

Indiana Department of Natural Resources - Division of Forestry

PRESCRIBED BURNING PLAN

Property Name: Greene-Sullivan State Forest

County: Sullivan

Management Unit: Dugger - West Bass Lake **Sec:** 7&8 **Twp:** 7N **Range:** 8W

Projected Size of Burn 92 acres

Projected Date of Burn: Feb-April 2011

Description of Burn Unit (include information on overstory, understory, fuel type and topography):

Reclaimed strip mined ground. Predominately fescue with scattered patches of willows. Terrain is slightly rolling. Has three warm season grass plots located throughout the tract.

Resource Management Objective of Burn:

To kill off woody species and promote warm season grasses.

History of Previous Burns (include dates, results, wildfire or prescribed, etc.):

2008 fall prescribed burn

2006 prescribed burn

2004 prescribed burn- area burned well except for stands of willows in low areas.

2000 prescribed burn- Area burned well except for stands of willows in low areas.

1998 prescribed burn

Description of adjacent area (if significantly different in fuels, topography, etc.):

Water south, west and east sides. County road north side.

Special Considerations (include flora, fauna, safety, public not in agreement, etc.):

bird nesting

Safety

The parking areas adjacent to county roads to the north, south, east and west will be safety zones. Riparian areas can also be found along the lake shores which may be used. Black Areas may also be utilized.

Smoke will be monitored to see if it creates visibility problems on the county roads. If it does drivers will be cautioned to wait or advised to turn headlights on before driving into the smoke.

The engine will patrol the perimeter of the fire from the county roads.

Problem Areas

Wet spots throughout the area will pose problems for vehicles driving across the area.

Ignition Sequence

Torch 1 will start in the NE corner and proceed south along the east perimeter. Torch 2 will go west along the county road on the north side to the NW corner and then proceed south and meet torch one where Bass lake overflows into Duck lake.

Complexity of Burn based on Complexity Rating System (attach rating scale)(circle one):

Basic Complex

Acceptable Burning Parameters (minimum/maximum):

- 1. Type of firing method (circle all appropriate): backing flank ring strip head head
- 2. Allowable Rate of Speed (specify ft./min. Or ch./hr.) 69-270 ch/hr
- 3. Allowable Flame Length (feet) 3.5 - 12
- 4. Allowable Mid-Flame Wind Speed (mph) 3-7
- 5. Allowable Wind Direction (circle all appropriate): N NE E SE S SW W NW
- 6. Relative Humidity (percent) 30-50
- 7. Temperature (degrees Fahrenheit) 45-70
- 8. Time of Year (circle all appropriate): Spring Fall
- 9. Fuel Moisture 1 hr. TLFM 7-8 10 hr. TLFM(fuel sticks) 11-14 10. Days Since Last Rain 3-10

Pre-Burn Preparations Required:

At the NW corner of Turtle Lake black line or disc 6' strip to Duck Lake.

Equipment Needed:

- a. Dozers by Type
- b. Observation Aircraft
- c. 1 Engines by Type 8
- j. 3 Backpack Pumps
- k. Hose Quantity(hose size)
- l. 4 Drip Torches(slash fuel qty 20)

d. _____ Chainsaws & Fuel

m. 2 Mobile Radios

e. _____ Portable Pumps

n. 5 Portable Radios

f. 1 Belt Weather Kits

o. _____ Fire Behavior Printouts

g. _____ Brush Cutter & Fuel

p. _____ Maps/Photographs

h. 3 Council Rakes

q. 3 Flappers

I. 1 Quadrunner

r. _____ Other (specify)

Personnel Needed (include number and qualifications):

1 burn boss
3 firing specialist
1 holding specialist
2 crew members

NOTE: All personnel must wear all personal protective equipment as outlined in the Division of Forestry Wildland Fire/Prescribed Fire Policy.

Smoke Sensitive Areas within 10 Miles (specify type, distance and direction from site):

Dugger – east 3 miles
Turkey Barn – SW 1 mile
SR54 – North 1 mile
Sullivan – NW 4 mile

Contingency Plan for Escaped Fire (only employees that meet physical fitness and training requirements can be utilized during active suppression):

Qualified personnel will suppress wildfire. Other personnel will continue to hold prescribed line or retreat to safety zone. Local fire departments will be contacted for assistance if needed.

Contacts:

Pre-Burn:

Contact	When	Who Will Do	How
Weather Service	Day before	Steve	Internet
Fire Departments	Day before	Philomene	TX
County Sheriff	Day before	Philomene	TX
County Health	Day before	Philomene	TX
Local Residents (adjacent landowners)	ASAP and day before	Steve	Personal/TX

Burn Day:

Weather Service	AM	Steve	Internet
All Cooperators	AM	Philomene	TX or Radio
Local Residents	AM	Philomene	TX or Personal
Fire Headquarters	AM	Philomene	TX or Radio

Spot Weather Forecast (circle source): NOAA Weather NWS Internet Media (specify) TV
Other (specify)

- | | |
|------------------------|-----------------------------|
| 1. Sky _____ | 6. Highest Temperature |
| 2. Precipitation _____ | 7. Lowest Relative Humidity |
| 3. Cold Fronts _____ | 8. Atmospheric Stability |
| 4. LASI _____ | 9. Wind Speed |
| 5. Wind Direction | |

Firing Techniques and Preparation

Attach a map or detailed drawing showing area to be burned, firebreaks, ignition sequence, equipment and personnel placement, roads, water supplies, etc.

PROJECT NAME: West Bass

DATE: 2011

Complexity Point Record

<u>Matrix Item</u>	<u>Parameter Value</u>	<u>Severity Points</u>
1. Firing Technique	<u>backing/strip head</u>	<u>2-7</u>
2. Fuel Model Outside Unit	<u>1</u>	<u>5</u>
3. Unit Shape	<u>somewhat uniform</u>	<u>5</u>
4. Fuel Model of Burn	<u>1</u>	<u>5</u>

Reviewed by Section Chief: Dan Ernst Date: 2/21/11

Reviewed by Fire Headquarters: Drew Daily Date: 2/22/11

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West Bass Lake Burn Map



