



Collaborative Resilience

Community Wildfire Protection

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Nevada County Office of Emergency Services

Q: What do these features of our County all have in common?

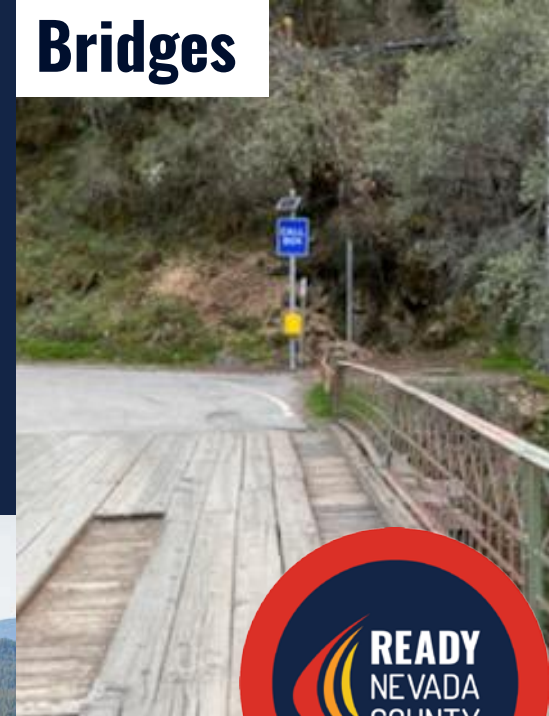
Roads



Watersheds



Bridges



Meadows



Forests



A: They are infrastructure that must be maintained

Forests need maintenance just like roads. When we are behind on our maintenance, we are all at risk...

WUI
Home



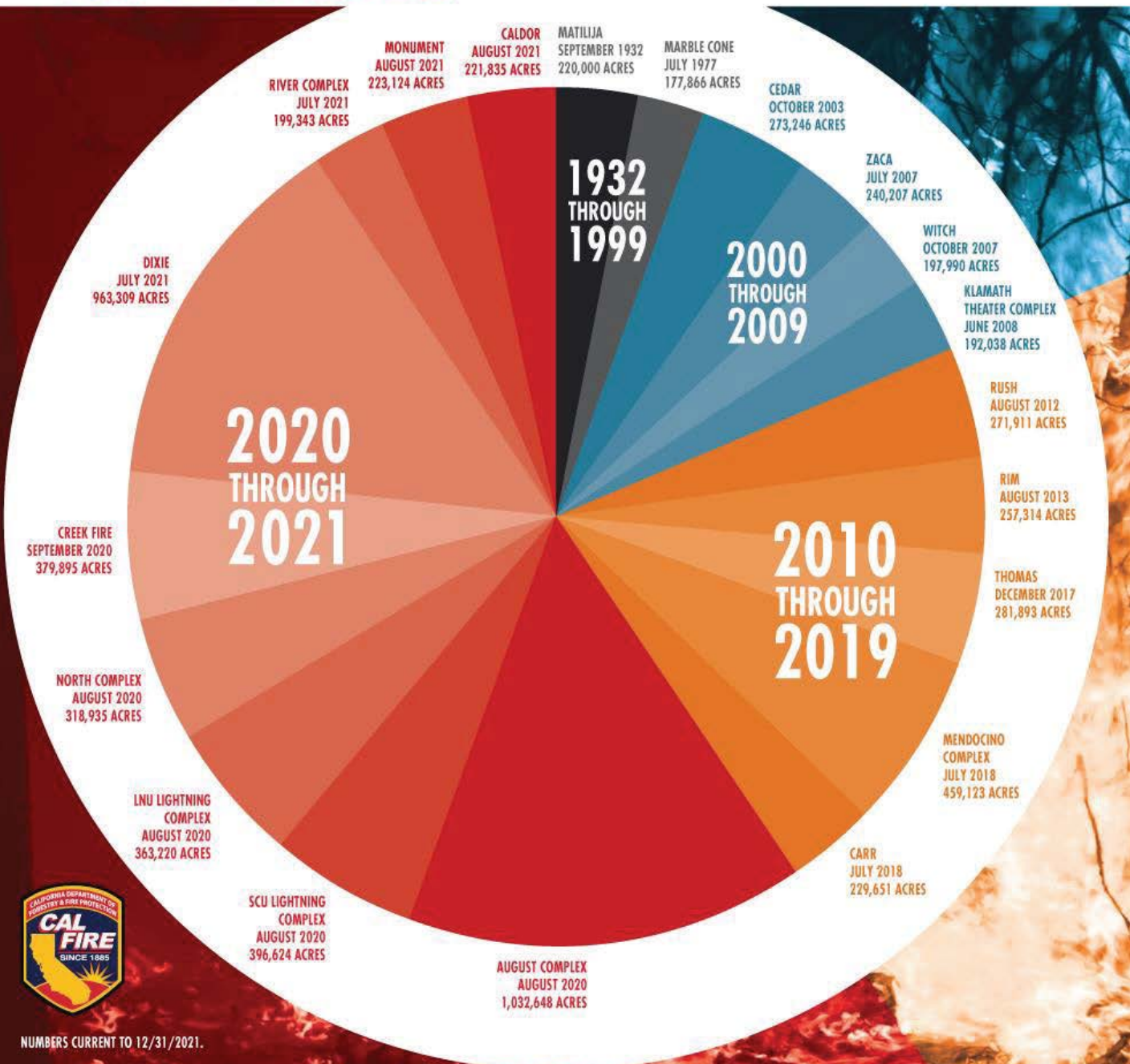
We haven't done our maintenance as stewards of this land...



And now we have a PROBLEM...



TOP 20 LARGEST CALIFORNIA WILDFIRES



NUMBERS CURRENT TO 12/31/2021.





**92% of Nevada
County residents
live high fire
hazard severity
zones**





Community is the Thread

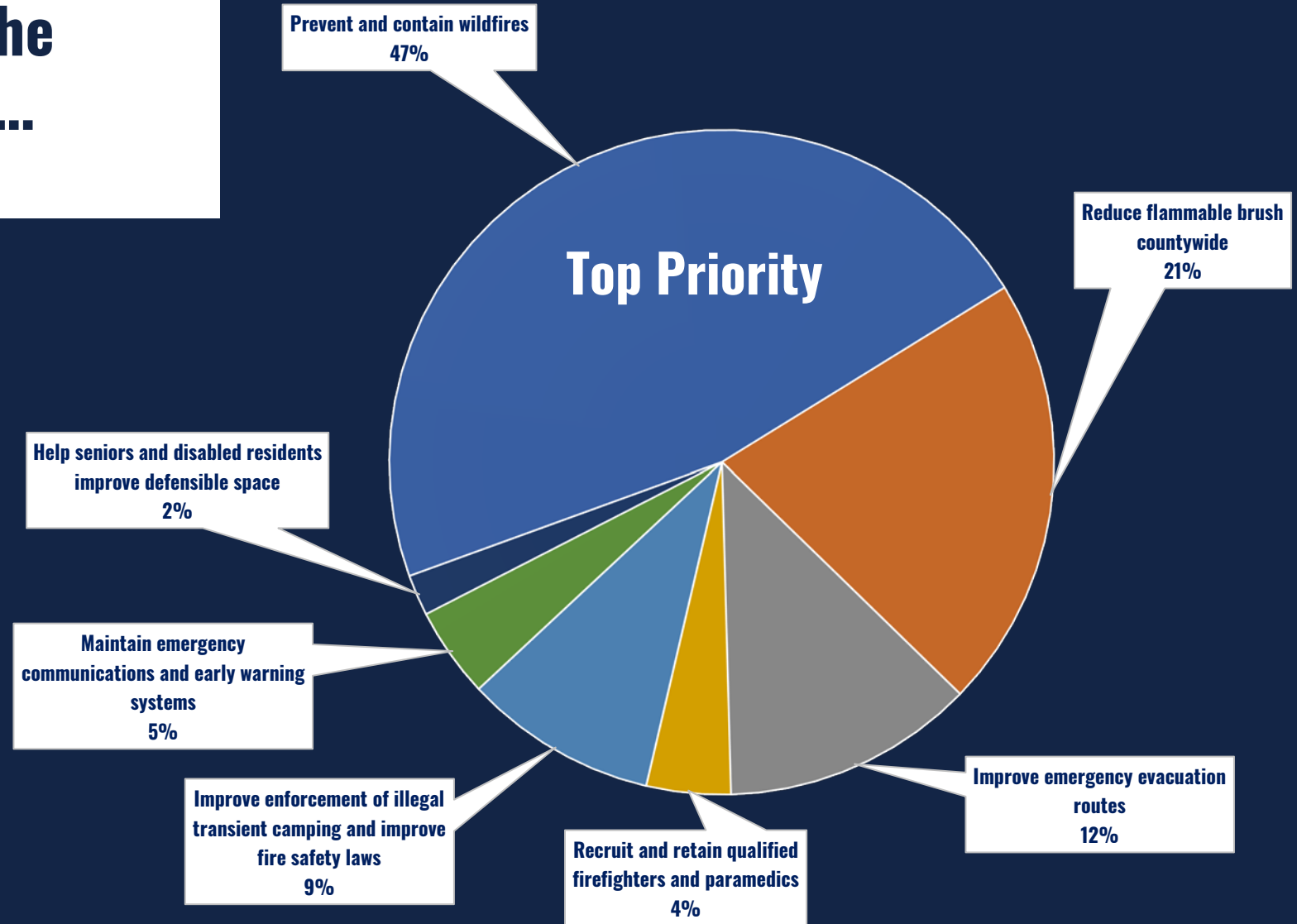
tying OES work together

Protection of Life and Property





OES takes the lead from the community...



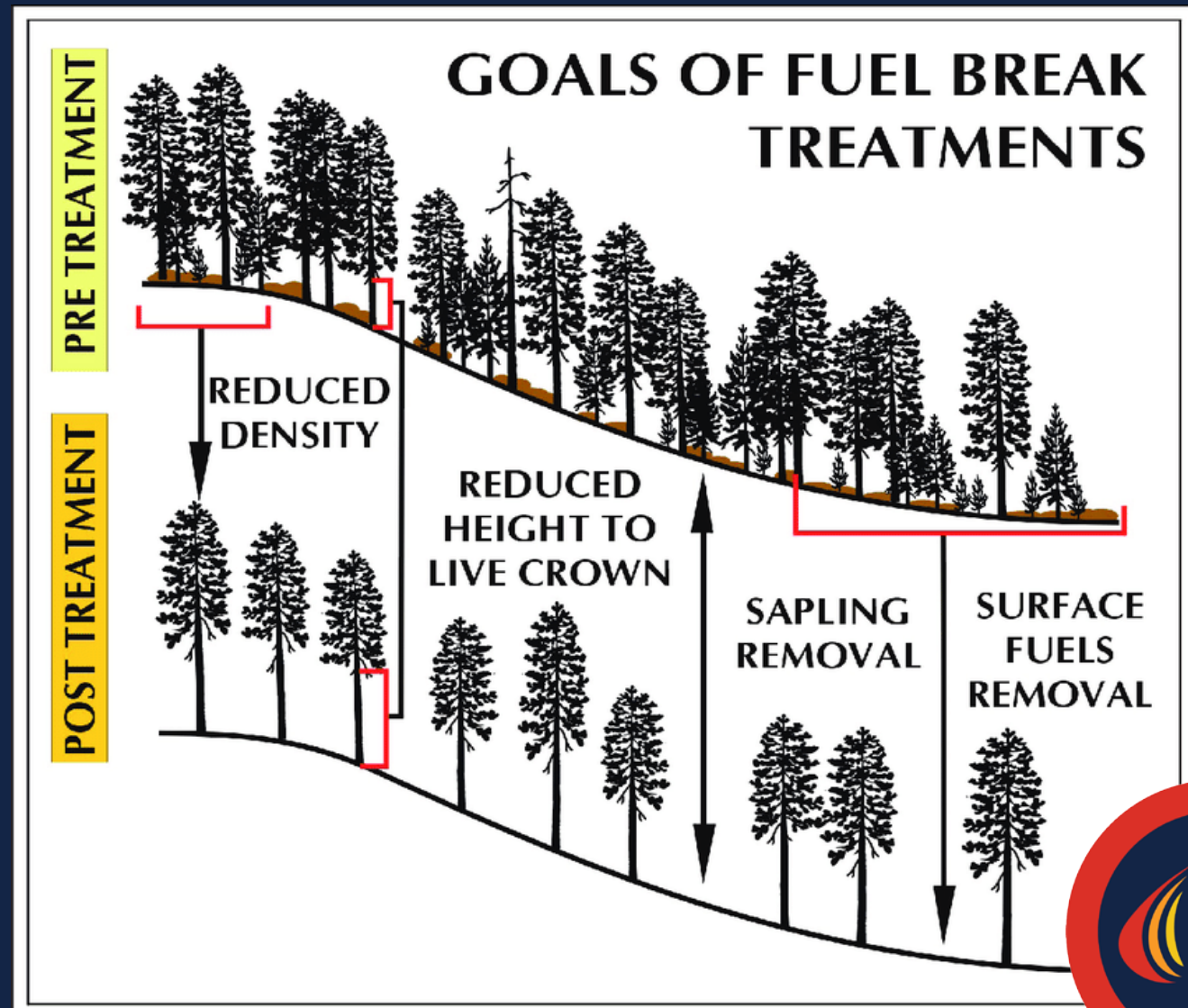
Prevent and Contain Wildfires: Shaded Fuel Breaks

Shaded Fuel Breaks Reduce:

- The number of trees (stand density)
- The height to live tree-tops (live crown)
- The number of little trees (saplings)
- The amount of brush (surface fuels)

Shaded Fuel Breaks Are Not Fire Breaks:

- They are NOT areas where all vegetation has been removed down to mineral soil



How Many Are Needed?

CAL FIRE has identified 9 priority shaded fuel break projects comprising ~9,000 acres in Western Nevada County.

In Eastern Nevada County an additional 9 projects comprising 9,000 acres have been identified by local fire experts.

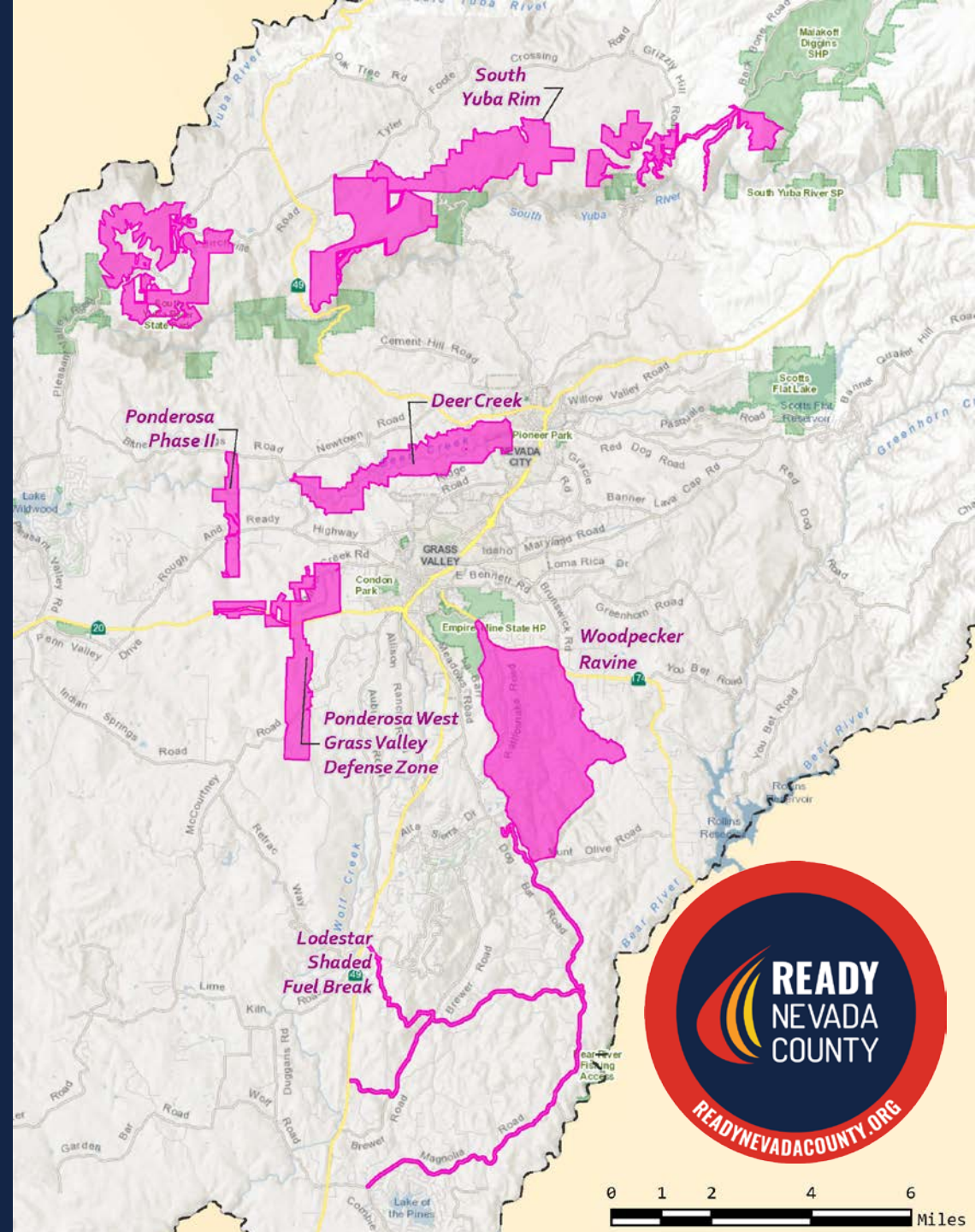


At 4,000 per acre that is \$72 million in work that needs to be done. Whew! That is a lot of grants!

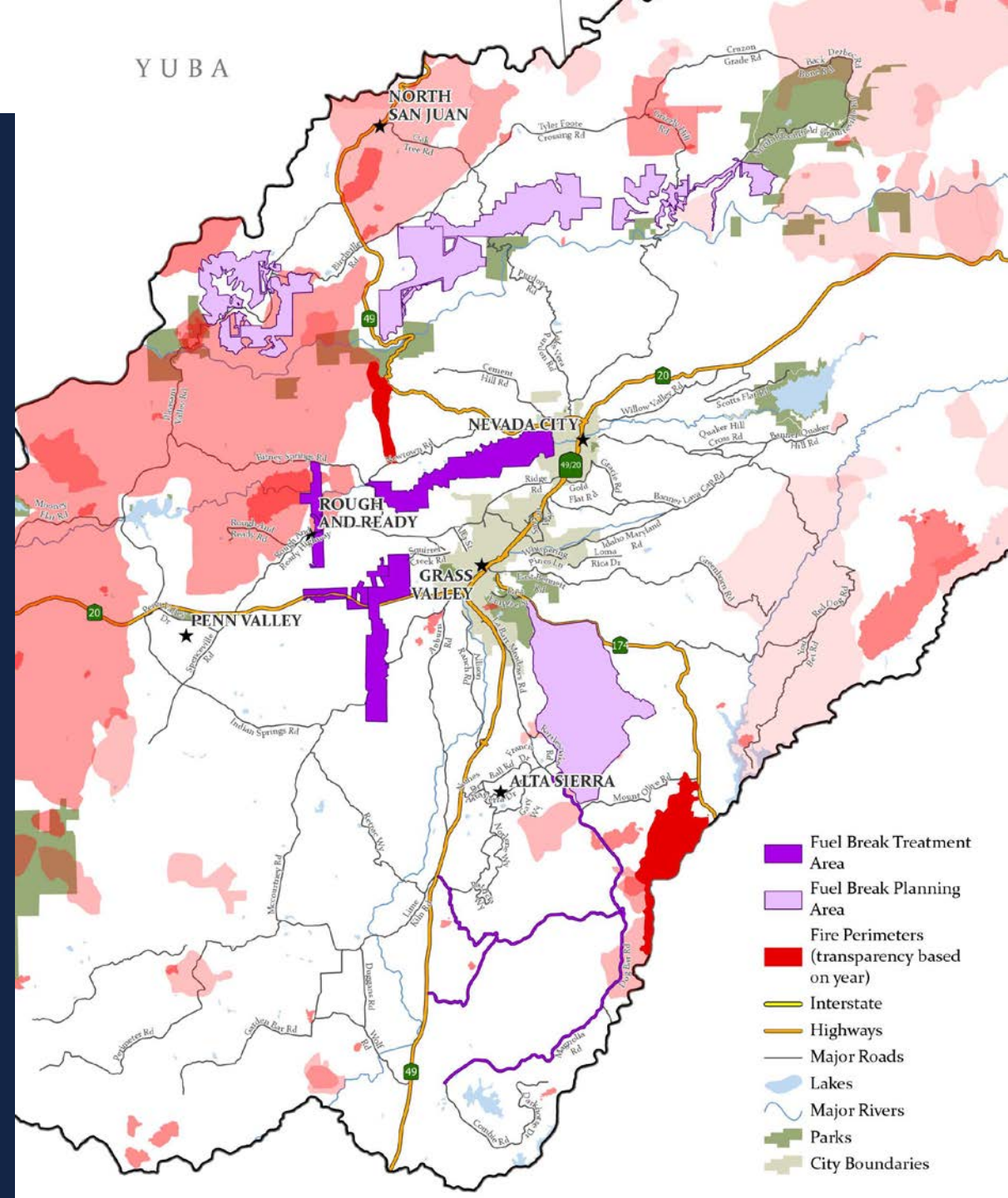


Priority Shaded Fuel Breaks

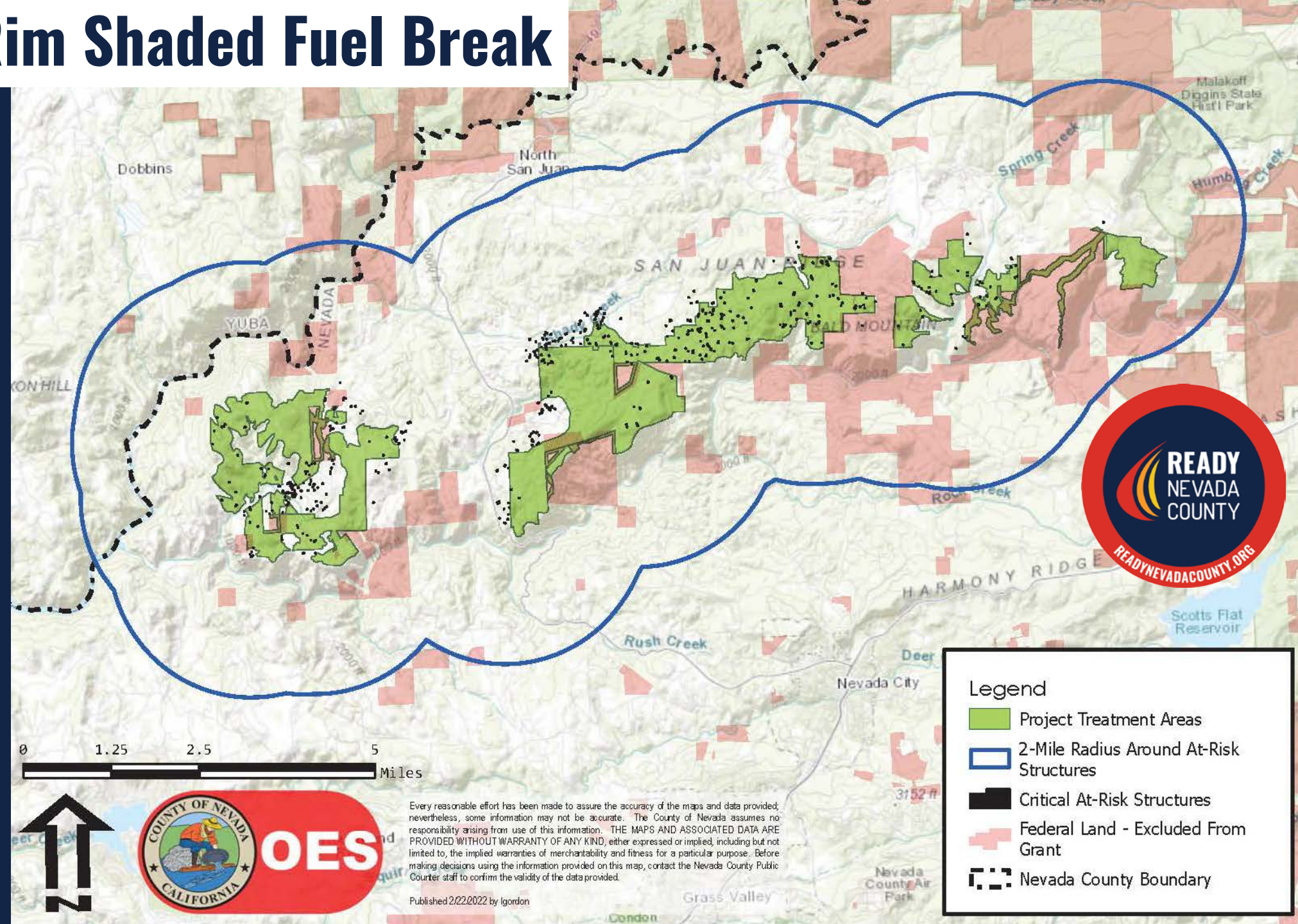
1. **South Yuba Rim:** 6,000 acre planning area, ~800-acre treatment. FEMA HMGP & SNC proposals under review.
2. **Deer Creek:** 1,600 acres. FEMA HMGP proposal under review (Fire Safe Council of Nevada County is the applicant).
3. **Ponderosa Phase 2:** 600 acres. FY22 Congressionally Directed Spending and County match are secured.
4. **Ponderosa Phase 1:** 1,087 acres. CAL FIRE grant closed out March 15, 2022; FY23 Congressionally Directed Spending request for maintenance has advanced to budget.
5. **Woodpecker Ravine:** 414 acres. CAL FIRE funding is secured. Estimated start is October 2023.
6. **South County:** 339 acres. CAL FIRE funding is secured. Estimated start is October 2022.



Fire History and Priority Projects

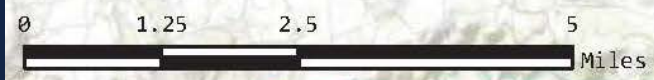


South Yuba Rim Shaded Fuel Break



Legend

- Project Treatment Areas
- 2-Mile Radius Around At-Risk Structures
- Critical At-Risk Structures
- Federal Land - Excluded From Grant
- Nevada County Boundary

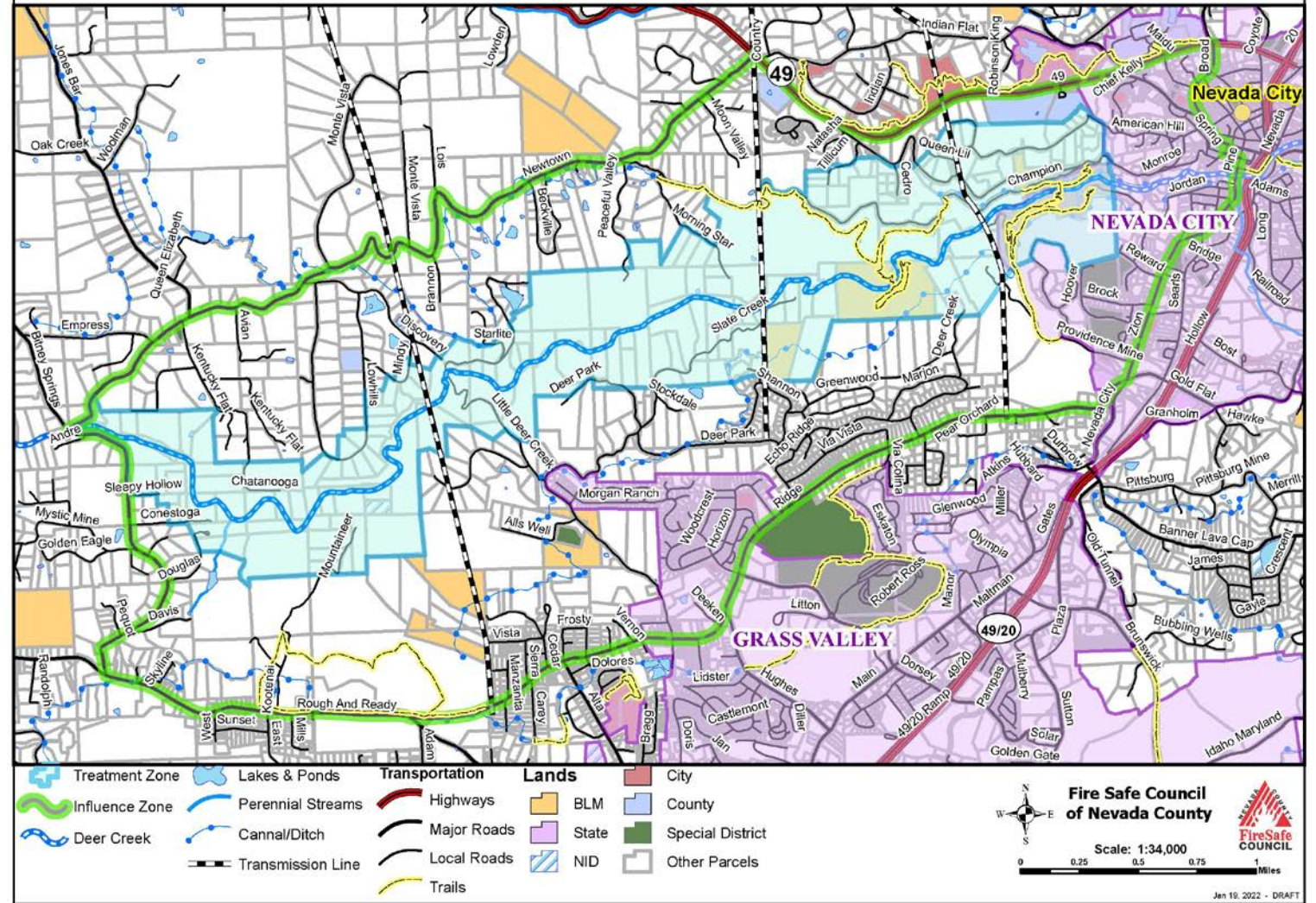


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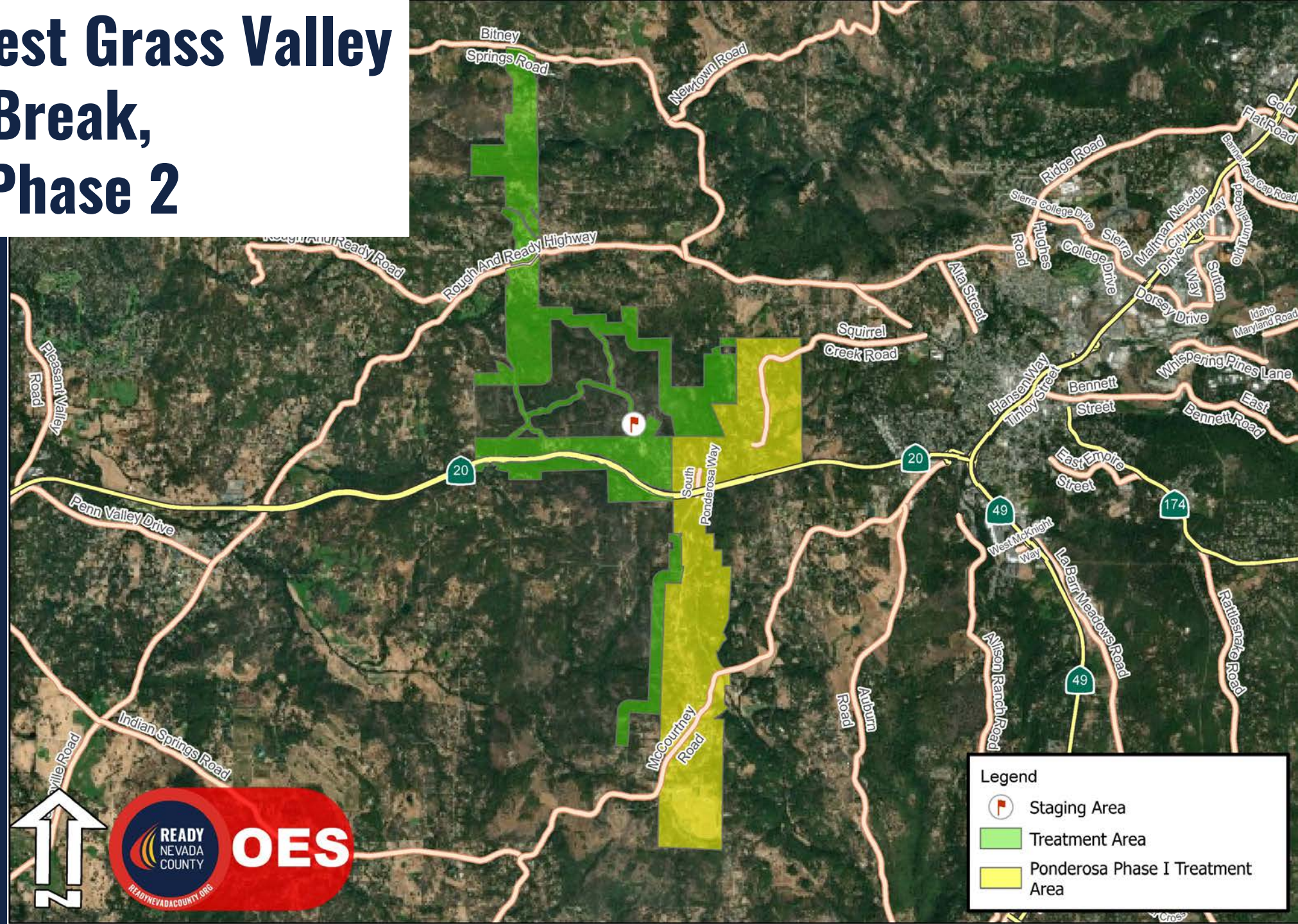
Deer Creek Shaded Fuel Break

Deer Creek Drainage - Fuelbreak Planning - DRAFT



Fire Safe Council of Nevada County
 Scale: 1:34,000
 0 0.25 0.5 0.75 1 Miles

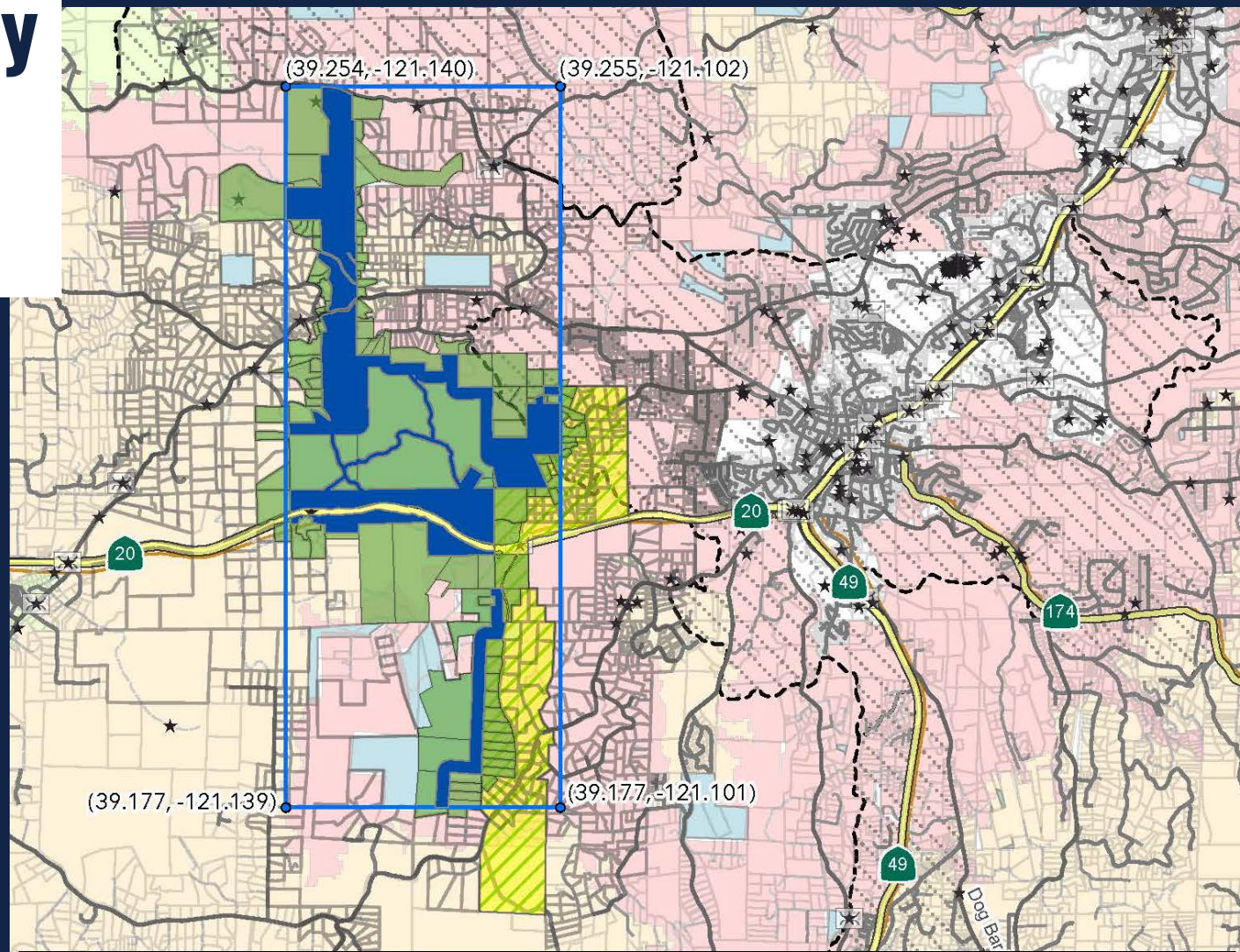
Ponderosa West Grass Valley Shaded Fuel Break, Phase 1 and Phase 2
















Legend

- Staging Area
- Treatment Area
- Ponderosa Phase I Treatment Area

Ponderosa West Grass Valley Shaded Fuel Break, Phase 1 and Phase 2

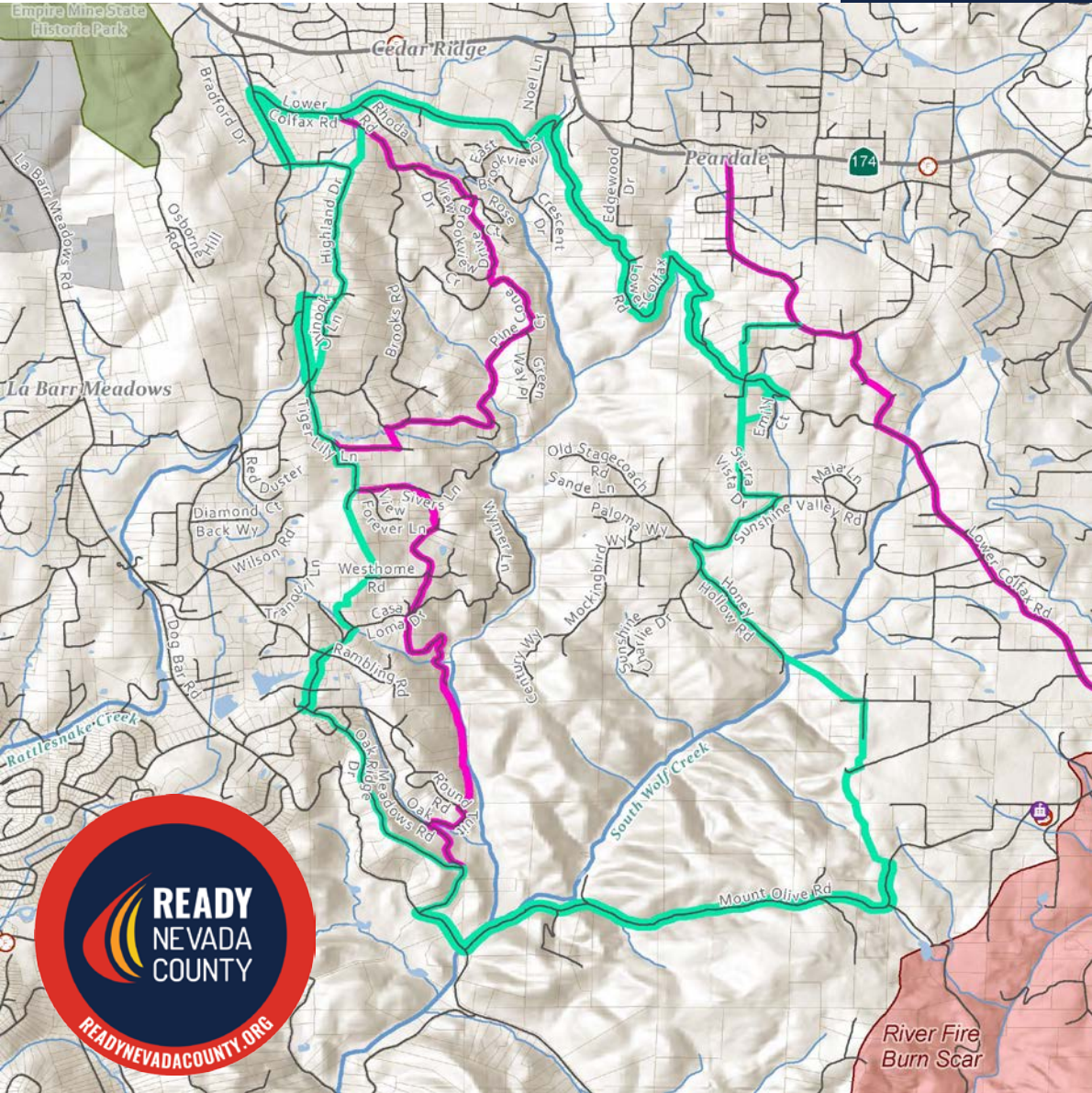


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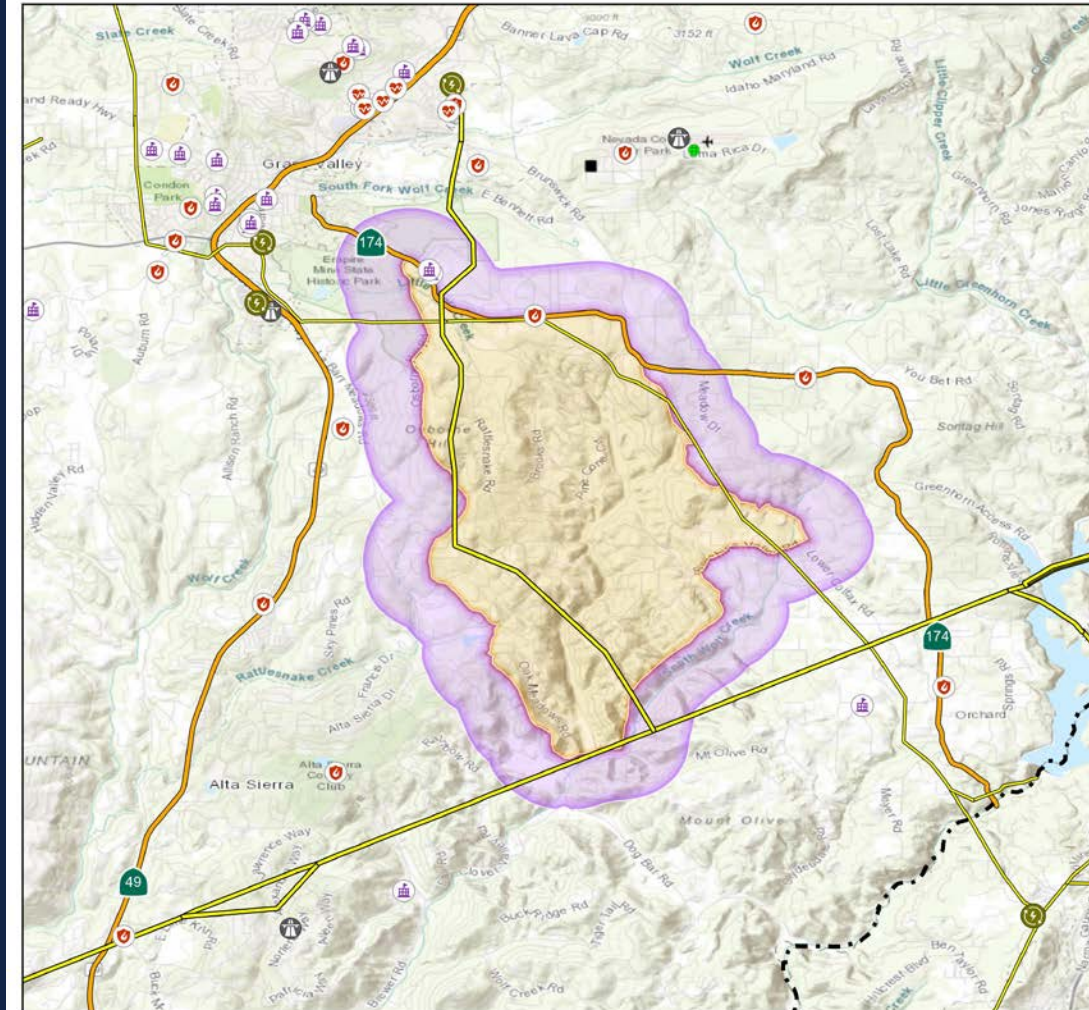
- | | | |
|--|--|---|
|  Treatment Area |  Parcels within 1.25 miles with >\$10,000 improved value (2162) |  SRA Fire Hazard: Very High |
|  Project Points |  All other parcels |  SRA Fire Hazard: High |
|  Project Envelope |  Critical Infrastructure |  SRA Fire Hazard: Moderate |
|  Ponderosa Phase I Treatment Area |  AB 1550 - Low Income Areas |  Federal Responsibility Area |
|  Intersecting Parcels | | |



Woodpecker Ravine Shaded Fuel Break



Woodpecker Ravine Fuel Modification & Wildfire Resilience Zone - Critical Infrastructure

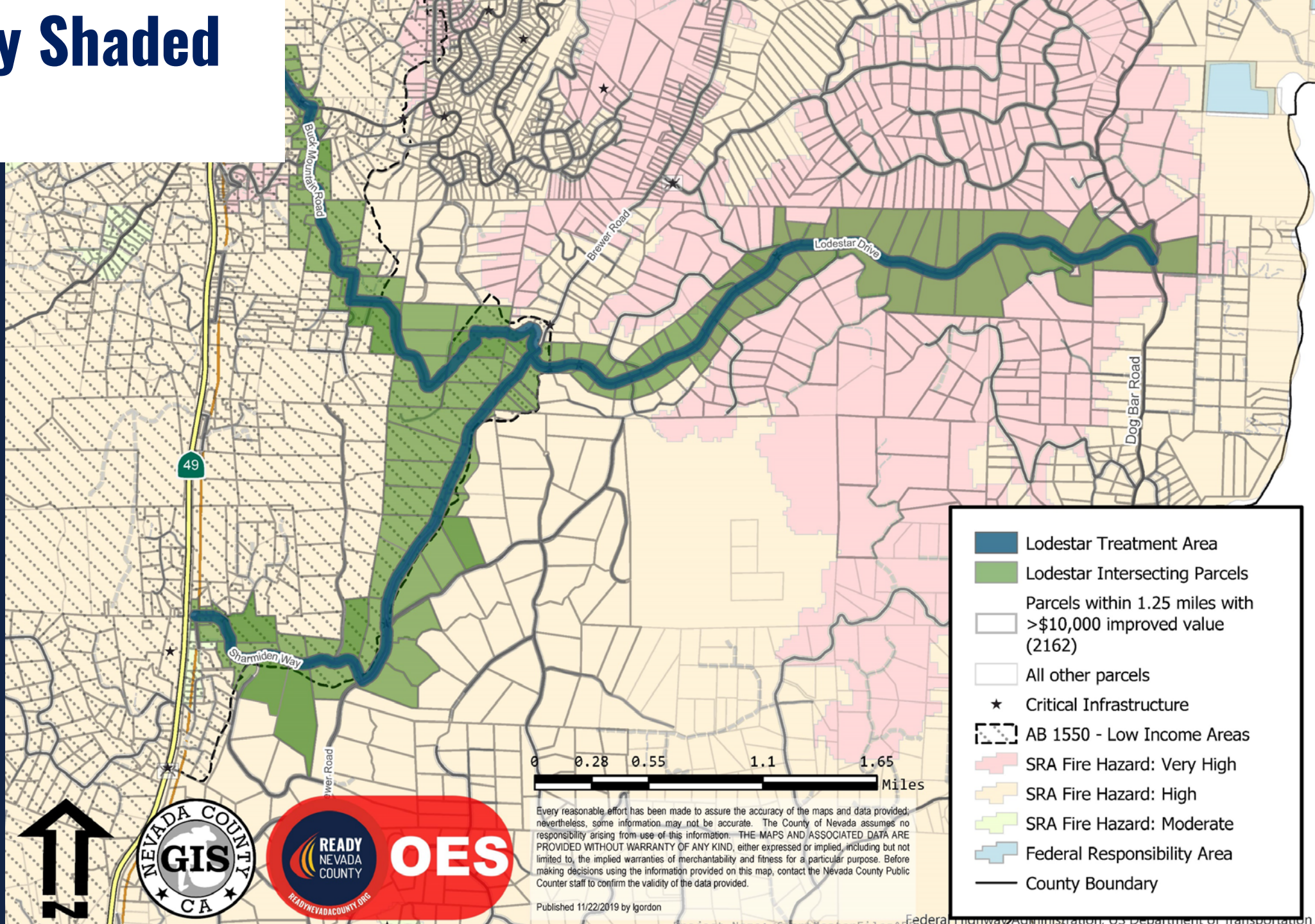


Legend

- | | | | |
|--|-------------------------------|-------------------|--------------------------------------|
| Woodpecker Ravine Fuel Modification Zone & Structure Hardening | Critical Lifelines - Highways | Energy | CAL FIRE Facilities |
| Wildfire Resilience Zone | Powerlines | Health & Medical | Air Attack Base |
| County Boundary | 110V - 161V | Transportation | Equipment Facility |
| | 33V - 92V | School | Interagency Emergency Command Center |
| | | Safety & Security | |



South County Shaded Fuel Break

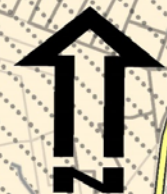


- Lodestar Treatment Area
- Lodestar Intersecting Parcels
- Parcels within 1.25 miles with >\$10,000 improved value (2162)
- All other parcels
- Critical Infrastructure
- AB 1550 - Low Income Areas
- SRA Fire Hazard: Very High
- SRA Fire Hazard: High
- SRA Fire Hazard: Moderate
- Federal Responsibility Area
- County Boundary



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Maintenance Pays!



Scenario 1: Routine Maintenance

Year 1, Implementation
\$4,000 per acre



Year 3, Maintenance
\$1,000 per acre



Year 6, Maintenance
\$500 per acre



→ ~\$8,000 per
acre over 20
years

Scenario 2: Periodic Re-Implementation

Year 1, Implementation
\$4,000 per acre



Year 6, Implementation
\$4,000 per acre



Year 11, Implementation
\$4,000 per acre



→ ~\$20,000 per
acre over 20
years



**NEVADA
COUNTY**
CALIFORNIA



Questions?

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