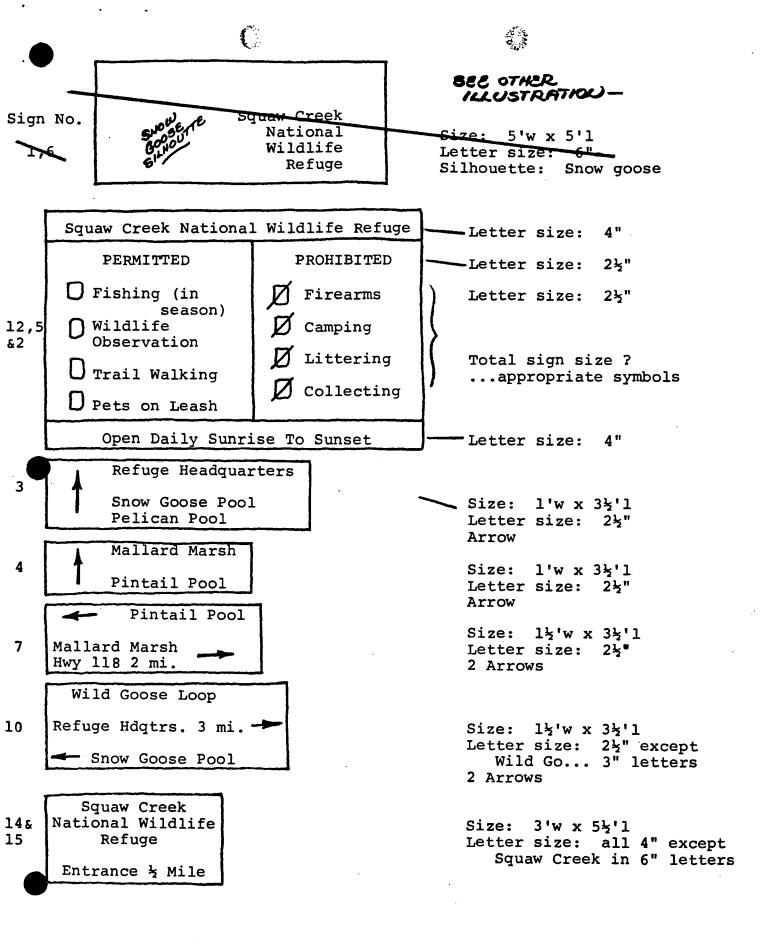
All signs contained in this plan and illustrated on the following pages (excluding traffic control signs and interpretive signs) will have these characteristics:

- (a) All signs will display white reflective letters on brown background material.
- (b) Letter size varies but letter style will always be helvetica medium. Use of upper or lower case letters is illustrated on individual sign drawings. Please refer to these guidelines when making up the actual sign.
 - (c) If there are any questions, feel free to contact John Guthrie, Squaw Creek NWR, 816/442-3570.



Size:





No. Eagle Overlook Size: 1'w x 3½'1 11 Letter size: Eagle O..=4" Walking distance 3/4 mi. -Lower line of sign =2½" SEE OTHER ILLUSTRATION— Squaw Creek National Size: $4'w \times 8'1$ Wildlife Letter size. 7" Refuge Silhouette: Snow goose Wild Goose Loop 16 Tour Route Size 1½'w x 2½'1 Distance 10 mi. Letter size: Wild Goose..3" all other wording=23" Arrow Area closed to public access October 1 Size: 1½'w x 3'1 to April 15 Letter size: 25" Loess 18 Bluff Size: 2½'w x 2'l Letter size: 4" Trail Squaw Creek Visitor Center Size: 2'w x 45'1 19 Letter size: 4" except Hours: for Hours=2½" Employees Only 27 4"w x 2'1 2½" Letters 31 Headquarters 6"w x 4'1 4" Letters Information 4"w x 2'1 2½" Letters 48 Pelican 12" w x 18"1 2\square Letters

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Pool

Refuge entrance sign illustration:

Silhouette: Snow goose Size: 4'w x 8'1

Lett size: 7" for refuge name, 25" for U.S.

Fish and Wildlife Ser.

Sign No.

Squaw Creek National WILDLIFE REFUGE



U.S. Fish and Wildlife Service

Refuge entrance sign illustration:

Size: 5'w x 5'l
Letter size: 6"
Silhouette: Snow goose
21/2" LETTERS FOR U.S. FISH
AND WILDLIFE SERVICE

(CENTERED)

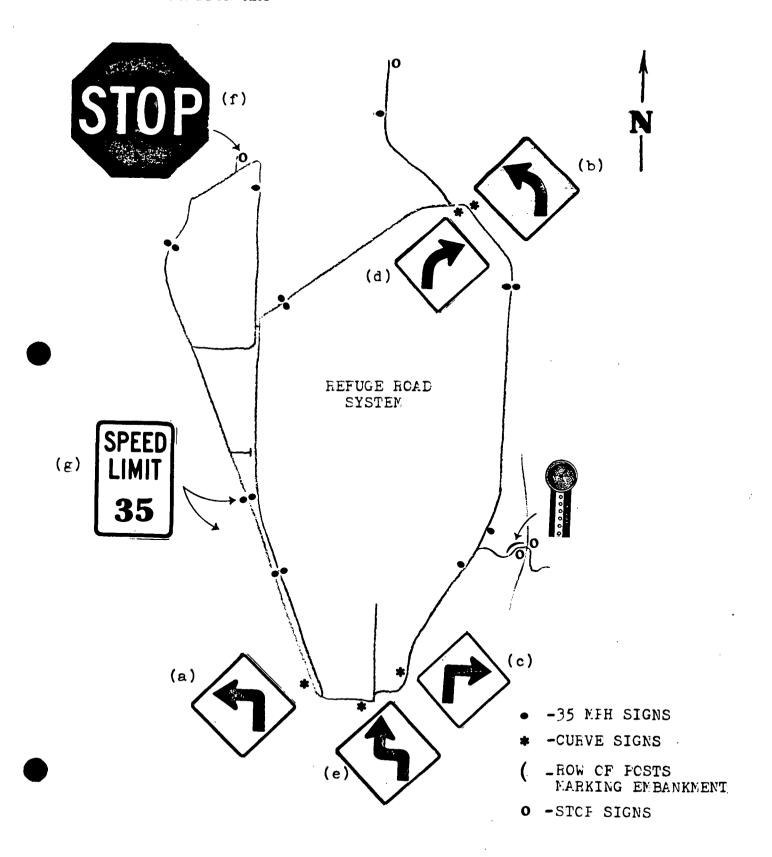
Sign No. 1 & 6



Squaw Creek National WILDLIFE Refuge

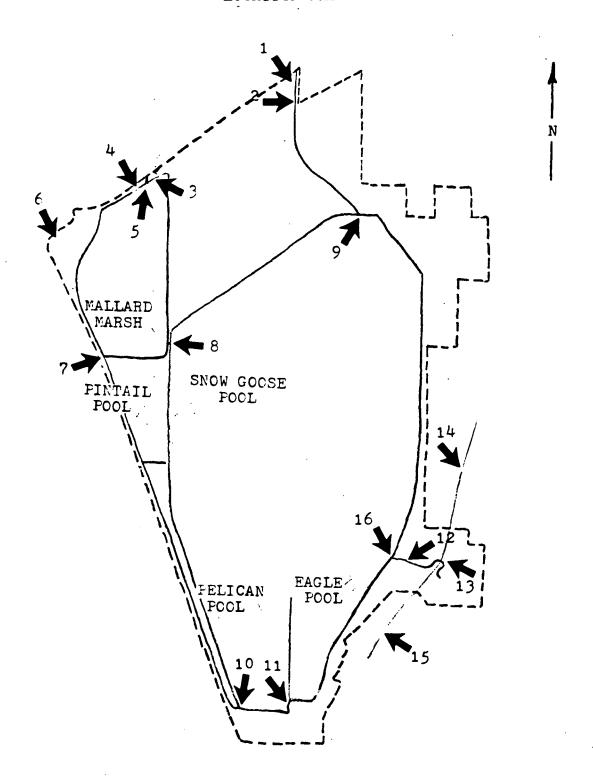
U.S. Fish and Wildlife Service

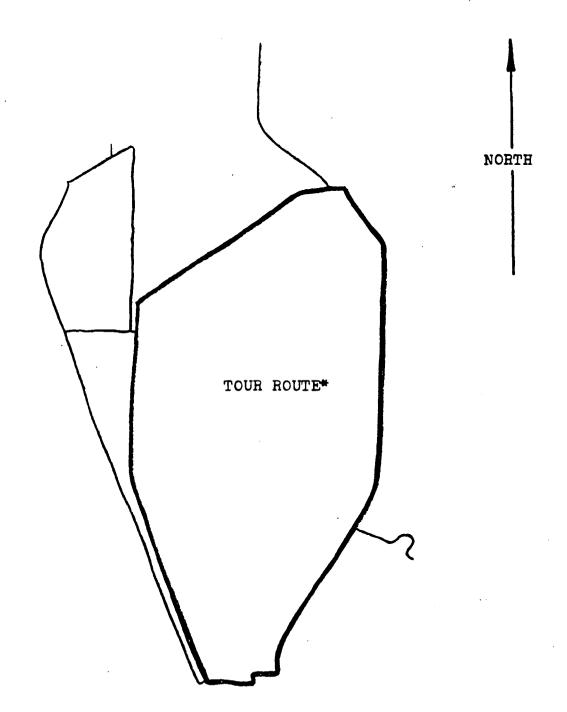
TRAFFIC CONTROL SIGNS (REGULATORY) LCCATION MAP



SQUAR CREEK NATIONAL WILDLIFE REFUGE DIRECTIONAL & REGULATION SIGNING*

LOCATION MAP





* MANY OF THE DIRECTIONAL SIGNS ILLUSTRATED IN THIS PLAN ARE BASED ON THE MAIN TOURING ROAD OF THE REFUGE OR "LOOP ROAD" TOUR ROUTE AS SHOWN IN GREEN ABOVE.

(2005)

Squaw Creek National Wildlife Refuge Sign Plan

Prepared By:

Submitted By:

D.a. Hech 1/17/18

Reviewed:

Graf A divel-Reg. Sign Coordinator. 5/30/78

Mawin L Plenut BLAP coordinator 45/78

Approved:

Dersed J. Wilson 6/5/18

Assistant Regional Director Refugos & Wildlife

ign No.#

.12

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7

10



Squaw Creek National Wildlife Refuge

Size: 5'w x 5!1 Letter size: 6" Silhouette: Snow goose

Letter size: 4"

Letter size: 25"

Letter size: 23"

Total sign size ? ... appropriate symbols

Letter size: 4"

Size: 1'w x $3\frac{1}{2}$ 'l Letter size: 2½" Arrow

Size: 1'w x 3½'1 Letter size: 25" Arrow

Size: 1½'w x 3½'1 Letter size: 25" 2 Arrows

Size: 13'w x 33'1 Letter size: 22" except WILD GO...3" letters 2 Arrows

Size: 3'w x 52!1 Letter size: "all 4" exce Squaw Creek in 6" let

SQUAW CREEK NATIONAL WILDLIFE REFUGE

FERMITTED

PROHIBITED

Firearms

O Fishing (in season)

Wildlife Observation

Camping

O Trail Walking

Littering

O Pets On Leash

Collecting

OPEN DAILY SUNRISE TO SUNSET

REFUGE HEADQUARTERS

SNOW GOOSE POOL PELICAN POOL

MALLARD MARSH

PINTAIL POOL

PINTAIL POOL

MALLARD MARSH HWY 118 2MI.



WILD GOOSE LOOP

REFUGE HDQTRS.3HL

SNOW GOOSE POOL

Squaw Creek NATIONAL WILDLIFE REFUGE

Entrance & Mile

,15

Size: 1'w x $3\frac{1}{2}$ '1 EAGLE OVERLOOK 11 Letter size: EAGLE C..= 4" Walking distance 3/4 mi. Lower line of sign= 23 Arrow Squaw Creek National Size: 4'w x 8'l Letter size: 7" Wildlife Refuge Silhouette: Snow goose WILD GOOSE LOOP Tour Route Size: $1\frac{1}{2}$ 'w x $2\frac{1}{2}$ 'l 16 Letter size: WILD GOOSE . . 3 Distance 10 Mi. all other wording= 22" Arrow Area closed to public access Size: 13'w x 3'l October 1 Letter size: 25" to April 15 Winar 11600 Gr. o LOESS Size: $2\frac{1}{2}$ 'w x 2'1 18 BLUFF Letter size: 4" TRAIL SQUAW CREEK VISITOR CENTER Size: 2'w x 4½'l 10 Letter size: 4" except for Hours= 25" Hours: 100 33 25" Letters Employees Only 4"w x 2°1 6"w x 4°1 4" Letters 31 Headquarters Cirrer lourin 4"w x 2'1 22" Letters 32 Information 22" Letters PELICAN 12"w x 18"1 48 POOL

and an other upon	المعاولة المستعددة المستعدد المستعددة المستعدد ا	and the same of th	
	28	Foot Travel Only	1'w x 16"1 2
	33	Refuge Tour Route	1'w x 2'l 2½" Letters Arrow
	34	Refuge Tour Route	1'w x 2'l 2흥" Letters Arrow
	35	Visitor Center	10"w x 18"1 2½" Letters Arrow
	36	Visitor Center	10"w x 18"l 25" Letters Arrow
	37	Trail 1	4"w x 12"l 2 € Letters Arrow
	38	Arrow only 8"w x	8 00 1
	30	Arrow only 8"w x	
	110	Arrow only 8"w x	sign with directional arrow on it)
	41	Refuge Headquarters	4 x 30"1 2 Letters Arrow
i na	42	Refuge Headquarte	4"w x 30"l 2½" Letters Arrow
	43	MALLARD 12"w x 18 MARSH	3"1 2½" Letters
N. S. S.	44	EAGLE 12"w x 12	2"l 2½" Letters
Jan Jan Jan	45	PINTAIL 12"w x 18	3"1 2½" Letters
JUB SE	46	SNOW GOOSE 12"w x 18	3"l 25" Letters
Che and the second seco	29	Squaw 12"w x 12 Creek	2"1 2½" Letters
	30 68	Davis Creek 12"w x 12	2"1 2½" Letters
η	4736	U.S. FISH AND WILDLIFF	E SERVICE Size: ? 4" Letters
L	- (DECLES TO THE PROPERTY OF THE

WILD GOOSE LOOP

PELICAN POOL 3MI. SNOW GOOSE POOL



MALLARD MARSH PINTAIL POOL



REFUGE HDQTRS. 6MI.



Size: $3'w \times 3\frac{1}{2}'1$ Letter size: 3" for WILD GO... and 2 for rest of sign 3 Arrows

WILD GOOSE LOOP

6p

۶a

MALLARD MARSH PINTAIL POOL



REFUGE HDQTRS. 6MI.

Size: 2'w x 3½'1 Letter size: 3" for WILD GO... and 2 for rest of sign 2 Arrows

WILD GOOSE LOOP

FELICAN POOL 3MI. 8c SNOW GOOSE POOL



REFUGE HDQTRS. 6MI.

Size: 2'w x 35'1 Letter size: 3" for WILD GO.. and 2 for rest of sign 2 Arrows

(Three signs displayed at this roint, rounted in the shape of a "1 with sign 9a facing North, 9b East, and 9c West)

WILD GOOSE LOOP (CELTERED)



REFUGE HDQTRS. 4MI.

PINTAIL POOL, SNOW GOOSE POOL, MALLARD MARSH 3MI.

Size: 2'w x 3½'l Letter size: 3" for WILD GO... and for rest of sig 2 Arrows (WORD FOOK

WILD GOOSE LOOP (CENTERED)



MALLARD MARSH, PINTAIL POOL, SNOW GOOSE POOL

HWY 118 1MI.



Size: 2'w x 3½'1 Letter size: 3" for WILD GO... and for rest of sig

2 Arrows

WILD GOOSE LOOP



REFUGE HDQTRS. 4MI.



HWY 118 1MI.

Size: 2'w x 3½'1 Letter size: 3" for WILD GO... and for rest of sig 2 Arrows

lower case on all Sian-

90

9a

Ull abborang



Rules for Capitalization

- Destinations are always spelled in upper and lower-case letters.
- 2. Directions are spelled in upper and lower-case letters, if they are the only message on the sign.
- 3. Directions are spelled in capital letters, if they occur together with destinations on the same sign.

In these instances, the letter size to be used for the capital letters of the direction is one size smaller than the letter size for the destination.

4. If a directional expression is part of a destination, it will be spelled in upper and lower-case letters.



IMPORTANT

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3. 3. 3. 3. 3.

. See Section . The File Color of the File Color