

ACCG Planning WG Mapping Exercise: SLAWG GIS Tools & PODs

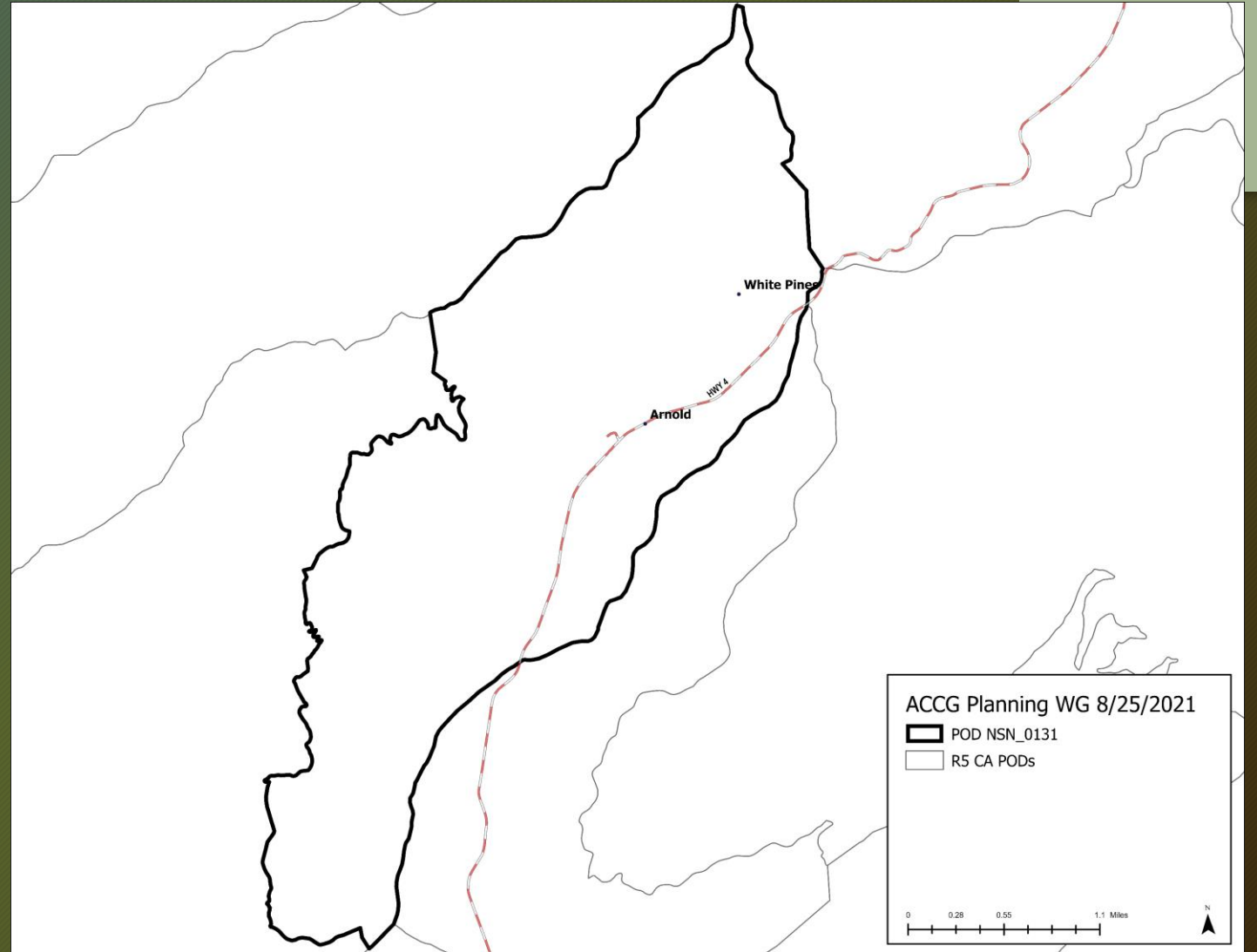
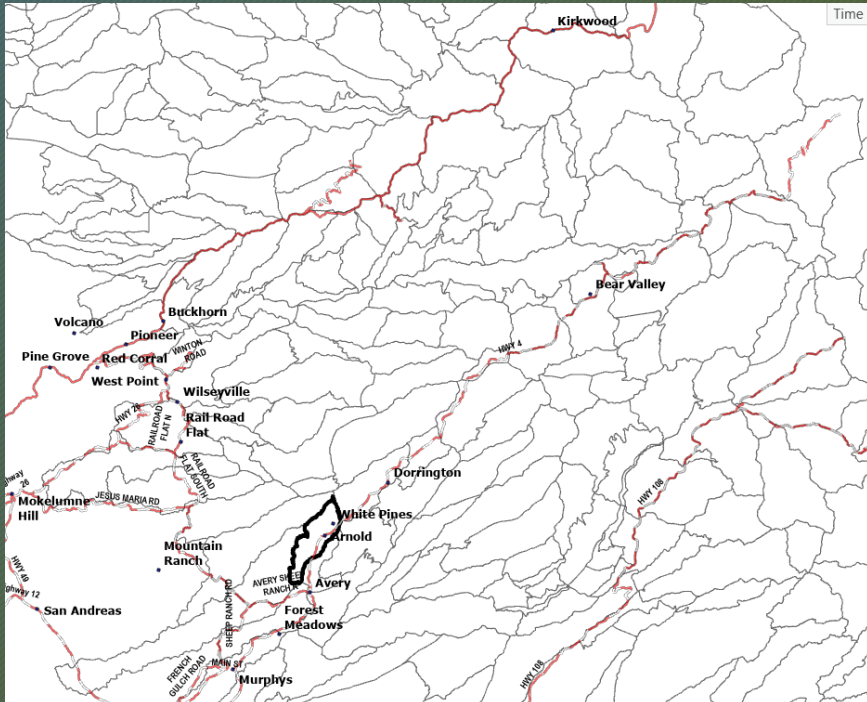
ACCG Planning WG Meeting
August 25, 2021

Goals of mapping exercise

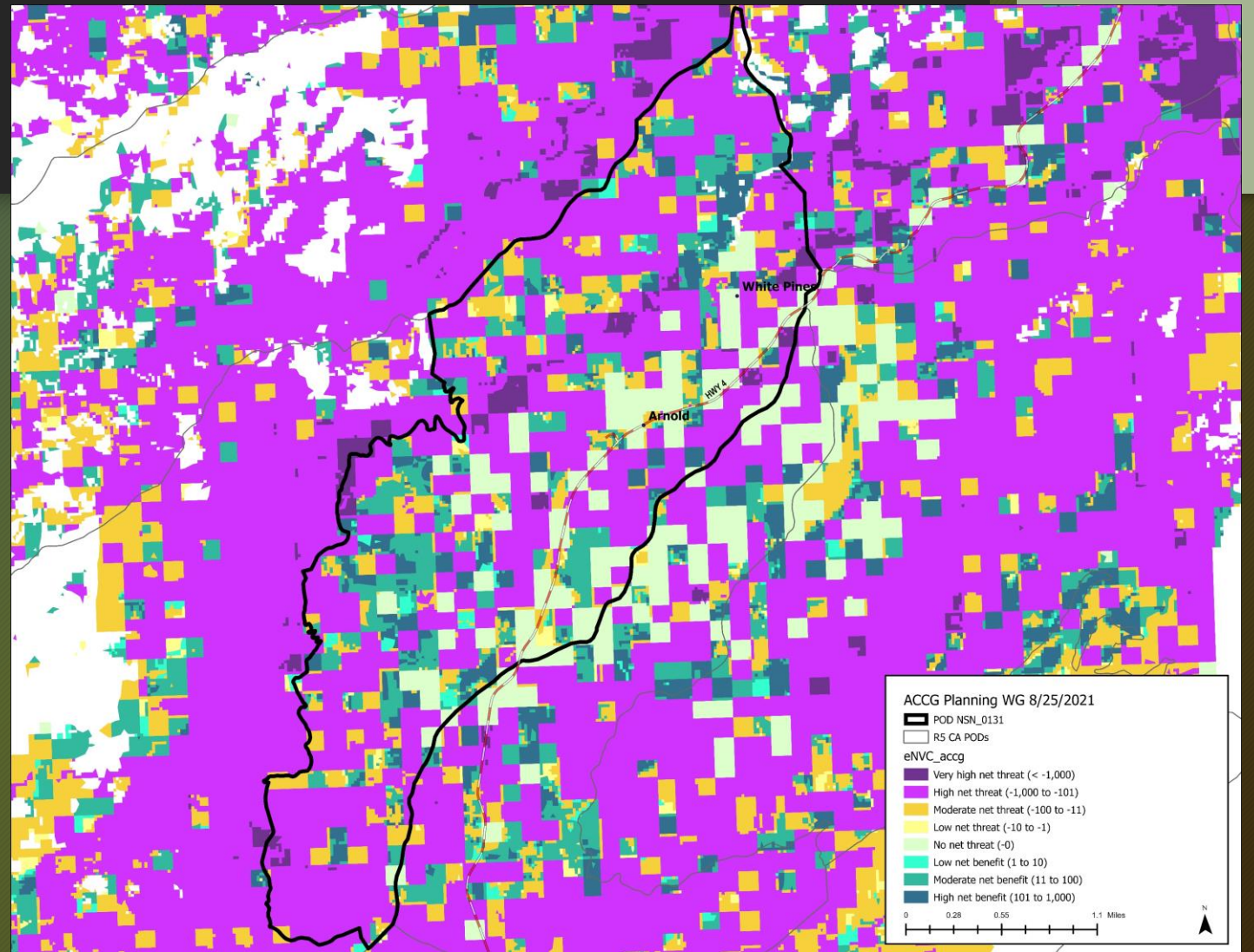
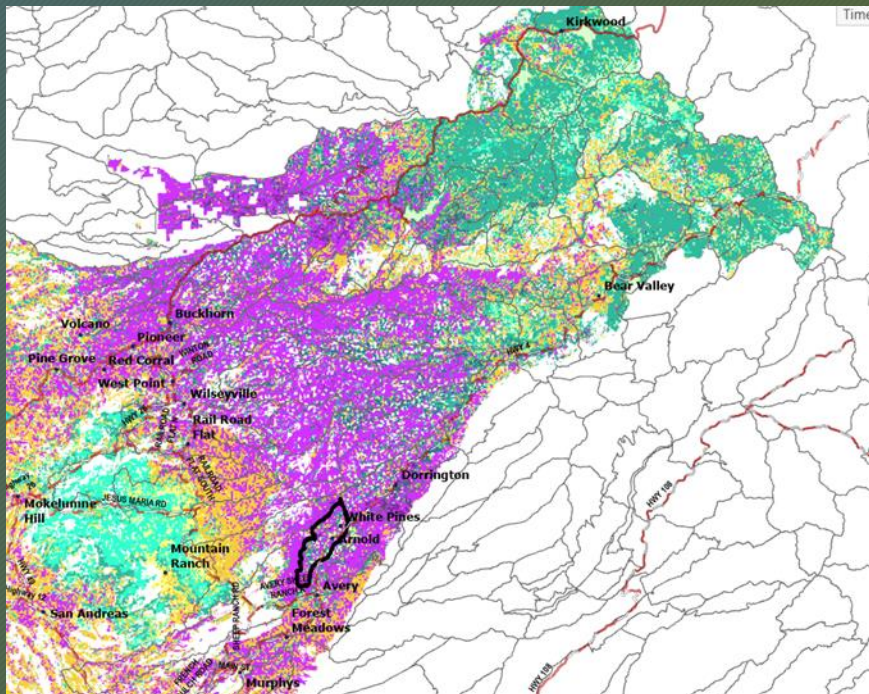
1. Summarize SLAWG risk assessment outputs by PODs
2. Priority POD refinement
3. Ground truth

Example scenario: R5 POD NSN_0131

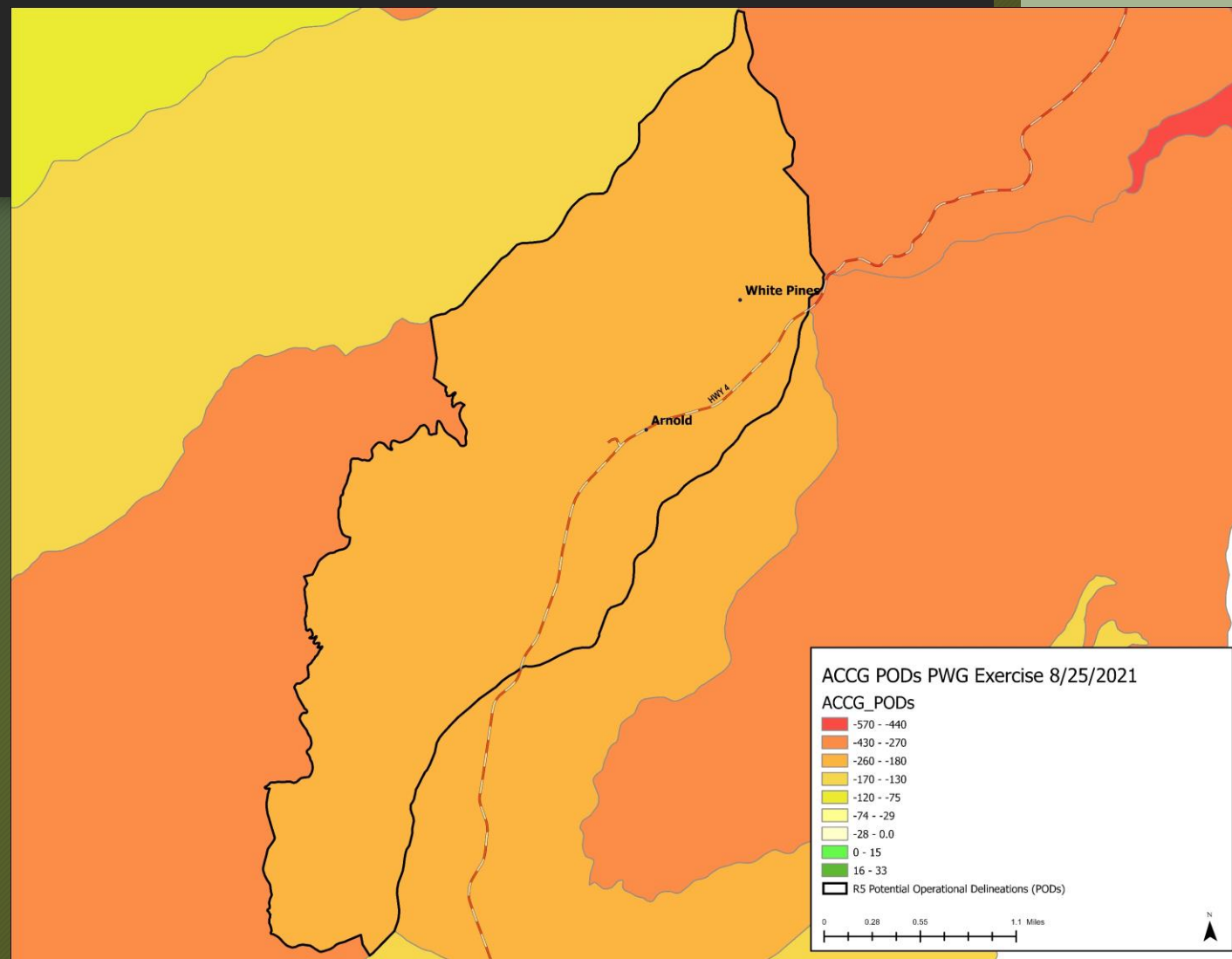
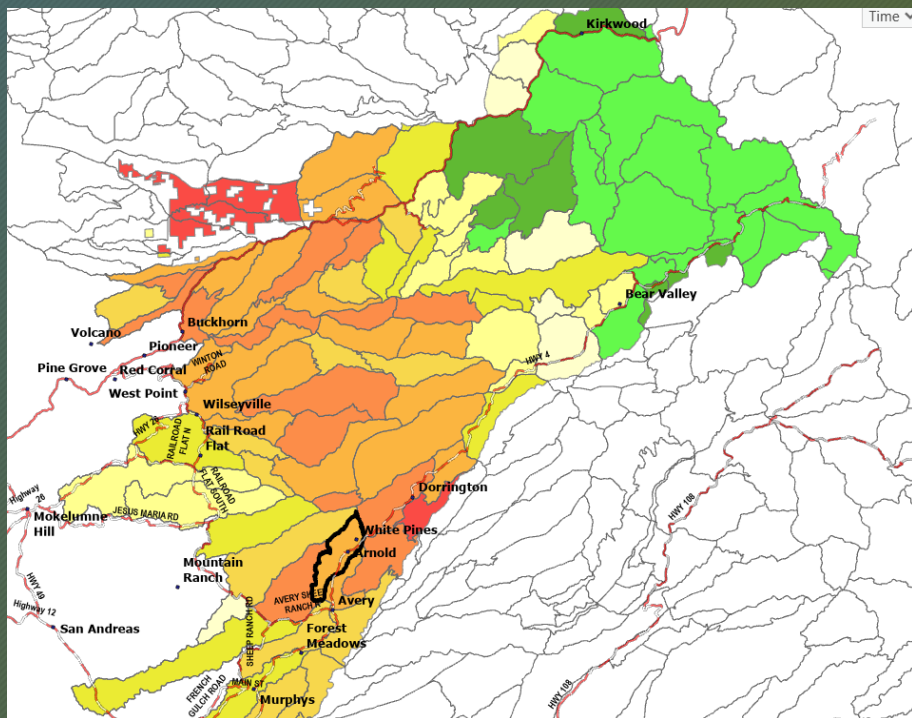
- Calaveras County
- Highway 4
- Calaveras RD



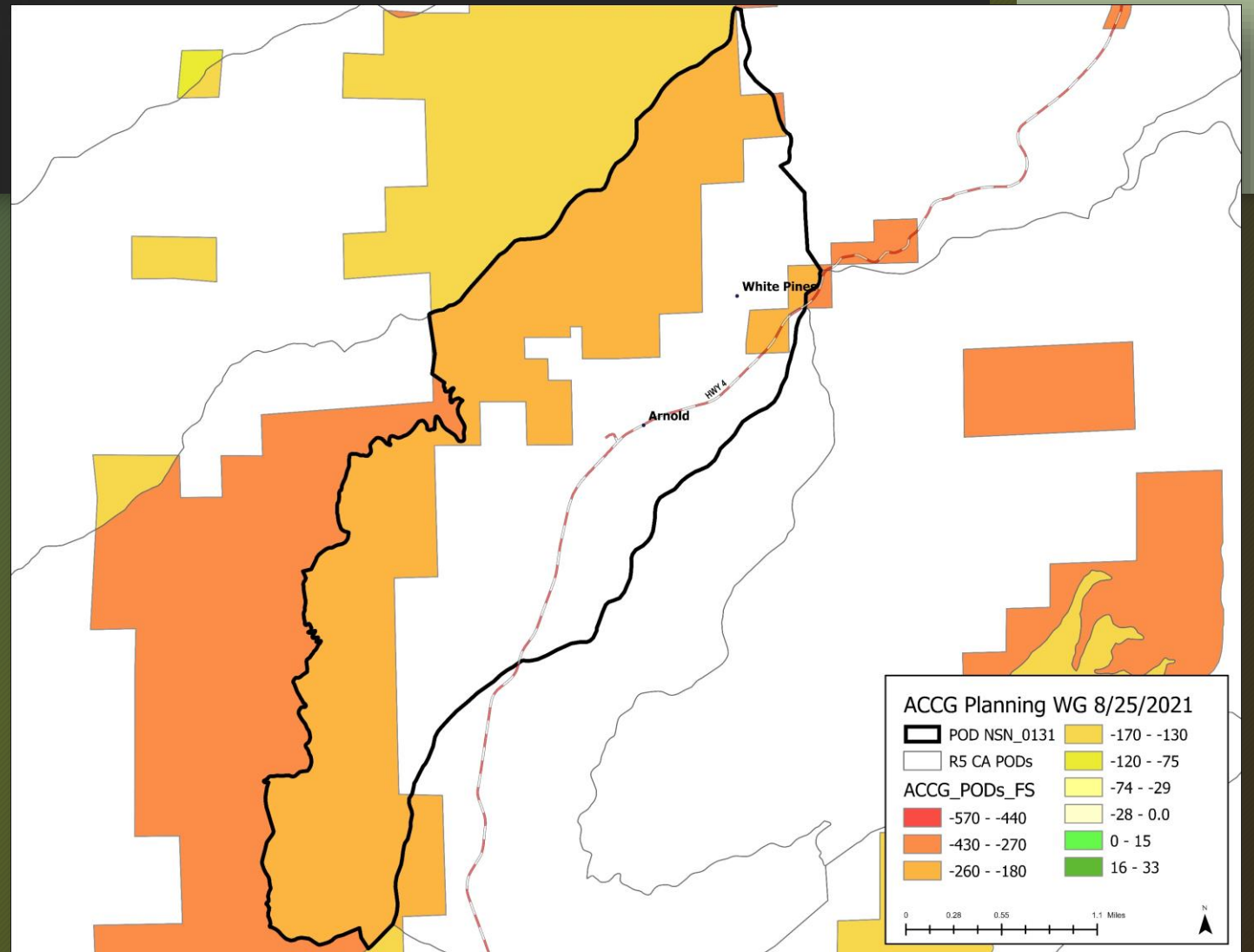
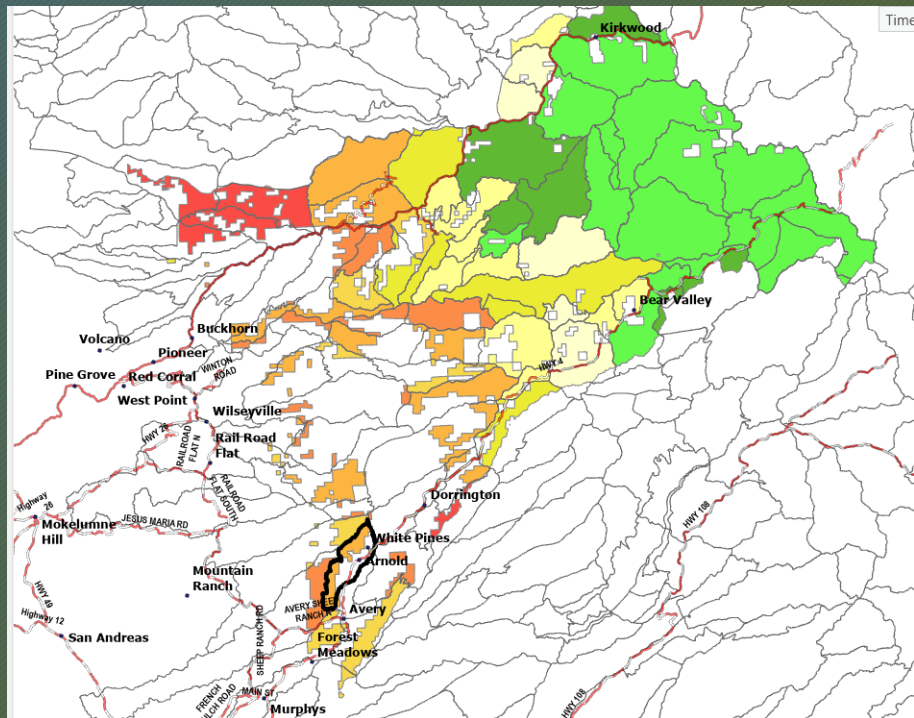
1a) Summarize by PODs: Overlay R5 PODs on SLAWG risk assessment output (eNVC).



1b) Summarize by PODs: Rank PODs by mean eNVC.

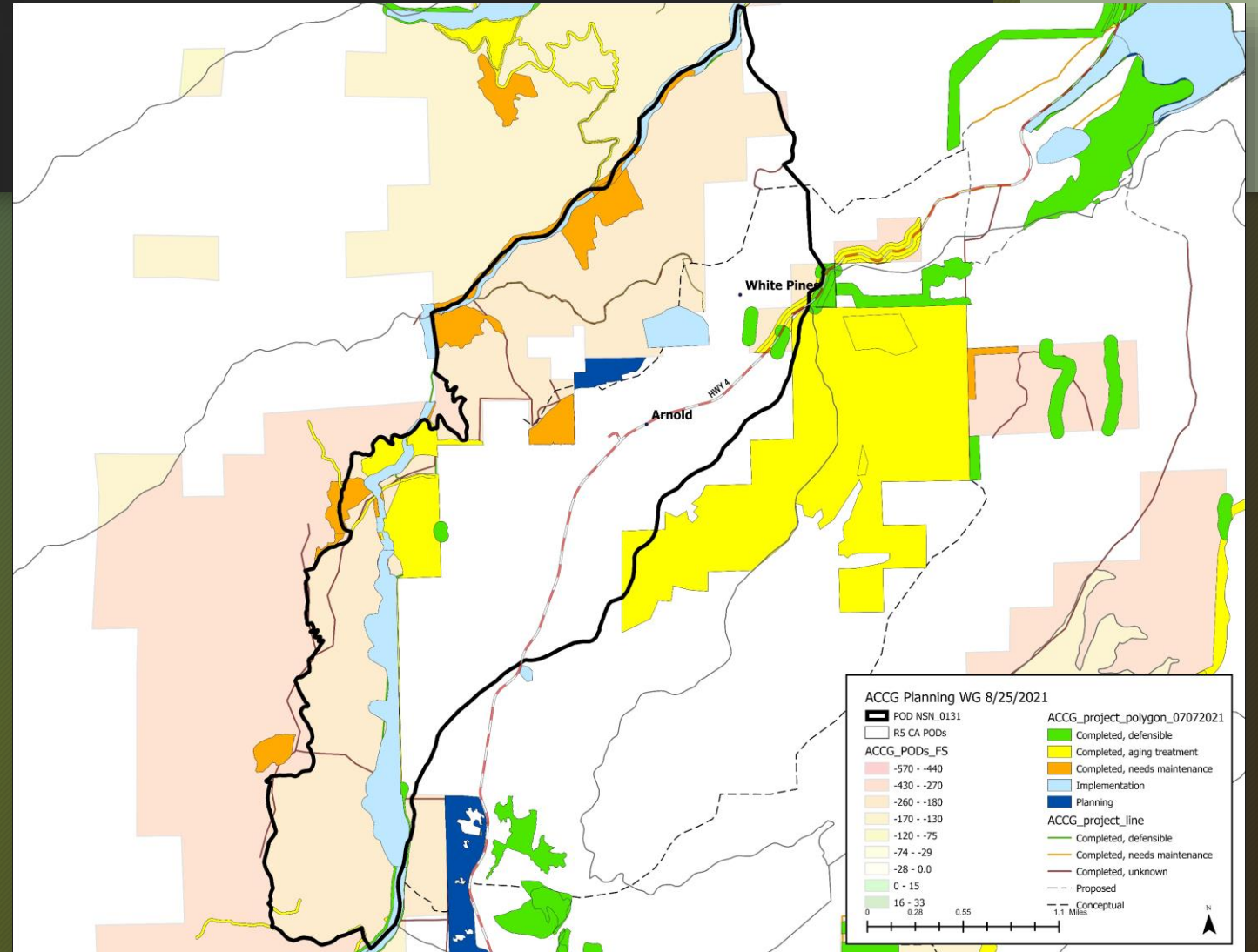


1c) Summarize by PODs: Clip ranked PODs to FS lands.



2) “Priority” PODs refinement:

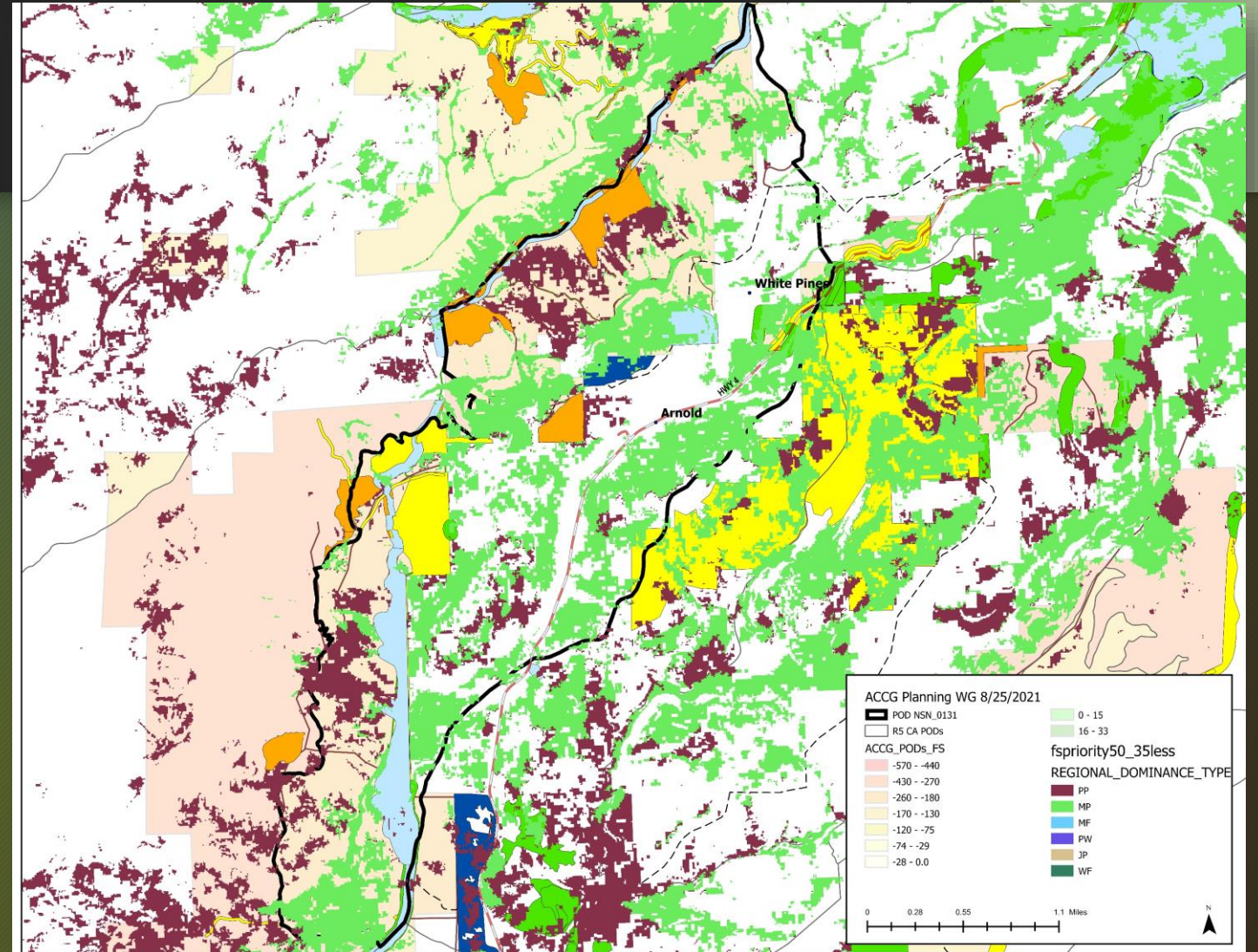
2a. Overlay SLAWG project inventory and visually assess project activity within PODs on FS lands.



2) “Priority” PODs refinement

2b. Overlay USFS R5 Priority Areas for Forest Treatments:

<https://www.fs.usda.gov/detail/r5/forest-grasslandhealth/?cid=fseprd583997>

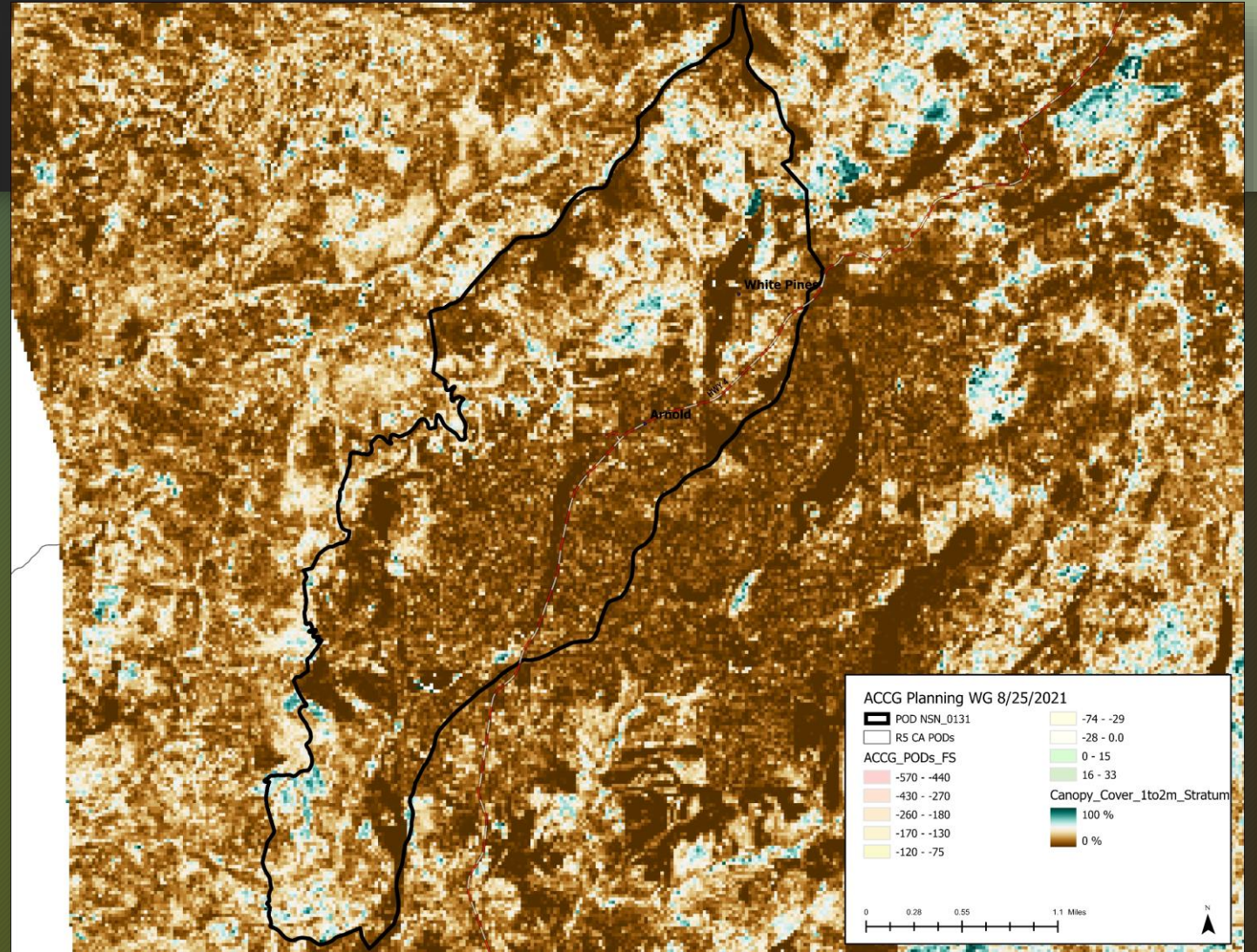
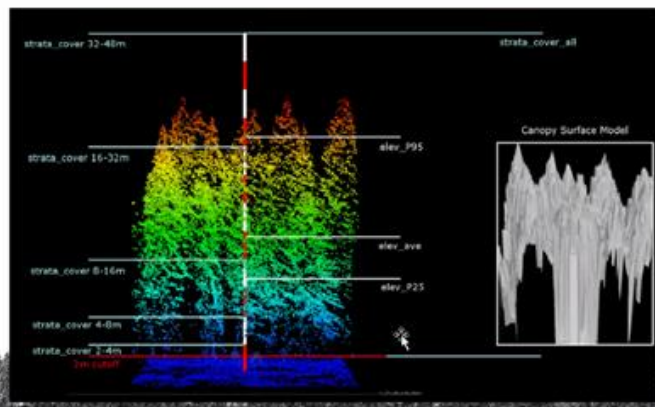


2) “Priority” PODs refinement

2c. LIDAR:

- ladder fuels (1-2m, 2-4m, 4-8m stratum of canopy cover)
- priority wildlife habitat (P_95_Canopy_Height)
- additional metrics...

Forest Measurement Examples



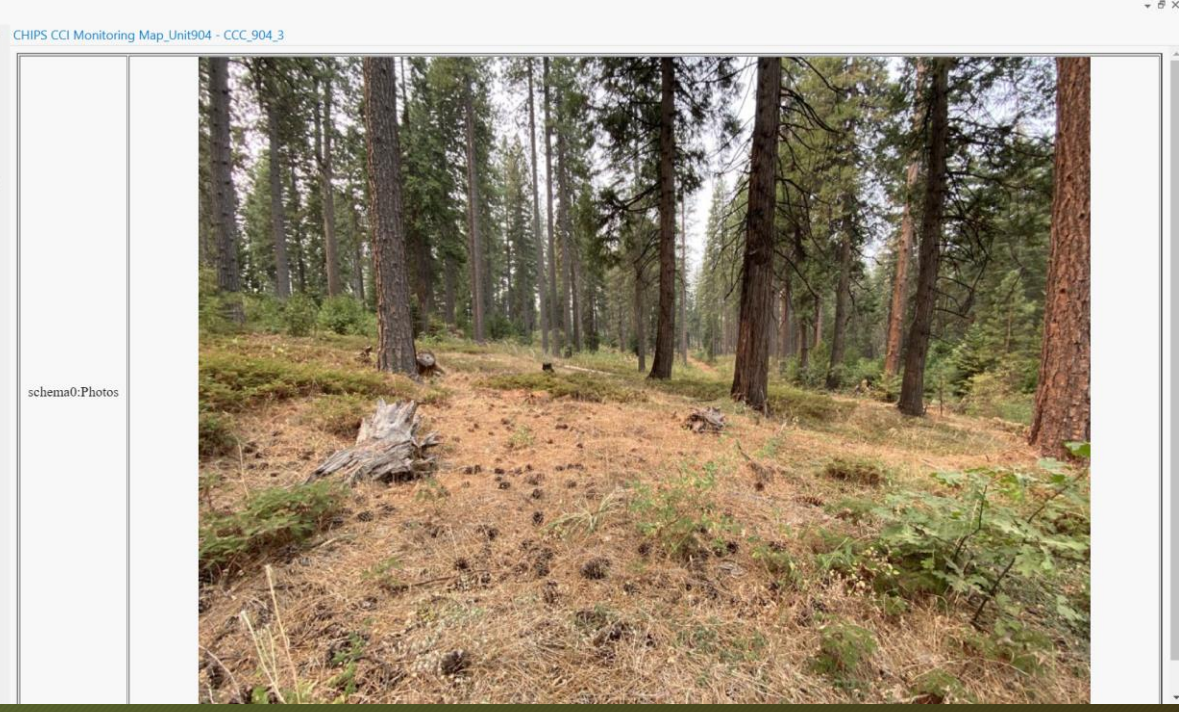
3) Ground truth

3a. Validate priority PODs and priority areas within PODs with District staff.

3b) Ground truth: Validate priority areas with LIDAR and field visits.

The screenshot shows the ArcGIS Desktop interface. The main map area displays a grid of brown and tan squares representing LIDAR canopy cover data. Two red location markers are visible: 'CCC_904_3' and 'CCI_904_2'. A black arrow points from 'CCI_904_2' on the map to the top-right photo, and another black arrow points from 'CCC_904_3' on the map to the bottom-right photo. The Table of Contents on the left lists several layers, with 'LIDAR' expanded to show various canopy cover strata. The 'Drawing Order' section shows the following layers from top to bottom: CHIPS CCI Monitoring Map_Unit904, POSTFIRE2021, Towns, Transportation - 24K Basemap select, POD NSN_0131, LIDAR (expanded), P95_Dominant_Canopy_Height, P25_Canopy_Base_Height, Canopy_Cover_1to2m_Stratum (with a color scale from 0% to 100%), Canopy_Cover_2to4m_Stratum, Canopy_Cover_4to8m_Stratum, Canopy_Cover_8to16m_Stratum, Canopy_Cover_16to32m_Stratum, Canopy_Cover_32to48m_Stratum, Canopy_Cover_48mplus_Stratum, R5 CA PODs, R5 Forest Health Priority Areas for Tr, and ACCG.project_polygon_07072021.

- CHIPS CCI Monitoring Map_Unit904 - CCC_904_3
- POD NSN_0131 (1)
- Canopy_Cover_1to2m_Stratum 1.127298
- Canopy_Cover_2to4m_Stratum 0.671835
- Canopy_Cover_4to8m_Stratum 0.394647
- R5 CA PODs (1)
- ACCG.project_polygon_07072021
- ACCG.PODs_FS (1)



- CHIPS CCI Monitoring Map_Unit904 - CCI_904_2
- POD NSN_0131 (1)
- Canopy_Cover_1to2m_Stratum 17.390289
- Canopy_Cover_2to4m_Stratum 25.495651
- Canopy_Cover_4to8m_Stratum 8.555980
- R5 CA PODs (1)
- ACCG.project_polygon_07072021
- ACCG.PODs_FS (1)

