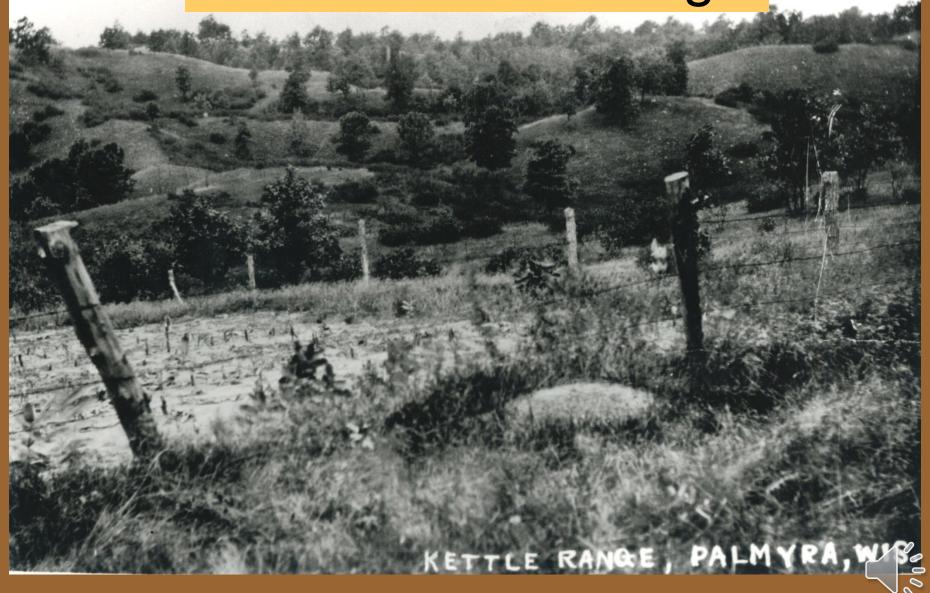
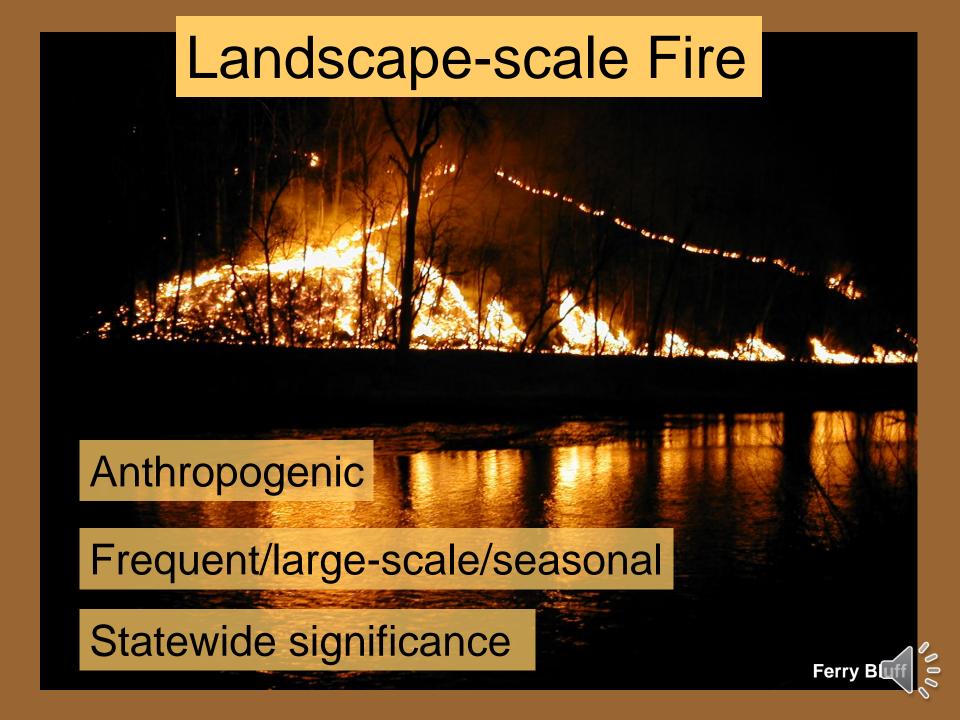


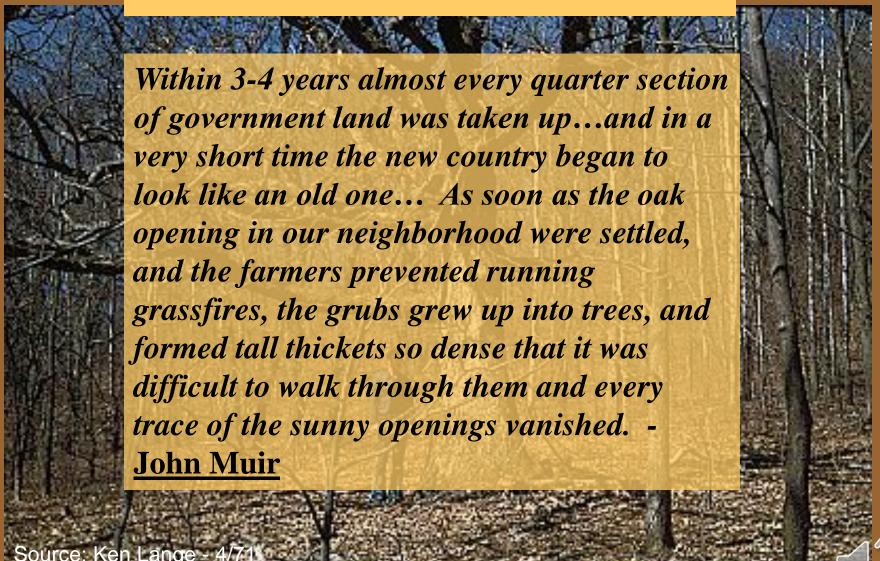
Our Natural Heritage



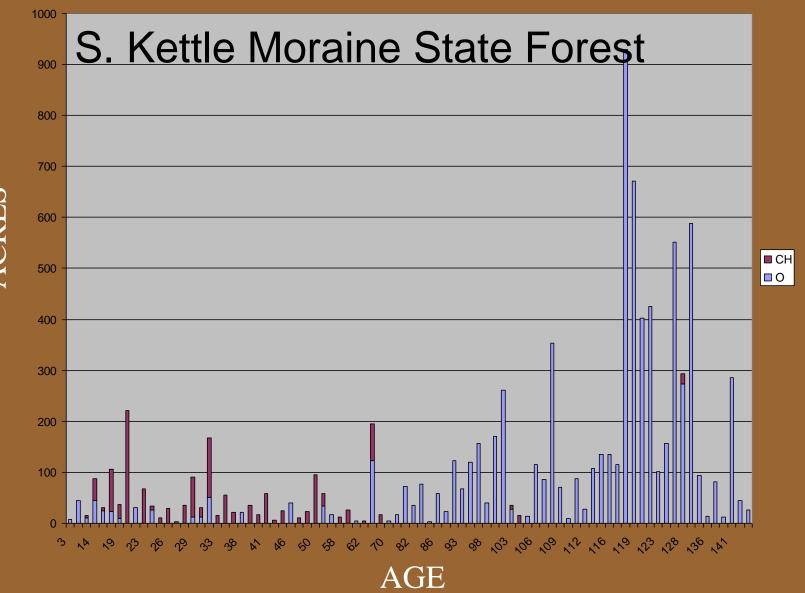




Phase 1: Oak Release



Phase 2: Conversion

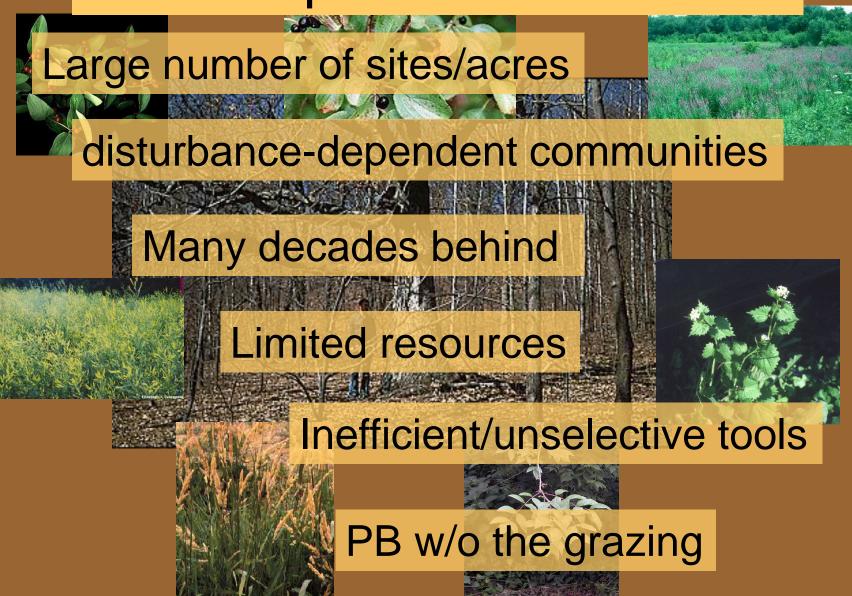




Phase 2: Conversion



Landscape-scale Invasives





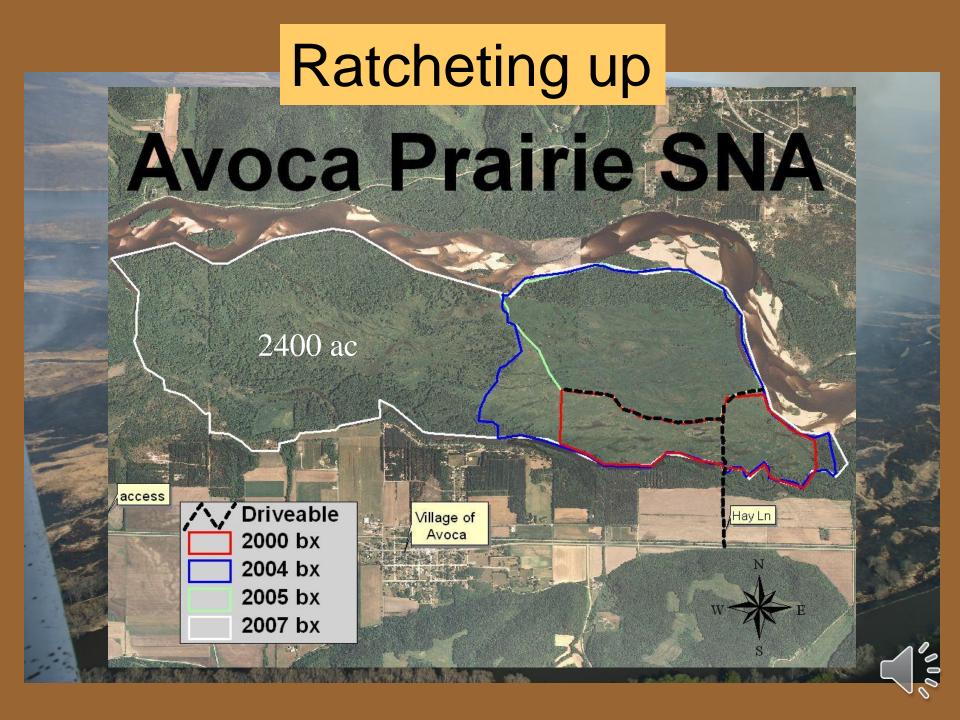
Ticking clock

Not burning nearly enough acres

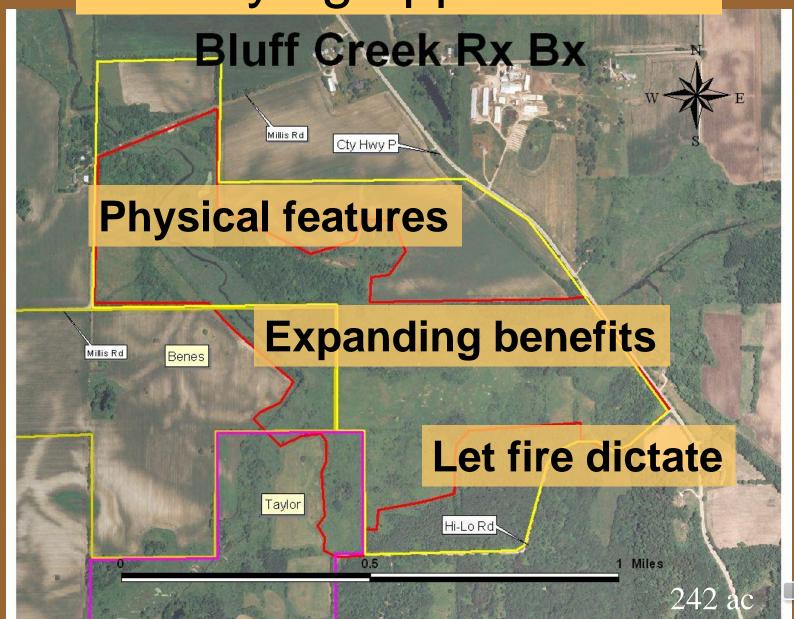
Not likely to get any more burn days

Not likely to get any more resources

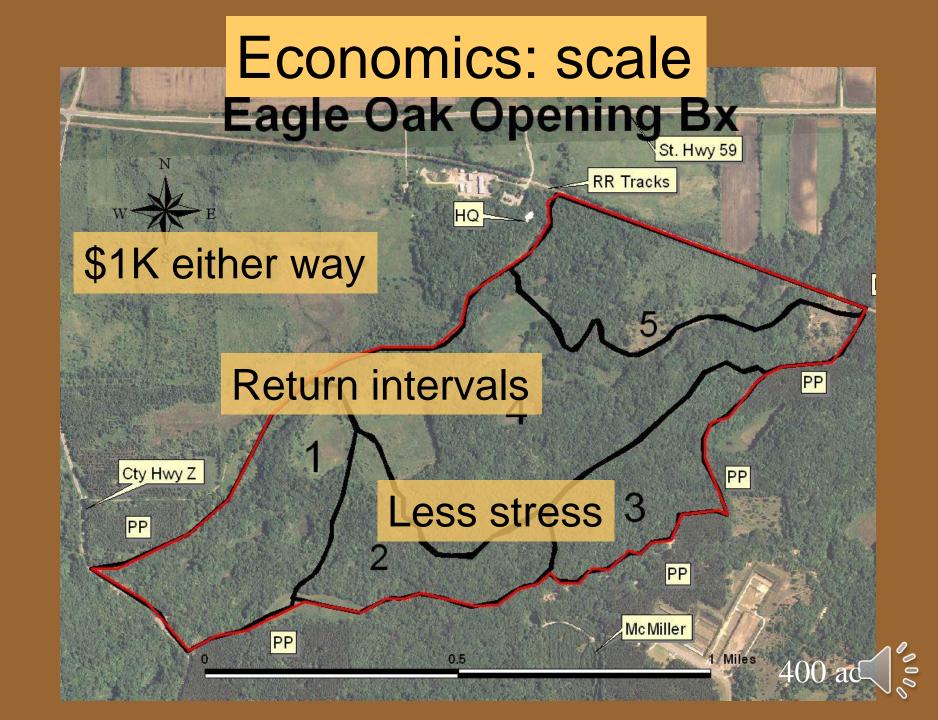




Identifying opportunities

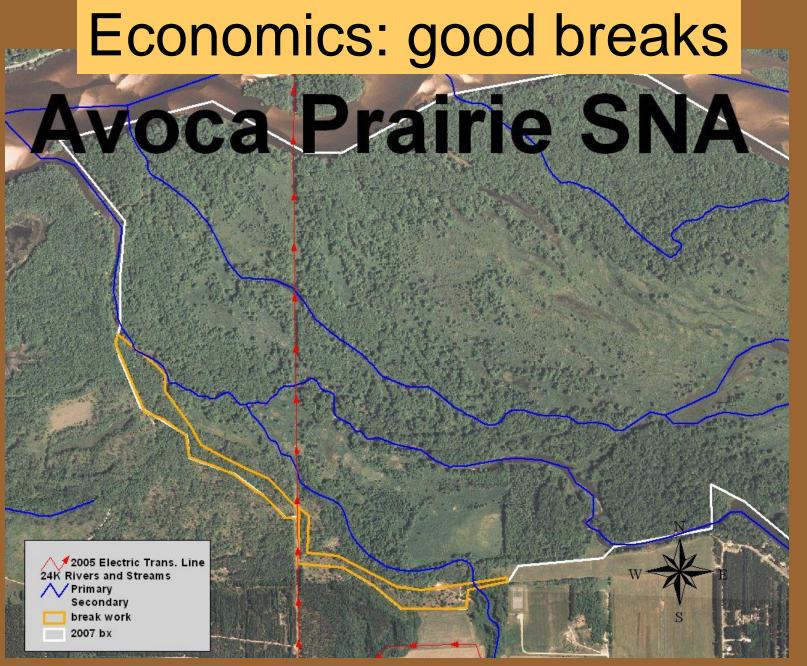














Cooperative burns

V Bottom E Behamian 28 Ridge Need additional help State

Bowers Rd

dotted = atv

Incorporating neighbors property

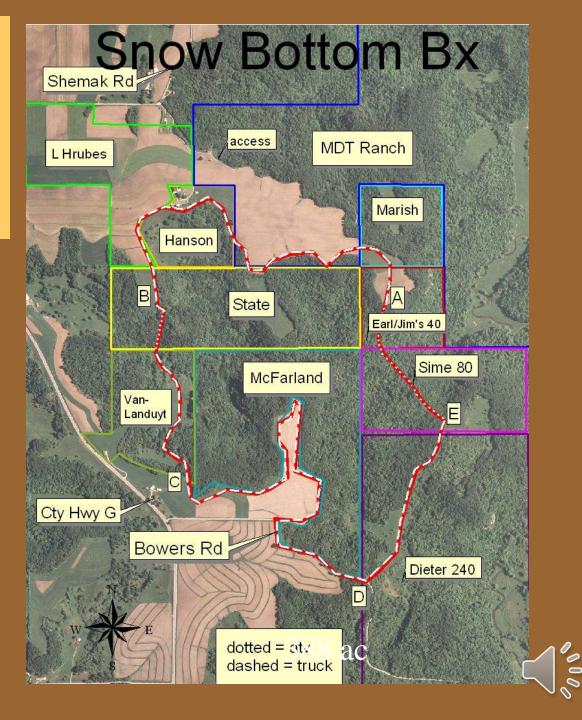
Cty Hwy G



Cooperative burns: the upside

Productive

MFL



Cooperative Burns: the downside





Smoke production/Air quality

Larger burns = more smoke



Ozone action days

Sensitive receptors

Good conditions

Ignition patterns

Roads

Get it lit



Planning

Avoca Prairie - Spring 08 Prescribed burn needs

LIN	1	ora un frant w	ork	<u>notes</u>
	IL	ore up front wo		proceed to light 2A; need compass; extra clothes
		<u> </u>	,	proceed to 3A once 2A and 1C are clear
1C	2	2 drip torches; fusees		join 4A; extra clothes
1D	2	3 drip torches; fusees	Wallace, Werner	proceed to S end of 2D by boat to anchor line between rivers channels
2A	0			same as 1A crew; end up joing 4A
2B	2	2 drip to	, Roth	proceed E until meet w/2C; then proceed to 4B via boat
2C	1	2 drip to Fire Contr		light E to W (begin at hay Ln); then proceed to 4B via boat
2D	2	2 drip tol 2 drip tol 3 drip tol		4 total: 2 lighting, 2 from 1D tying in SE corner
3A	0			same as 1B crew; end up joining 4A; extra clothes
3B	0	3 drip torches; fusees		2 people from 2D crew
4A	1	Bosco pumper; Tower pumper, ATV	Flansburgh	1 atv/pumper, 1 hose, 1 lighter on line, 1 to light interior; rest monitor line/mop-up
4B	1	1 torch plus refill; 2 WM pumpers and atv/s	Cornell	1 light: 1 truck, 1 atv/pumper; 1 hose (1 atv, 1 pumper on W side of creek)
Bx boss	1	radios		d near power lines
N side	2	Lone Rock FD Pumper un	nnsse	d near power lines d on N side of river; location to be determined; hand crew as backup? 1 for Avoca Lk (cabin patrol); see Zine for details
boats	2	boats, torch fuel?		, 1 for Avoca Lk (cabin patrol); see Zine for details
TOTAL	20			

Possibly staffing:

<u>#</u>	<u>program</u>
8	SNA
3	WM - Tower Hill (Ziegler, Cornell, Roth)
2	WM - Boscobel (fletch, golds)
1	FC - Brad Hutnik
1	boats - Brad Simms, Bill Ishmael
3	Dave Lowe, Greg Kidd, Dan Wallace
2	Degen, Anderson
2	Lone Rock FD - positioned on N side of river
22	TOTAL



possible back up crew: DNR hand crew (7); Richland Co Foresters (

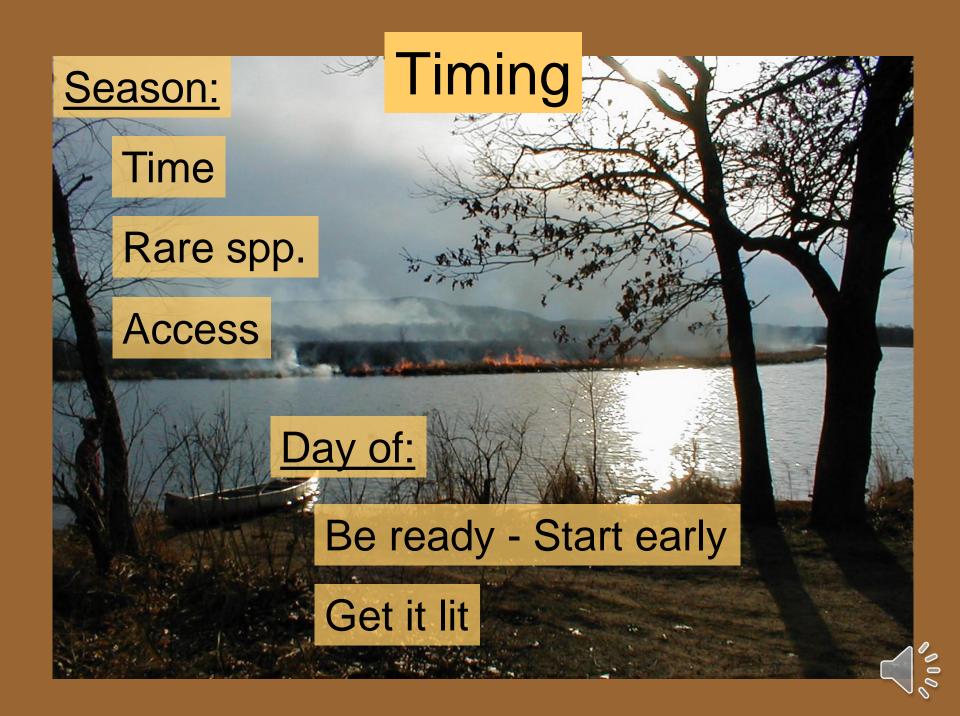


Major Escape Contingency

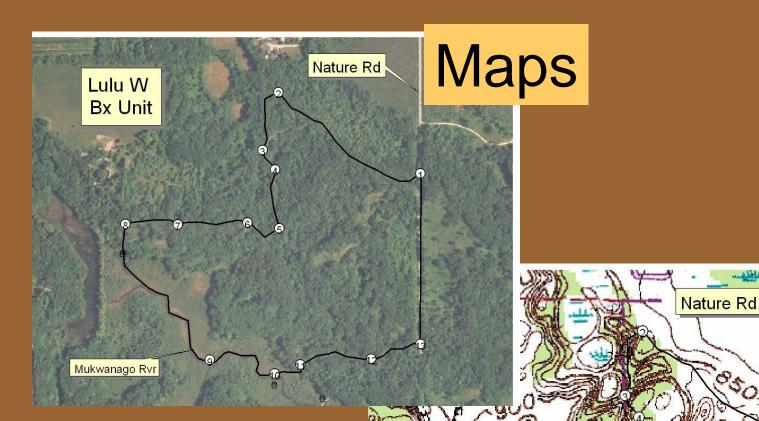












Mukwanago Rvr

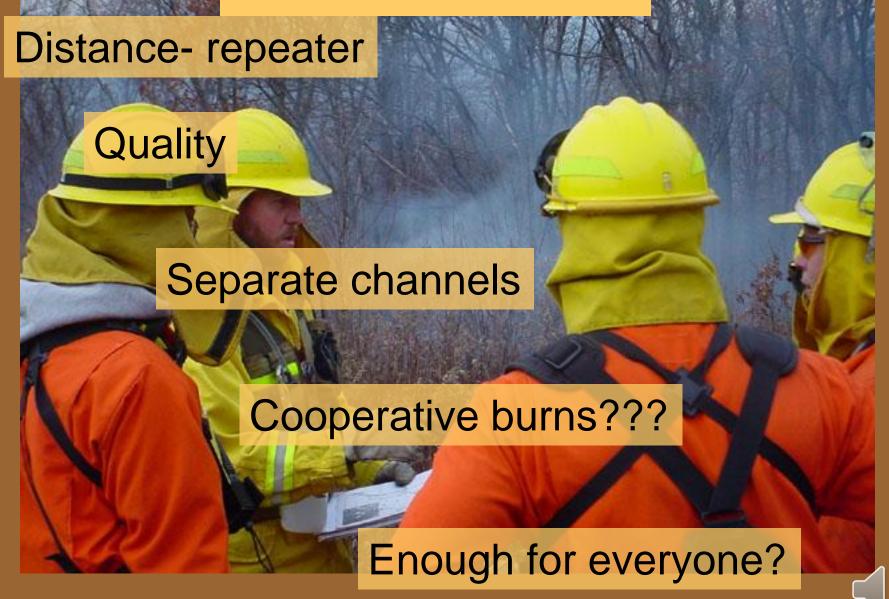
Aerial and topo

Line Markers

Hazards



Communication





Monitoring Line



Smoke impairment



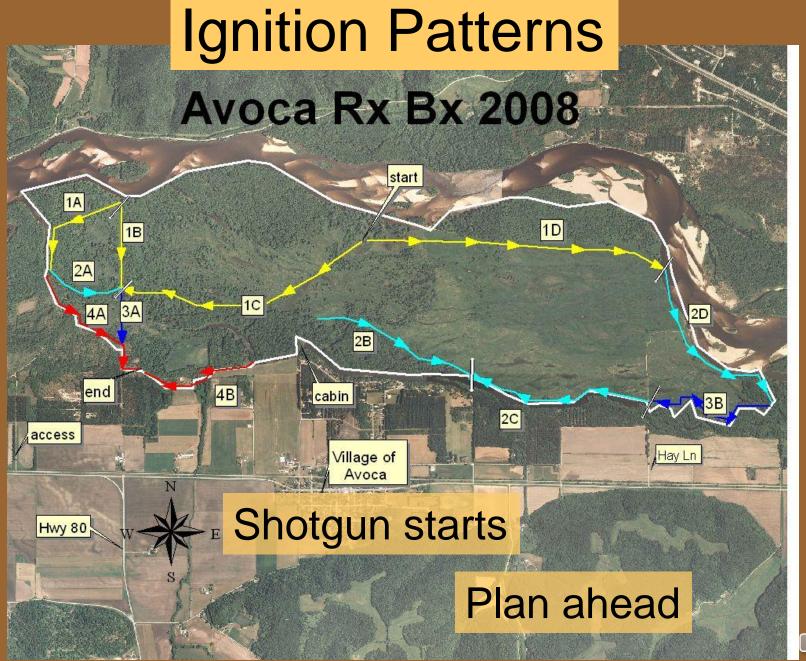
Topography



Monitoring Line

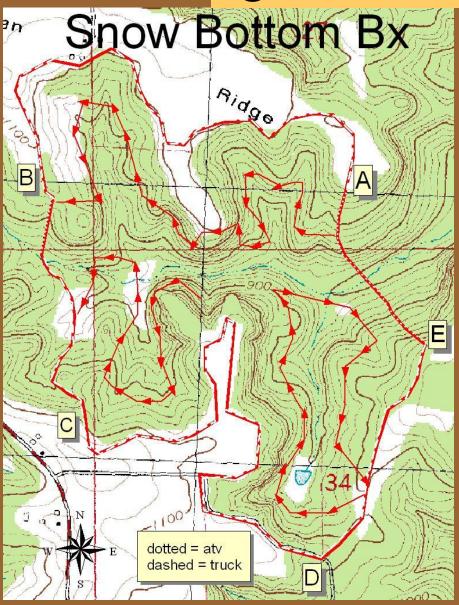








Ignition Patterns



Spot

Strip

Backfiring

Internal Ignition
Safety (LCES)



Post-burn monitoring



Know expectations

Mop-up



Listed Species and Rx Bx







Incidental Take Protocol

Protocol for Incidental Take Authorization Regal Fritillary (Speyeria idalia)

II. Management Protocol For Authorized Incidental Take

If the management activity is for the purpose of recovering, maintaining or improving the grassland, prairie or savanna ecosystem that includes habitat for regal fritillaries, then incidental take is allowed under the following conditions:

A. Burning

Only burning that occurs between September 15 and June 15 is allowed.

1. With violet surveys prior to management and every subsequent five years so that the location of violet patches can be in (Note: surveys following unit burns within the 5-year period can be used to undate overall burn-unit planning.)

AND

i.e., it's complicated

a. Monitoring of butterflies 1 is occurring each year,

AND

- i) All violets are managed with fire, then an area may be burned annually that includes up to 20% of the entire violet population on the site, but, based on the previous year's butterfly counts, no more than 20% of the adult activity area (see definitions).
- ii) If 25% or more of the entire violet population on the site is managed with other than fire, and that same area is not burned for at least 5 years, then an area may be burned annually that includes up to 30% of the remaining violets, but, based on the previous year's butterfly counts, no more than 20% of the adult activity area.
- b. If no monitoring of butterflies is occurring each year,

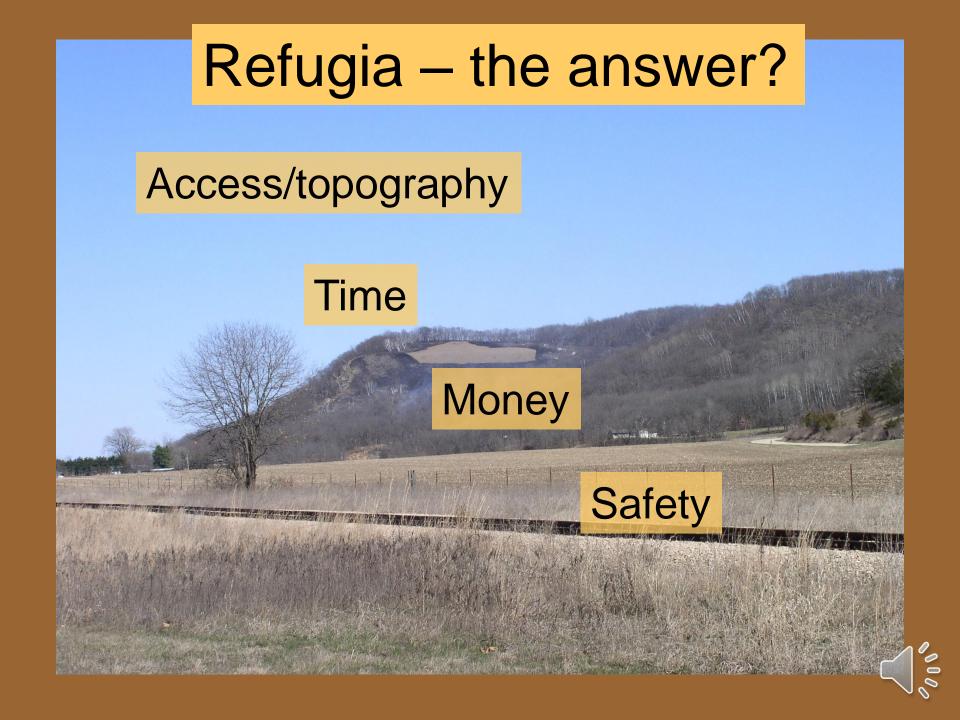
AND

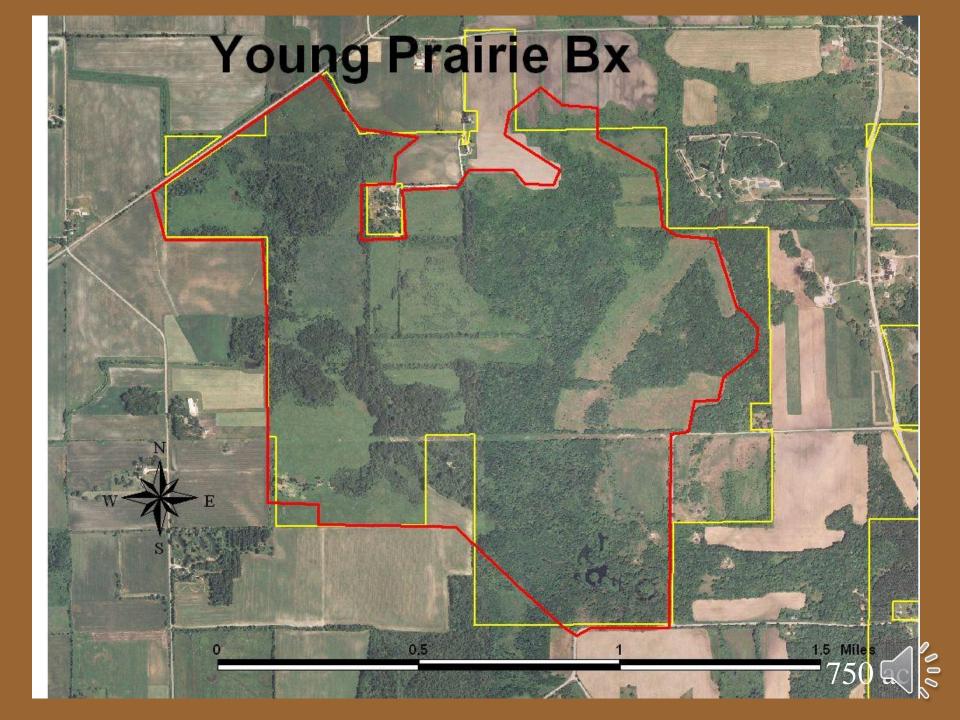
- i) All violets are managed with fire, then up to 10% of the entire violet population on the site may be burned annually at a 5-7 year return interval. ii) If 25% or more of the entire violet population on the site is managed with other than fire, and that same area is not burned for at least 5 years, then 25% of the remaining violets may be burned annually at a 5-7 year return interval.
- 2. With no violet surveys prior to management and at least every subsequent 5 years, then 5% of the violet population may be burned annually.

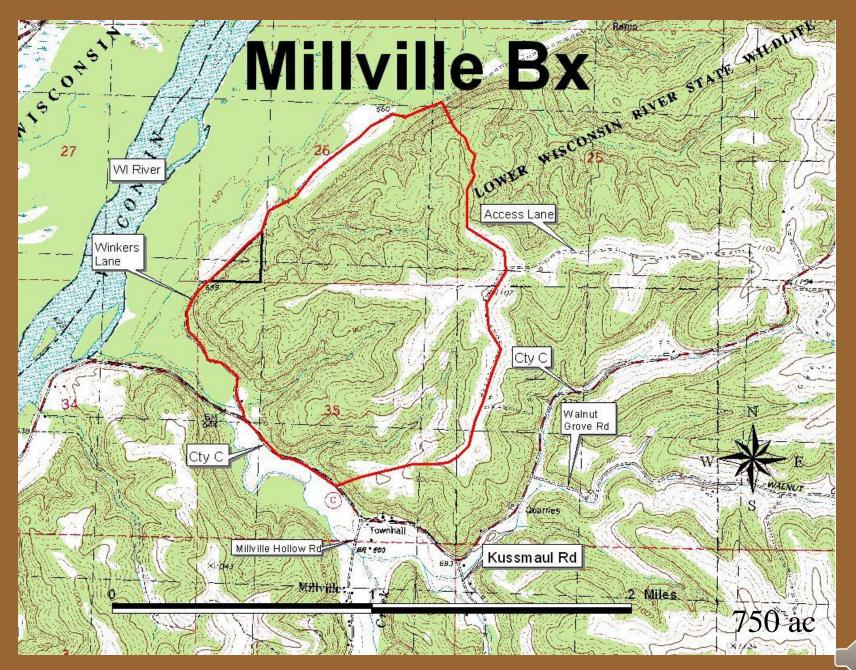












Avoca Prairie – E end



Avoca Prairie – E end



