Roadmap to Resilience

Building Partnerships at All Scales to Deploy Place-Based Solutions

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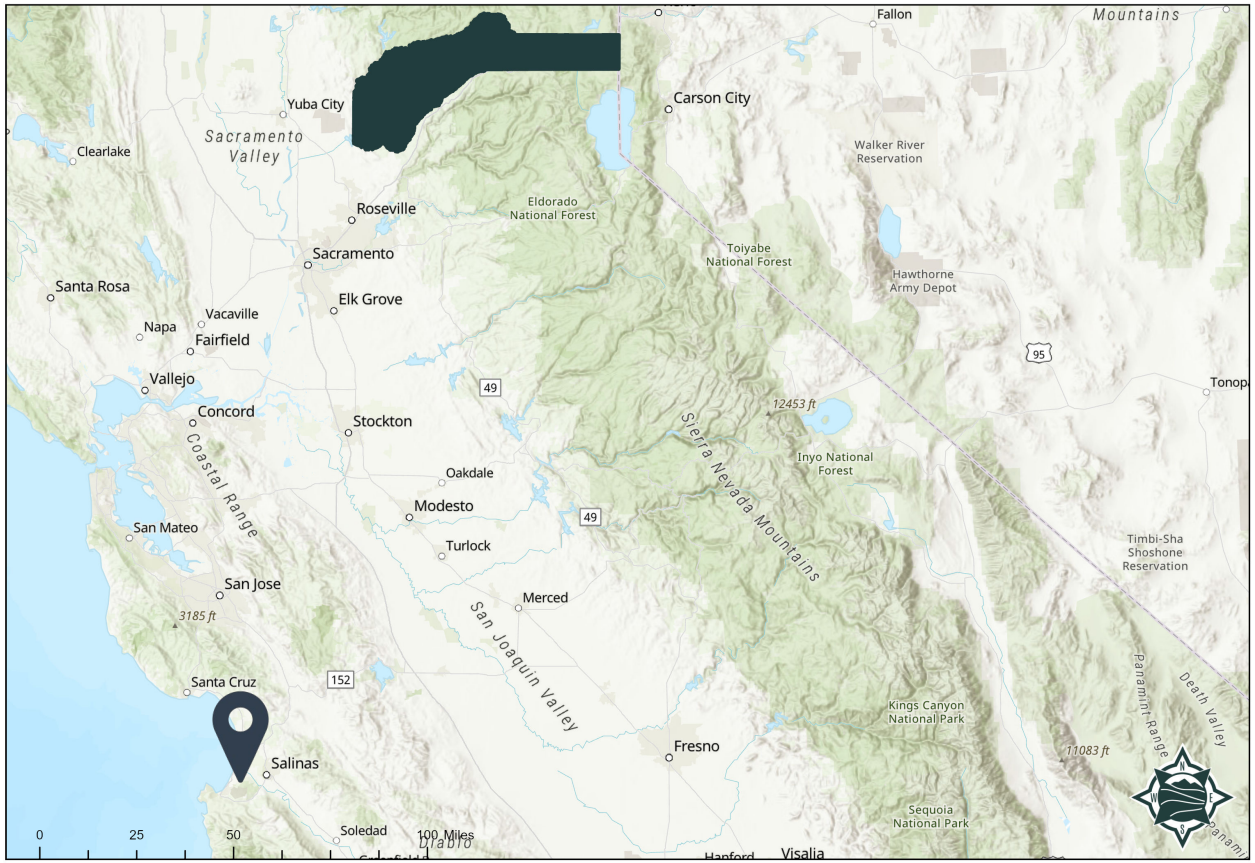
NEVADA COUNTY CALIFORNIA | Office of Emergency Services

Introduction

- **County of Nevada Office of Emergency Services**
  - *Alex Keeble–Toll, Senior Administrative Analyst*
  - *Alessandra Zambrano, County Wildfire Coordinator*

Nevada County



- Rural county in Sierra Nevada Foothills
- 3 cities
- Population approximately 100,000
- 2,520 square kilometers
- Elevation from below 300 meters to above 2,700 meters

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Published 10/2023 azambrano

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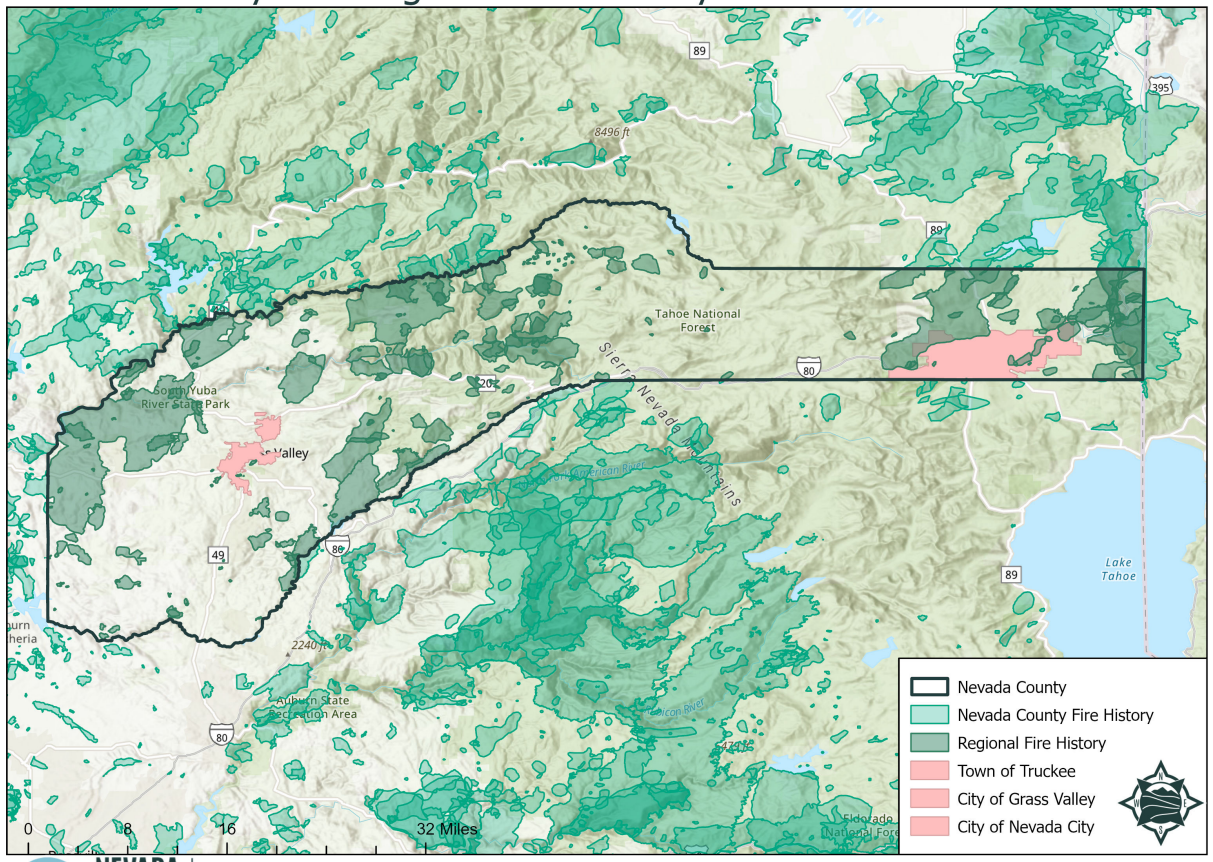
Nevada County's Fire Problem

Nevada County and Regional Fire History



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- Over 90% is Very High Fire Hazard according to CAL FIRE
- Over 50% of the County is in the Tahoe National Forest
- Significant fuel loading
- Fire debt
- Infrastructure and homes are very old
- Forest health issues

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Nevada County's Community

- Very diverse community types
  - Working Landscape to High Amenity/High Resource
- East vs. West divide
- Very active in wildfire
  - Camp Fire
  - Almost 100 Firewise Communities

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Nevada County's Roadmap to Resilience

Wildfire Risk Assessment

- Wildfire Hazard Assessment and Wildfire Risk Assessment
- Specific to Nevada County wildfire challenges
- Landscape and community scale
- Help determine future projects and grant priorities
- Find opportunities for risk reduction that reduce fire hazard and protect what the community values

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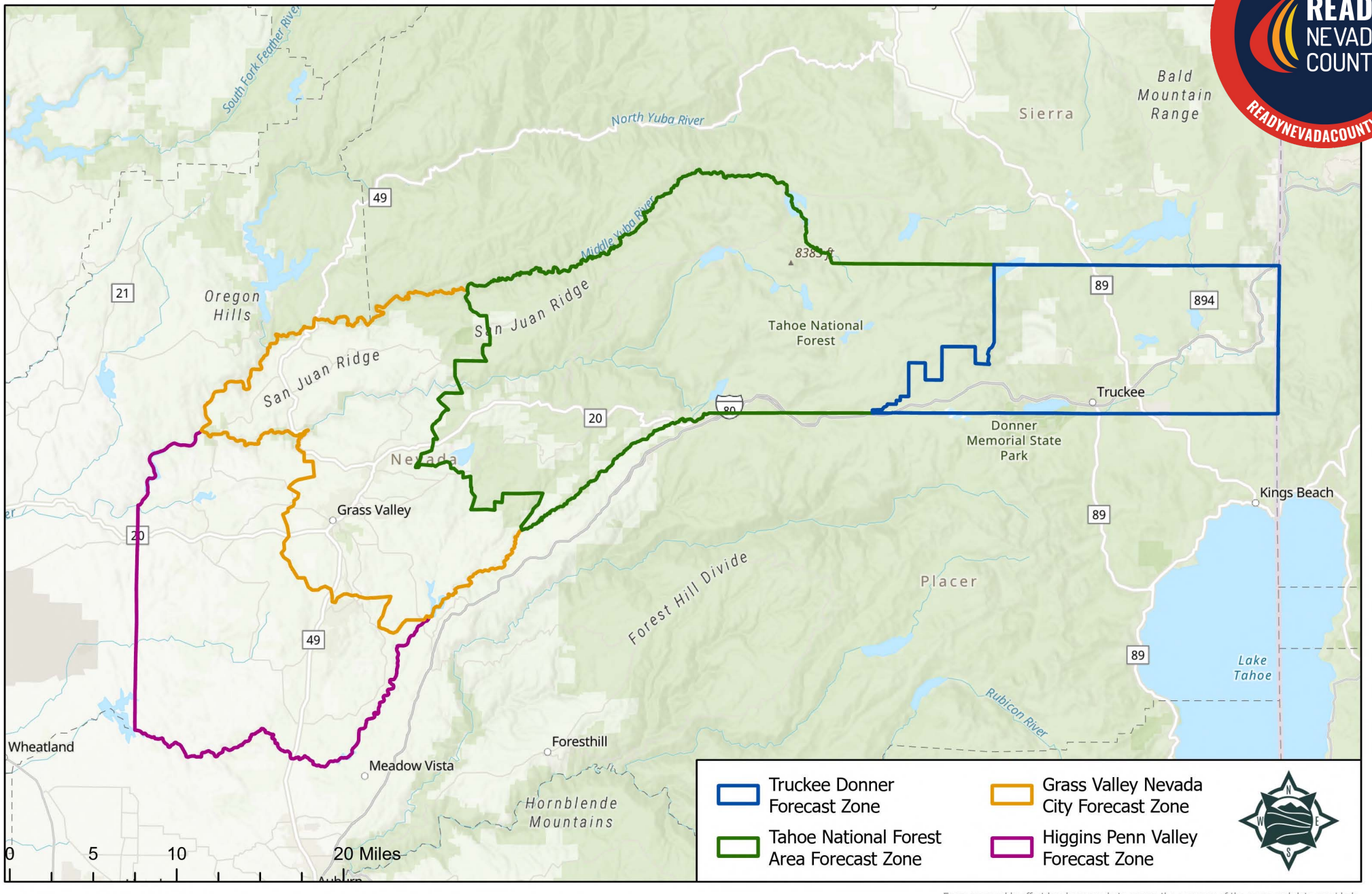
Fire Modeling Forecast Zones



High-Value Resources and Assets at Risk

- Risk assessment determines risk based on a resources or assets likelihood and susceptibility
- Custom to Nevada County
  - Prioritize the risk reduction based on we want to protect
    - Outreach
  - Focused on Nevada County needs and go beyond life and property
- Four Primary-HVRAs

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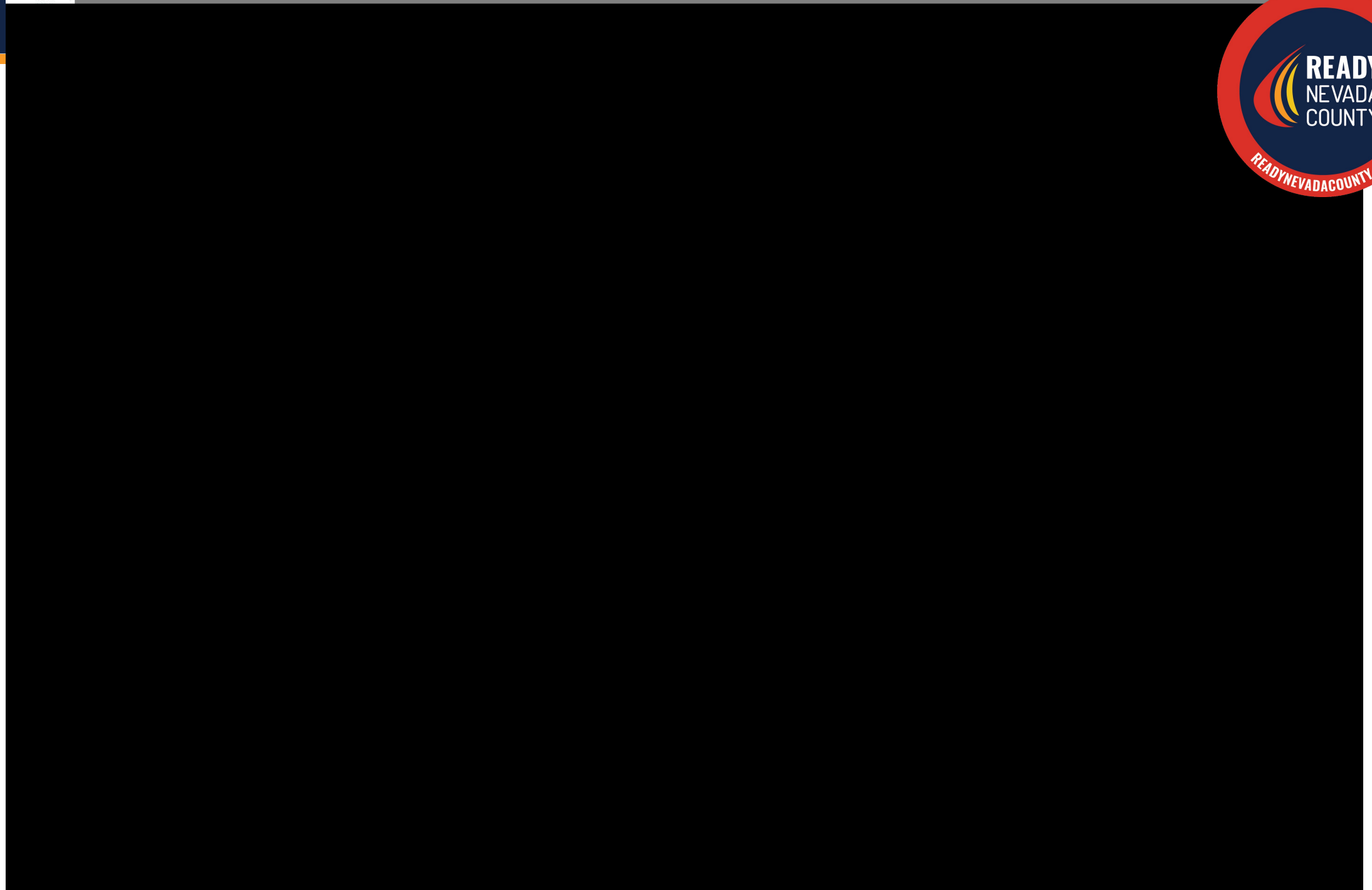
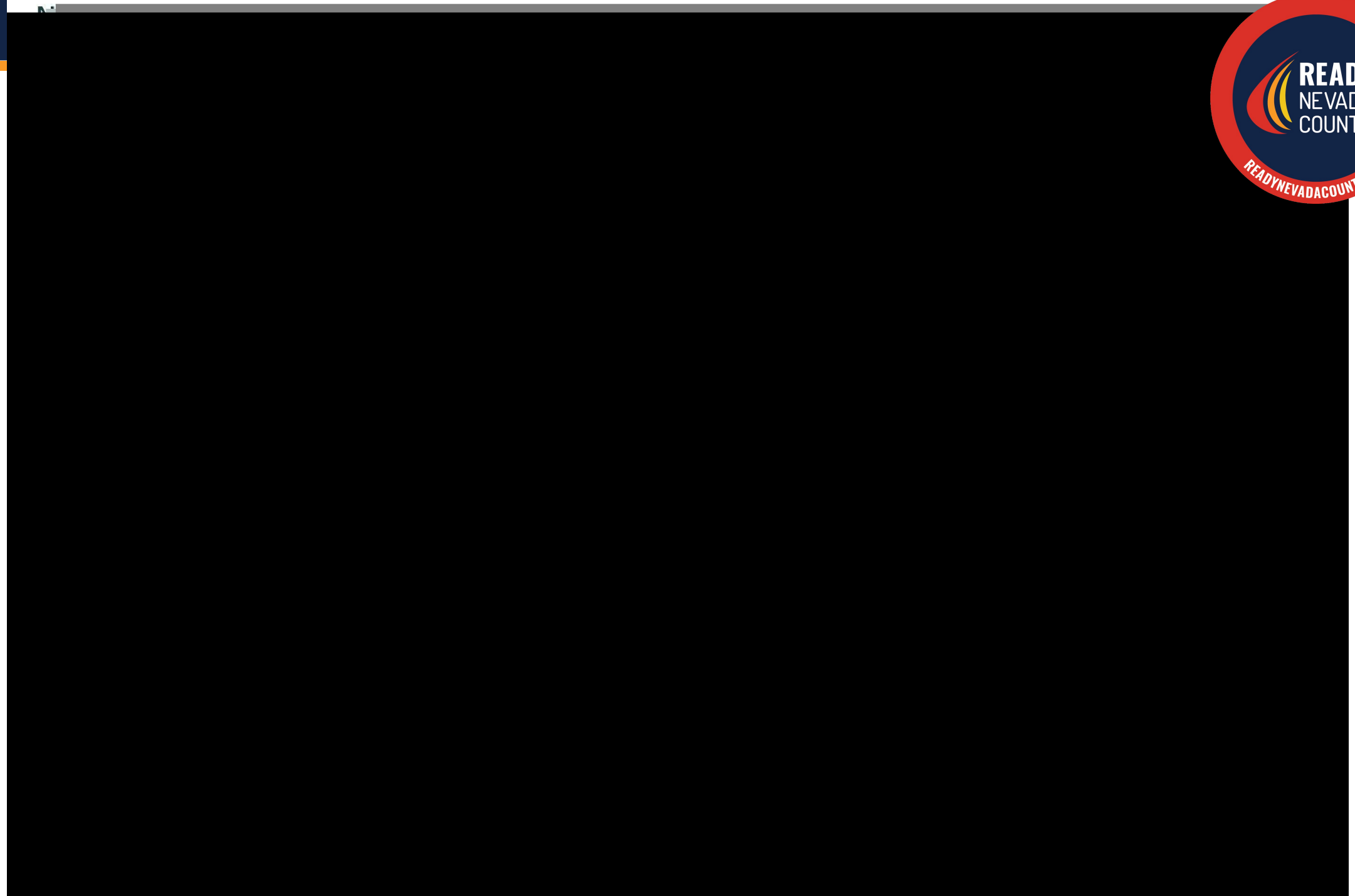
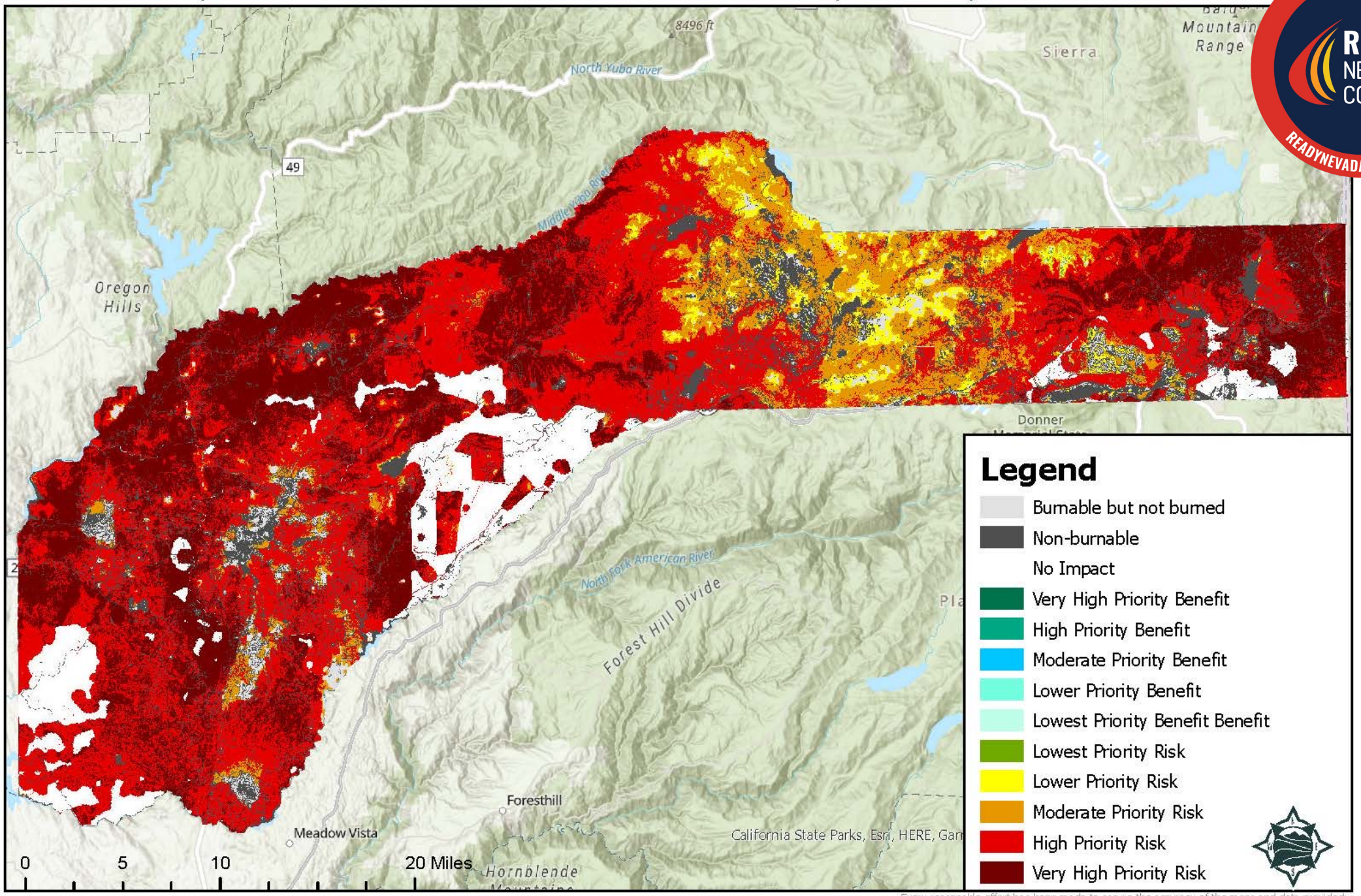




Nevada County Wildfire Risk Assessment Results: Community Lifelines, Fuel-Driven Scenario



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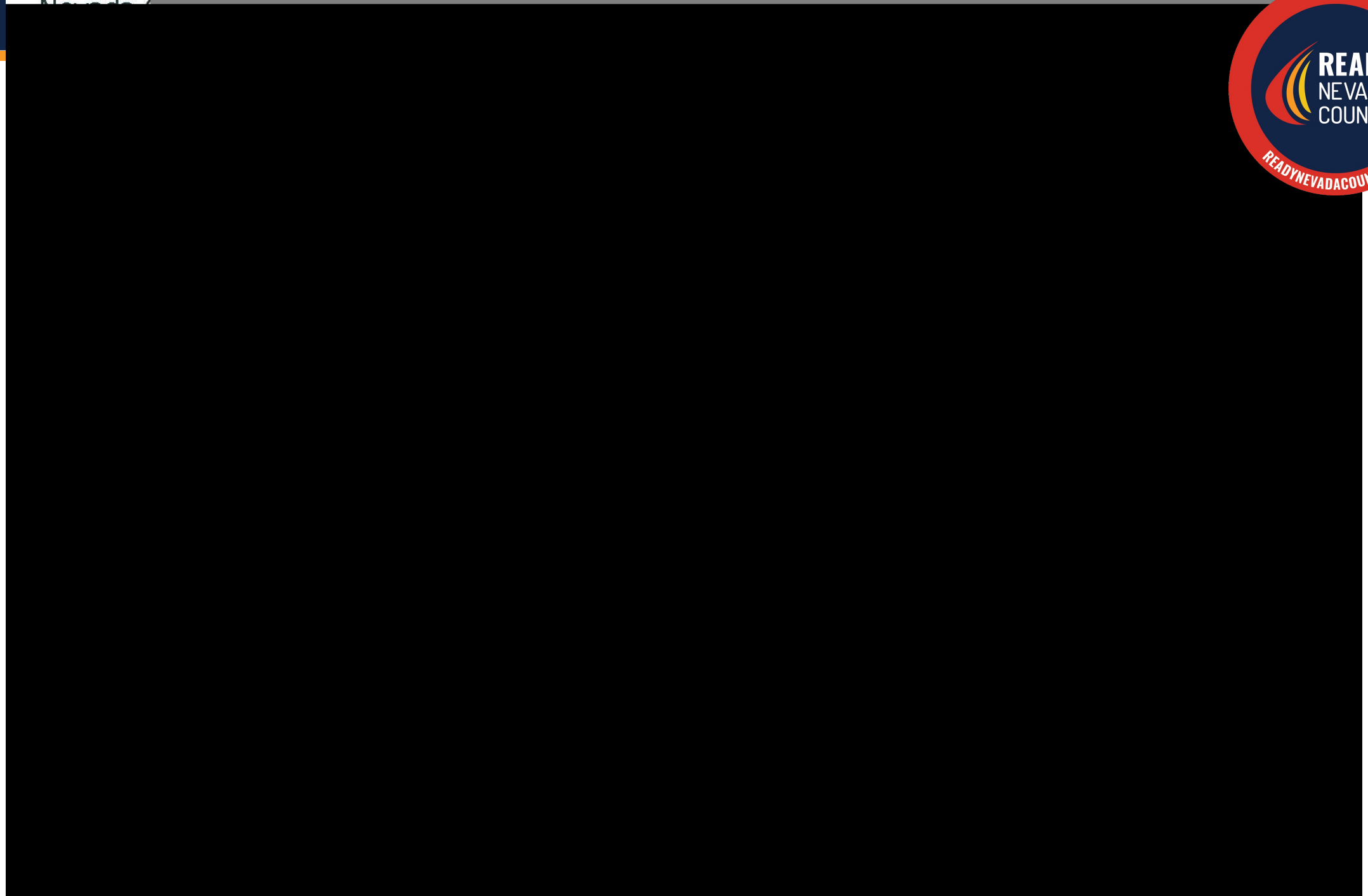
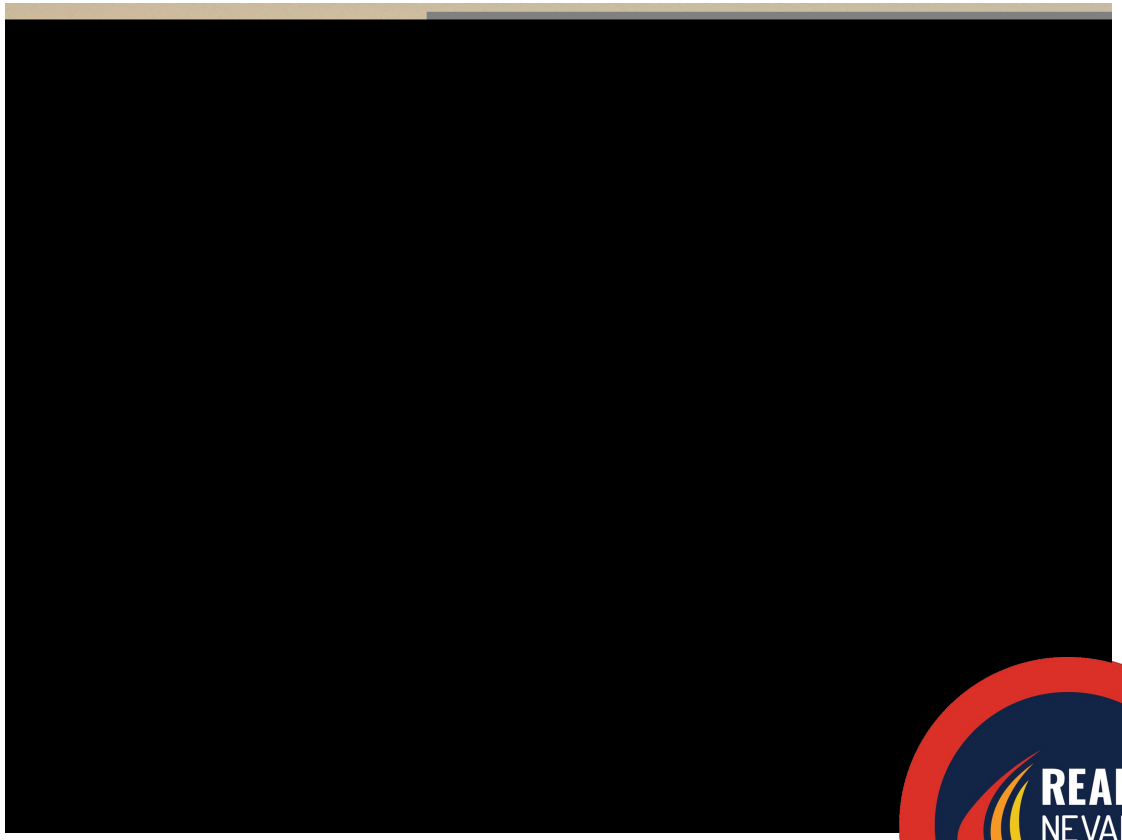
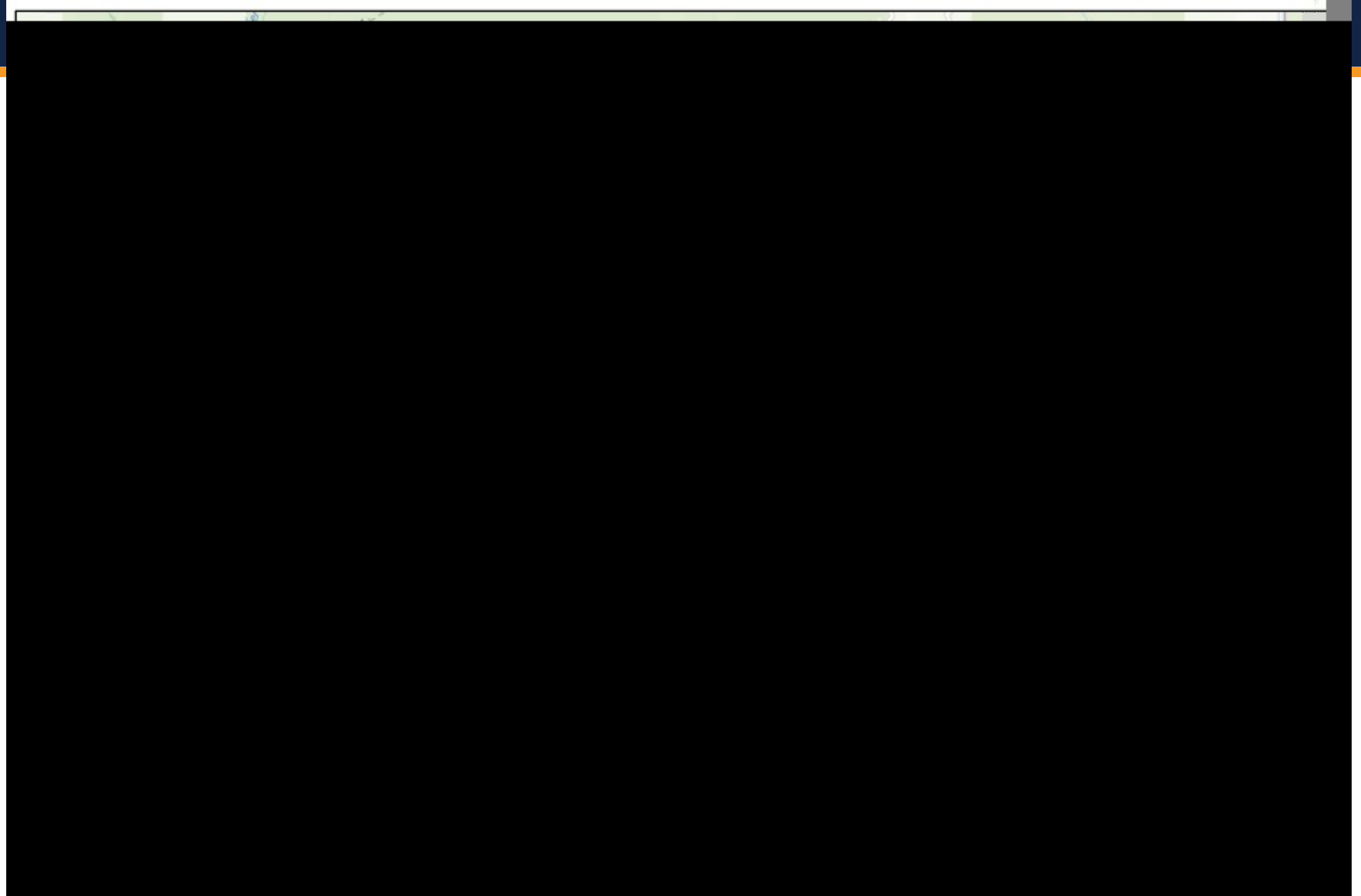


Wildfire Risk Assessment

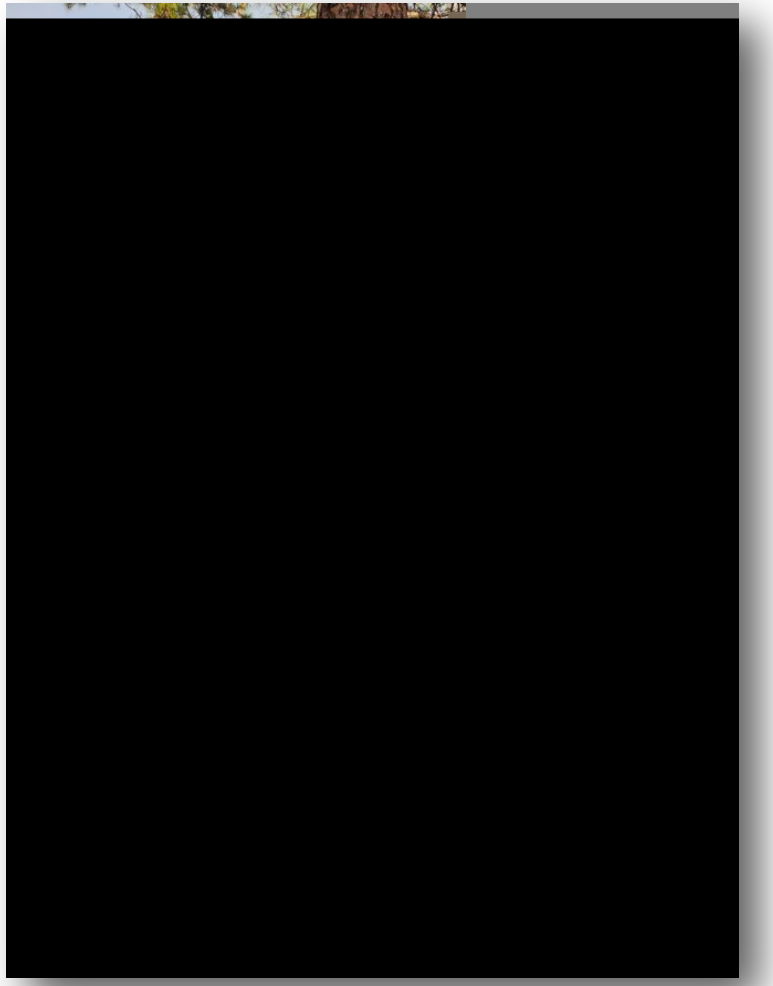
- Nevada County is vulnerable to fires that impact multiple HVRAs
  - Have a lot to lose
  - Why recovery is hard
- Economic Resources results can't be meaningfully isolated in a rural environment
  - Relationship between the economy and the environment
- Risk Reduction needs to be multi-beneficial





Project Priority Areas

- Identify areas for multi-benefit wildfire risk reduction activities
  - Greater diversity and participation
- Intersection of wildfire hazard, wildfire risk, and community priorities
- Top 3 HVRAs
  - (1) Community Lifelines
  - (2) Community Health
  - (3) Natural Resources
- Highest and High Priority Areas



Putting it Into Action

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