

The following is the Public Safety Specialist Evaluation of Fuels, Weather, Topography, Fire History, Ingress/Egress, and Critical infrastructure within the proposed project area.

<b>PM:</b> 35607308, 35607312	<b>Project Name:</b> ALLEGHANY 1101SC 1101/2, ALLEGHANY 1101804	
<b>PSS:</b> [REDACTED]	<b>Region:</b> NV/Sierra	<b>City:</b> Downieville / Sierra City
<b>CPUC HFTD Tier:</b> 2 and 3	<b>Division:</b> Sierra	<b>County:</b> Sierra

**PSS Summary:** Provide your expert opinion relative to the proposed scope alternatives given consideration to the categories noted below.

### Summary:

This project is in an area needing the work outlined in both proposed options. As the qualified Public Safety Specialist for the Sierra Division, responsible for Sierra County, as referenced below and based on weather history, fire history and routes of egress and ingress I Recommend a hybrid approach as outlined in the PSS supported Google Earth KMZ. Note: Tap lines and service drops need to be included in the undergrounding plan when crossing State HWY49 because of potential egress and ingress concerns.

### Fuels, Weather, Topography:

**Explain how fuels, weather, and topography can impact the scope of this project area.**

- FUELS:** The mid-elevations (2,500 to 6,500 feet) are dominated with Mixed Conifer (ponderosa pine, Douglas-fir, white fir, incense cedar, and sugar pine with California black oak as a major hardwood associate. Often the understory includes brush species found in the Montane Chaparral (whitethorn, snowbrush ceonothus, greenleaf manzanita, other associated manzanita species, and bittercherry). Mid-elevation Mixed Conifer may be heavier to a single species such as Douglas fir at the lower elevations and in draws, ponderosa pine on ridges or were established in plantations, and white fir/incense cedar where selective logging removed the other species and allowed the shade tolerant residuals to get established.
- WEATHER:** Summer temperatures average from nighttime lows in the 50's and daytime highs reaching 90-100 degrees Fahrenheit. Afternoons typically experience a diurnal westerly delta influenced upcanyon 6-10 MPH wind pattern. Occasionally this region will experience the development of a high-pressure gradient producing hot dry north winds averaging 10-40 MPH.

- **TOPOGRAPHY:** The project area progresses from an elevation of 2966 feet in Downieville to 5407 feet in Sierra City. Steep rugged mountainous terrain. Project location is located adjacent to a lightly traveled dirt ridgetop road.

**Fire History:** Consider fire history from year 1990 to current:

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- Indian Fire (2011), 13 acres (lightning)
- Yuba River Complex (2008), 245 and 189 acres (multiple fires, cause lightning)
- Bassetts Fire (2006), 1371 acres
- Granite II (2002), 356 acres
- Hungry Fire (1996), 70 acres
- Buttes Fire (1990), 240 acres (lightning)
- **NOTE:** North Complex (2020) 258,355 acres two drainages to the north

**Routes of travel for first responders and evacuees if a fire happens:**

**Ingress and Egress:**

- State HWY 49 east and west (one way in and one way out). Project area is isolated to the North Yuba River drainage.

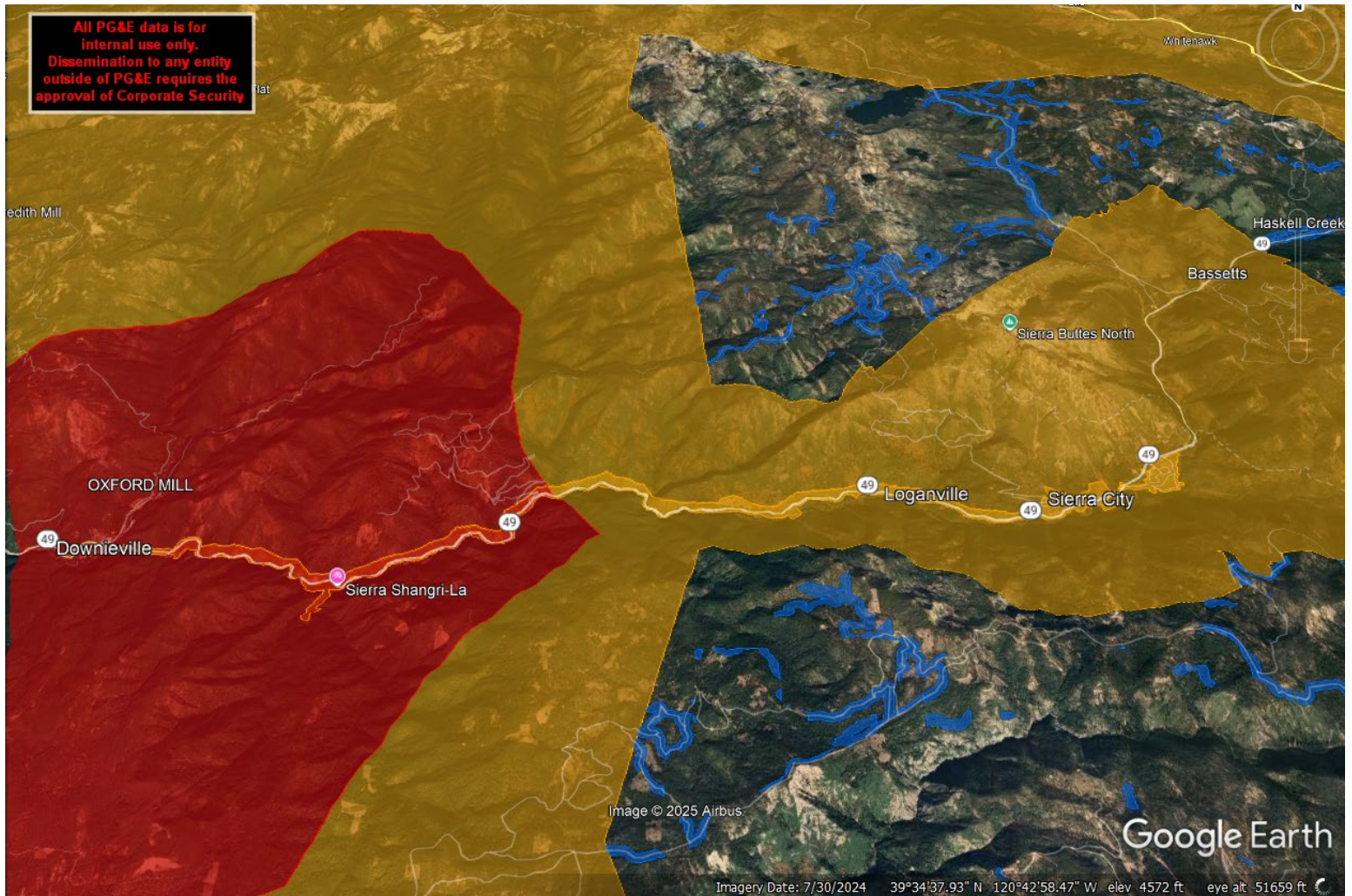
**Critical Customers/infrastructure located within the project area:**

**Critical Customer and Infrastructure:**

- Sierra County Government Center
- Colgate – Alleghany – 60KV)
- Downieville Fire Department
- Sierra City Fire Department
- Downieville USFS fire station
- Downieville Elementary and Highschool
- Verizon Cell Tower
- Sierra Pines Resort

## Attachments/Images:

### A) **Project Area** – Google Earth Image with Circuit and HFTD Tier 2 Tier 3 Overlay





## B) Egress and Ingress Routes

Figure 10: Primary roads for egress and ingress

Sierra County CWPP

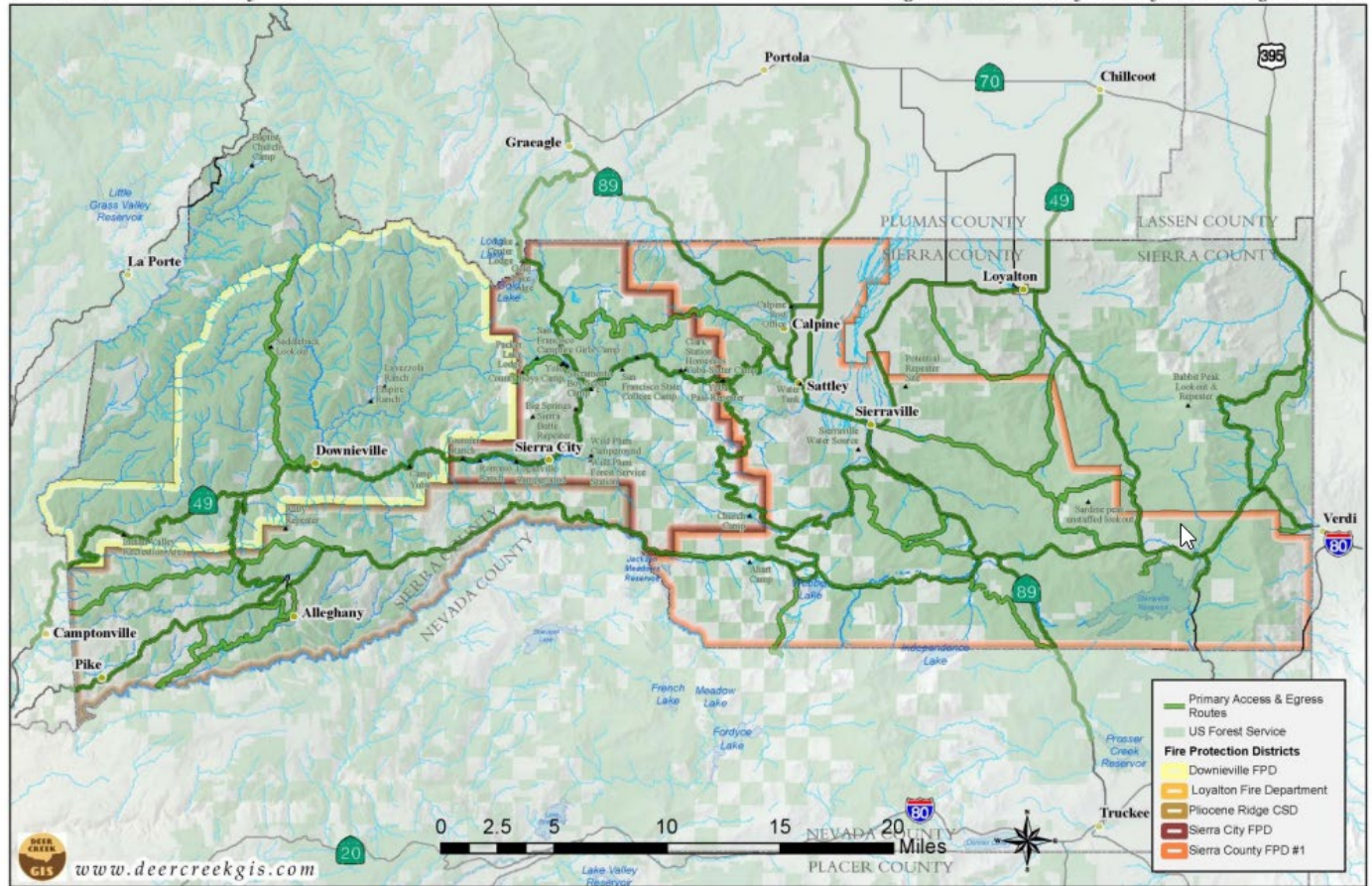
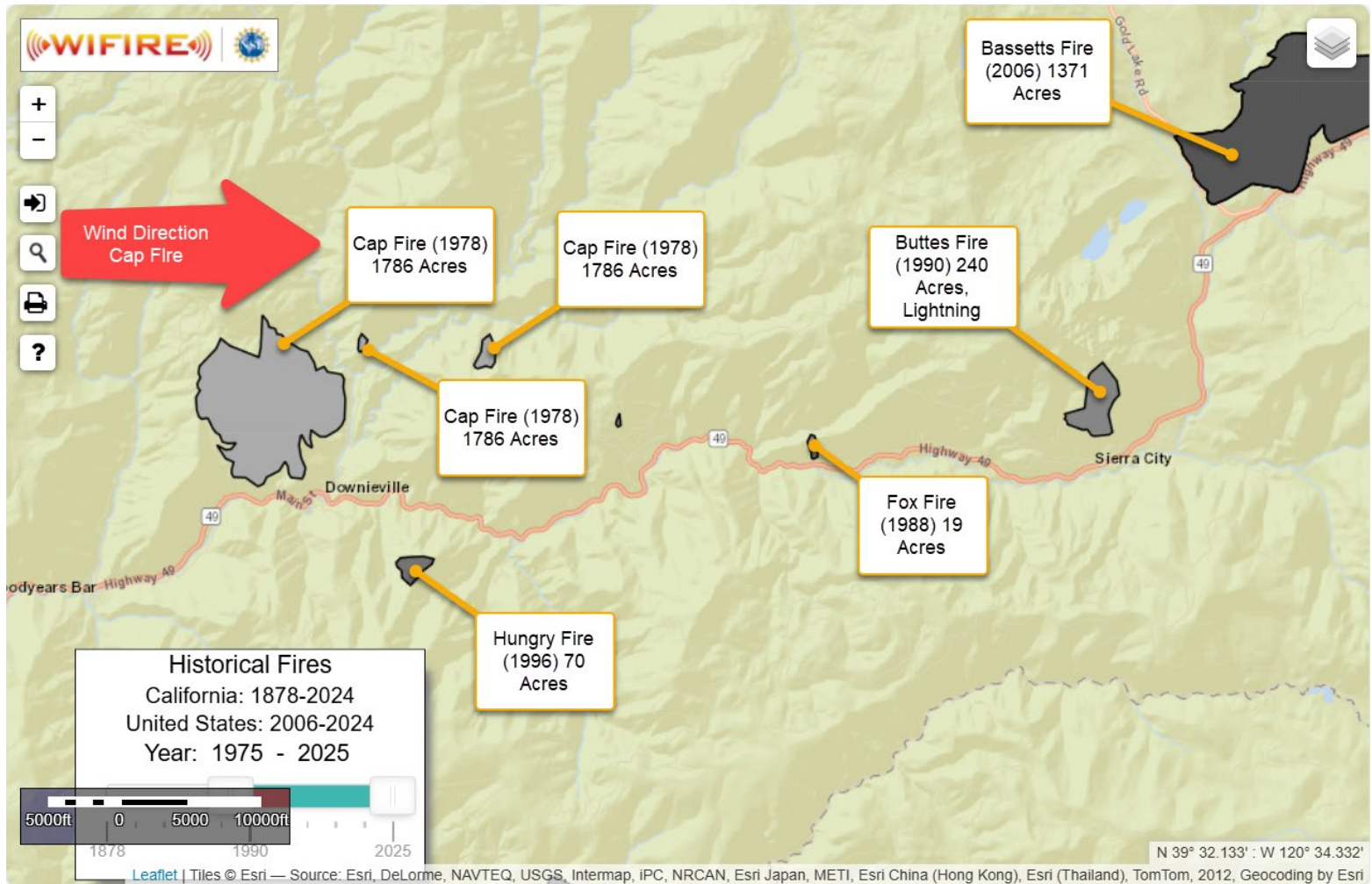


Figure 9: Sierra County Primary Access & Egress Routes



**Fire History** – Utilize either the CALTopo Fire Map at <https://caltopo.com/m/176F> or the WIFIRE Fire Map at <https://firemap.sdsc.edu/> to produce the fire history image.





Project area:

