

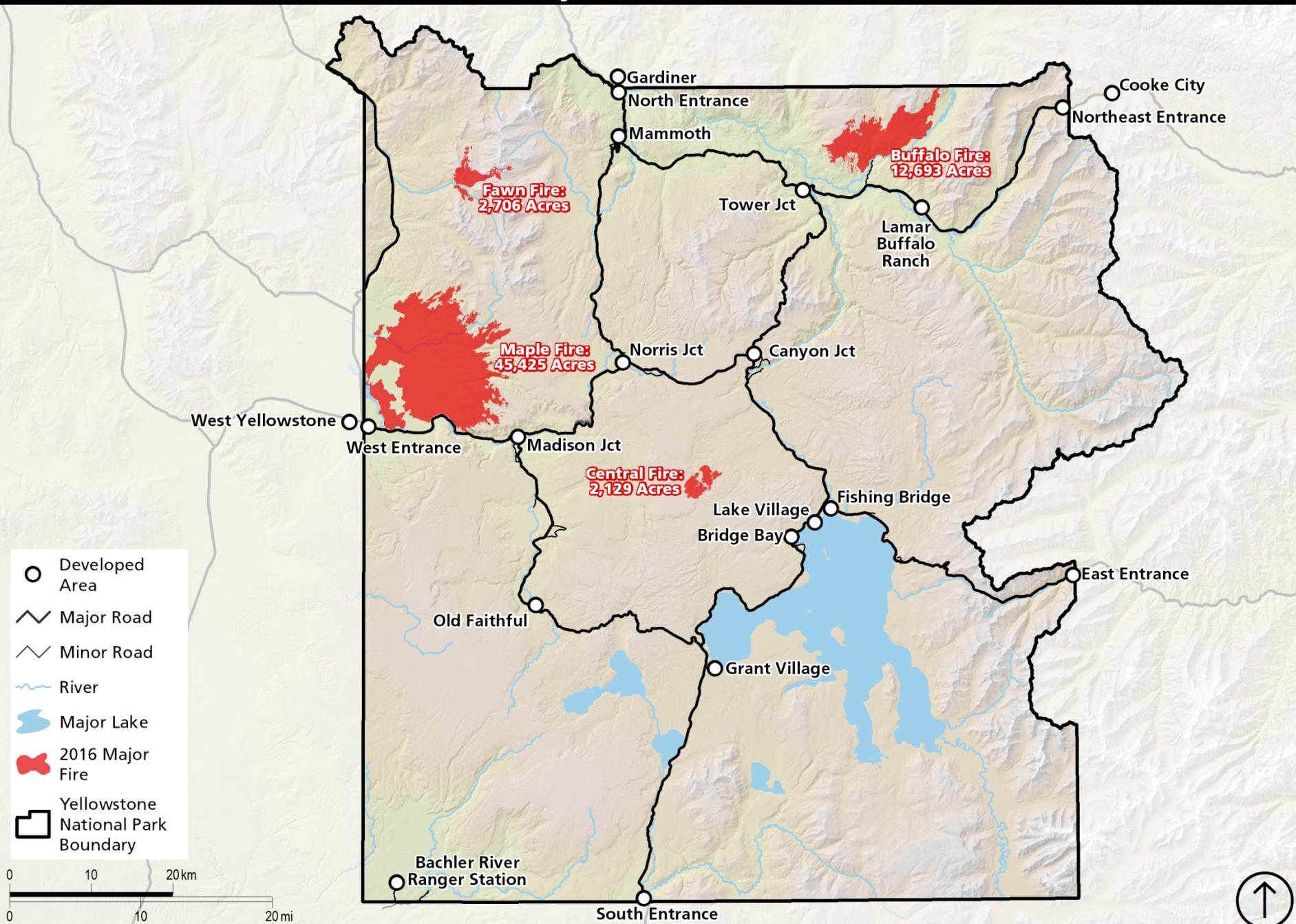




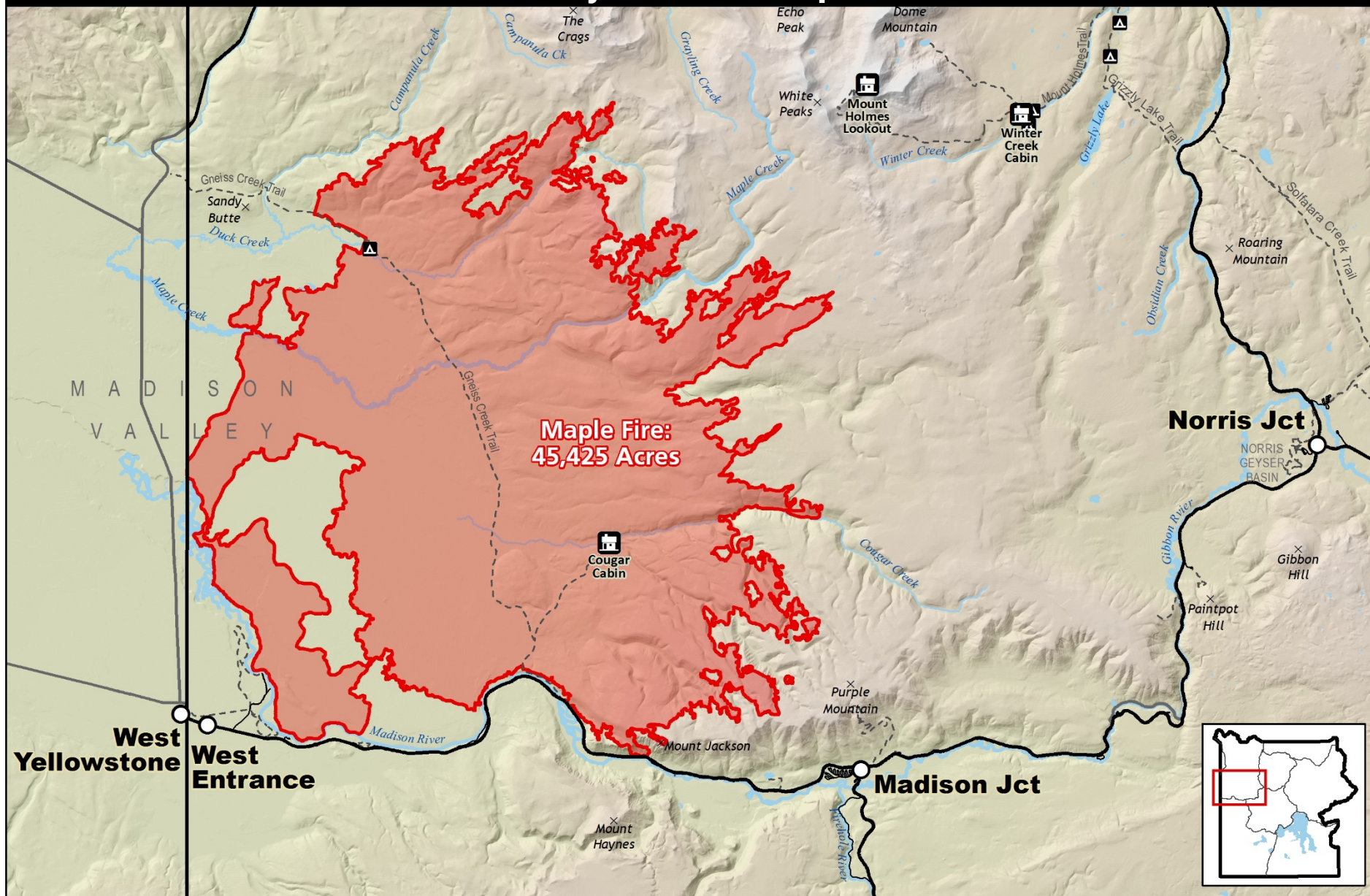
2016 Yellowstone Fires



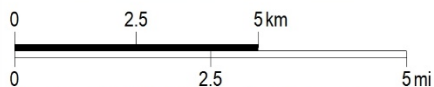
2016 Major Fires: Overview



2016 Major Fires: Maple Fire



Maple Fire:
45,425 Acres



○ Developed Area

🏠 Backcountry Cabin

~ Major Road

~ River

🔴 2016 Major Fire

▲ Backcountry Campsite

~ Trails

~ Minor Road

🌊 Lake

🗺️ Yellowstone National Park Boundary







Planning for Success

A horizontal flowchart consisting of four red rounded rectangular boxes with white borders, each containing text. The boxes are arranged from left to right, connected by a dark red arrow pointing to the right. The background is a solid orange color.

Guidance for
Implementation
of Federal
Wildland Fire
Management
Policy

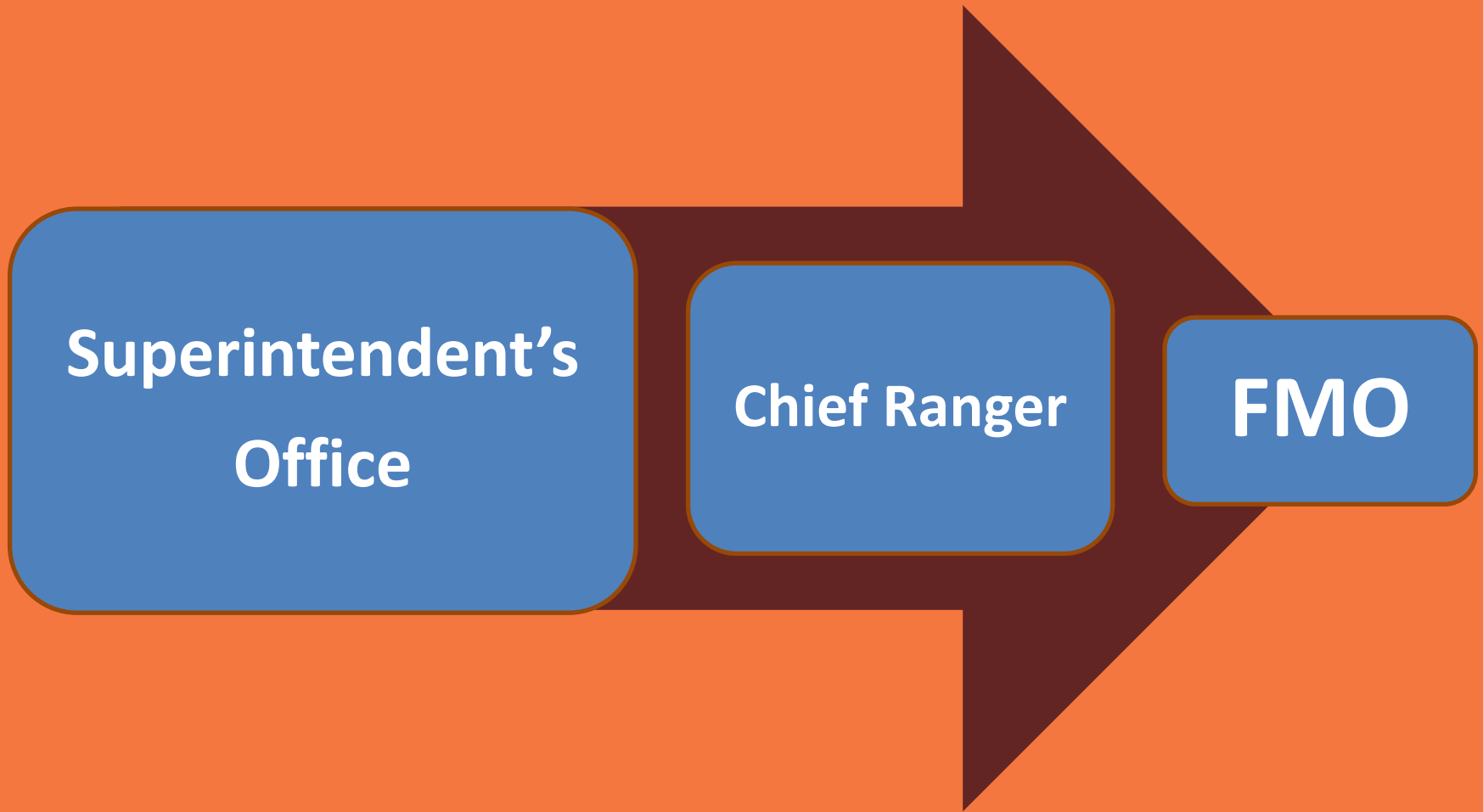
National
Cohesive
Strategy

NPS
Wildland
Fire
Strategic
Plan

Yellowstone
National Park
FMP & EA

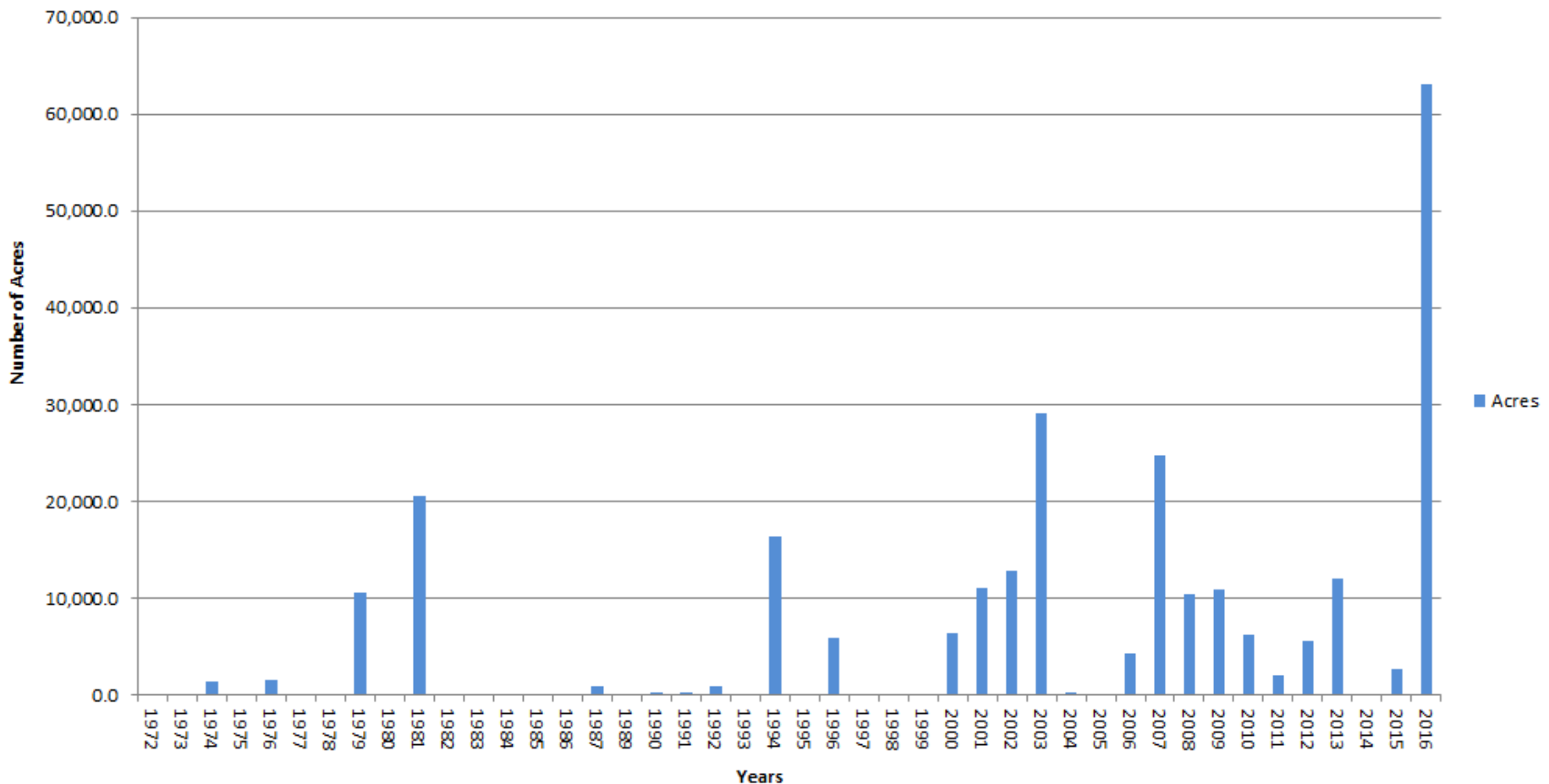


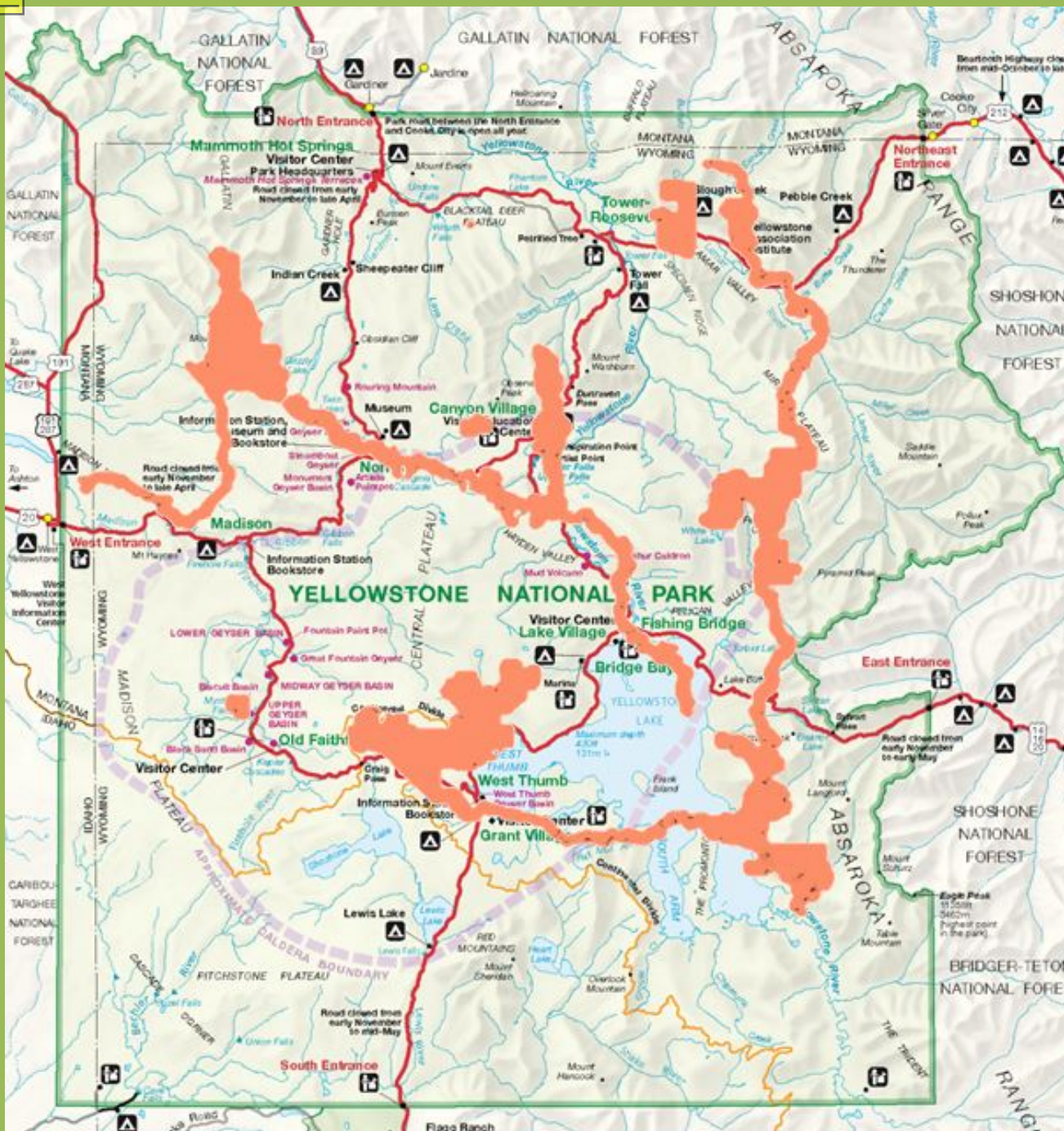
Organizational Alignment



Success begets Success

Acres per Year, Excluding 1988 (794K in '88)

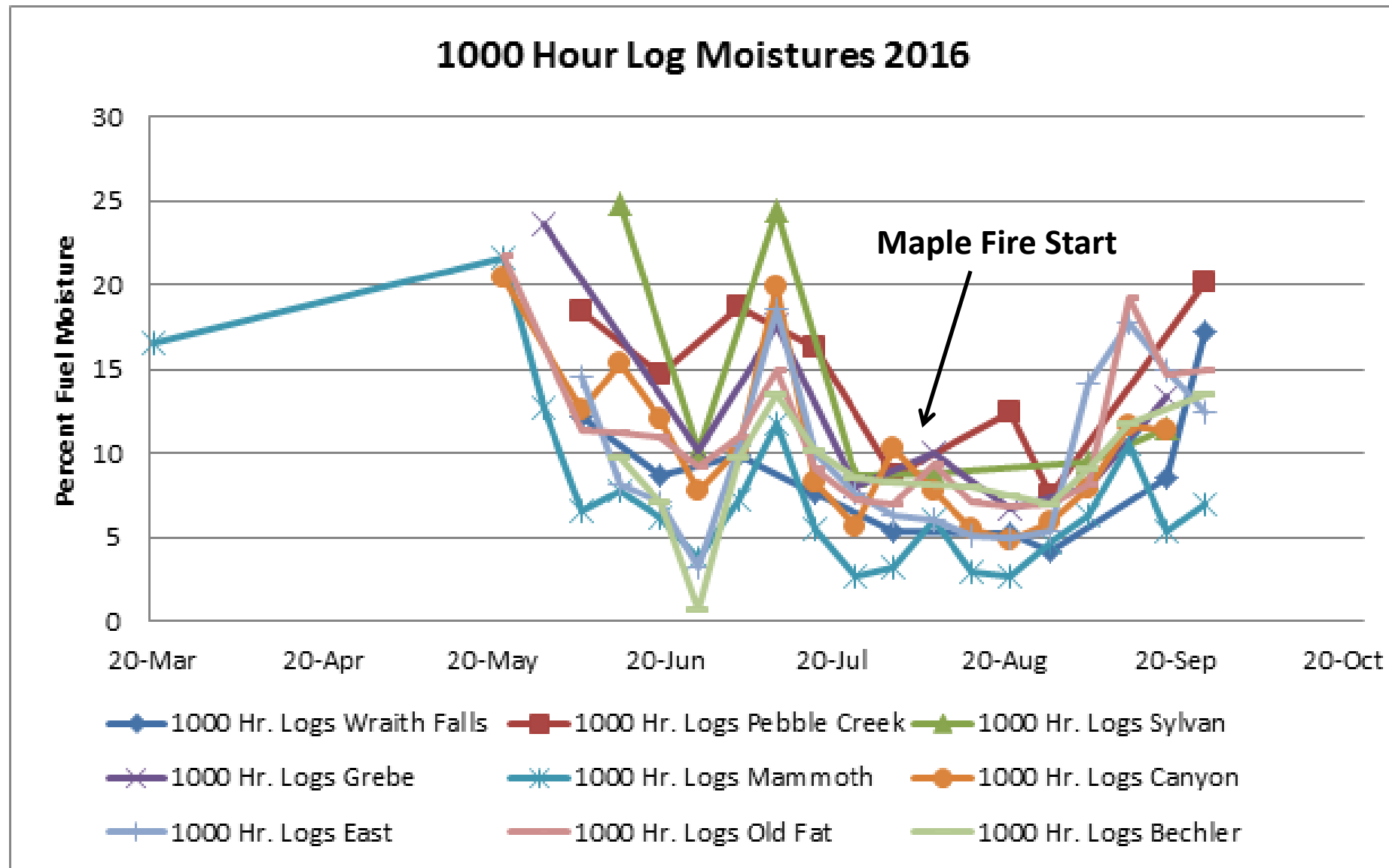




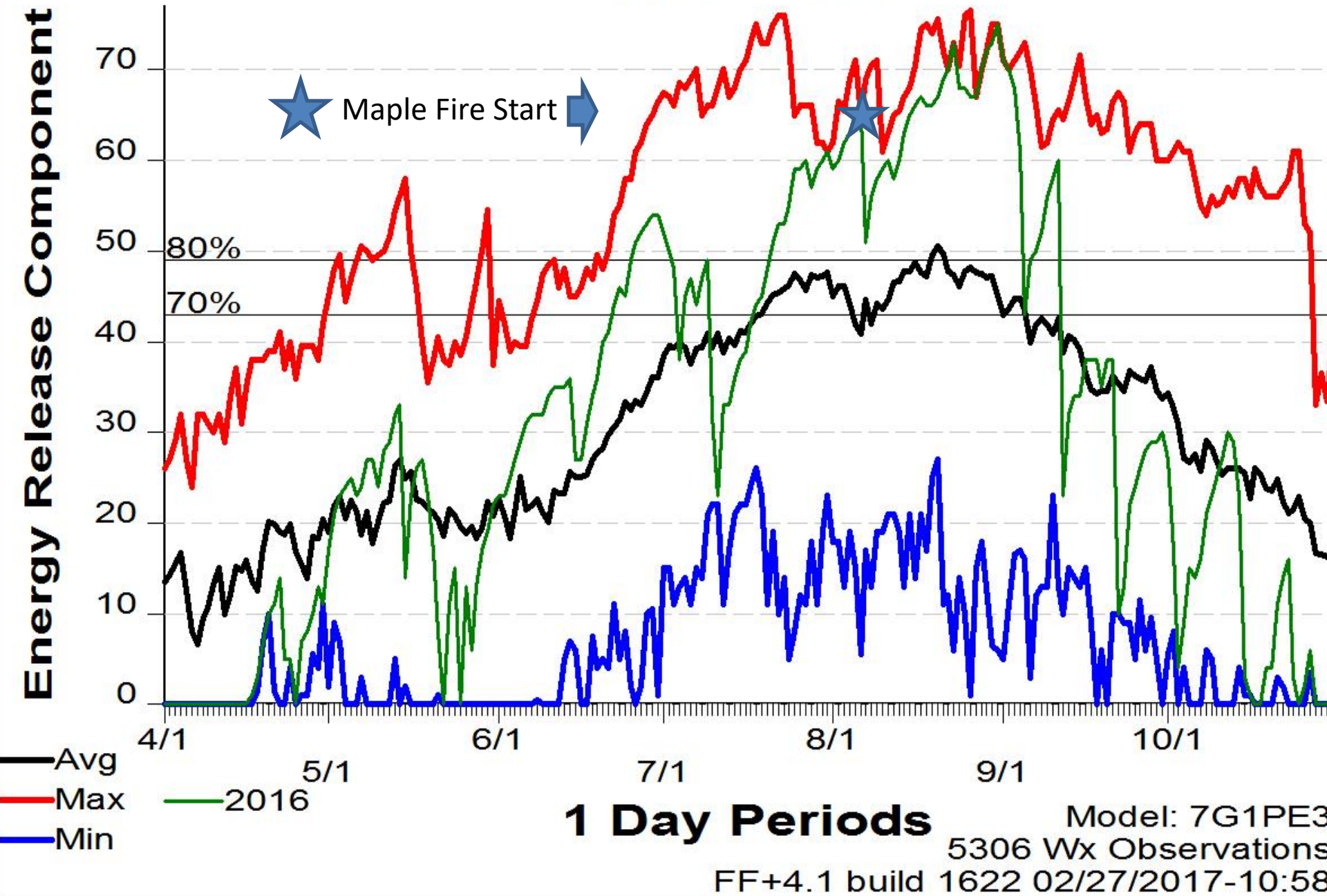
**BUILT
to
BURN
BIRTH
versus
YELL**

Decision Support Tool

Critical 1000-hour Fuel Moistures



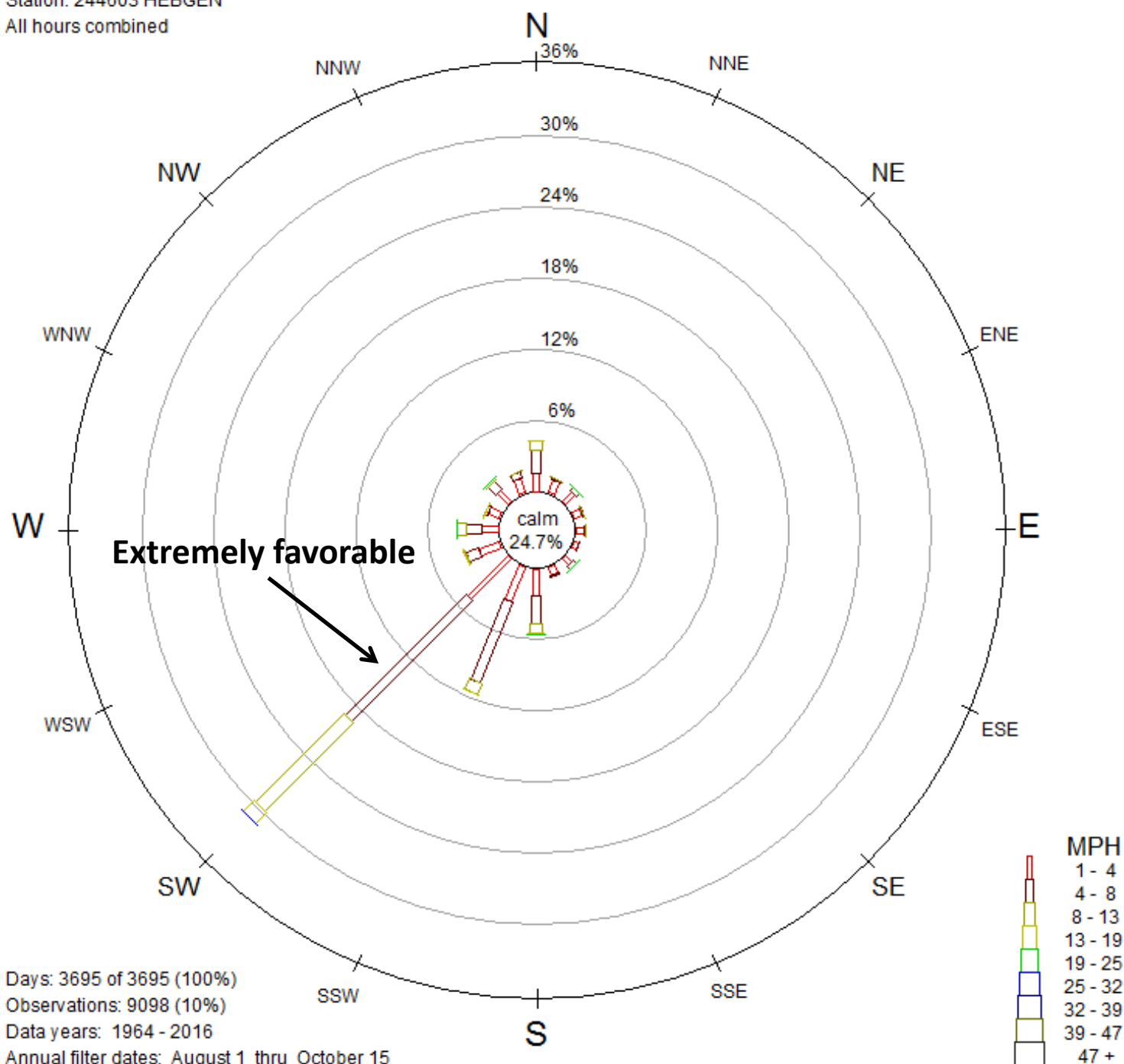
244603-HEBGEN 1991 - 2016



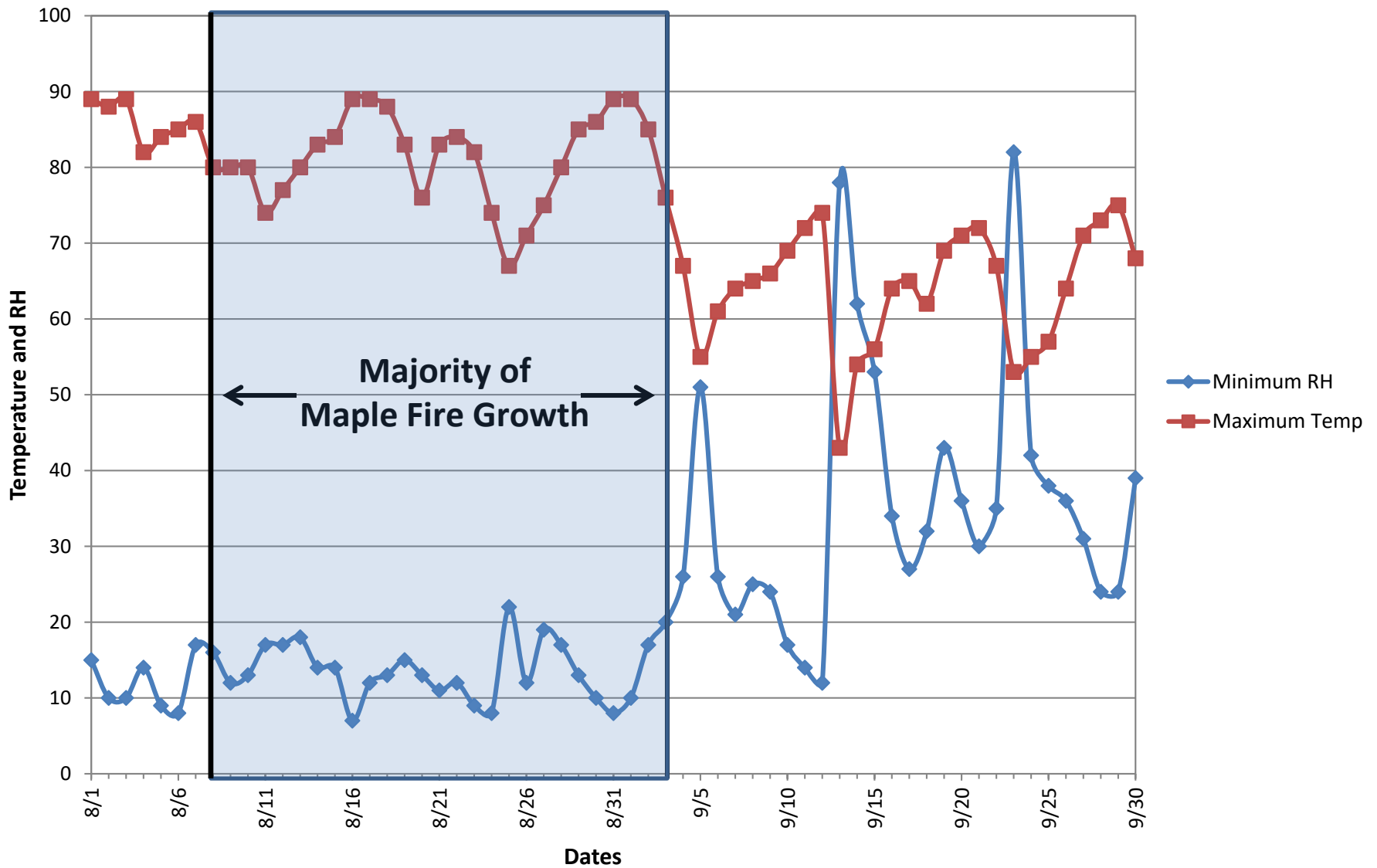
An aerial photograph showing a large fire burning in a forested area. The fire is concentrated in a central region, with smoke rising from it. The surrounding forest is dense and green. In the upper right corner, the tail and wing of a firefighting aircraft are visible, indicating active suppression efforts. The terrain appears to be a mix of forest and open areas, possibly a clearing or a road.

Maple Fire – Point of Origin
August 8 1900 hours

Station: 244603 HEBGEN
All hours combined



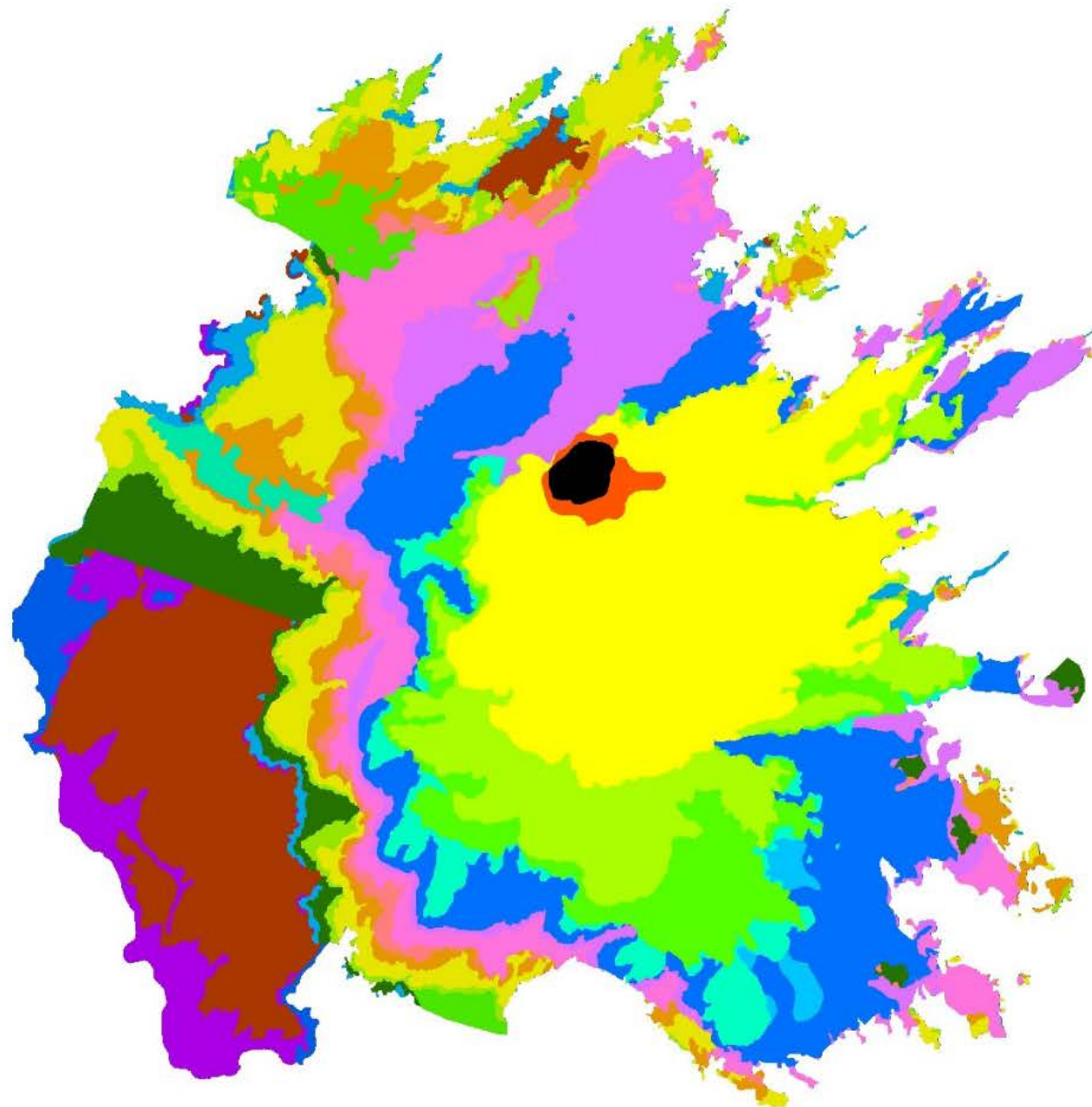
Maximum Temperature and Minimum RH During 2016 Maple Fire



Legend

DATE

8/11/2016
8/14/2016
8/17/2016
8/18/2016
8/19/2016
8/20/2016
8/21/2016
8/22/2016
8/23/2016
8/25/2016
8/27/2016
8/29/2016
8/31/2016
9/1/2016
9/2/2016
9/3/2016
9/4/2016
9/6/2016
9/9/2016
9/10/2016
9/11/2016





Maple Fire burning in '88 scar

Challenges

- **Managing an IMT2 and 2 IMT3 at once
(Maple, Tatanka, & Centennial IMTs)**
- **Distance between fires, ICP, & HQ**
- **Competing priorities for AA and FMO**
- **Internal and External Information**
- **Finding Unit Leaders for IMT3**
- **READs and Mechanical Fuels treatments**

Positive Outcomes

- 100 square miles of fire on the landscape – most of it in '88 scar
- Cost per acre ~\$150/acre
- No significant injuries
- No structures lost
- 80 acres of defensible space created around community of West Yellowstone

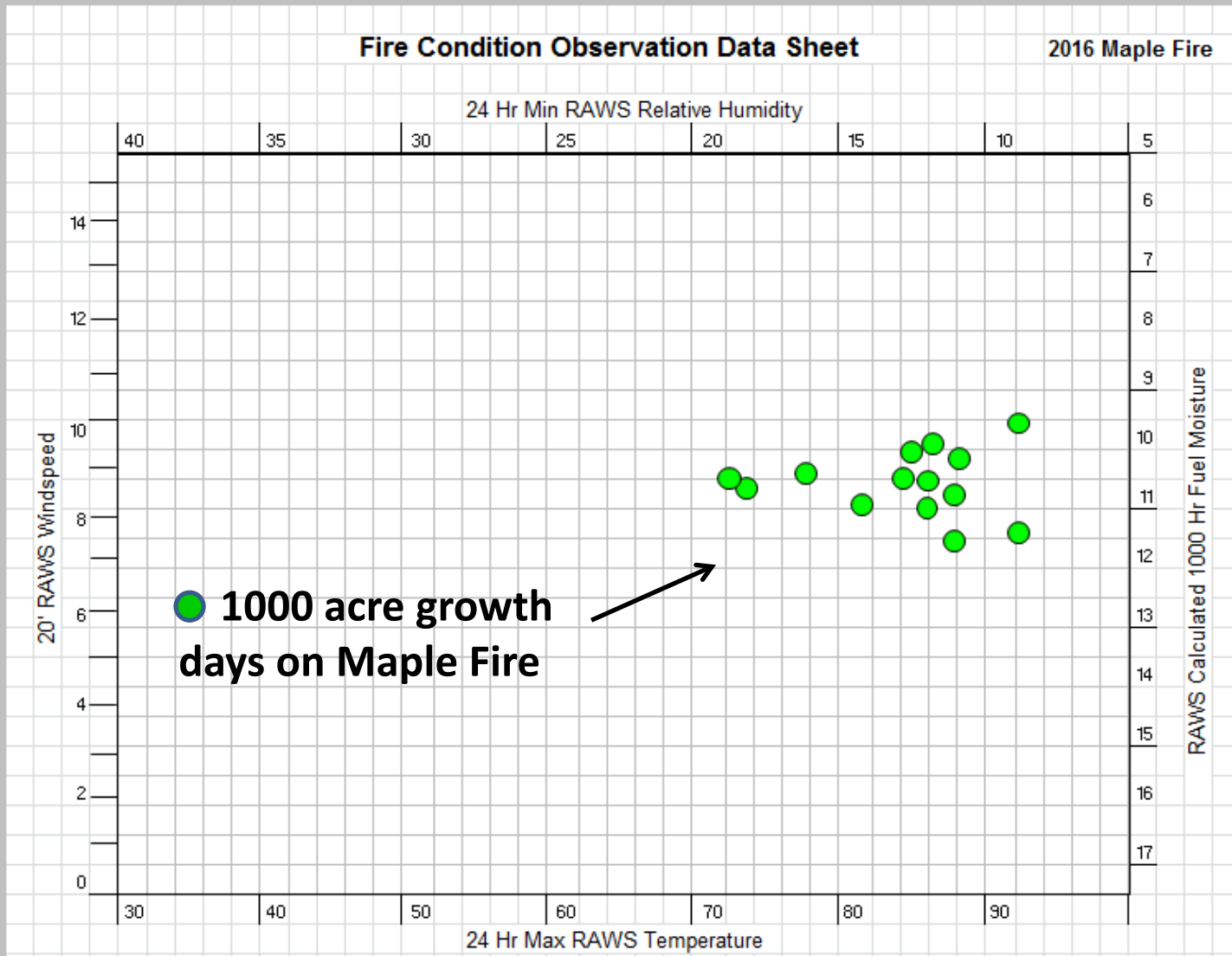
Lessons Learned

- Increased Fire Behavior in the '88 scar
- Exponential PIOF ordering
- Earlier AREP/LOFR engagement
- IBA & Buying Team support for IMT3
- Mergers, Complexes, and Splits – Oh my!

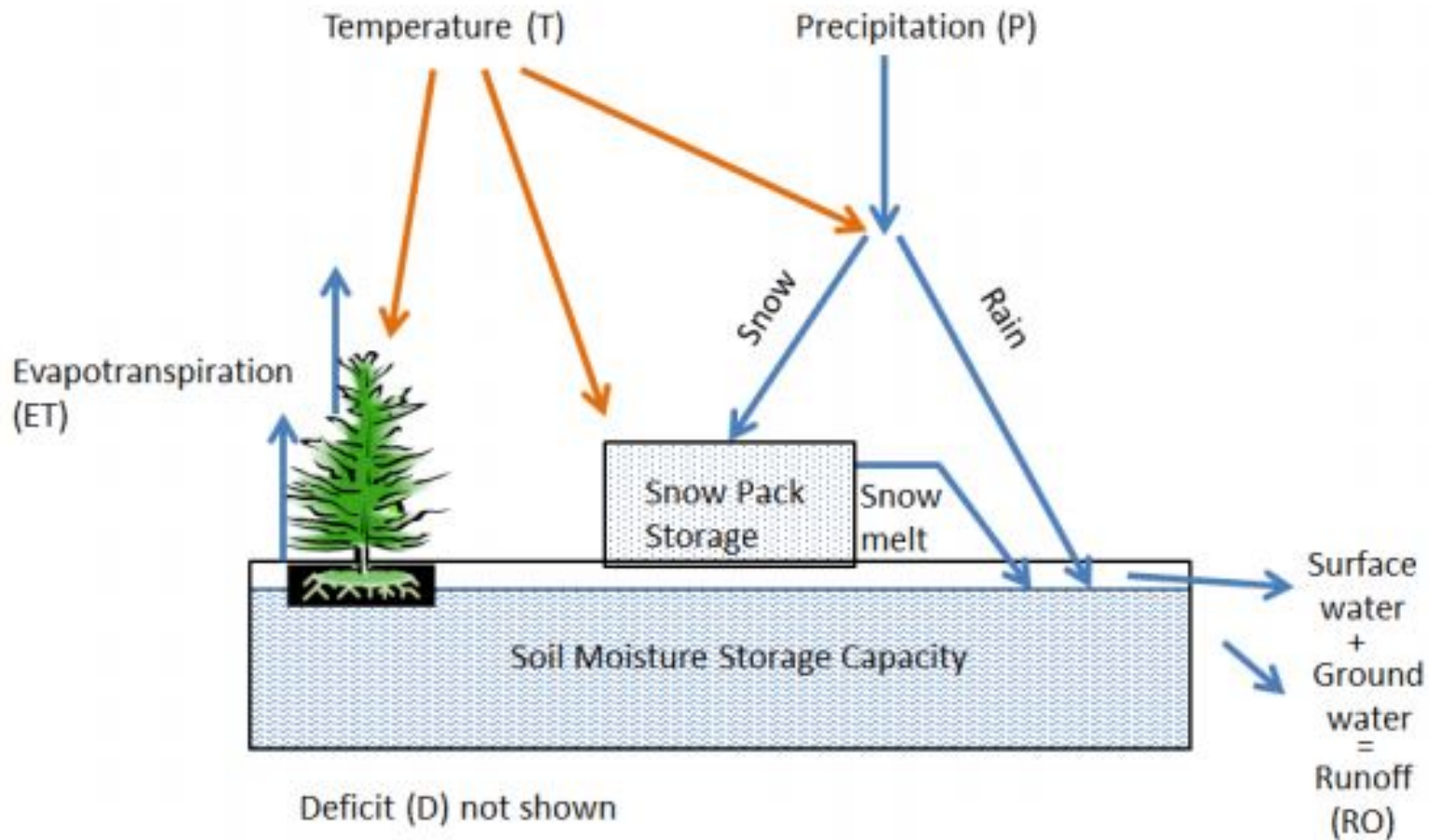
What's next?

- More research in the '88 fire scar
- Connecting research and management
- Building depth and relationships
- ↑ proactive fuels mngt. & IDT revamp
- Applications of Quadrivectors
- Water deficit climate models
- Climate Smart Goals & Objectives

QUADRIVECTORS



Climate Analyzer Model



Questions?







