

Notice: Collection of this information is authorized pursuant to ss 26.11(1), Wis. Stats., and Chapter NR 30, Wis. Adm. Code. Personal information collected will be used for program administration and may be provided to requesters as required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

Instructions: See Chapter 60 of Prescribed Burn Handbook for instructions. Attach map(s) of burn unit(s) and any additional worksheets.

BURN INFORMATION: 429 acres at Sauk Prairie Recreation Area (5716Rocket Area2014)

Created Date 10/10/2014	Expiration Date 12/31/2017
Burn Coordinator: Frost, Nancy A	Burn Coordinator Supervisor: Ishmael, William E
Technical Reviewer: Young, Aaron M	Property Manager: Select One...

SUBJECT DESCRIPTION

DNR Property Name: Sauk Prairie Recreation Area	FR Property Number: 5716 - SAUK PRAIRIE RECREATION AREA
County: Sauk	Municipality: TOWN OF SUMPTER
Management Unit: SAUK PRAIRIE RECREATION AREA	Town/Range/Section: 10N 6 E 12
Burn Unit: Rocket Area Last Burned On: 4/17/2014	

AREA DESCRIPTION

Cover Type	Percent of Area	Soil Type	Acres
Upland Brush	55	SILT LOAM, LOAM, SILT	429
Upland Grass	40		
Prairie Grass	5		
Total Acres:			429

Total Percent of Area : 100		1 Hr	10 Hrs	100 Hrs	Live	Total Hrs	1000 Hrs	Total With 1000 Hrs
Fuel Load Type	Acres							
5 - Brush	235	235.00	117.50	0.00	470.00	822.50	0.00	822.50
3 - Tall Grass (2.5 feet)	20	60.00	0.00	0.00	0.00	60.00	0.00	60.00
1 - Short Grass (1 foot)	171	126.54	0.00	0.00	0.00	126.54	0.00	126.54
10 - Timber (litter and understory)	3	9.00	6.00	15.00	6.00	36.00	51.00	87.00
Total:	429	430.54	123.5	15	476	1045.04	51	1096.04

Fuel Break Type	Width (ft)	Comments	Firing Technique
Road - Unimproved	5ft - 10ft	Very few of this width	Strip Head
Road - Unimproved	10ft - 15ft	Most are of this width	Flanking Backing

Slope
 2 to 6%

Topography
 fairly flat with some berms

XY Coordinate Type	X Value	Y Value	Comments	Aspect
Lat Long – Decimal Degrees	43.3560	-89.7240		NA

LOGISTICAL INFORMATION

Will public notice be required?	[X] Yes [] No 429
NR 429 alternatives considered and rejected?	[X] Yes [] No NR429
Are there rare species or natural communities present??	[X] Yes [] No NHI

EQUIPMENT AND PERSONNEL NEEDS

Equipment	How Many	Comment
Other	2	backcans
ORV with Water	2	
Handtools	3	
Radios	5	
Engine - Type 8	1	

Personnel	How Many	Comment
Burn Boss	1	
Ignition Specialist	2	
Firefighters	2	

PRESCRIPTION RANGE

Temperature	Min. <u>35</u> Max. <u>75</u>	Minimum Smoke Dispersal: Poor < 13000 Minimum Mixing Height (ft): 500 Wind Direction: All Transport Wind Direction : All
Relative Humidity	Min. <u>25</u> Max. <u>65</u>	
1-Hour Fuel Moisture Percent :	Min. <u>5</u> Max. <u>30</u>	
10-Hour Fuel Moisture Percent	Min. <u>7</u> Max. <u>22</u>	
20 Ft Winds Speed (mph) :	Min. <u>4</u> Max. <u>20</u>	

BEHAVE FUEL MODEL

BEHAVE Fuel Type	Percent	Min. Flame Length	Max. Flame Length
5 - Brush	55	1	14
3 - Tall Grass	5	1	15
1 - Short Grass	40	1	5

More Specific Prescription Comments:

This checklist includes materials required to complete a Prescribed Burn Proposal.

1. General Management Plan & Specific Objectives

Mgmt Plan and Specific Objectives

Document

The primary objective of this prescribed burn is to reinvigorate the native grasses and forbs with a 90% black out in those areas. In the rest of the burn unit the objective is to set back woody invasive species.

2. Special Precautions

Special Precautions

Document

SPRA is currently closed to the public (10/14) but will probably be open the spring of 2015. We will try to do the burn the fall of 2014 due to no public access. USDA Dairy Forage owns land to the south and may have workers on the road or in the area. Signs will be put on the south road if the burn will occur fall of 2014 to notify USDA of the burn. If burned after the fall of 2014 signs will be put on the north and south road. Army (if still stationed at SPRA) and USDA will be notified of the burn. If burn is done after the fall of 2014, more personnel will be needed due to potential of recreational users in the area.

3. Firing Plan & Holding Plan

Firing Plan and Holding Plan

Document

A test fire will be conducted on the downwind side of the unit. If fire behavior is determined to be within prescription, ignition will continue with the test fire as the anchor point for a perimeter firing technique. If it is determined it is within prescription but the test fire area is not the location for the anchor point, the anchor point will be moved to proper area. If it is not within fire prescription, the test fire will be extinguished and the burn postponed. Ignition will start at the anchor point in both directions utilizing drip torches creating a backing and flanking fire. When the flanking and backing fires have created significant black, igniters will proceed to light the head fire. Due to the extensive road system in the this burn unit, when we have the first "compartments" with large enough black from backing fire, flanking fires can be started on the outside "compartments" along with head fires. Strip fire and dot fires may also be used based on weather, fuel conditions, number of personnel, etc. There should be one firefighter following behind the ignition specialist to control any spot fires or breached fire break. Frequent checks of the line to the ignition point will also be conducted. Mop up will focus on issues closest to the fire break (i.e. snags burning near break) and move towards the interior of the unit as appropriate/necessary.

4. Communication Plan

Communication Plan

Document

Each member of the fire crew will have a portable radio or be next to someone who does, so communications can be heard or relayed to all on the crew. The burn boss, in addition, will carry a cell phone for communications outside the burn crew. (i.e. WDNR Dispatch and 911). The burn boss will primarily communicate with the line bosses. The line bosses will primarily communicate with their respective line crew. All personnel will communicate directly with the burn boss if necessary or appropriate. IMPORTANT NUMBERS: DNR Dodgeville Dispatch (608) 935-1929. DNR Wis. Rapids Dispatch (715) 421-7841; Sauk County Sheriff (608) 377-1195. Army contact (608) 785-1111, Robert Sitton (Mike) (608) 785-1111, army contractors Delbert (Del) Davis (608) 785-1111, Debra (Deb) Fawcett (608) 785-1111, and USDA Dairy Forage will be contacted. USDA Dairy Forage Rick Walgenbach (608) 785-1111.

5. Contingency Plan

Contingency Plan

Document

Small slop-over and spot fires will be attacked directly with equipment on the site. In the case of an escaped fire all ignition will be halted to contain the fire unless unsafe to do so. All available on site resources will be used to help secure the escape. If the burn boss feels that the escaped fire can not be secured, 911 will be called and they will be asked to dispatch the local fire department for assistance on an escaped fire. If additional resources are needed Wisconsin Rapids Dispatch (715) 421-7841 and Dodgeville DNR Dispatch (608) 935-1929 will be called. If traffic control is needed Sauk County Sheriff's Department will be called at (608) 377-1195.

6. Endangered Resources Review

Endangered Resources Review

Document

NHI SPRA Rocket Area details

See Uploaded

Document

NHI SPRA Rocket Area Final Review

See Uploaded

Document

7. Maps showing location and boundaries of the project/property

Maps

Document

SPRA Plat Map

See Uploaded Document

SPRA Rocket Area Burn Unit Large

See Uploaded Document

SPRA Rocket Area Burn Unit Close-up

See Uploaded Document

8. Pictures

Pictures

Document

9. Behave Models

Behave Models

Document

10. Other Plans

Others

Document

Prescribed Burn Evaluation

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Region	County	Property No.	Burn Unit Name	Burn Unit No.	Year	Unit Acreage	Tracking Number
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Burn Documentation

Date of Burn	Phenological Stage	Burn Boss	% Area Burned	Acres Burned	Time of Ignition	Time Completed
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Firing Technique (s) Used: sFiringTech

Precipitation		Palmer Drought Index	10 Hr Fuel Stick Moisture		Total Cost	Cost Per Acre
Days Since >.10"	Amount		%	Distance From Burn miles		

Fire Behavior and Weather (Any single observation need not include all items)

Time	Spot Fires	Spread Rate	Flame Height	Fuel Type	Stability Index	Temp	Relative Humid	Wind	Gust (mph)	Cloud Cover	Mixing Height	Transport Winds

Time	Distance from burn Site	Fire Intensity	Remarks

Additional Comments:

Post-Burn Documentation (Immediately after burn, complete items which apply to objectives)

% Consumed: | Litter: | Grass/Forb: | Brush: | Slash: |

Trees (Target Species Only)

Species	Crown Scorch	Bark Scorch Ht.	Bark Char Ht.	Remarks

Subsequent Evaluations (Target Species)

#	% Top Kill	% Area Burned	% Duff Removed	% Residual Killed	Increase in Grass Height (inches)	# Seedlings / Acre Regen	By	Date

Objectives Met?

If prescribed fire did not obtain your objective, explain why you think it didn't

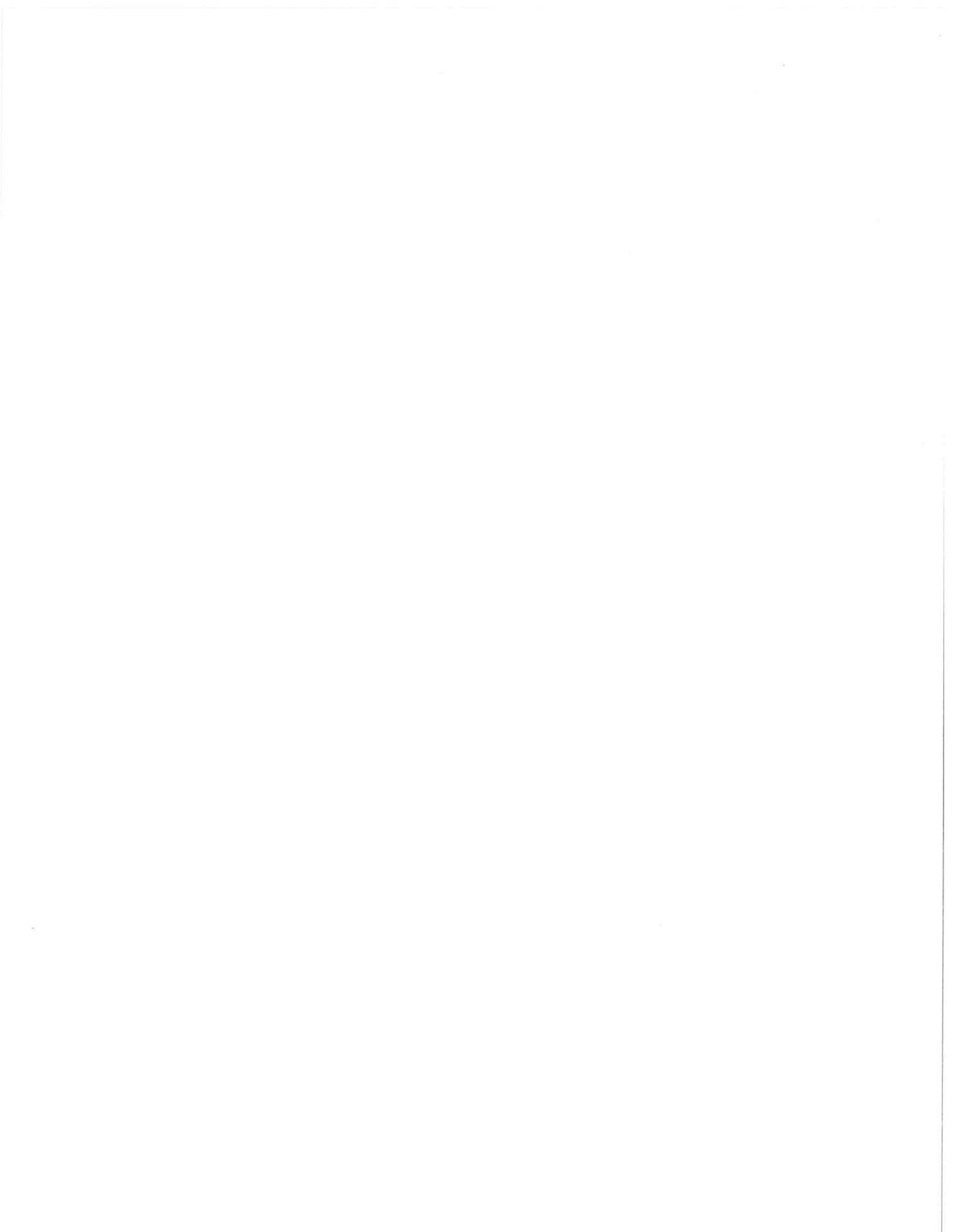
If prescribed fire did obtain your objective, what do you feel were the most important factors (weather, time of year, fuel type, etc.)

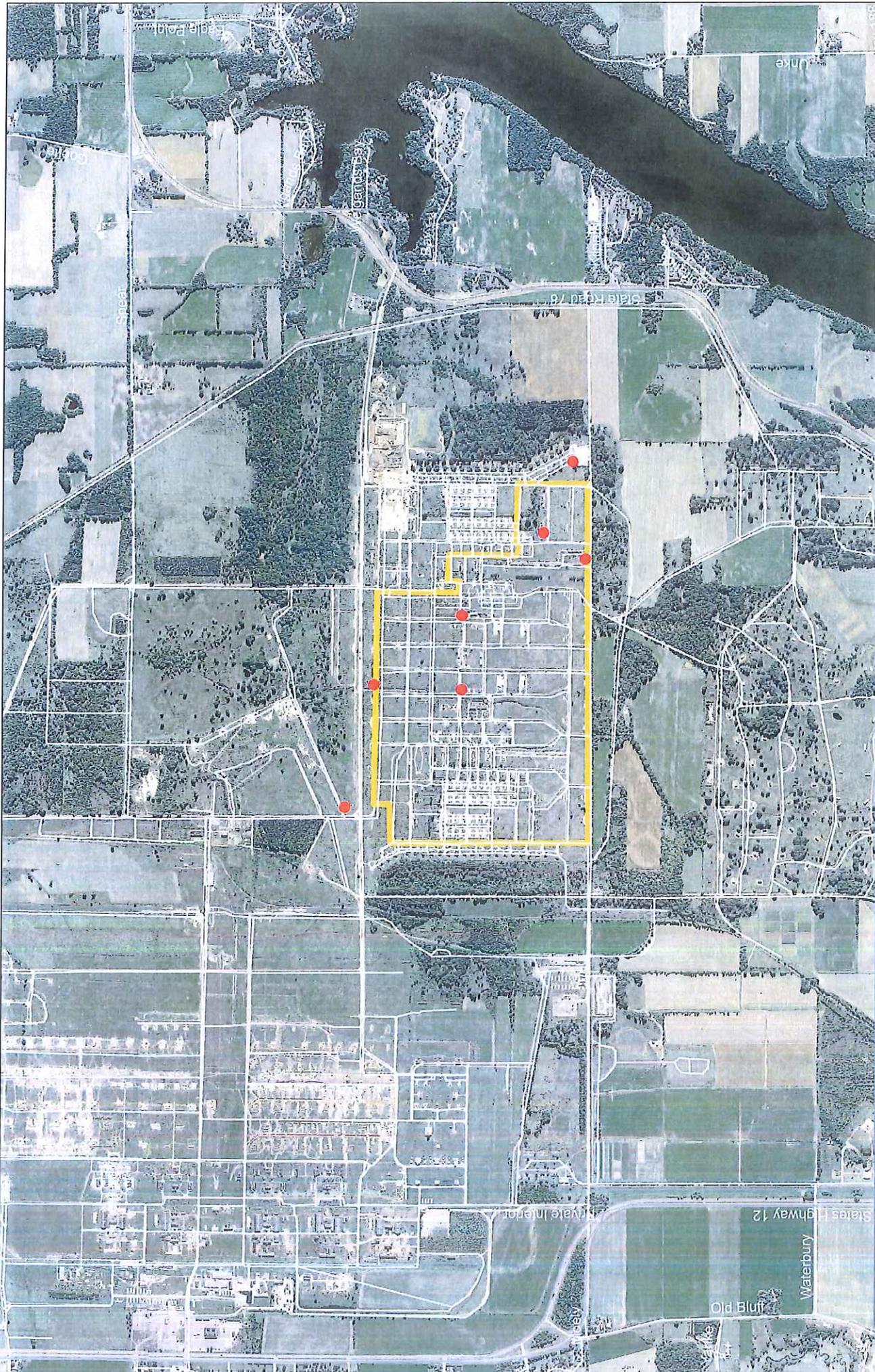
Follow-up Strategy and Year of Treatment

Type of treatment	Year	Comments

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Noted (Sign and Date)			
Property Manager	Date Signed	Burn Coordinator	Date Signed





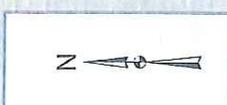
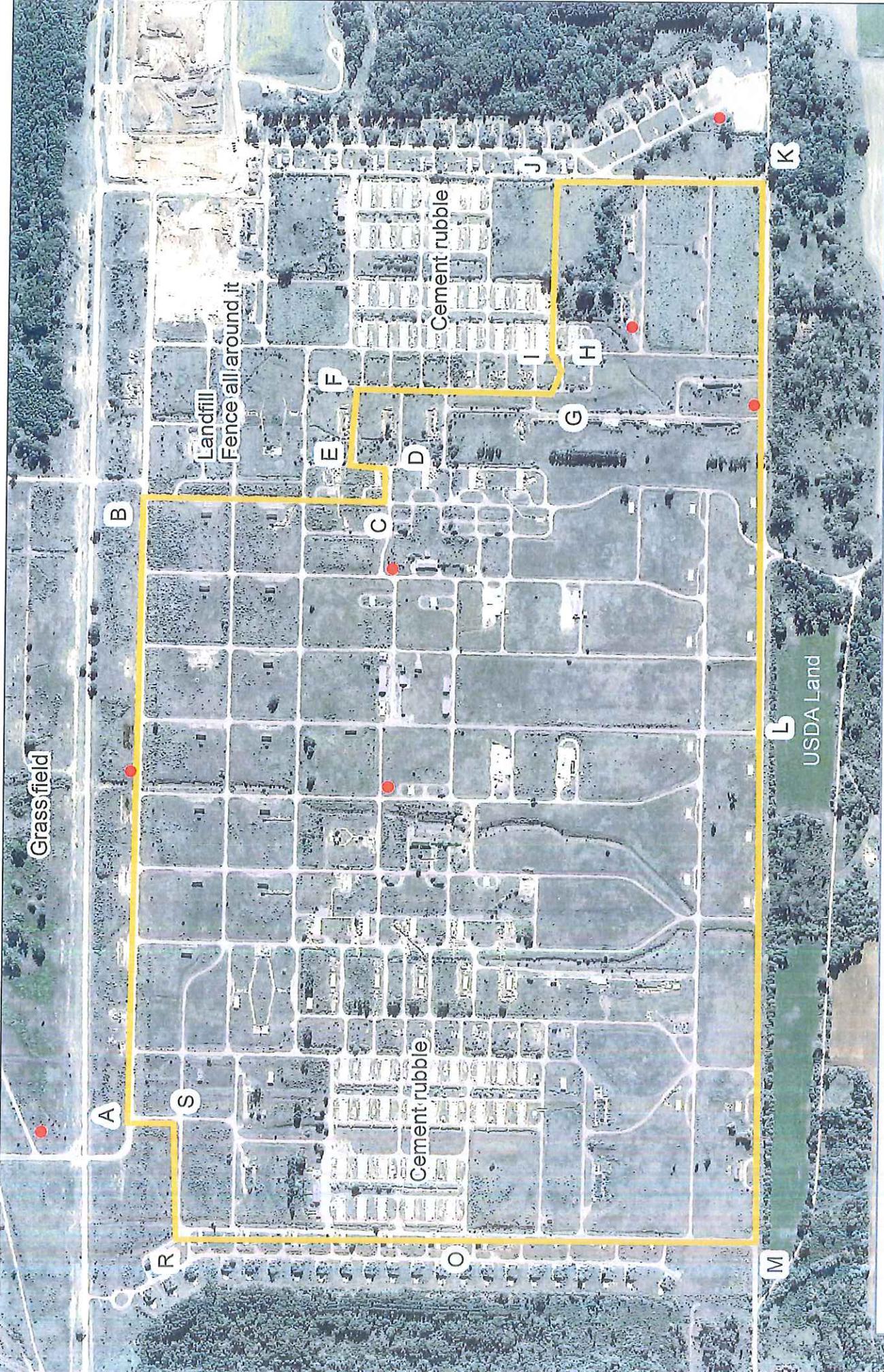
SPRA
Rocket Area Burn Unit
Tracking #:5711 Rocket Area2014
Budget Code:

Legend

- SPRA Wells
- Burn Unit

2,000 1,000 0 2,000 Feet





SPRA
Rocket Area Burn Unit
 Tracking #:5711 Rocket Area2014
 Budget Code:

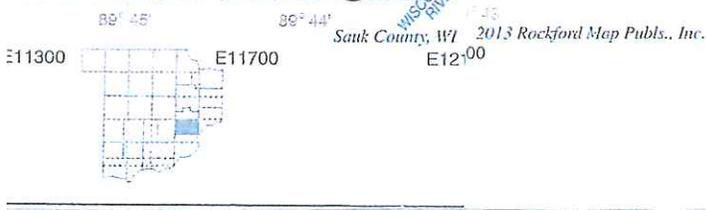
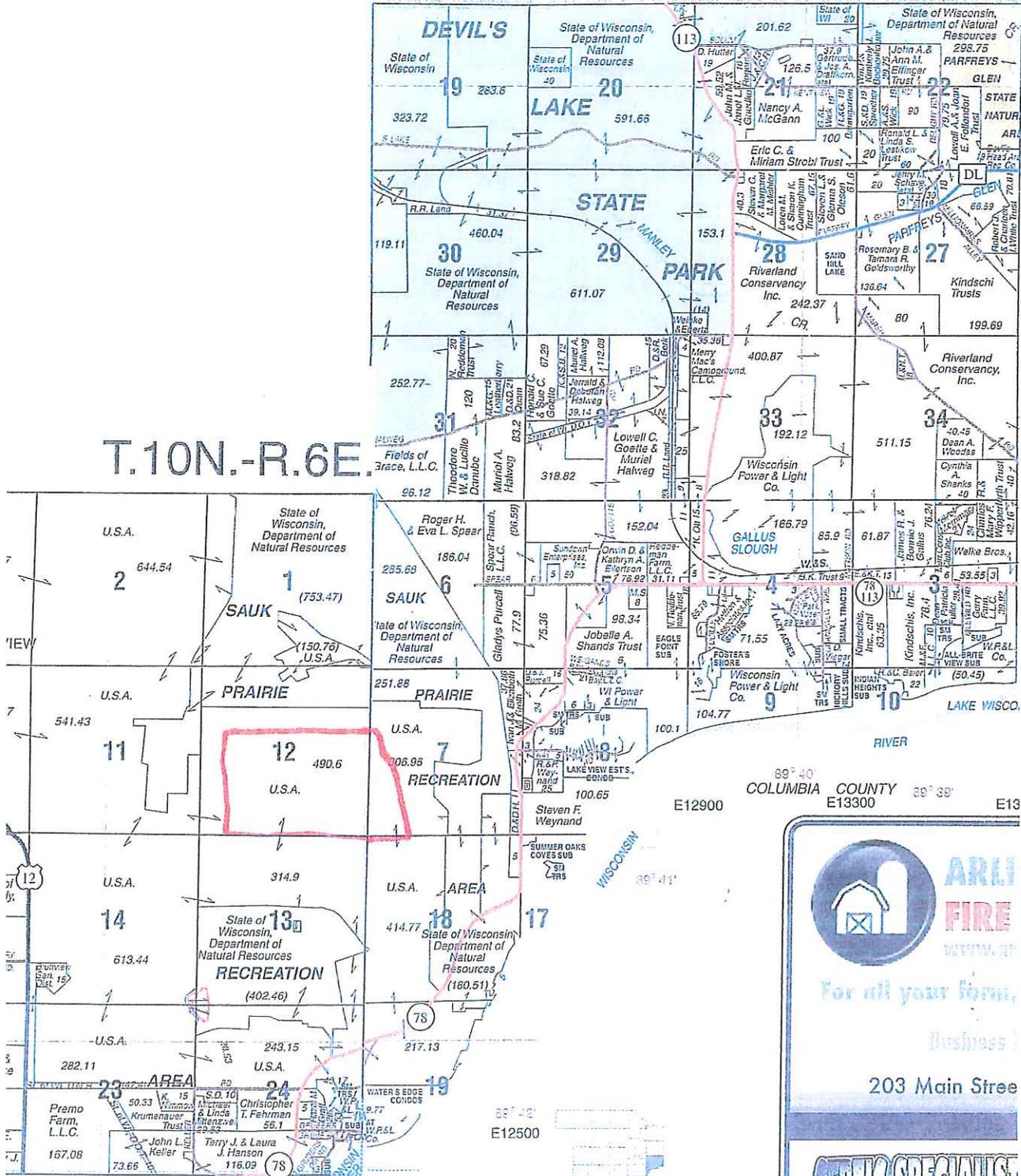
Legend

- SPRA Wells
- Burn Unit

MERRIMAC

SEE PAGE 46

T.10N.-R.6E.





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Fuel Model 5 - Brush (2 Feet)

Flame Length Chart (Ft.)

1-h Moisture %	20-ft Wind Speed (Mi/Hr) (Midflame Wind Speeds)							
	0 (0)	4 (1.6)	8 (3.2)	12 (4.8)	16 (6.4)	20 (8.0)	24 (9.6)	28 (11.2)
1	2.9	6.2	9.2	11.7	14.0	16.1	18.0	19.9
2	2.8	5.9	8.7	11.1	13.3	15.3	17.1	18.9
3	2.7	5.7	8.4	10.7	12.7	14.6	16.4	18.1
4	2.6	5.5	8.0	10.2	12.2	14.0	15.7	17.4
5	2.5	5.3	7.7	9.9	11.8	13.6	15.2	16.8
6	2.4	5.1	7.5	9.6	11.4	13.1	14.7	16.2
7	2.3	5.0	7.3	9.3	11.1	12.8	14.3	15.8
8	2.3	4.8	7.1	9.1	10.9	12.5	14.0	15.4
9	2.2	4.7	7.0	8.9	10.6	12.2	13.7	15.1
10	2.2	4.6	6.8	8.7	10.4	11.9	13.4	14.8
11	2.1	4.5	6.7	8.5	10.2	11.7	13.1	14.5
12	2.1	4.5	6.6	8.4	10.0	11.5	12.9	14.2
13	2.0	4.4	6.4	8.2	9.8	11.2	12.6	13.8
14	2.0	4.2	6.2	7.9	9.4	10.8	12.1	13.4
15	1.8	3.8	5.6	7.2	8.6	9.8	11.0	12.1
16	1.0	2.2	3.2	4.1	4.9	5.7	6.3	7.0
17	0.5	1.0	1.5	2.0	2.3	2.3	2.3	2.3
18	0.4	0.8	1.2	1.5	1.6	1.6	1.6	1.6
19	0.2	0.5	0.8	0.8	0.8	0.8	0.8	0.8
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Assumptions:

1. Free Burning Head Fire (e.g. not being "drawn in")
2. All fuels are cured.
3. 10-hr Fuel Moisture = 8%, 100-hr Fuel Moisture = 10%
4. Level Terrain.

Fuel Model 3 - Long Grass (Greater than 2.5 feet)

Flame Length Chart (Ft.)

1-h Moisture %	20-ft Wind Speed (Mi/Hr) (Midflame Wind Speeds)							
	0 (0)	4 (1.6)	8 (3.2)	12 (4.8)	16 (6.4)	20 (8.0)	24 (9.6)	28 (11.2)
1	4.6	11.5	16.9	21.3	25.2	28.7	32.0	35.1
2	4.1	10.4	15.2	19.2	22.7	25.8	28.8	31.6
3	3.8	9.4	13.8	17.4	20.6	23.5	26.1	28.7
4	3.4	8.6	12.6	15.9	18.9	21.5	24.0	26.3
5	3.2	8.0	11.7	14.8	17.5	19.9	22.2	24.3
6	3.0	7.5	11.0	13.8	16.4	18.7	20.8	22.8
7	2.8	7.1	10.4	13.1	15.5	17.7	19.7	21.6
8	2.7	6.8	9.9	12.5	14.8	16.9	18.8	20.6
9	2.6	6.5	9.6	12.1	14.3	16.3	18.1	19.9
10	2.5	6.4	9.3	11.7	13.9	15.8	17.6	19.3
11	2.5	6.2	9.1	11.4	13.5	15.4	17.2	18.8
12	2.4	6.1	8.9	11.2	13.2	15.1	16.8	18.4
13	2.4	5.9	8.7	10.9	12.9	14.8	16.5	18.0
14	2.3	5.8	8.5	10.7	12.7	14.4	16.1	17.6
15	2.2	5.6	8.2	10.4	12.3	14.0	15.6	17.1
16	2.2	5.4	8.0	10.1	11.9	13.6	15.1	16.6
17	2.1	5.2	7.6	9.6	11.4	13.0	14.5	15.8
18	2.0	4.9	7.2	9.1	10.7	12.2	13.6	14.9
19	1.8	4.6	6.7	8.4	9.9	11.3	12.6	13.8
20	1.6	4.1	6.0	7.6	9.0	10.2	11.4	12.5
21	1.4	3.6	5.2	6.6	7.8	8.9	9.9	10.8
22	1.2	2.9	4.3	5.4	6.4	7.3	8.1	8.9
23	0.9	2.1	3.1	3.9	4.7	5.3	5.6	5.6
24	0.5	1.2	1.8	2.2	2.2	2.2	2.2	2.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Assumptions:

1. Free Burning Head Fire (e.g. not being "drawn in")
2. All fuels are cured.
3. Level Terrain.

Fuel Model 1 - Short Grass (Less than 2.5 feet)

Flame Length Chart (Ft.)

1-h Moisture %	20-ft Wind Speed (Mi/Hr) (Midflame Wind Speeds)							
	0 (0)	4 (1.6)	8 (3.2)	12 (4.8)	16 (6.4)	20 (8.0)	24 (9.6)	28 (11.2)
1	1.8	2.7	4.5	6.5	8.4	10.3	12.2	14.1
2	1.5	2.3	3.8	5.4	7.1	8.7	10.3	11.9
3	1.3	2.0	3.4	4.8	6.2	7.7	9.1	10.0
4	1.2	1.9	3.1	4.4	5.7	7.0	8.4	8.6
5	1.1	1.8	2.9	4.2	5.4	6.7	7.9	7.9
6	1.1	1.7	2.8	4.0	5.3	6.5	7.5	7.5
7	1.1	1.7	2.7	3.9	5.1	6.2	7.0	7.0
8	1.0	1.5	2.6	3.6	4.7	5.8	6.3	6.3
9	0.9	1.4	2.3	3.2	4.2	5.0	5.0	5.0
10	0.7	1.1	1.8	2.6	3.2	3.2	3.2	3.2
11	0.4	0.7	1.1	1.2	1.2	1.2	1.2	1.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Assumptions:

1. Free Burning Head Fire (e.g. not being "drawn in")
2. All fuels are cured.
3. Level Terrain.