



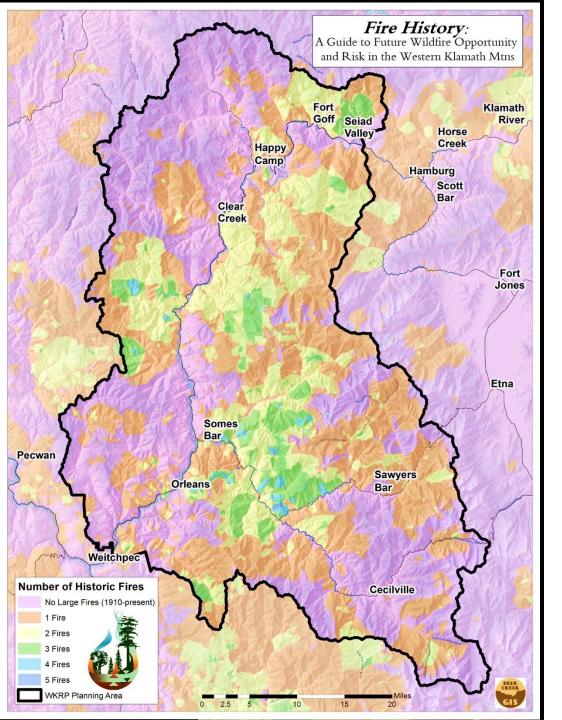








Big Rock in Orleans, CA Red Cap Glade - 2005 Looking up the Klamath River 2006: Frank Lake



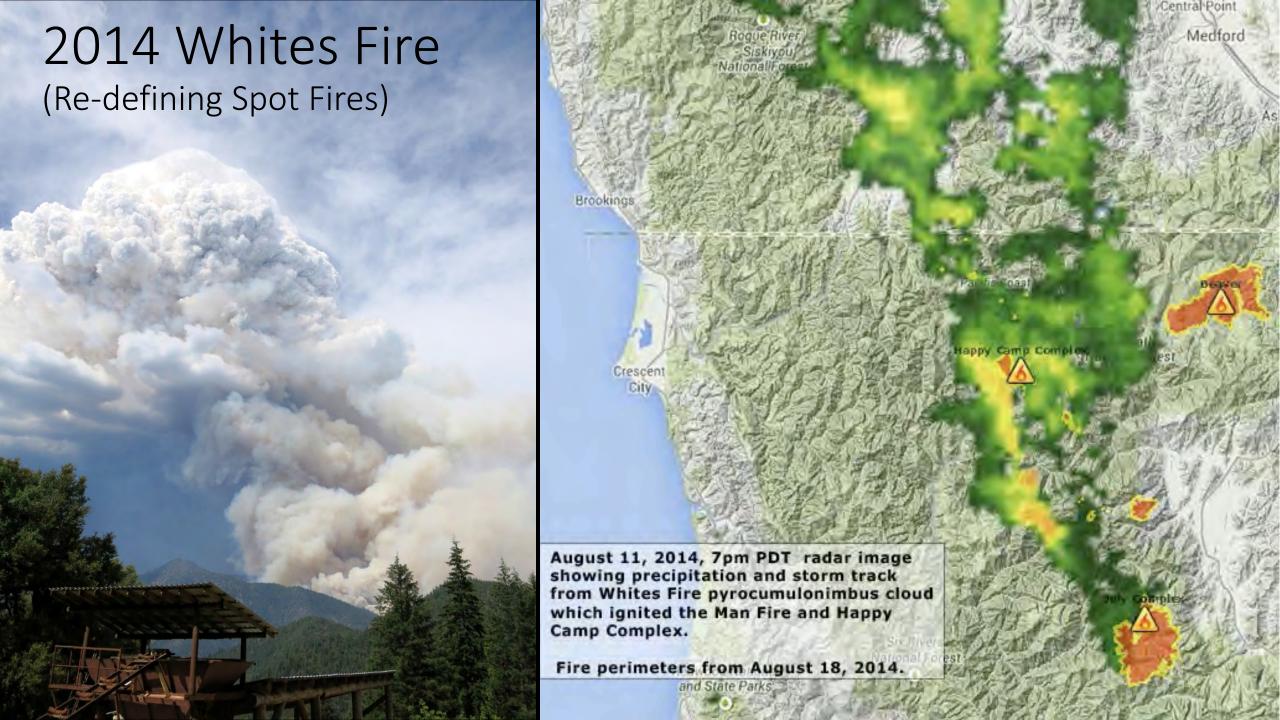
# Grim Realities and Potential Opportunities From Fire History Analysis

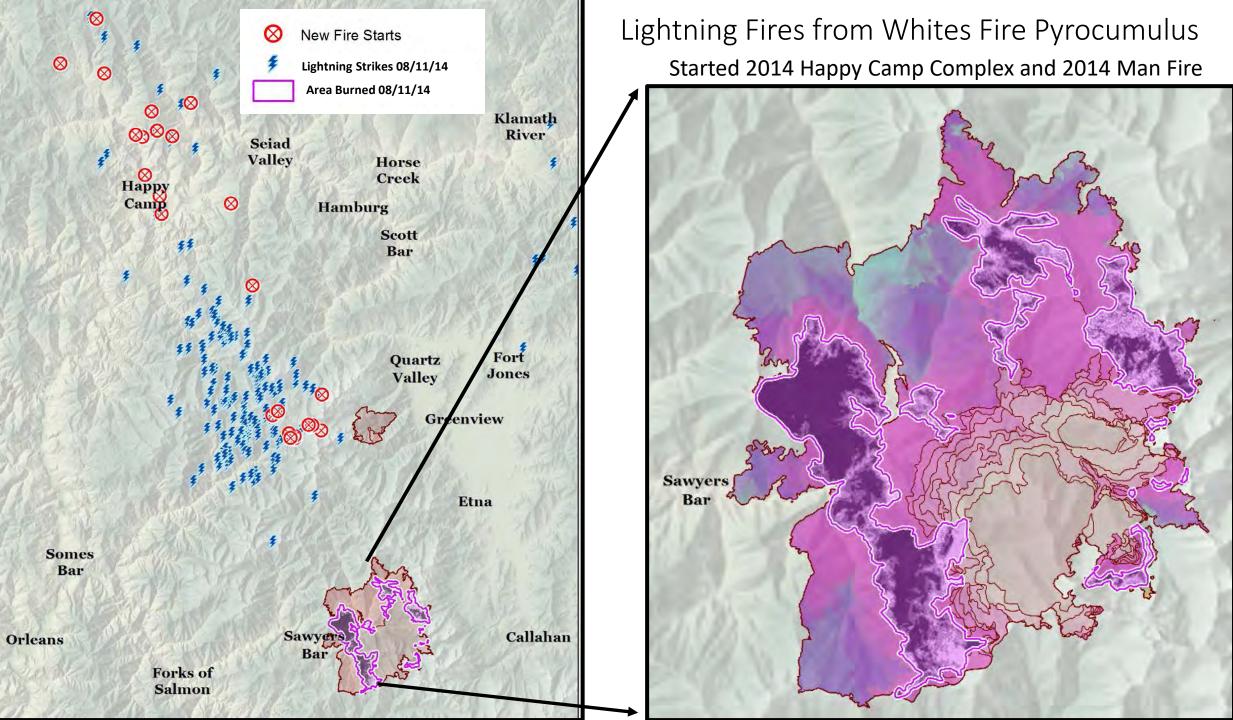
- NO areas are within their historic fire return intervals, or even remotely close.
- With no fire exclusion and continued native and early settler burning patterns, we would see smaller self-limiting fire footprints, and some places with 30-100 fire overlaps.
- Restore fire process in recent fire footprints (< ~ 11 years old)</li>

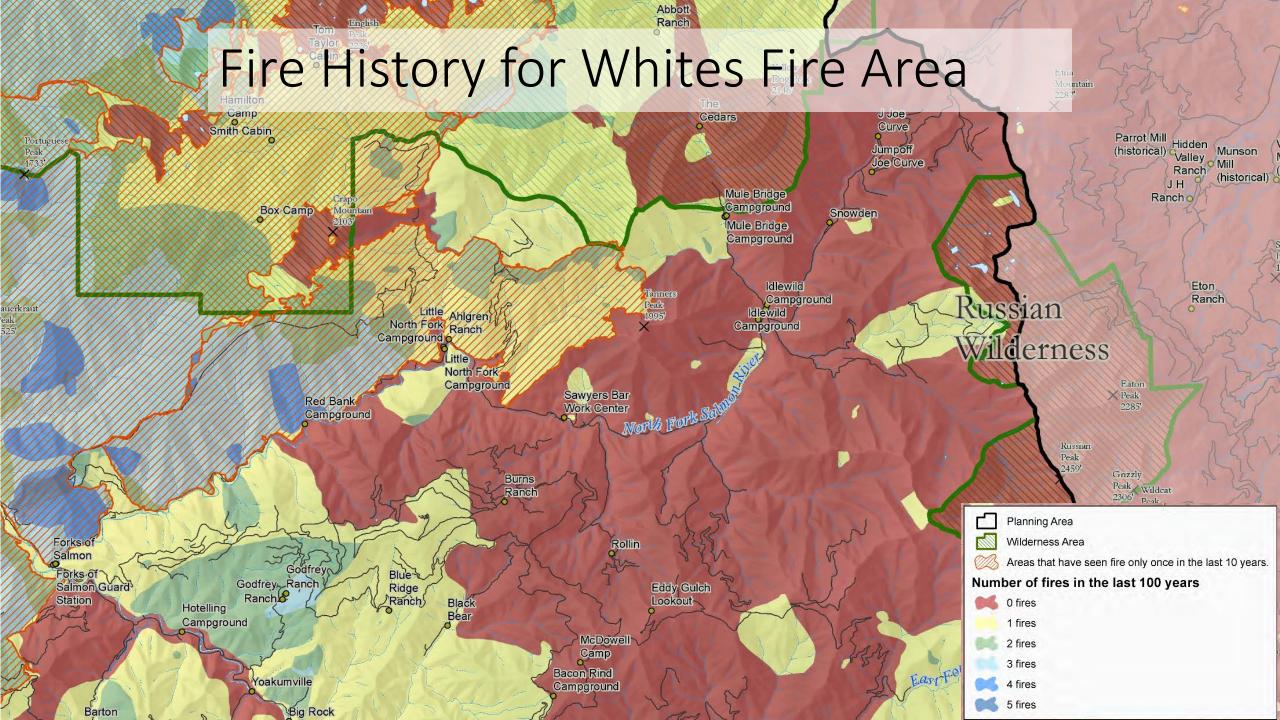
2017: Overlapping Fires Since 1914 in the Klamath Mountains		
Number of Fires	Sum of Acres	Percent of Planning Area
0	499432	41.7%
1	406735	34.0%
2	211770	17.7%
3	71322	6.0%
4	7821	0.7%
5	638	0.1%
Total Acres	1, 196,750	100%















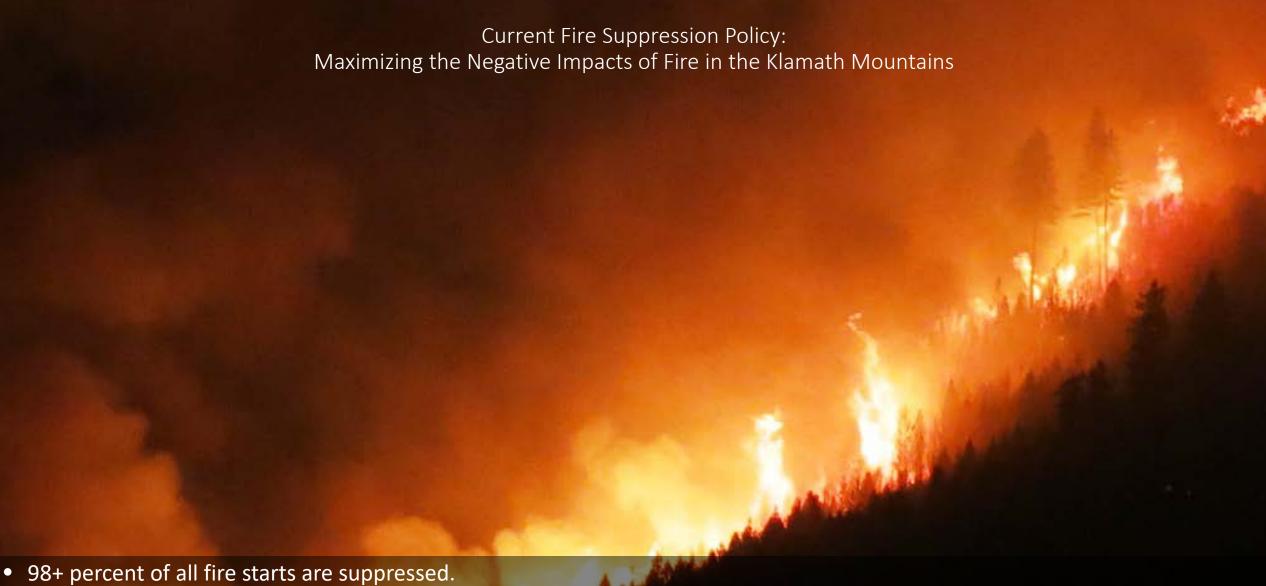












- The few fires that escape suppression typically do so because they start at the hottest, driest times of year.
- > proportion of high intensity fire, > risk to firefighters and communities.

- Continued fire policy based primarily on fire suppression in the Western Klamath Mtns has become the primary threat to communities, cultural resources, forest products and wilderness areas.
   Wildfires are doing the "heavy lifting" when it comes to landscape level fuels reduction. But what are we left with?
- Nearly 500,000 acres burned, \$550 million dollars spent on fire suppression in the Klamath Mtns in past decade.

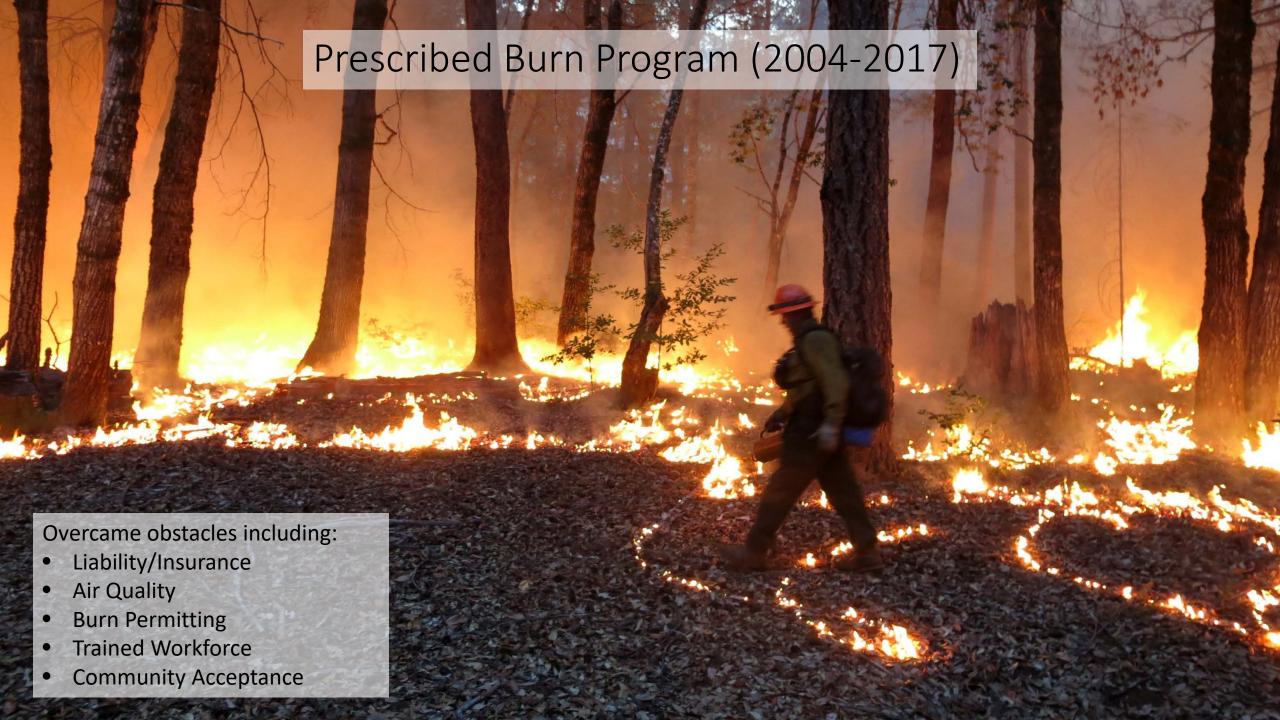
















# Нарру Camp Somes Orleans Forks of Salmon

### 2015 Klamath River TREX

- 90+ participants divided into three camps (Happy Camp, Salmon River, Orleans)
- Developing trust between CAL FIRE, USFS, local VFD's, air quality and communities.
- Creating a co-ownership model for bringing good fire back to the wildland urban interface before the next wildfire comes.





# 2015 Klamath River Prescribed Fire Training Exchange (TREX) West Simms Burn



# Wildfire and Prescribed Fire in the Orleans Valley

Orleans Fire 2013

TREX Units 2013

Ownership Private

TREX Units 2016

TREX Units 2015

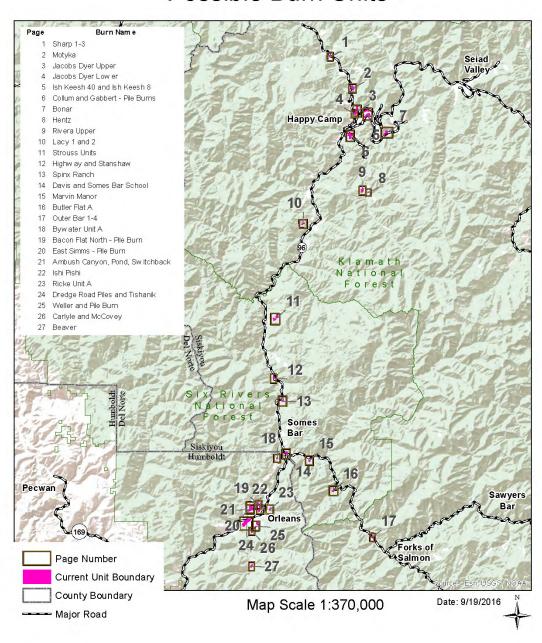
TREX Units 2014

## Getting Good Black Around Orleans

- Working off footprint of 2013 Orleans Fire
- Tying in to existing roads, ridges and defensible features
- Treating on public and private lands (2016 Red Cap Hazel Rx Burn)
- Preparing for managing wildfires for resource objectives
- Where is the line that we manage wildfires from and prescribed to the community?



# 2016 Klamath River TREX Possible Burn Units





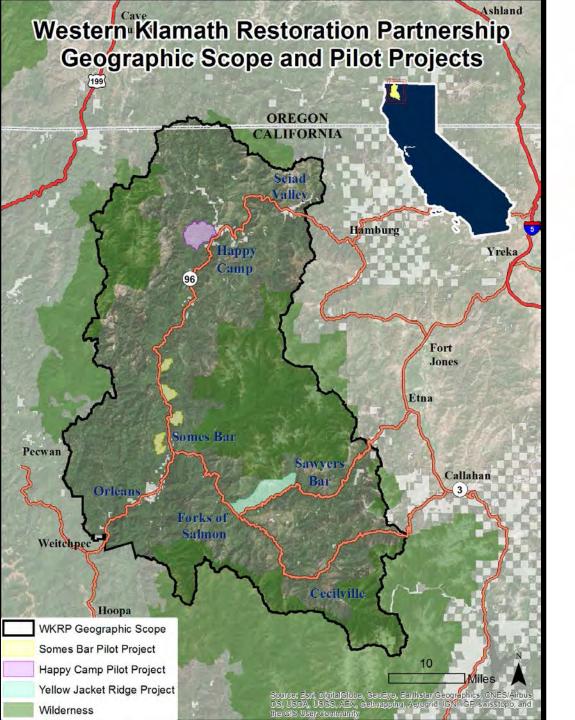


# Klamath TREX Type III Incident Management Team

- TNC, Karuk Tribe, MKWC, SRRC, USFS, Municipal FD's, Contractual Resources (Firestorm, Deer Creek Resources, Prometheus Fire Consulting, Wildland Restoration International)
- Org Chart, Daily IAP's, AAR's
- Works closely with CAL FIRE, AQMDs, local VFDs
- Intensive public outreach (community meetings, blanket calling neighborhoods pre-burn to ID issues)
- Future resource for managed wildfires and fire suppression when needed?









- Initial meetings in 2007. Focused on instream issues.
- Began facilitated upslope restoration workshops w US FLN in Spring 2013.
- An open group comprised of Federal, Tribal, Nongovernmental Organization (NGO) and local participants.
   FS not convener.
- Collaboratively identified planning area (1.2 million acres)
- Goal: Restore "historic" (natural w people) fire regimes in the Western Klamath Mtns.



# ESTERN KLAMATH RESTORATI

- Building support at all levels for upslope restoration actions to expedite the creation of fire resilient communities and forests.
- Initiating large scale project planning through multi-agency Inter-disciplinary Teams.
- Implementing Prescribed Fire Training Exchanges (TREX).
- Workforce Development (Managing IQCS quals locally, scaling up capacity)



























#### 1. Conceptualize

- · Define initial team
- Define scope, vision, targets
- · Identify critical threats
- · Complete situation analysis

#### 5. Capture and Share Learning

- Document learning
- Share learning
- · Create learning environment

#### Conservation Measures **Partnership Open Standards**

#### 2. Plan Actions and Monitoring

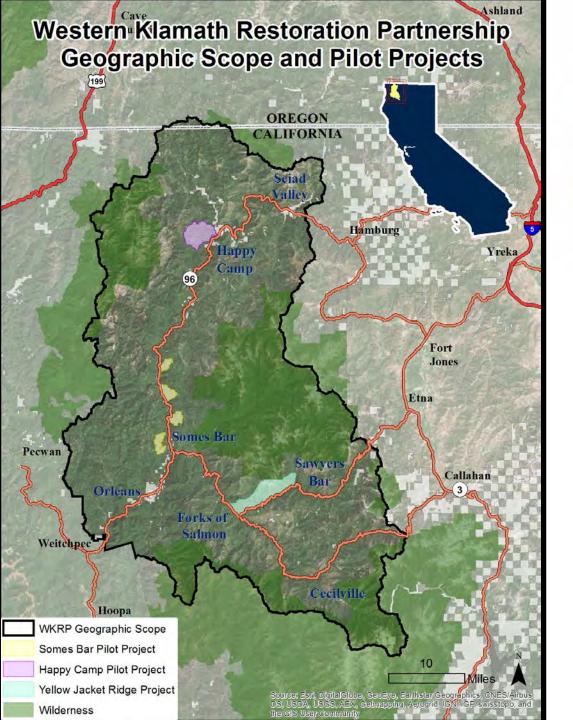
- · Develop goals, strategies, assumptions, and objectives
- Develop monitoring plan
- Develop operational plan

#### 4. Analyze, Use, Adapt

- · Prepare data for analysis
- Analyze results
- · Adapt strategic plan

#### 3. Implement Actions and Monitoring

- Develop work plan and
- · Develop and refine budget
- Implement plans





# Somes Bar Integrated Wildland Fire Management and Capacity Development Project

- Go from agreement in principal to agreement in practice
- Build multi-organizational capacities

# Happy Camp Integrated Community Protection and Workforce Development Project

- Learn from the Somes Bar project
- Build/invest in local workforce (50,000+ acres NEPA ready projects)

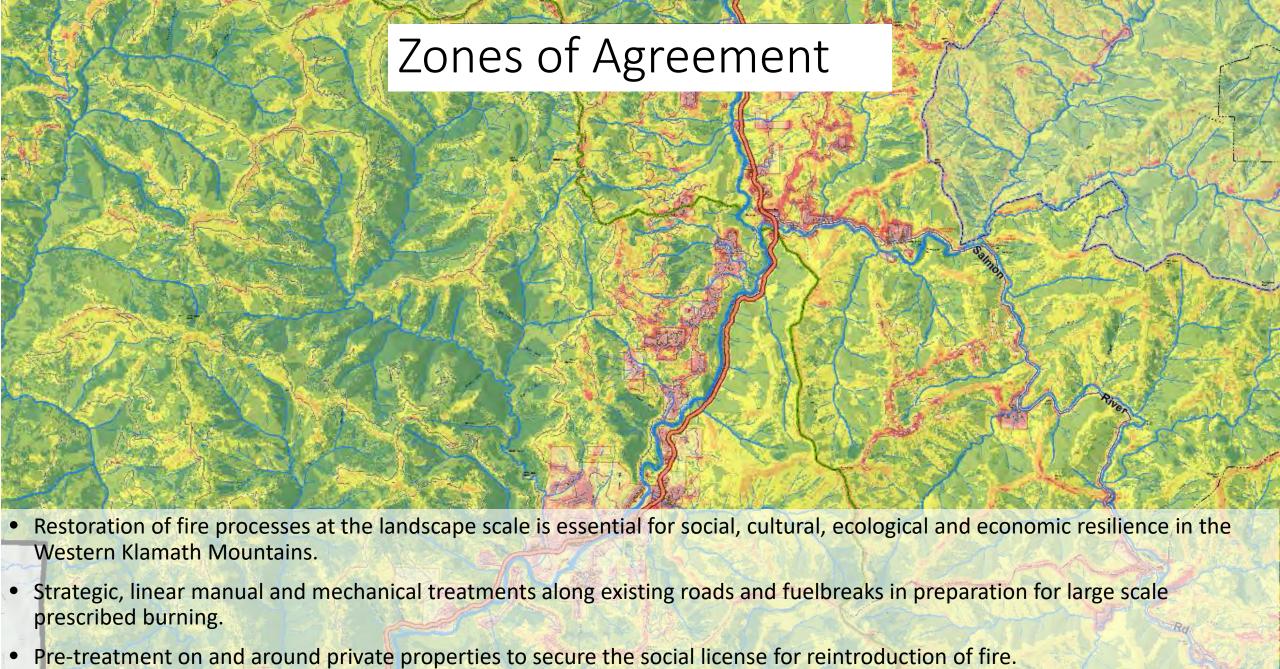
#### Salmon River Integrated Large Fire Management Project

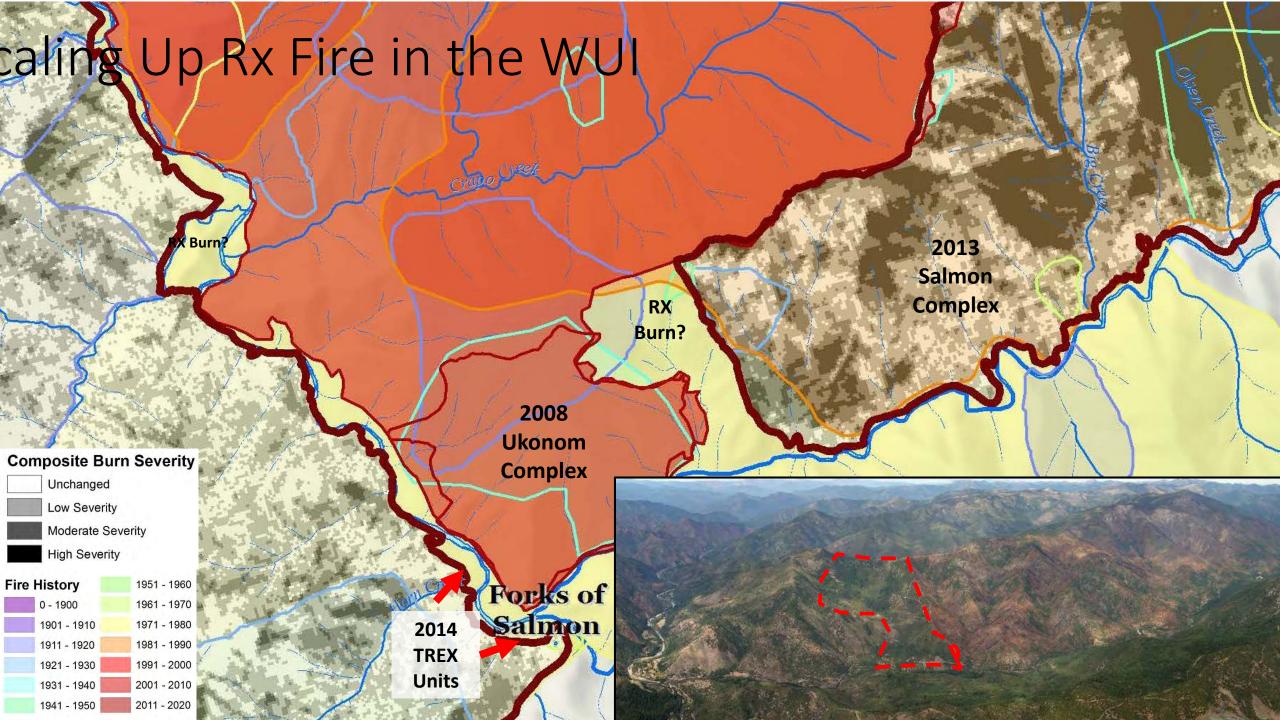
- Utilize recent fire footprints to implement large scale Rx fire safely
- Restore frequent fire regime across 22,000 acres in the WUI

## **Shared Values**



- Sustainable local economies
- Cultural and community vitality includes food security and balanced human-fire relationship
- Fire-adapted communities
- Restored fire regimes
- Resilient, biodiverse forests, plants, animals, fish
- Healthy river system







#### **Challenges**

- Going from Agreement in Principle to Agreement in Practice (prescriptions).
- Reaching agreement from all affected parties to implement treatments at larger scales.
- Lack of local capacity/housing to provide for workforce to implement projects at scale.

#### **Opportunities**

- Collaboratively plan and implement large scale projects that restore forest process and function, honor shared values and build trust.
- Implement prescribed burn treatments at larger scales with all partners engaged.
- Demonstrate mechanisms for shared liability to reduce risk aversion.

