

FCW Stand 1.16 Prescribed Fire 2016



Background of Stand 1.16...

- 2005 FSP Prescription:
 - regeneration harvest, preceded/followed by a low/medium intensity burn, in order to prepare a good mineral soil seed bed conducive to mixed oak and pitch pine regeneration.
- Stand 1.16 was originally proposed to be burned in 2006/2007, and at this time firelines were prepared via dozer on the east and south edges.
- The City of Frederick at this time was not willing to accept the standard DNR burn agreement.

Several years go by...

- Staffing Changes within the City's DPW team brought a different sentiment to management practices on the FCW
- THE most important addition to the City was the hiring of Jenny Willoughby in April 2014
- Jenny Willoughby is the City Sustainability Manager, in addition to her normal job duties, she acts as the liaison between DNR FS and the City's politicians and decision makers.
- With her education and background in forestry, she has been invaluable in managing our shared goals for the FCW.

A question was posed...

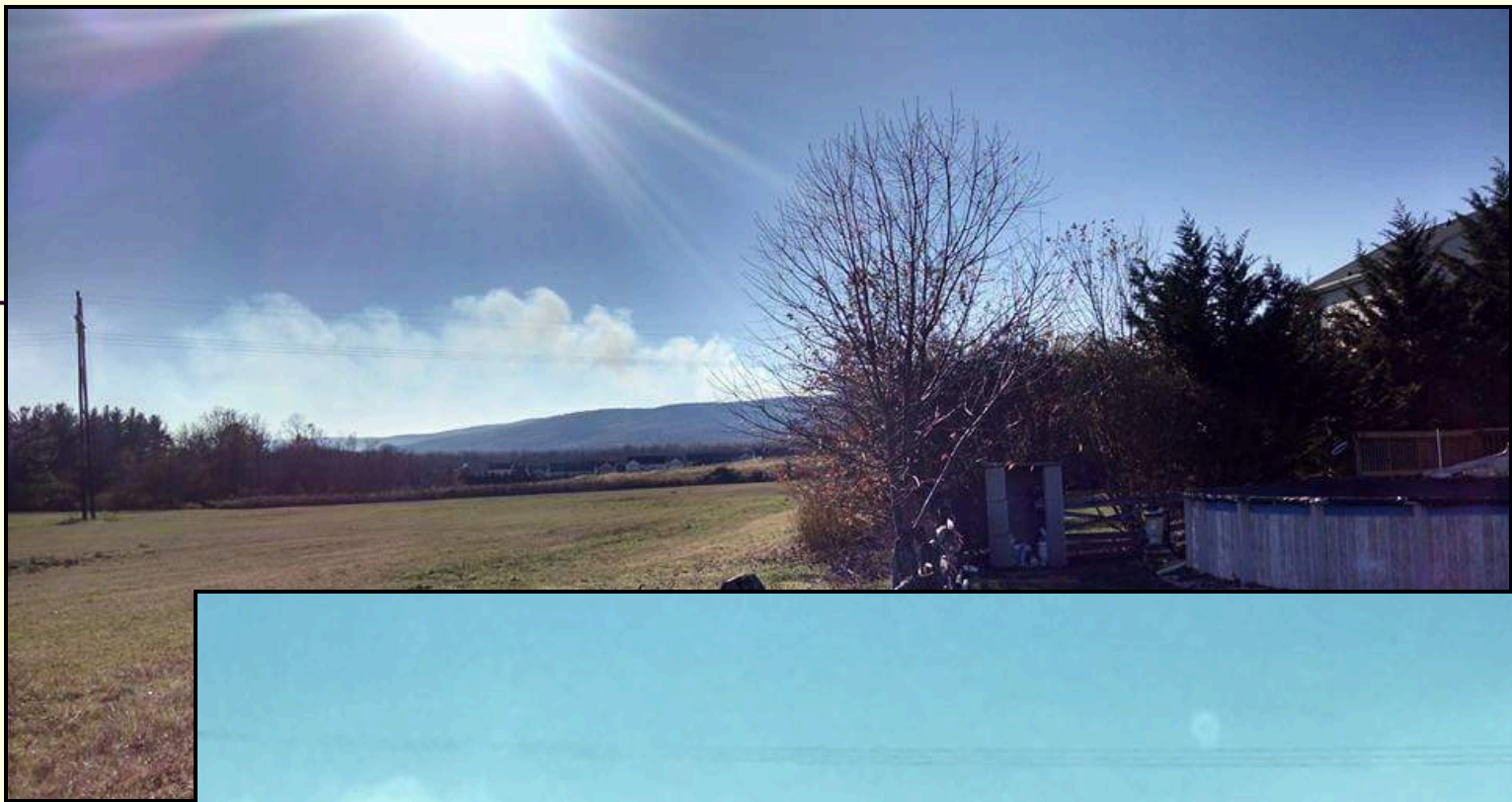
- “Can we use prescribed fires to meet our objectives? Here is the risks and rewards and how the FCW will benefit from the use of RX fire to manage the landscape”
- The proposal slowly moved upward thru the risk assessment team, the City’s attorney, then finally the Mayor and Board.
- The result.....a very cautious YES!

Objectives...

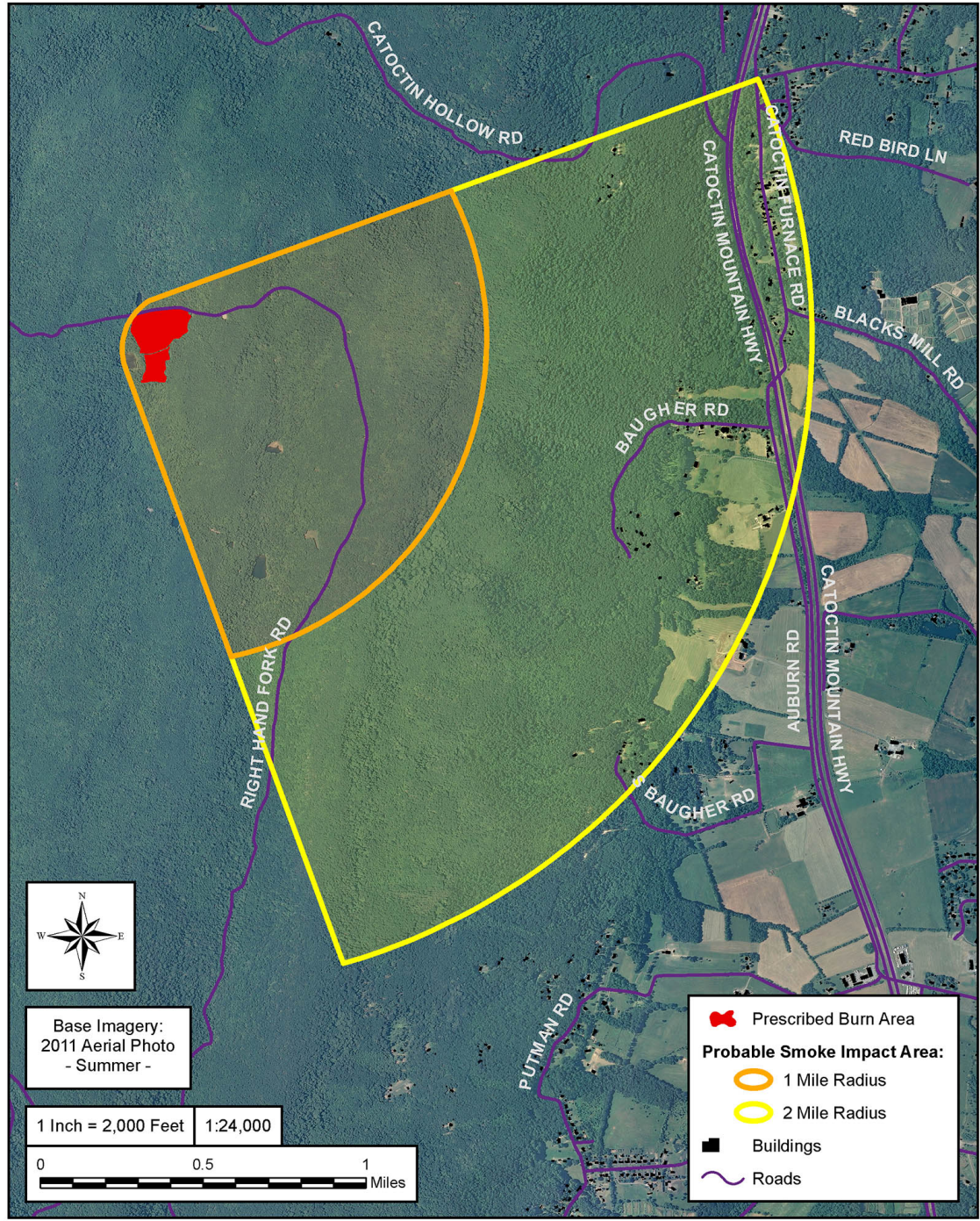
- Resource Objective:
 - To balance the age distribution and promote the regeneration of pitch pine and mixed oaks.
- Burn Objectives:
 - Remove $\geq 75\%$ of the duff, exposing bare mineral soil
 - Kill $\geq 50\%$ of the Red Maple, Black Gum, and Black Birch saplings under 3" DBH.
 - Reduce the density of the shrub layer by $\geq 50\%$

Challenges

- Landowner Permission
- Smoke Management?



FCW Stand 1.16 Prescribed Burn Probable Smoke Impact Map



Challenges

- Landowner Permission
- Smoke Management?
- Fireline Placement





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- Landowner Permission
- Smoke Management?
- Fireline Placement
- Adequate Personnel?



Challenges

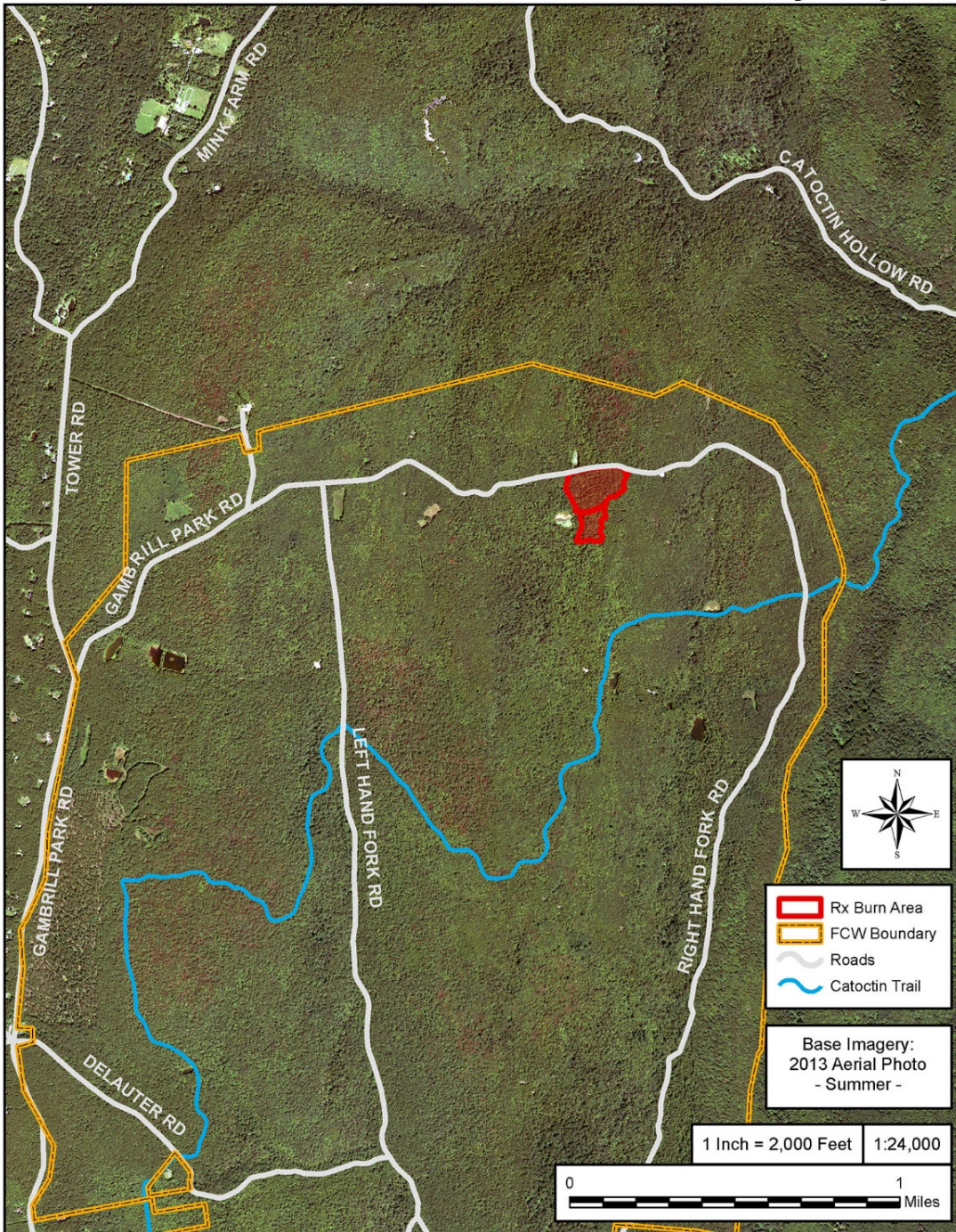
- Landowner Permission
- Smoke Management?
- Fireline Placement?
- Adequate Personnel?
- Containment?



Challenges

- Landowner Permission
- Smoke Management?
- Fireline Placement?
- Adequate Personnel?
- Containment?
- Community Resistance?
- Adjacent Landowners?

FCW Stand 1.16 Prescribed Burn Vicinity Map



Challenges

- Landowner Permission
- Smoke Management?
- Fireline Placement?
- Adequate Personnel?
- Containment?
- Community Resistance?
- Adjacent Landowners?
- Health Department
- Weather?
- Good Samaritans