

800.36A

WHA  
10-12-88



# United States Department of the Interior

FISH AND WILDLIFE SERVICE

FEDERAL BUILDING, FORT SNELLING

TWIN CITIES, MINNESOTA 55111



38

IN REPLY REFER TO:

FWS/ARW-WAM2

OCT 13 1988

## Memorandum

To: Refuge Manager, Wapello District - Mark Twain National Wildlife Refuge

Through: Project Leader, Mark Twain National Wildlife Refuge

From: Acting Wildlife Associate Manager 2 (WAM2)

Subject: FY89 Annual Burning Proposal

Crozier  
10/12/88

Your Annual Burning Proposal has been reviewed and approved. We have changed the cost information on page 2 of the proposal.

Prescribed burning costs are charged to 1261-F7, not 1262. See Notice dated 12/2/87 on Fire Management Information, Fiscal Year 1988.

Please note, steel-toed boots will not be recommended in a future manual release.

*John Hutchinson*

OPS:BHutchinson;kjd;10/12/88;3701  
BURNPROP.WAP

9/27/88

## REFUGES AND WILDLIFE ROUTING SLIP

EADIE

O'Donnell

MB  DINATOR

WILDS

Mathews

REALTY

SWANSON

HIETIKKO

Christensen

Dooley

Grimwood

Halbe

Paulson

West

RUEFF

Goettl

Hagquist

Johnson

Little

Tate

Markwell

Harp

WEIER

Kania

Margosian

Shelton

ASSOC. MGR. - 1

SIEGFRIED

McCorkel

ASSOC. MGR. - 2

CROZIER

McCorkel


REGL. W/L MGMT. BIO.

ELLIS

Cummings (Mark Twain NWR)

Eldridge (MN Valley NWR)

McCorkel

MN WATERFOWL/WETLAND MGT. PROJ. rgus Falls, MN)

ROBBINS

DIV. OF TECH. & ADMIN. SUPPORT

TOLTZMANN

Kuehn

Foster

Schultz

Reece

Special Projects

Lange

Leach

Schotzko

Budget & Administration

DONOVAN

Hamernick

Frans

Special Services

GIBBONS

Dobrovolsky

~~Gale~~

Johnson

Marxen

Southworth

Whitney

Worthington

Kelley

McDuffie

Reilly

Winsor

Janke

Rude

Operations Support

1 HUTCHINSON

Carroll

Kerschbaum

Dablow

(# \_\_\_\_\_) RO Controlled Corresp.

Date Due

(WSS- \_\_\_\_\_ -89) Control Number

Reply Requested

Date Logged Out

File: \_\_\_\_\_

MAIL

THROW

COMMENTS:

Please review the  
attached Annual  
burning proposal.

Due date 10-13-88.

Approved - notes to  
station - steel-toed boots  
will not be recommended in next  
manual release. Costs should  
be charged to 1261-F7 - see  
notice dated 12/2/87

Cal

REGIONAL DIRECTOR

DEPUTY REGL. DIR.

From:

OPS

Hutchinson

Date

10-5-88



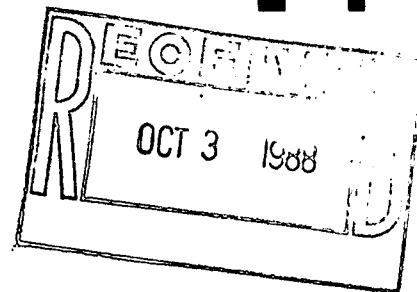
IN REPLY REFER TO:

# United States Department of the Interior

FISH AND WILDLIFE SERVICE  
LOUISIANA NATIONAL WILDLIFE REFUGE  
P.O. Box 75  
Wapello, Iowa 52653



September 22, 1988



## Memorandum

TO: Regional Director, FWS, Twin Cities, MN (WAM2)  
THROUGH: Project Leader, Mark Twain NWR, Quincy, Illinois  
FROM: Acting Refuge Manager, Mark Twain NWR, Wapello, Iowa  
SUBJECT: Annual Burning Proposal

*Concur 9/27  
RMB*

Enclosed is the subject plan. The title page was typed according to Regional Instruction R3:014 dated May 12, 1987, 4 RM 3.20 and 4 RM 3 Exhibit 7A. The "review or concurrence" lines were left blank complying with the above instructions.

*Chet McCarty*  
Marvin C. McCarty

Annual Burning Proposal

Mark Twain National Wildlife Refuge  
Wapello District, Wapello, Iowa

Submitted by:

Clet McCoy  
Acting Refuge Manager

Date: 9/22/88

Monty H. Shultz Project Leader

Date: 9/27/88

Gerard E. Cummings

Date: 9/29/88

Pat Albale

Date: 10/11/88

Approval:

Ed Crozier

Date: 10/12/88

Mark Twain National Wildlife Refuge  
Wapello District  
Prescribed Burning Plan 1988/1989

1. Area Identification

The attached map (Exhibit 1) locates the proposed burn units on the Louisa Division. Prescribed burning is not proposed for the Big Timber and Keithsburg Divisions. Big Timber is not a prescribed unit and it would not benefit from a burning program. Keithsburg will not be included this year because of the levee project in progress. Each burn unit is described in descending order of priority and numbered according to the approved Fire Management Plan.

Burn Unit 4 (28 acres)

Also referred to as the "Sand Ridge," this unit is on high ground with a sandy loam soil. It was seeded in June 1985 to a tall native grass and forb mixture. Forb response was good, big bluestem was extremely sparse, and Indian grass was absent. Foxtail and horseweed dominated large areas. Residual cover for nesting waterfowl next spring will be meager at best. The unit is bordered on the north by Moist Soil 1, on the east by Fox Pond, on the south by Moist Soil 6, and on the west by a road. A late spring burn should encourage native plant growth, will green up early providing grazing for the spring migrants, the forbs will provide cover for nesting, and the grasses will provide residual cover for nesting the following spring.

Burn Unit 1 (Mississippi River Levee, 24 acres)

The river levee runs the length of the refuge from Port Louisa to the southern boundary and is built of river sand. Woody vegetation encroachment is a never ending problem weakening the ability of the levee to hold out flood waters. Burning will set back the woody encroachment.

Burn Unit 1 (Michael Creek Levee, 5 acres)

The portion to be burned runs from the old Michael Creek bridge site to the confluence of Michael Creek and the Mississippi River at Port Louisa. Only the south side (refuge side) of the levee will be burned. The justification and expectations of the burn are the same as the Mississippi River Levee.

Burn Unit 2 (5 acres)

This unit is a transition zone from wet on the west side to upland on the east. The southeast corner has a remnant native grass stand seeded in 1980. During high water it is wet. Willow and cottonwood are encroaching which a prescribed

burn would control. The unit is bounded on the north by a road, the east side by the river levee, the south by marsh and Beebe Pond, and on the west by a ditch.

#### Burn Unit 6 (10 acres)

The native grass field dominated by big bluestem was planted in 1981. Next spring will be the third season without a prescribed burn. Woody vegetation is encroaching. Because county road X-61 is adjacent, a breeze from the northwest will be necessary to maintain driving visibility. A spring burn is planned.

#### Roadsides and Ditches (1-2 acres)

Roadsides and ditches will be spot-burned to control encroaching woody vegetation and maintain cover for nesting waterfowl and general wildlife use. Late fall or early spring burning is planned.

## 2. Burning Plan

Firebreaks and/or fire lines are not required as each unit is surrounded by roads, wide ditches, and/or open water areas.

The fire crew will consist of the refuge manager, the assistant, and the maintenance mechanic. All will be required to pass the step test requirements prior to participating in burning activities in 1989. The proposed burns can be accomplished with two employees.

Personal protective equipment will be required including fire retardant clothing, goggles, steel-toed boots, fire shelters, and leather gloves. The crew will have available a 200-gallon slip-on pumper, two drip torches, flappers, backpack sprayers, portable radios, first aid kits, and two ATV's.

Prescribed burning costs will be charged to 1261-F7. Cost estimates include salaries, transportation, and fuel as follows:

<u>Burn Unit</u>	<u>Acres</u>	<u>Cost/Acre</u>	<u>Total</u>
LSA 4	28	5.00	140.00
LSA 1	24	10.00	240.00
LSA 1	5	10.00	50.00
LSA 2	5	5.00	25.00
LSA 6	10	5.00	50.00
Road sides and ditches	<u>2</u>	10.00	<u>20.00</u>
	74		\$525.00

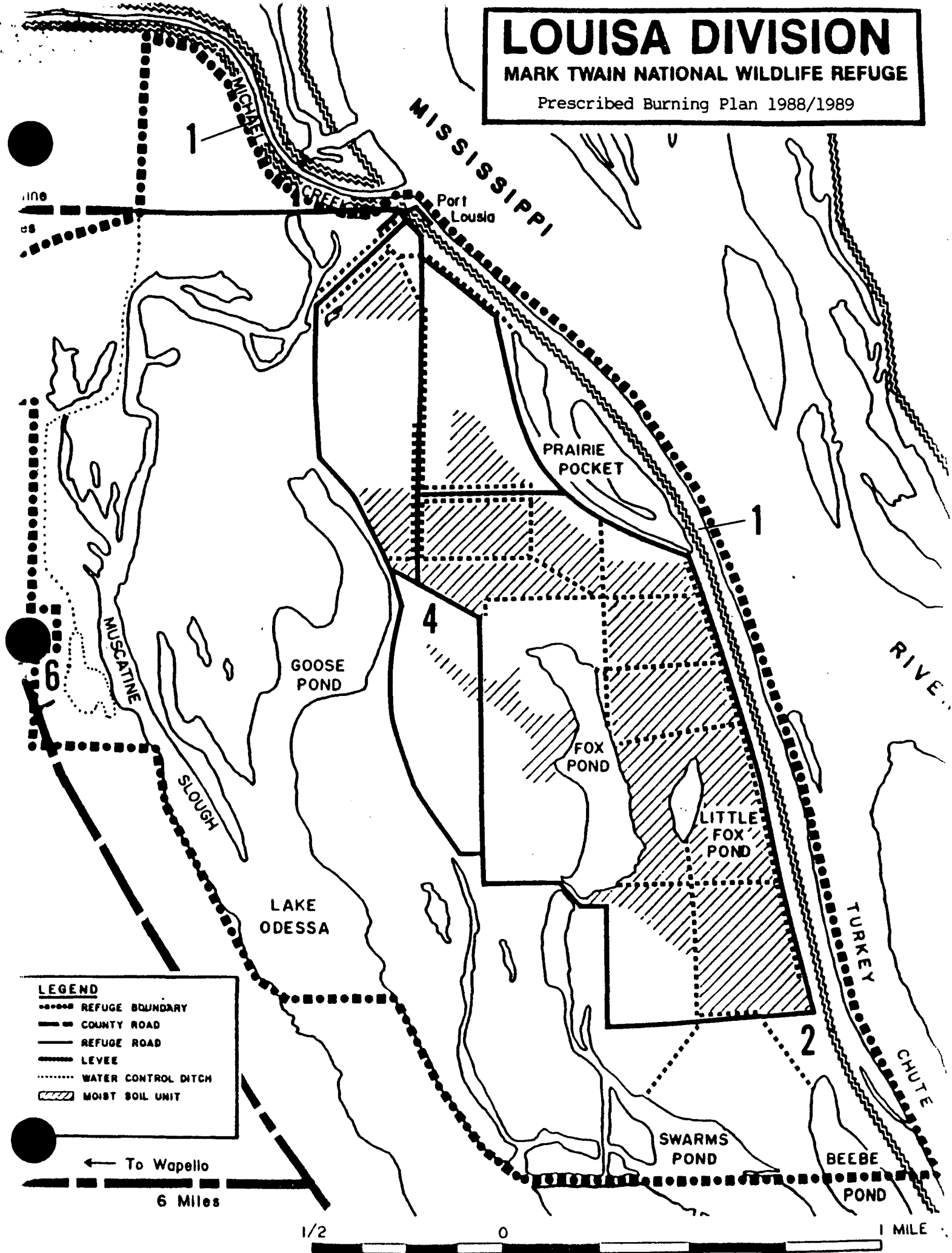
### 3. Summary

The estimated cost of the completed project is \$525.00 and itemized above. Purchasing of new equipment is not needed. The purpose of this prescribed burning program is to maintain and/or improve habitat for nesting waterfowl and resident wildlife, and to maintain the integrity of the protection levee.

# LOUISA DIVISION

MARK TWAIN NATIONAL WILDLIFE REFUGE

Prescribed Burning Plan 1988/1989





N. Brown  
10/26/89  
Gibbons  
10/26/89

38

OCT 30 1989

FWS/ARW

Memorandum

To: Refuge Manager, Wapello District, Mark Twain NWR  
From: Wildlife Associate Manager 2, (WAM 2)  
Subject: Prescribed Fire Proposal FY 1990

Your prescribed fire proposal for FY 1990 is approved as submitted.

*/s/ M. Kerschbaum*

Matthias A. Kerschbaum

Attachment: Approved plan

FWS/ARW-DARW-SS:N.BROWN:rmj:10-26-89:x3924

CHECK LIST FOR PLANS/PROPOSALS

1. Annual Burning Proposal 1989/90 - Mark Twain NWR, Wapello District  
(Date Rec'd) Name of Plan/Proposal, and Refuge
2. 11/7/89  
Reviewer's Due Date
3. \_\_\_\_\_ SS items routed to Barb to log in.
4. \_\_\_\_\_ Copies made for reviewers.
5. SS \_\_\_\_\_ Plans/Proposals routed to:  
Reg. Fire Coord.  
\_\_\_\_\_  
\_\_\_\_\_
6. \_\_\_\_\_ Comments received from reviewers:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. \_\_\_\_\_ Memo of needed revisions.
8. \_\_\_\_\_ Sent back for revisions.
9. \_\_\_\_\_ Memo to transmit original, approved Plan/Proposal  
to refuge.
10. \_\_\_\_\_ Approval date entered on chart.
11. \_\_\_\_\_ Make copy of Plan and put in black book.
12. \_\_\_\_\_ Make copy of Proposal and put in file.

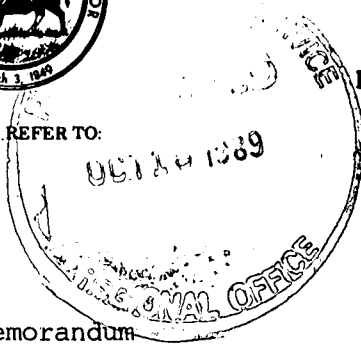


# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
LOUISA NATIONAL WILDLIFE REFUGE  
R. R. 1, Box 75  
Wapello, Iowa 52653

IN REPLY REFER TO:



October 11, 1989

Memorandum

To: Assistant Regional Director, FWS, Twin Cities, MN (WAM2)

Through: Project Leader, Mark Twain NWR, Quincy, Illinois

From: Refuge Manager, Mark Twain NWR, Wapello District

Subject: 1989/90 Prescribed Burning Program

*TLB 10/13/89*

Attached is the subject program for your review and approval. Thank you.

*Tom Bell*  
Tom Bell

FWS/ARW-WAM2

NOV 13 1989

40  
800.47

Memorandum

To: District Manager, Wapello District - Mark Twain NWR  
Thru: Project Leader, Mark Twain National Wildlife Refuge (NWR)  
From: Wildlife Associate Manager 2  
Subject: 1989-90 Annual Trapping Proposal

Your 1989-90 Annual Trapping Proposal has been approved as written.

**/s/ Matthias A. Kerschbaum**  
Matthias A. Kerschbaum