

# Fire Operations: Constraints/barriers to Implementation

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People-based

Place-based

Legal/regulatory-based

\*Budget and weather sold separately

# People-based

Internal

Crews

Organization

External

Public

Partners/cooperators



Communication!

Internal

Crews

Training

Standards

Organization

Fire Culture

Pyrophilic or pyrophobic?

External

Public perception or tolerance

Smoke

Partners/cooperators

Permits

Contingencies



Internal

Crews

Training

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Contingencies







# Place-based

Values

Risks to crews

Smoke



# Place

## Risks to values

- Fuels within the unit
- Fuels outside the unit
- Structures or other values

## Risks to crews

- Working along roads
- Hazardous materials?
- Physical fitness

## Smoke

Our biggest wildcard?



# Place

## Risks to values

Fuels within the unit

Fuels outside the unit

Structures or other values at risk

## Risks to crews

Working along roads

Hazardous materials

Physical fitness

## Smoke

Our biggest wildcard?



# Place

## Risks to values

Fuels within the unit

Fuels outside the unit

Structures or other values at risk

## Risks to crews

Working along roads

Hazardous materials?

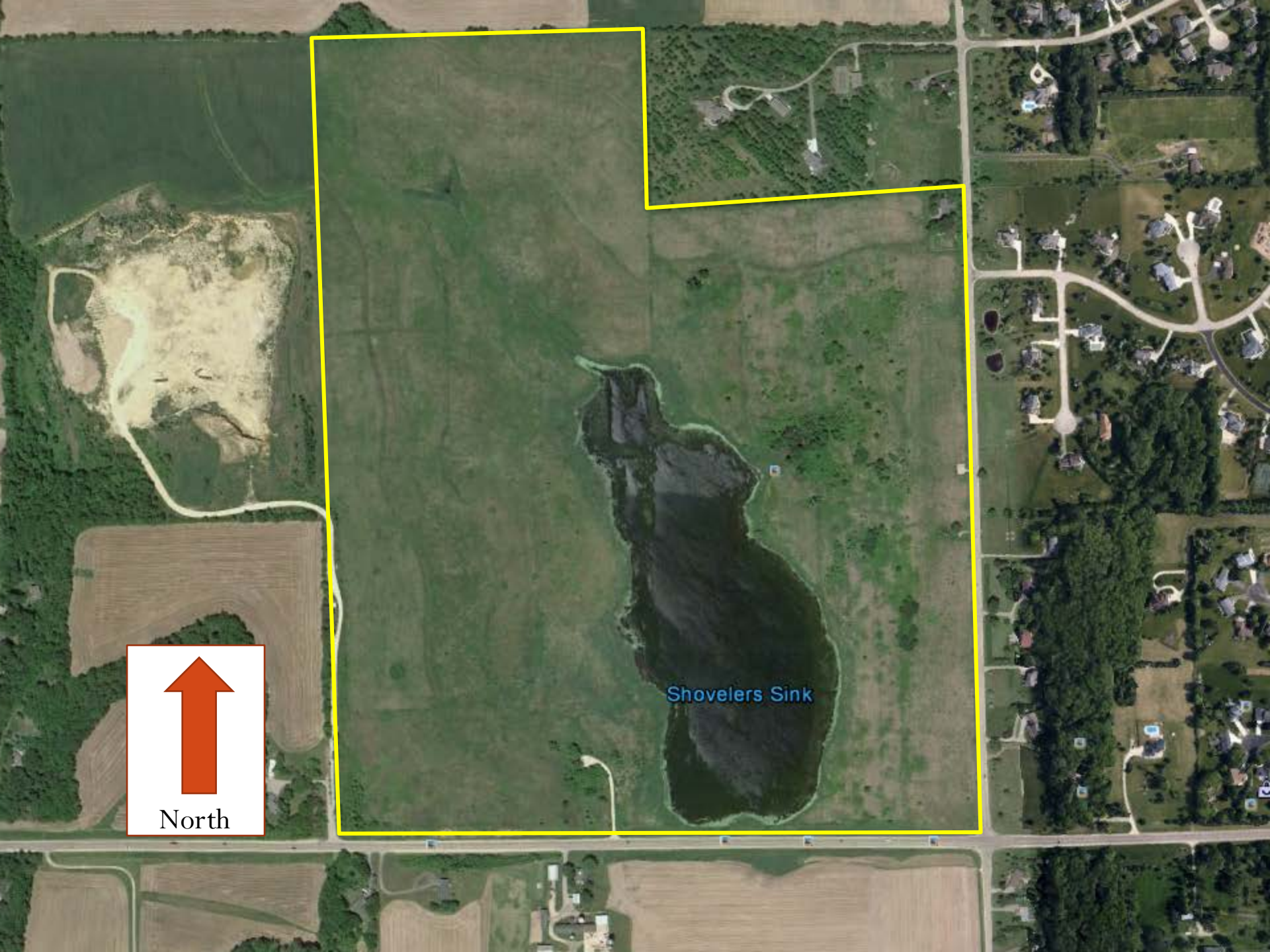
Physical fitness

## Smoke

Our biggest wildcard?

Once it's in the air it's beyond our control





Shovelers Sink



North



Legal/regulatory-based

Internal/Organizational

Planning

External

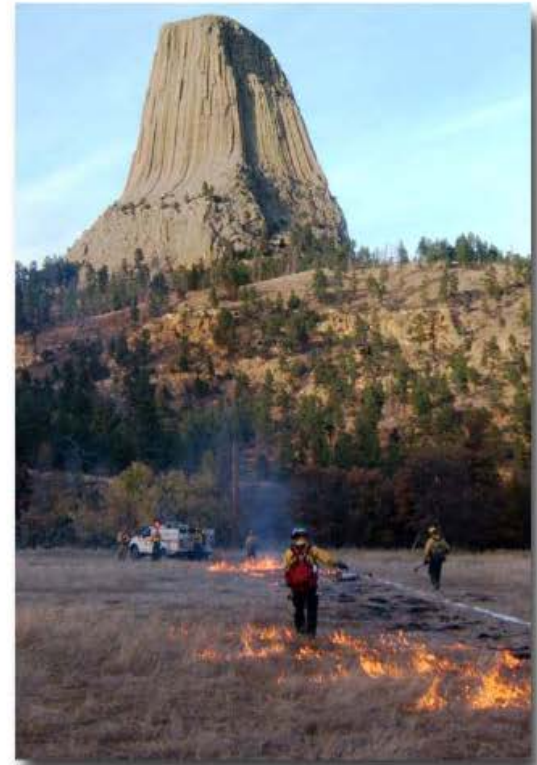
Permitting



Fire Act

# Interagency Prescribed Fire

## Planning and Implementation Procedures Guide



### PRESCRIBED FIRE PLAN

ADMINISTRATIVE UNIT(S): \_\_\_\_\_

PRESCRIBED FIRE NAME: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Name & Qualification/Currency

TECHNICAL REVIEW BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Name & Qualification/Currency

## **PRESCRIBED FIRE PLAN**

ELEMENT 1. SIGNATURE PAGE

ELEMENT 2. GO/NO-GO CHECKLISTS

ELEMENT 3. COMPLEXITY ANALYSIS

ELEMENT 4. DESCRIPTION OF THE PRESCRIBED FIRE AREA

ELEMENT 5. OBJECTIVES

ELEMENT 6. FUNDING

ELEMENT 7. PRESCRIPTION

ELEMENT 8. SCHEDULING

ELEMENT 9. PRE-BURN CONSIDERATIONS & WEATHER

ELEMENT 10. BRIEFING

ELEMENT 11. ORGANIZATION & EQUIPMENT

ELEMENT 12. COMMUNICATION

ELEMENT 13. PUBLIC & PERSONNEL SAFETY, MEDICAL

ELEMENT 14. TEST FIRE

ELEMENT 15. IGNITION PLAN

ELEMENT 16. HOLDING PLAN

ELEMENT 17. CONTINGENCY PLAN

ELEMENT 18. WILDFIRE CONVERSION

ELEMENT 19. SMOKE MANAGEMENT & AIR QUALITY

# Permitting

Burn permits (permission?)

Formal or informal

Minimally - notification

Availability of contingency resources

Smoke/air quality permits

Ozone action days

# Michigan

## Smoke Management Program





**ADVANCE NOTICE AND  
APPROVAL OF PERMITTED**

**Issued To:**  
**US Fish & Wildlife Service, Seney NWR**

**US Fish & Wildlife Service, Seney NWR, 1674 F  
Seney MI 49883**

**Permit Number: 98000-023713-14-022714**  
**Permit Type: Annual Application**  
**Advance Notice Number: 21461**

**Contact:**  
**Gary Lindsay**  
**906-586-9851 Extn:19 906-235-2334**  
**gary\_lindsay@fws.gov**

**Purpose:**  
Prescribed burn on federal land. No impact to the road is expected.

**MDOT Job Number:**

<b>Date Work To Begin</b>	<b>Proposed Completion Date</b>	<b>Number of Days:</b>
<b>9/2/14</b>	<b>9/18/14</b>	<b>16</b>

**Lane Closure Proposed:** No

**Work Located on restricted route** No

It's not just a simple matter of  
should we or shouldn't we burn a  
given parcel...

