



MISSOURI DEPARTMENT OF CONSERVATION

PRESCRIBED BURN PLAN

PROJECT DESCRIPTION	
Area/Field, Stand or Unit No.: Platte Landing Park Wetland Unit	
Prepared by: Paul Lowry	Date: 10/8/14
RX Burn Boss approval:	Date:
Location description (attach map): T51-R34-S35	
Acreage: 98	
Site description: The site is located in the Platte Landing Park complex adjacent to the public boat ramp and dog park on the South side of Parkville. It is comprised primarily of tall broadleaf plants and Johnsongrass with interspersed small woody plants. There are a few shallow water depressions that may not carry a fire well depending on weather and soil moisture.	
Sensitive areas: Down town Parkville is located to the North of the burn unit and is the major sensitive site for concern. Burning with a Northerly wind will reduce smoke impacts on down town. Other sensitive areas include a large portion of Platte Landing Park to the East of the unit and an adjacent dog park on the South side. Care should be taken to ensure fire does not burn fence posts of the dog park. The dog park and boat ramp areas will need to be shut down during the burn.	

PRESCRIPTION			
Burn objectives: This burn is to be conducted to clear old vegetation growth to stimulate seed germination of invasive plants such as Johnsongrass to be sprayed for control on site.			
Preferred timing: November 1 – April 15 th (dormant season burn)			
Desired fire behavior: Fire with sufficient heat to consume herbaceous litter and top-kill invading woody sprouts. Fire should be high intensity and slow moving to give adequate heat to kill woody growth and consume broadleaf plants.			
Conditions needed:		Range	Ideal
	Temperature	35-70	50
	Relative humidity	30-50	35
	1 hr. fuel moisture	7-12	9
	10 hr. fuel moisture	8-13	10

Midflame windspeed	5-12	8
Wind direction	N, NW, NE, E	N

Smoke management:

Desired atmospheric conditions:

Mixing height: >1650'

Ventilation rate: >6000 m³/sec

Air quality restrictions that apply: The city of Parkville is to the North. At no time should a burn be conducted with a South wind. Burning with a South wind will put smoke on downtown Parkville.

Firelines: (see attached map) Firelines on the West, North, and East of the burn unit will consist of 8' wide gravel walking trail with 10' close mowed line adjacent to the trail. On the South the fireline will be a paved entrance road that will be closed during the burn. There will also be a 15' minimum mowed line around the dog park to be used as a firebreak on the back fire.

Adjacent fuels: **West** – picked crop field
North - creek riparian area
East – mowed grass
South – MO river riparian bottomland timber litter

PROJECT RESOURCES

Prescribed Fire Burn Boss:

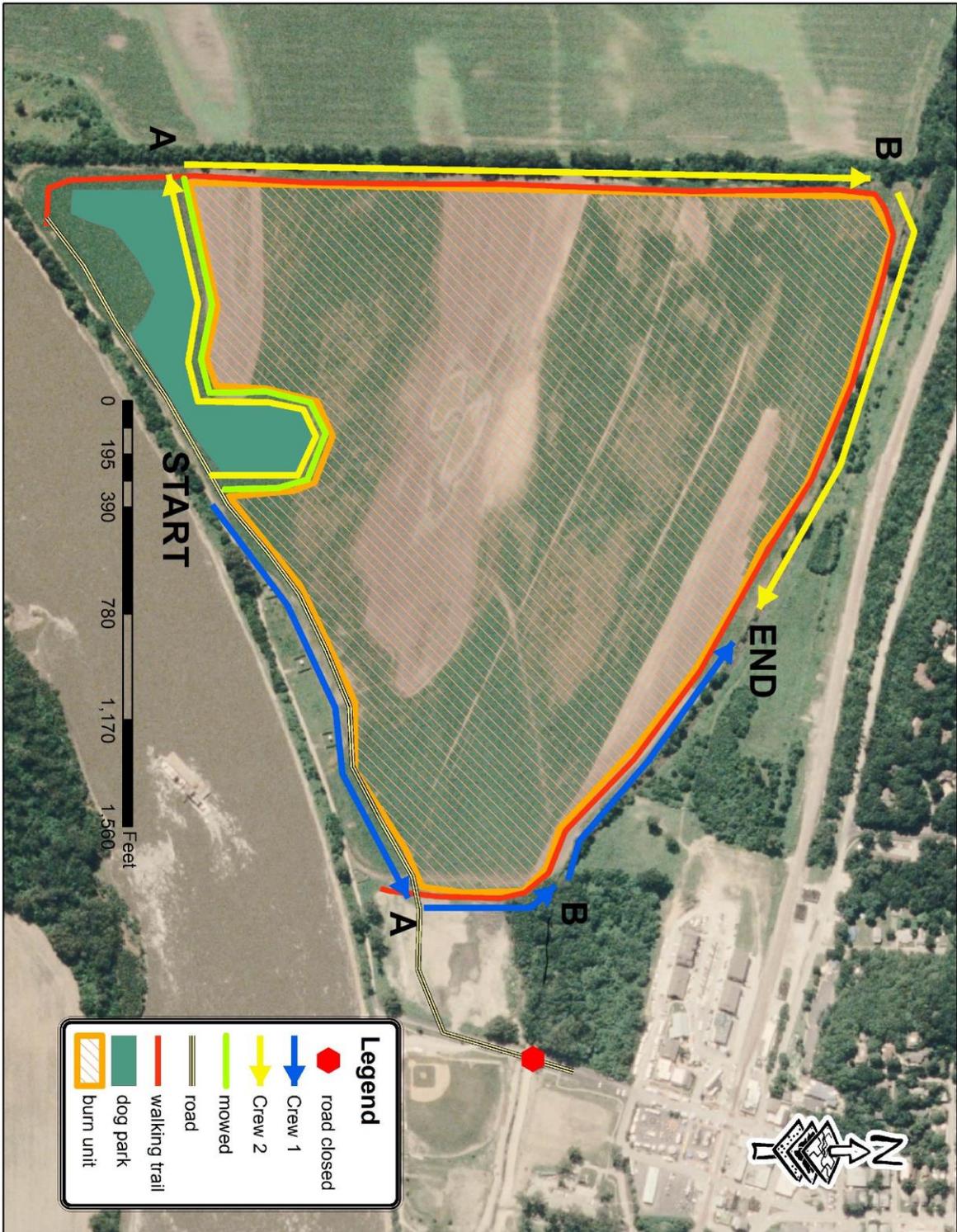
Crew size: 4 minimum, 6 ideal

Ignition/holding crew(s): 2, 1 each crew

Suppression crew(s): 2, 1 each crew

Other crew members: Extra crew members may fill in on the suppression crew. Any additional crew members could be used as road spotters for smoke impact on traffic. If possible, utilize Parkville PD to monitor the road closure into this part of the park.

Hand equipment:	Number	Assignment
Drip torches	2	Ignition Crew Members
Broom rakes	2-4	Suppression Crew Members
Other equipment:	Number	Assignment
Matches	Each crew member	
Portable radios	2	Ignition Crew Members
Drip torch fuel	5 gal	
Drinking water	Enough for all crew members	
Food	As needed	
Aerial photos, maps	Each Crew Member	



DAY OF BURN CHECKLIST

Area/Field, Stand or Unit No.:

Date:

Burn Day Checklist (Go/No Go):

Refer to contents of Burn Plan

_____ Notifications made

_____ All equipment present and in working order

_____ Personnel on site with proper personal protective equipment

_____ Personnel briefed on procedures and contingencies

_____ Personnel briefed on communications and safety zones

_____ Backup resources available

_____ Weather within prescription Time: _____

Wind speed: _____ Direction: _____

Temperature: _____ RH: _____

_____ First aid kits fully stocked

Emergency medical services: _____
Name Phone

I certify that all items on the checklist are "go" for the burn:

Prescribed Fire Burn Boss

POST-BURN EVALUATION

Weather

Pre-burn Time: _____
Temperature: _____
Relative humidity: _____
Windspeed: _____
Direction: _____

Post-burn Time: _____
Temperature: _____
Relative humidity: _____
Windspeed: _____
Direction: _____

Fire behavior

Rate-of-spread: _____
Flame lengths: _____

Circumstances of any erratic fire behavior:

Smoke dispersal during burn:

Percent of area burned:

Amount of fuel consumed:

Any public interest during burn – pro or con: