BLACK SPRUCE FUEL AMENDMENT FUEL TREATMENT

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FPInnovations

Challenges

What are the problems faced by wildfire agencies, communities and industry?

Actions

Results

Impacts

COST EFFECTIVE FUEL MANAGEMENT TREATMENTS AND MAINTENANCE

- Large expanses of black spruce fuels pose a major wildfire threat
- At the landscape scale, typical WUI treatment techniques are not cost-effective; aesthetics are less important
- Prescribed fire is the most effective way to remove black spruce fuels.
- Greatest chance of treatment success is at high to extreme fire hazard; potential for escape is also high

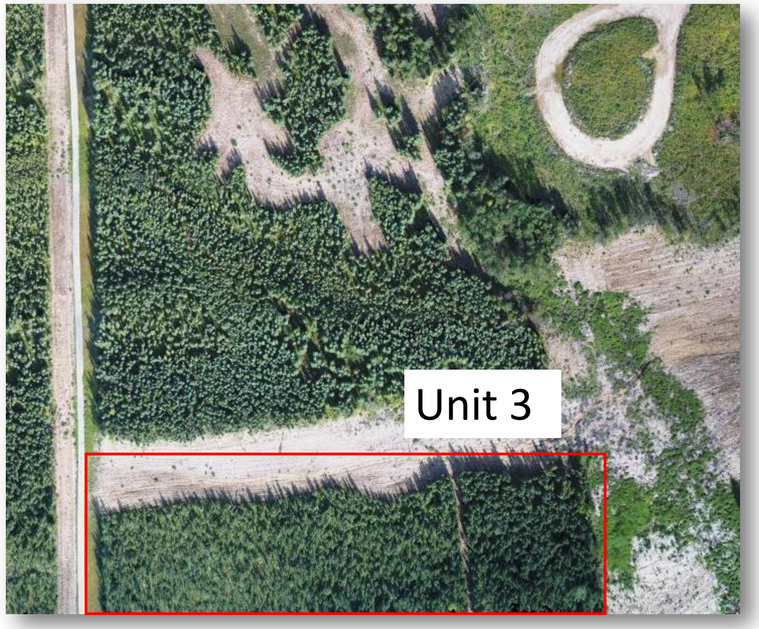
Challenges

Actions

What is FPInnovations doing to address the challenges?

Results

Impacts



- Unit 3 at Pelican Mountain has been dedicated as a trial site
- Principles from Evan-Thomas project will be applied
- Amendment strips will be bladed in winter 2018/19; burning in fall

- Results of prescribed fire in unit 3 will be reviewed
- Measure of success is crown mortality; prescription adjusted based on crown mortality

- CBCFS black spruce fuel amendment has been developed
- Manual treatment may be better suited to WUI

IMPACTS OF BLACK SPRUCE FUEL AMENDMENT

Challenges

Actions

Results

Impacts

What are the impacts of this research?

- Opportunity to burn larger areas at a lower hazard level.
- Capacity to treat large areas of hazardous fuels with minimal resources
  - Shearblading with dozers
  - Aerial ignition