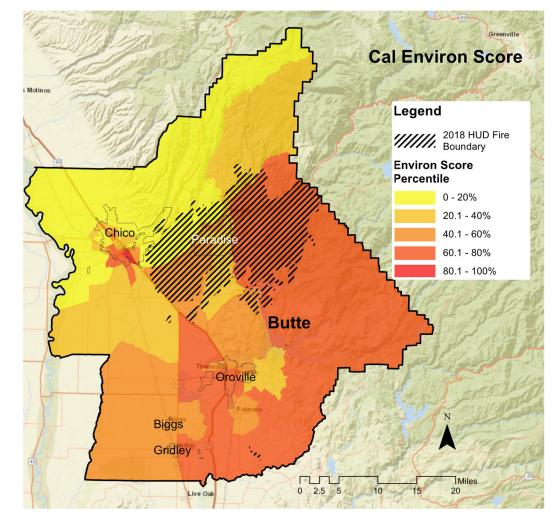
### **Appendix F: Equity Maps**

This appendix includes equity maps, prepared for the 2018 CDBG-DR Action Plan, as part of Action Plan Amendment, Number 1 (18DR-APA1). The following equity maps illustrate various demographics and environmental indicators to both understand who the 2018 fires impacted and who potential projects will impact. Each map below represents dynamic data that can be updated and overlaid to analyze future programs. The maps can be utilized to measure, track, evaluate, and adjust program outcomes to achieve the department's goal of achieving equity in the distribution of program benefits (and any burdens shall they arise).

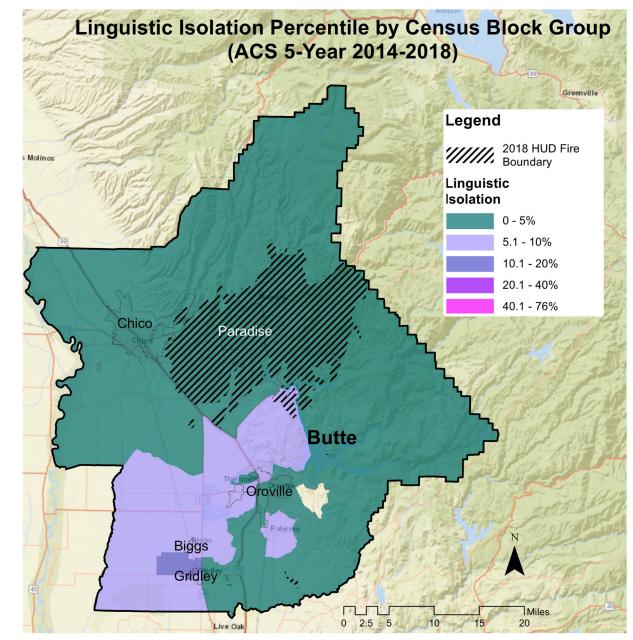
### **BUTTE COUNTY: CAL ENVIRONS MAP**

The Butte County Cal Environ score map shows a 60.1 – 80% score on the eastern and southern side of the county and the eastern side of the 2018 HUD Fire Boundary. Chico has a small portion on the southern side of the city which falls in the highest 80.1 - 100% range.



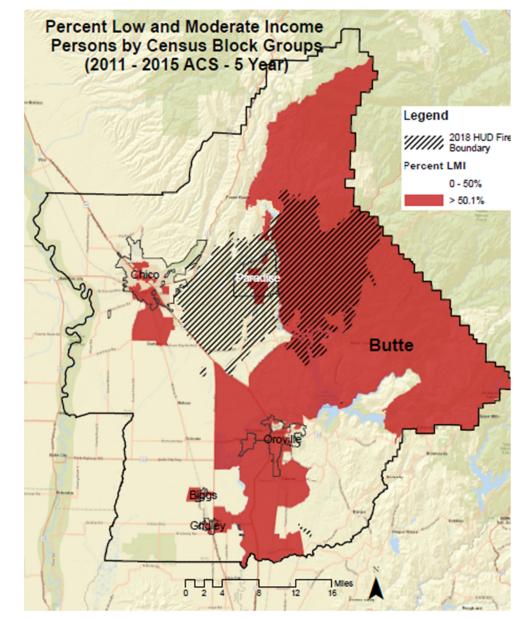
#### 2018 CDBG-DR Action Plan: Unmet Needs Analysis Data Summary (Source: American Community Survey, 2013-2017) BUTTE COUNTY: LINGUISTIC ISOLATION MAP

The Butte County linguistic isolation percentile map shows that between 5.1 – 10% of the population is linguistically isolated in southwestern portion of the county concentrated around Biggs and Gridley, with 10.1 -20% of the population in the northern portion of Gridley and the unincorporated portion between Gridley and Biggs being linguistically isolated.



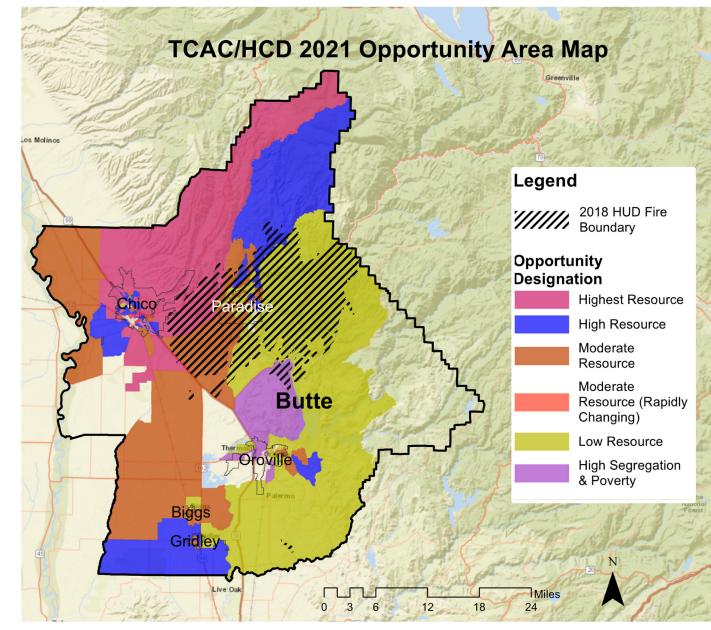
#### **BUTTE COUNTY: LMI MAP**

The Butte County Percentage Low and Moderate Income Persons Map shows that the majority of LMI designated areas in the county are concentrated to the eastern part of the county intersecting the eastern portion of the 2018 Fire Boundary. Almost all of the cities of Biggs, Gridley, and Oroville are LMI designated.



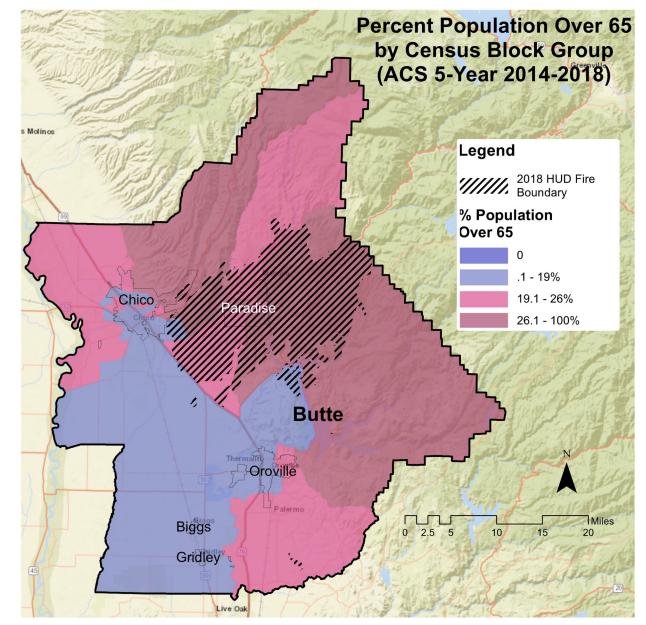
# BUTTE COUNTY: OPPORTUNITY MAP

The Butte County TCAC/HCD 2021 Opportunity Area Map shows that the eastern part of the county is defined as "low resource" while the western and northern part of the county is categorized as "highest resource", "high resource", and "moderate resource". Much of Oroville and the unincorporated area north of Oroville is categorized as "high segregation and poverty".



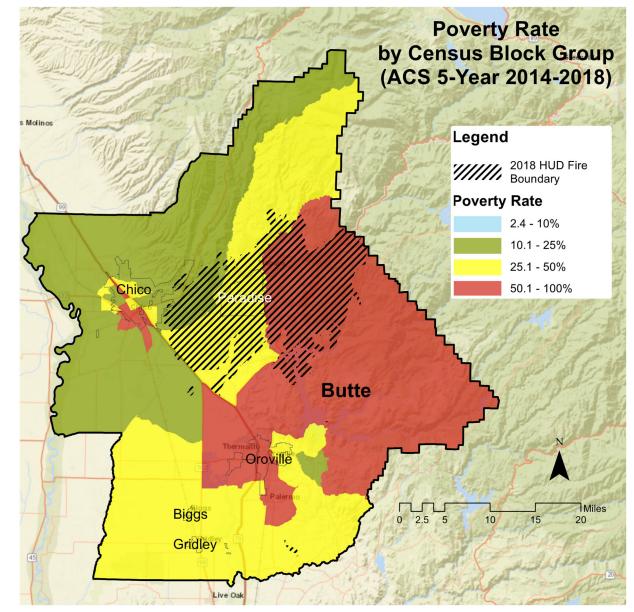
#### **BUTTE COUNTY: POPULATION OVER 65 MAP**

The Butte County percentage population over 65 map shows that the population over 65 is above 19.1% on the northern and eastern side of the county and below 19% in the southwest of the county. The majority of the 2018 HUD Fire Boundary has a population over 65 that is above 26.1%.



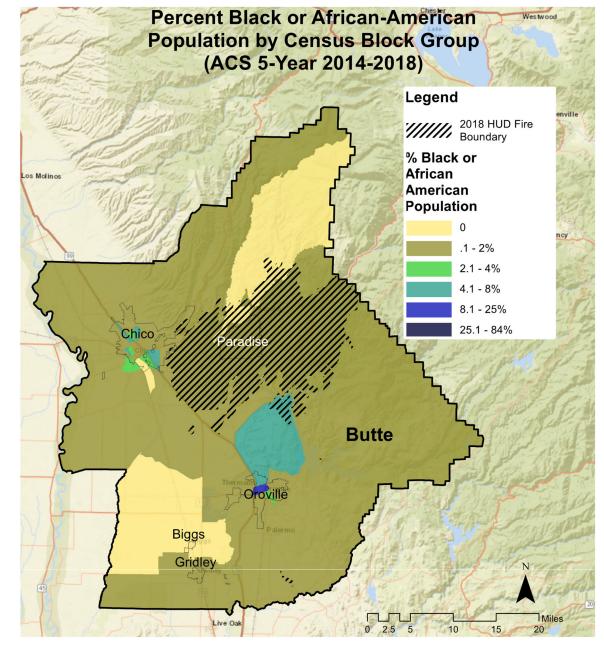
## **BUTTE COUNTY: POVERTY RATE MAP**

The Butte County percentage poverty rate map shows that the eastern part of the county and part of the 2018 HUD Fire Boundary has a poverty rate that ranges between 50.1-100%. Most of the City of Paradise has a poverty rate within the 25.1 – 50% range and the City of Chico ranges between 10.1% and more than 50%.



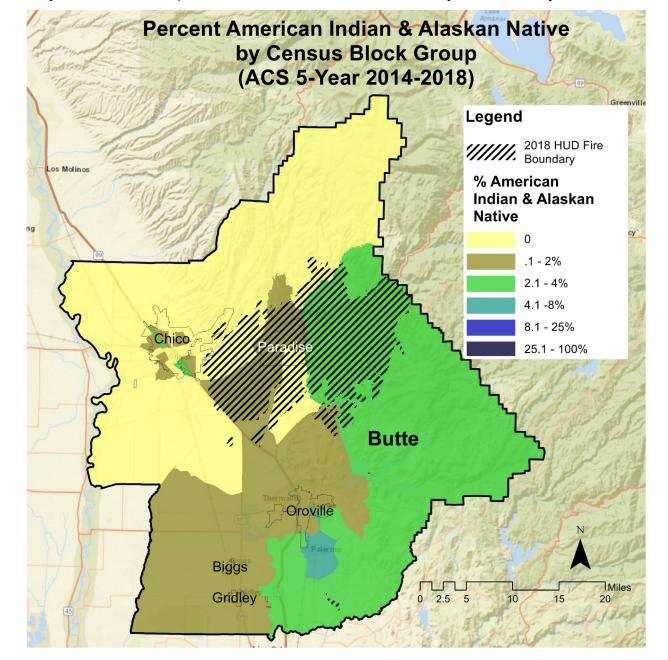
# BUTTE COUNTY: RACE – PERCENT BLACK OR AFRICAN AMERICAN MAP

The Butte County percentage population Black or African-American map shows that the Black or African-American population falls within the 4-8% range in the southeast portion of the City of Chico and the 8.1 -25% range in central Oroville.



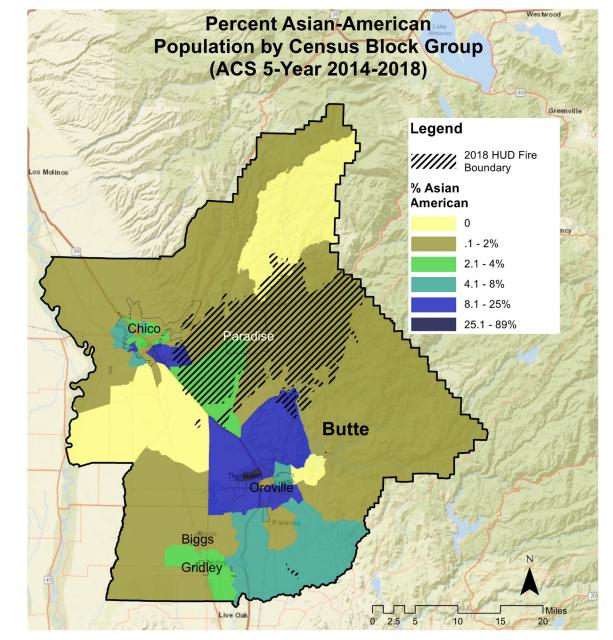
#### 2018 CDBG-DR Action Plan: Unmet Needs Analysis Data Summary (Source: American Community Survey, 2013-2017) BUTTE COUNTY: RACE – PERCENT AMERICAN INDIAN & ALASKAN NATIVE MAP

The Butte County percentage population American Indian & Alaskan Native map shows that the American Indian and Alaskan Native population falls within the 2.1 – 4% range in the eastern portion of the county and the eastern portion of the 2018 HUD Fire Boundary for the county.



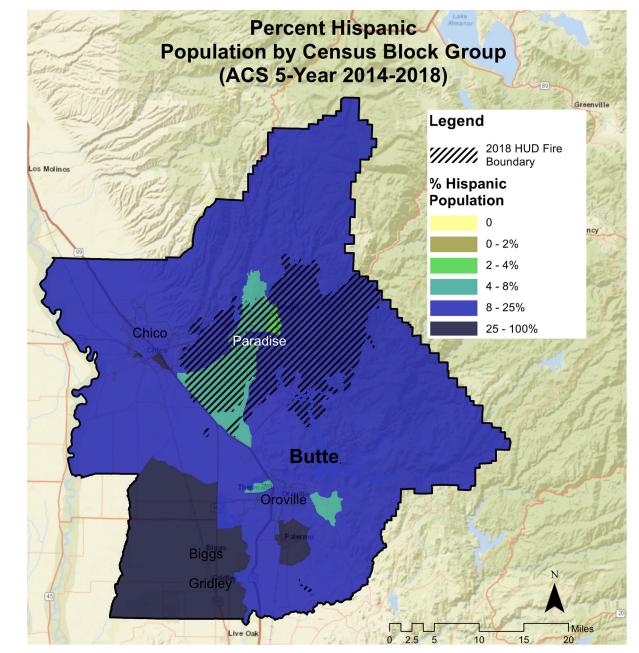
# BUTTE COUNTY: RACE – PERCENT ASIAN AMERICAN MAP

The Butte County percentage population Asian-American map shows that Asian-American population falls within the 8.1-25% range around Oroville and in the southeast corner of Chico. The north part of Oroville has a census block group with a 25.1 – 89% Asian-American population.



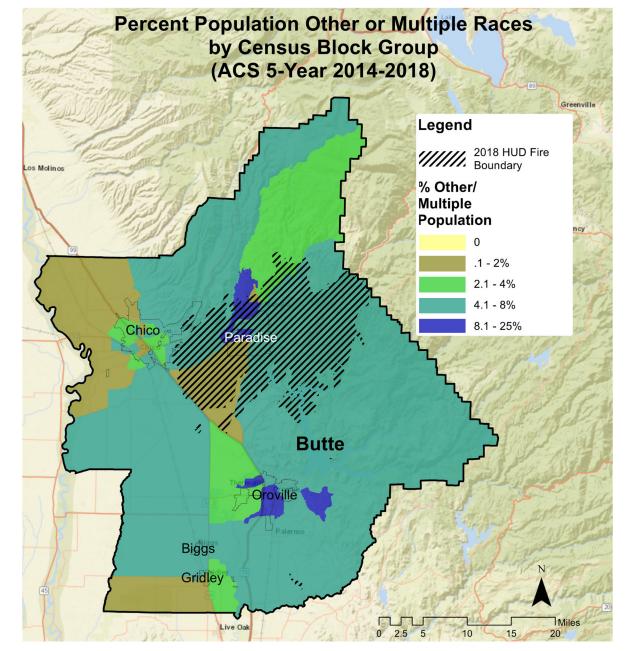
# BUTTE COUNTY: RACE/ETHNICITY – PERCENT HISPANIC MAP

The Butte County percentage population Hispanic map shows that the Hispanic population falls within the 8.1 - 25% range around the county. The southwest portion of the county, including all of the city of Biggs and Gridley, have a Hispanic population between 25.1% - 100%.



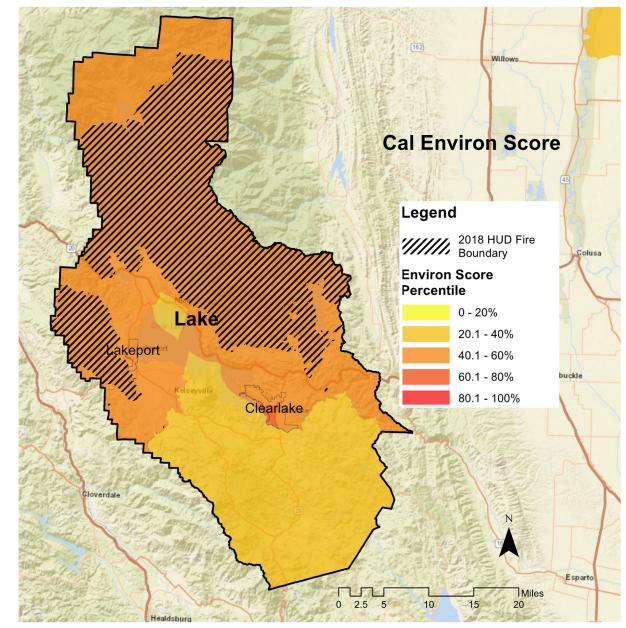
BUTTE COUNTY: RACE – PERCENT OTHER/MULTIPLE RACES MAP

The Butte County percentage population Other or Multiple races map shows the residents who identify as other or multiple races fall in the highest percentage of 8.1 – 25% at the north of Paradise and the surrounding unincorporated areas, and through to the east of Oroville.



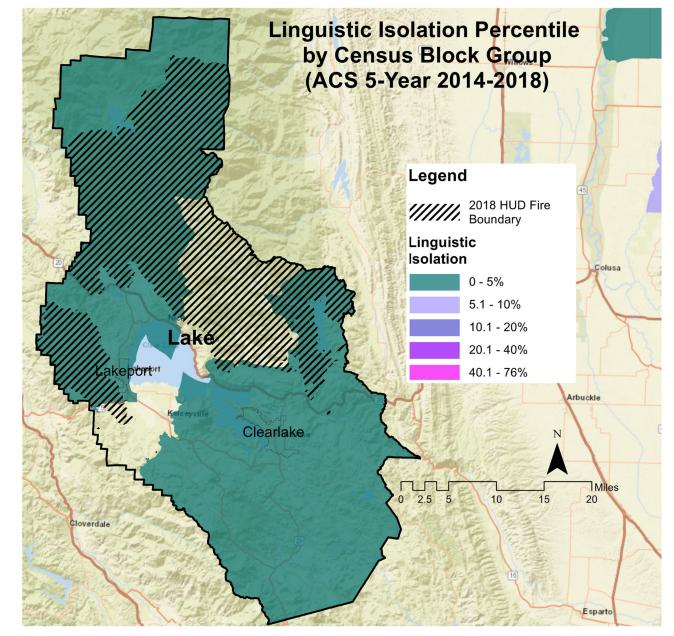
#### LAKE COUNTY: CAL ENVIRONS MAP

The Lake County Cal Environ score map shows a 40.1 – 60% percentile score on the northern half of the county intersected with the 2018 HUD Fire Boundary. The southwest portion of Clearlake has a score in the 80.1 – 100% percentile range



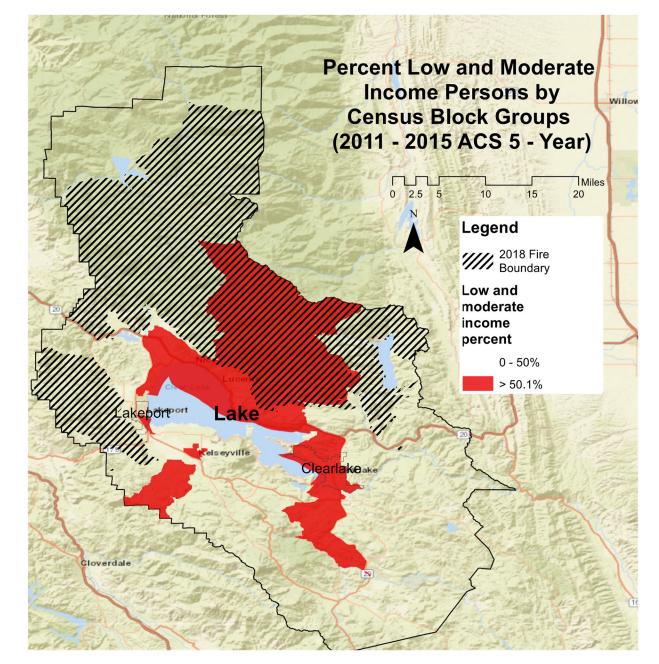
### LAKE COUNTY: LINGUISTIC ISOLATION MAP

The Lake County linguistic isolation percentile map shows that every census block group in the entire county is between 0 – 5% linguistically isolated, except for the middle part of the county where there is no data.



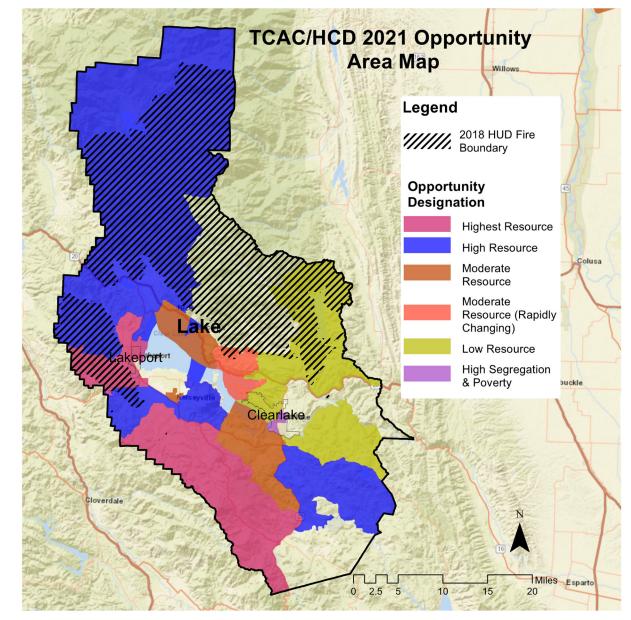
### LAKE COUNTY: LMI MAP

The Lake County Percentage Low and Moderate Income Persons Map shows that the majority of LMI designated areas in the county are concentrated to the northwest of Clear Lake intersecting the middle portion of the 2018 Fire Boundary. Almost all of the City of Clearlake is LMI designated.



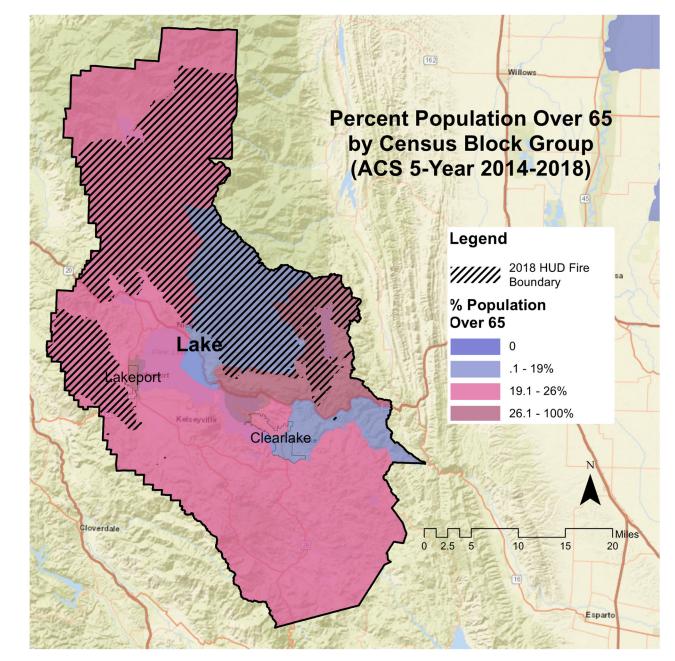
### LAKE COUNTY: OPPORTUNITY MAP

The Lake County TCAC/HCD 2021 Opportunity Area Map shows that the eastern part of the county is defined as "low resource", while the western and northern part of the county is categorized as "highest resource" and high resource". Lakeport is nearly all "highest resource", and much of Clearlake is "low resource" or "high segregation and poverty".



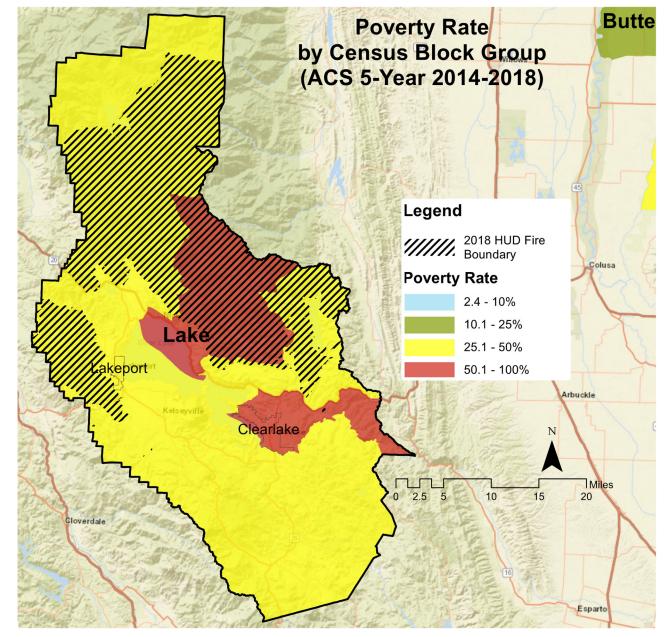
### LAKE COUNTY: POPULATION OVER 65 MAP

The Lake County percentage population over 65 map shows that the majority of the County including most of the 2018 HUD Fire Boundary has a population over 65 that is 19.1 – 26%. The southern portion of Clearlake and a portion of the 2018 HUD Fire Boundary have a population over 65 that is .1 – 19% of the population.



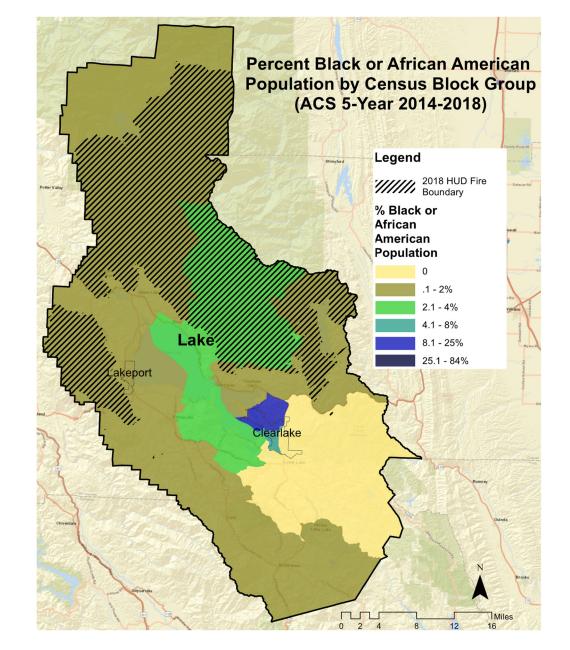
# LAKE COUNTY: POVERTY RATE MAP

The Lake County percentage poverty rate map shows that most of the county and 2018 Fire Boundary has a poverty rate that ranges between 25.1 – 50%. However, all of Clearlake and the center of the county has a 50.1 - 100% poverty rate.



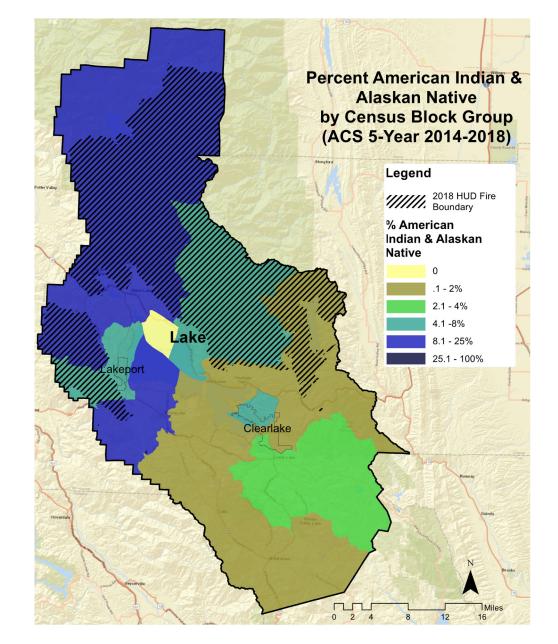
## LAKE COUNTY: RACE – PERCENT BLACK OR AFRICAN AMERICAN MAP

The Lake County percentage population Black or African-American map shows that the Black or African-American population falls between 2.1-4% in the center of the county and intersected with the 2018 HUD Fire Boundary. The Black or African-American population falls between 8.1 – 25% range in the northern part of Clearlake.



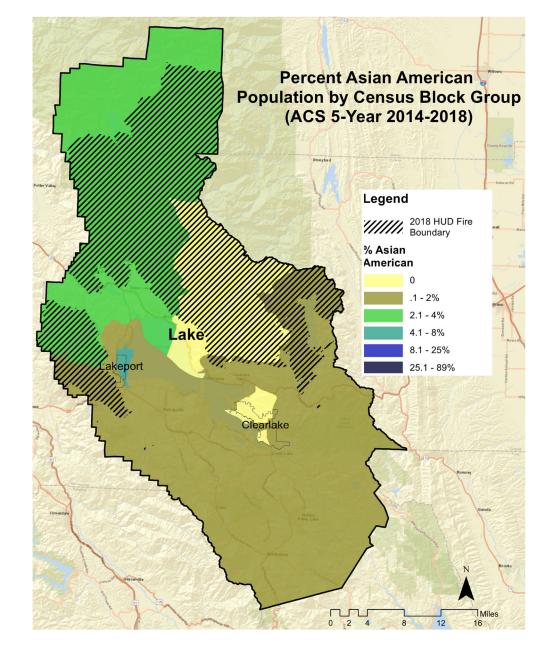
#### 2018 CDBG-DR Action Plan: Unmet Needs Analysis Data Summary (Source: American Community Survey, 2013-2017) LAKE COUNTY: RACE – PERCENT AMERICAN INDIAN & ALASKAN NATIVE MAP

The Lake County percentage population American Indian & Alaskan Native map shows that the American Indian and Alaskan Native population is between 8.1 – 25% in the northern part of the county and intersected with about half of the 2018 HUD Fire Boundary, which is largely in parts of the county that are at least 4.1% American Indian and Alaskan Native. The American Indian and Alaskan Native population falls between 4.1 – 8% in most of Lakeport and Clearlake.



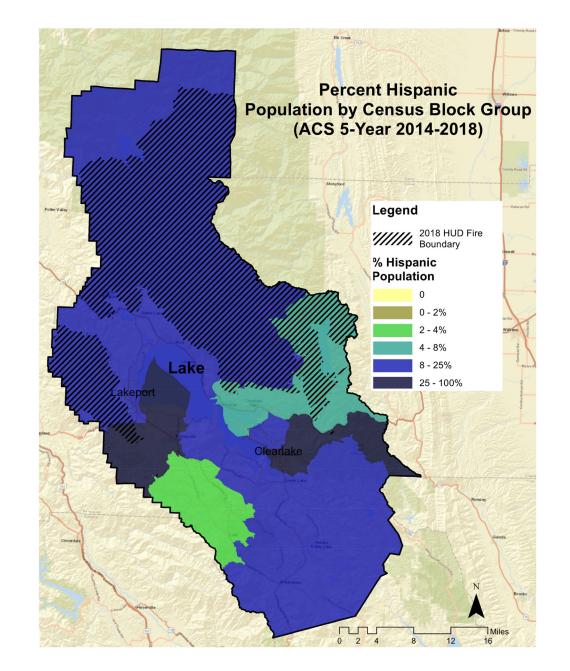
### LAKE COUNTY: RACE – PERCENT ASIAN AMERICAN MAP

The Lake County percentage population Asian-American map shows that Asian-American population falls within the 2.1 – 4% range in the northern part of the county that intersects with the 2018 HUD Fire Boundary. The Asian-American population is less than 2% in Clearlake and between 4.1 – 8% in Lakeport.



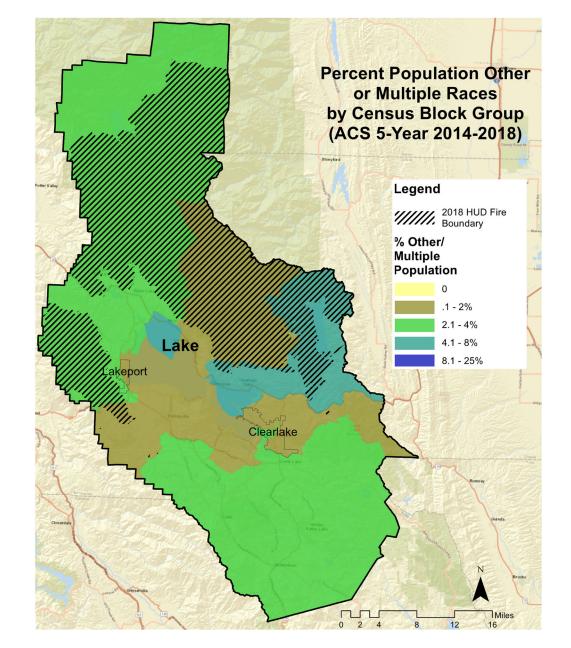
## LAKE COUNTY: RACE/ETHNICITY – PERCENT HISPANIC MAP

The Lake County percentage population Hispanic map shows that the Hispanic population falls within the 8.1 - 25% range around the county. The southwest portion of the county, including all of the city of Biggs and Gridley, have a Hispanic population between 25.1% - 100%.



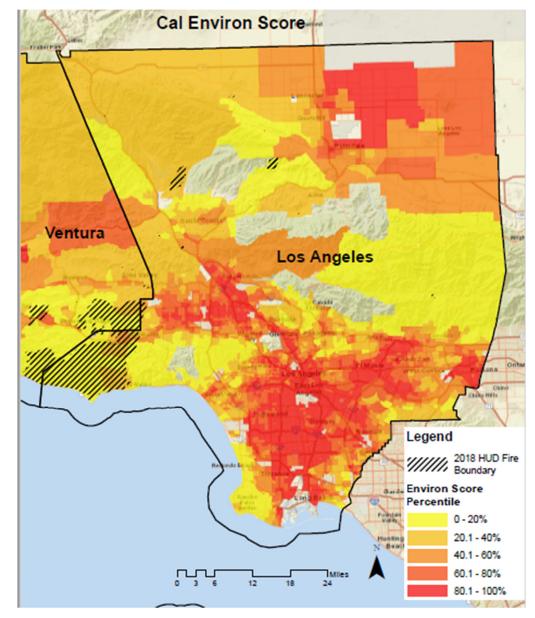
## LAKE COUNTY: RACE – PERCENT OTHER/MULTIPLE RACES MAP

The Lake County percentage population Other or Multiple races map shows the residents who identify as other or multiple races fall in the highest percentage of 4.1 - 8% in the unincorporated area north of Clearlake and northeast of Lakeport. Both Clearlake and Lakeport have mostly .1 – 2% Other/Multiple population.



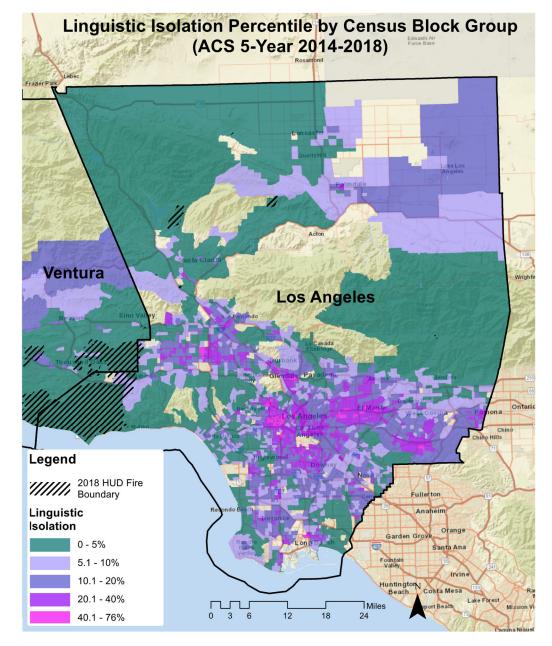
### LOS ANGELES COUNTY: CAL ENVIRONS MAP

The Los Angeles County Cal Environ score map shows the highest score around the City of Los Angeles and in the Northeast part of the county. There area intersected with the 2018 HUD fire boundary has scores between 0 -40.



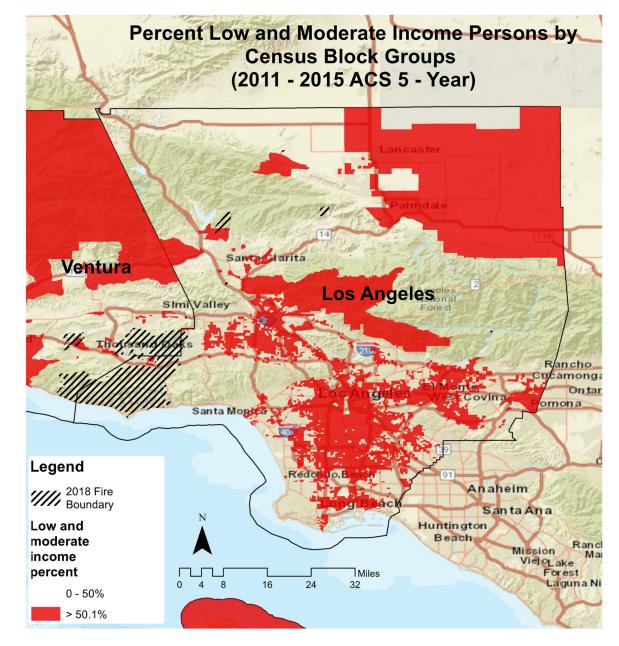
# LOS ANGELES COUNTY: LINGUISTIC ISOLATION MAP

The Los Angeles County linguistic isolation percentile map shows that the most linguistically isolated population is concentrated around Los Angeles and in the southern portion of the county with mostly 20.1 - 40% of the population linguistically isolated with some pockets of 40.1 - 76% of the population linguistically isolated. A small portion of the 2018 HUD Fire Boundary is in a linguistically isolated area.



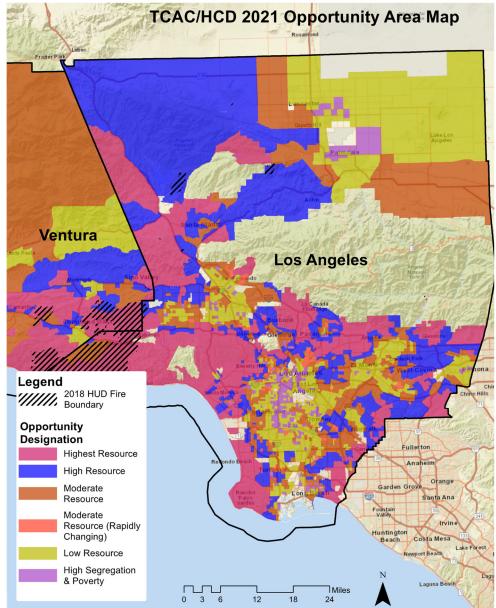
### LOS ANGELES COUNTY: LMI MAP

The Los Angeles County Percentage low and moderate income persons map shows the LMI-designated areas exist mostly around the City of Los Angeles, in the middle of the county, and in the northwest of the county. Only a small portion of the 2018 HUD Fire Boundary is an LMI area.



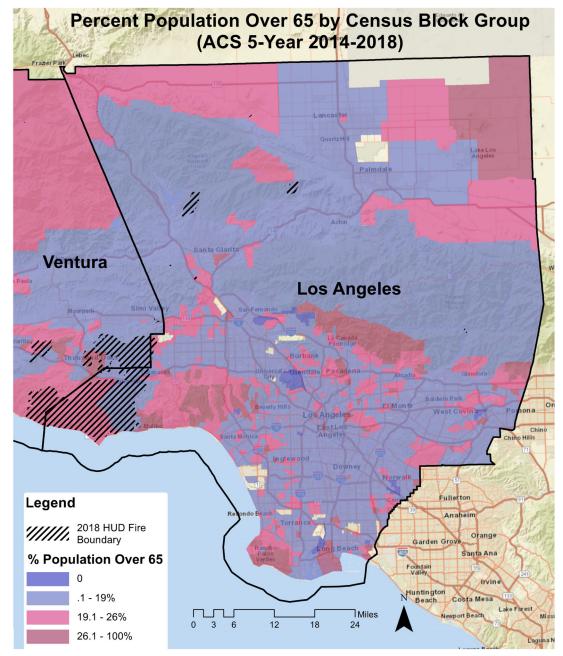
## LOS ANGELES COUNTY: OPPORTUNITY MAP

The Los Angeles County TCAC/HCD 2021 Opportunity Area Map shows that the highest resource areas of Los Angeles County are around the coast and western portion of the county. High poverty and segregation is centered around the City of Los Angeles metro. There are areas categorized "low resource" in the northeast of the county and around the City of Los Angeles metro.



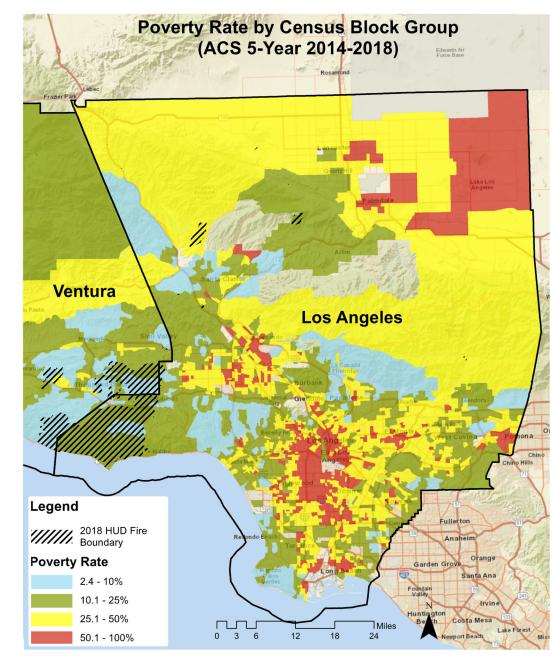
# LOS ANGELES COUNTY: POPULATION OVER 65 MAP

The Los Angeles County percentage population over 65 map shows that the population over 65 is variable, with pockets between 19.1 – 26% and above 26% around the county. About half of the 2018 HUD Fire Boundary has a population over 65 that is 19.1 – 26% of the total.



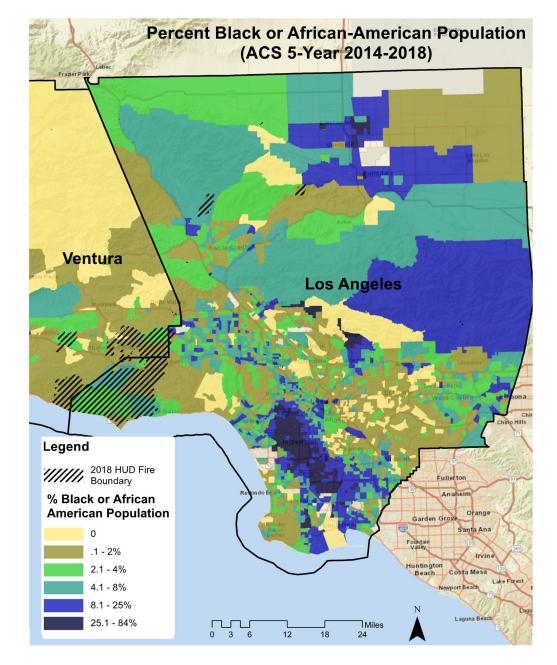
### LOS ANGELES COUNTY: POVERTY RATE MAP

The Los Angeles County percentage poverty rate map shows that the highest poverty rates of the county (50.1 – 100%) are concentrated in the northeast and south of the county. The 2018 HUD Fire Boundary intersects mostly with census block groups that display a poverty rate of 10.1 – 25% and 2.4 – 10%.



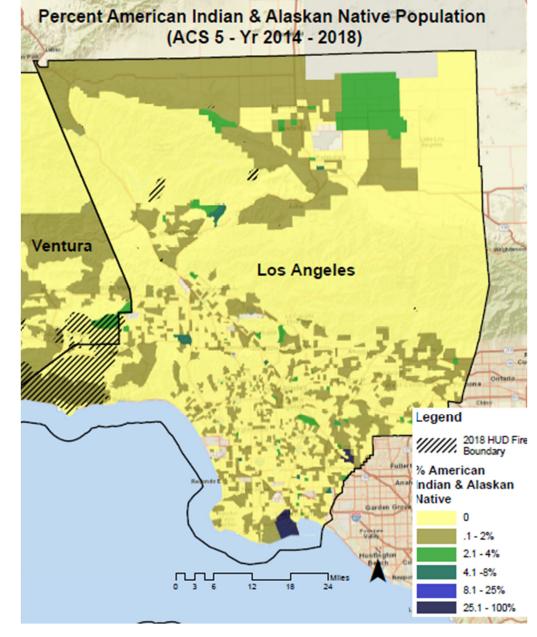
LOS ANGELES COUNTY: RACE – PERCENT BLACK OR AFRICAN AMERICAN MAP

The Los Angeles County percentage population Black or African-American map shows that the African-American population falls within the 25.1-84% range along the southern portion of the county, and within the 8.1 -25% range around the eastern and northern portion of the county.



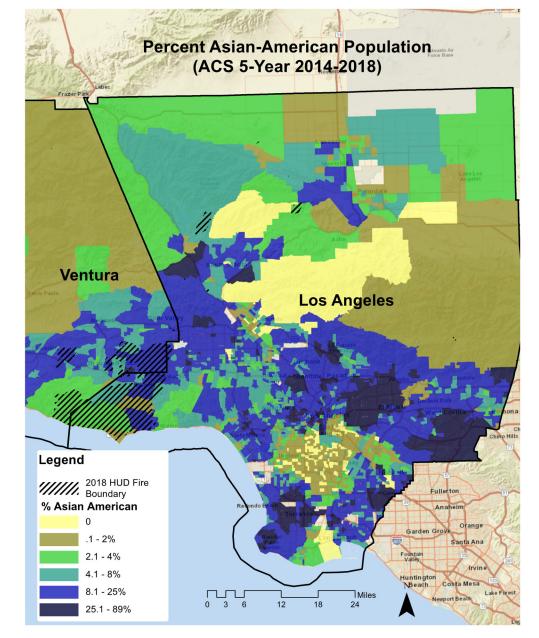
LOS ANGELES COUNTY: RACE – PERCENT AMERICAN INDIAN & ALASKAN NATIVE MAP

The Los Angeles County percentage population American Indian & Alaskan Native map shows that the American Indian and Alaskan Native population falls within the higher ranges in the north of the county, along the south of the county, and within the 2018 HUD Fire Boundary for the county.



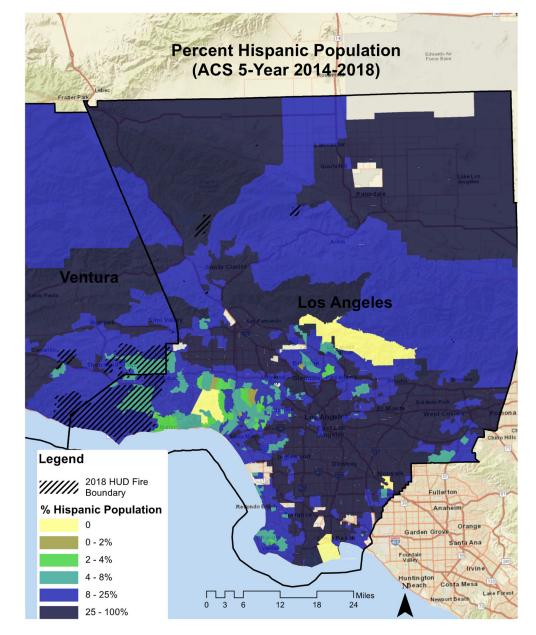
## LOS ANGELES COUNTY: RACE – PERCENT ASIAN AMERICAN MAP

The Los Angeles County percentage population Asian-American map shows that the Asian-American population falls within the 25.1 – 89% range around the areas of Torrance, West Covina, Pico Rivera, and south of Pasadena. The rest of the county contains pockets of higher population, within the range of 8.1 – 25%.



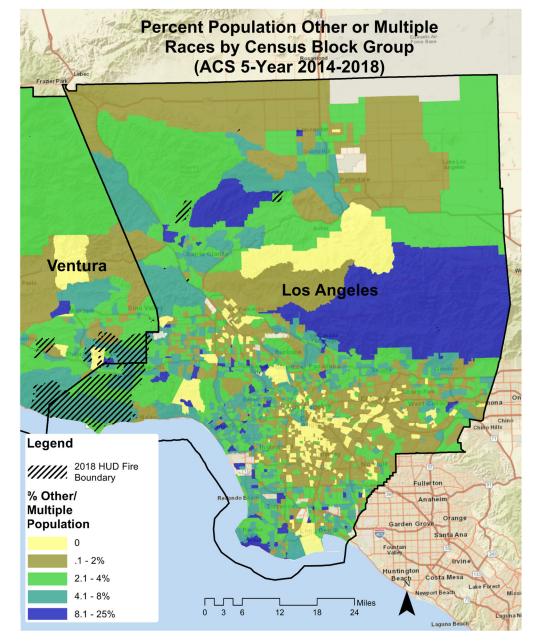
# LOS ANGELES COUNTY: RACE/ETHNICITY – PERCENT HISPANIC MAP

The Los Angeles County percentage population Hispanic map shows that the Hispanic population is more than 8% in most of the county, and more than 25% in most of the southern and northern parts of the county. The Hispanic population is between 8.1 – 25% in most of the 2018 HUD Fire Boundary.



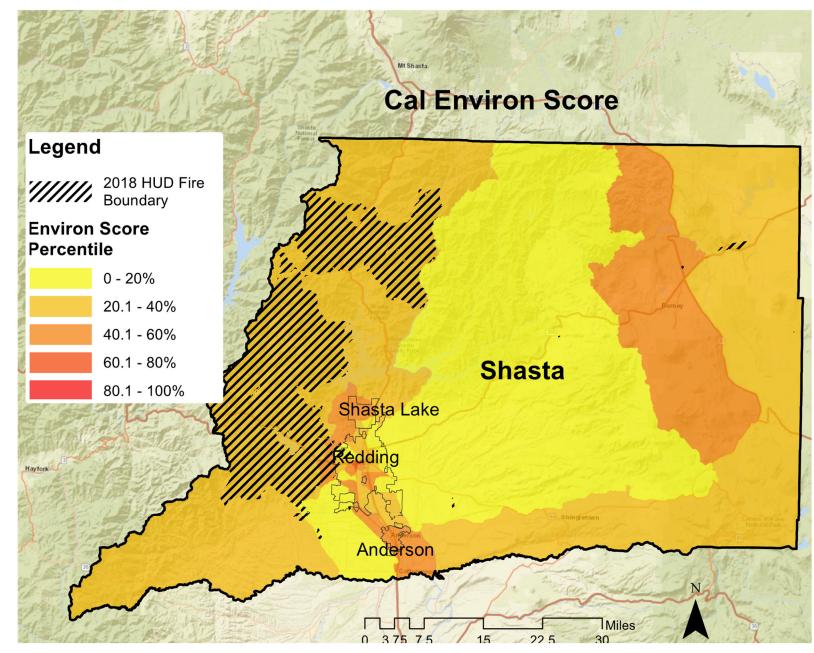
# LOS ANGELES COUNTY: RACE – PERCENT OTHER/MULTIPLE RACES MAP

The Los Angeles County percentage population Other or Multiple races map shows the residents who identify as other or multiple races fall in the highest percentage of 8.1 – 25% along the southern half of the county within random census block groups, as well as within the eastern part of the county.



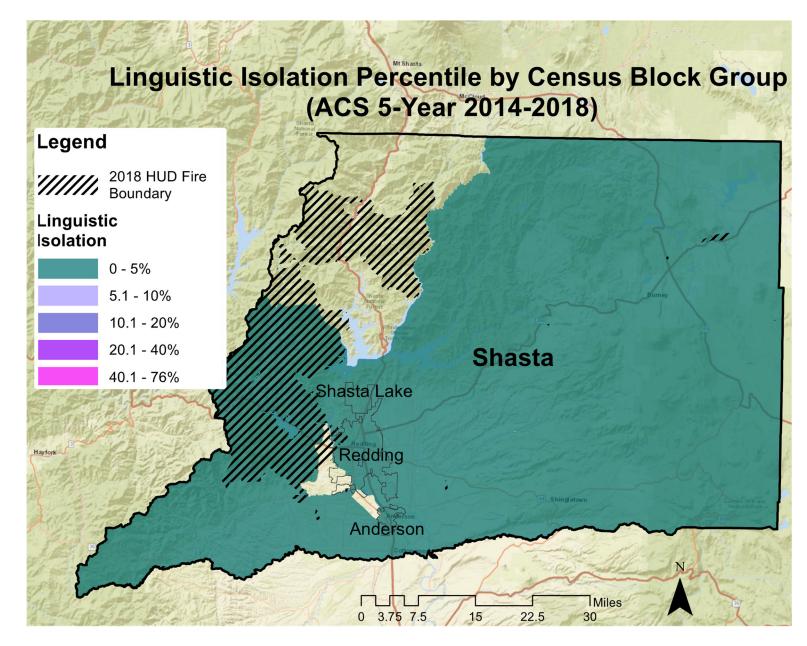
### SHASTA COUNTY: CAL ENVIRONS MAP

The Shasta County Cal Environ score map shows a 20.1 – 40% on the east and west sides, and 0 – 20% in the center. There is variation around the major cities, ranging from block groups of 0 – 20% in Shasta Lake and Redding to 80.1 -100% in the middle of Redding.



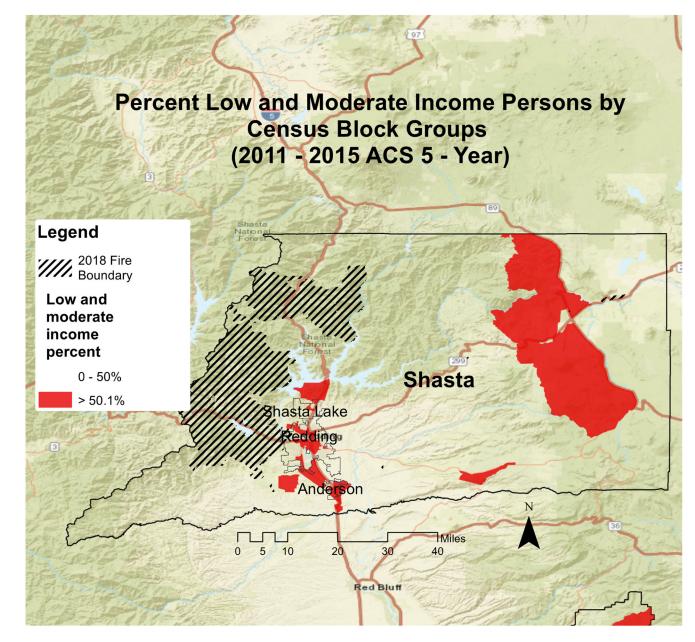
# SHASTA COUNTY: LINGUISTIC ISOLATION MAP

The Shasta County linguistic isolation percentile map shows that every census block group in the entire county is between 0 – 5% linguistically isolated, except for the northwestern part of the county where there is no data.



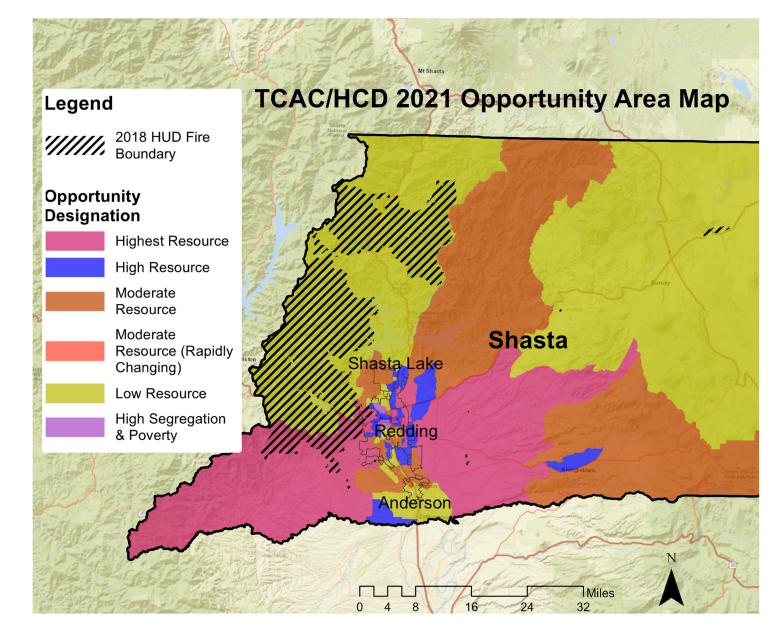
### SHASTA COUNTY: LMI MAP

The Shasta County Percentage Low and Moderate Income Persons Map shows that the majority of LMI designated areas in the county are concentrated amongst Shasta Lake, Redding, and Anderson, which all have a significant portion of the city's designated LMI, along with a large portion of the eastern part of the county. A very small portion of the 2018 Fire Boundary intersects with LMI areas.



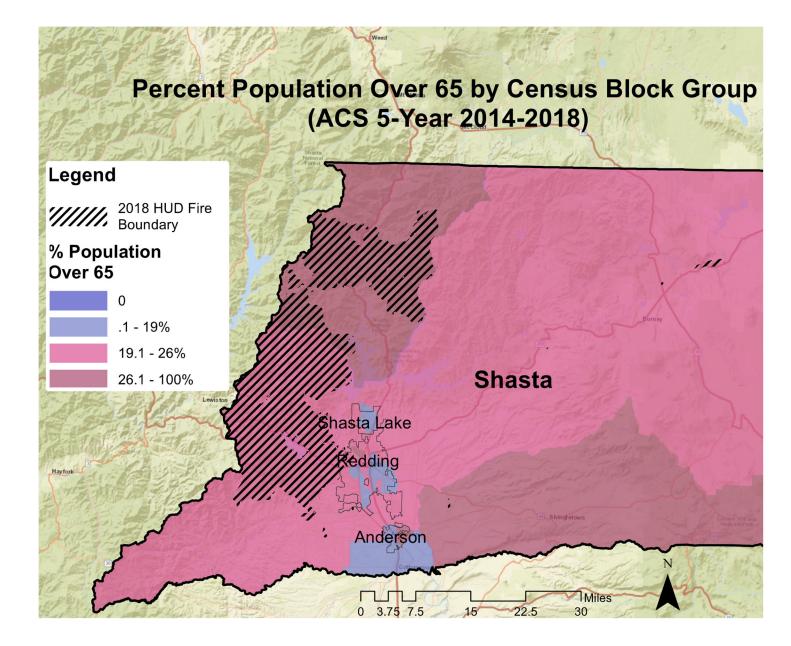
SHASTA COUNTY: OPPORTUNITY MAP

The Shasta County TCAC/HCD 2021 Opportunity Area Map shows that the western and eastern portion of the county that intersects with the 2018 Fire Boundary is mostly categorized as "low resource". The southern portion of the county surrounding the major cities is categorized as "highest resource" and the cities—Shasta Lake, Redding, and Anderson—are a mix of all categories, including "high resource", "low resource", and "high segregation and poverty".



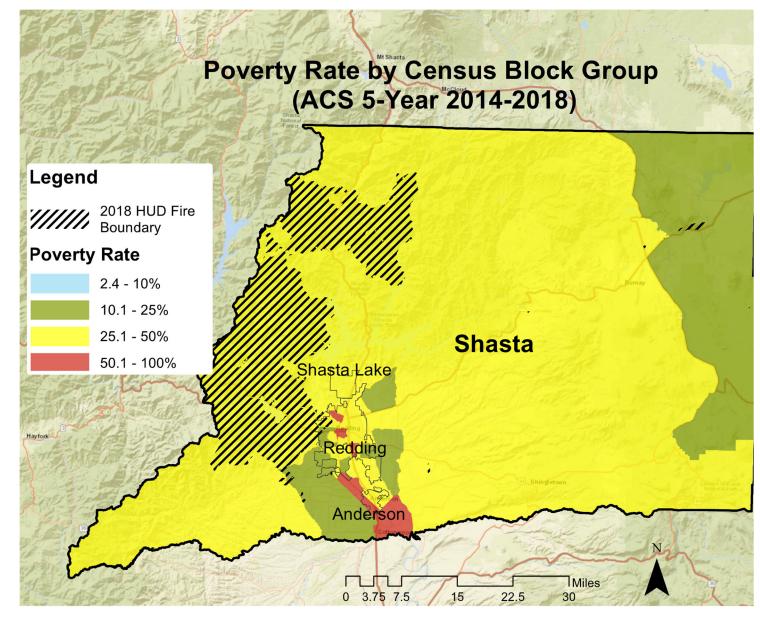
## SHASTA COUNTY: POPULATION OVER 65 MAP

The Shasta County percentage population over 65 map shows that the population over 65 is above 19.1% in most of the county outside of Shasta Lake, Redding, and Anderson, which all have significant areas where the population over 65 falls within .1 - 19%. The 2018 HUD Fire Boundary encompasses an area where the population over 65 is over 26.1% in about half the area, and 19.1 - 26% in the other half.



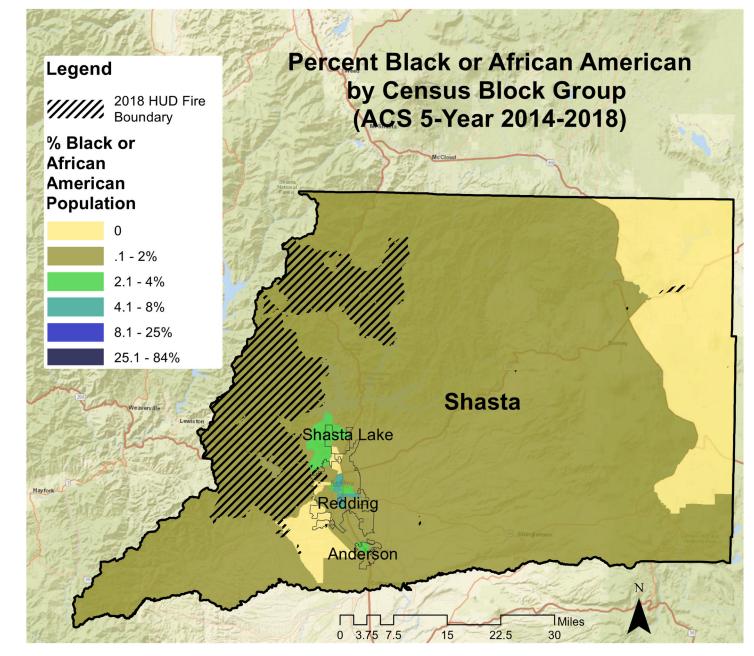
#### SHASTA COUNTY: POVERTY RATE MAP

The Shasta County percentage poverty rate map shows that most of the county and 2018 Fire Boundary has a poverty rate that ranges between 25.1 – 50%. However, parts of Anderson and Redding have a 50.1 - 100% poverty rate.



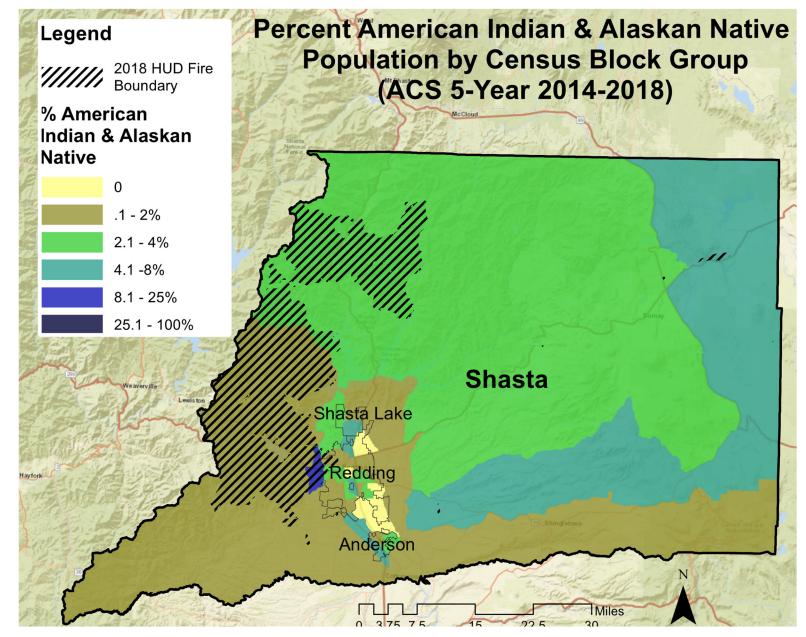
# SHASTA COUNTY: RACE – PERCENT BLACK OR AFRICAN AMERICAN MAP

The Shasta County percentage population African-American map shows that the African-American population falls within the 2-4% range in portions of Shasta Lake, Redding, and Anderson. Most of the county ranges between .1 – 2%, and the middle of Redding contains census block groups ranging from 4.1 – 8%.



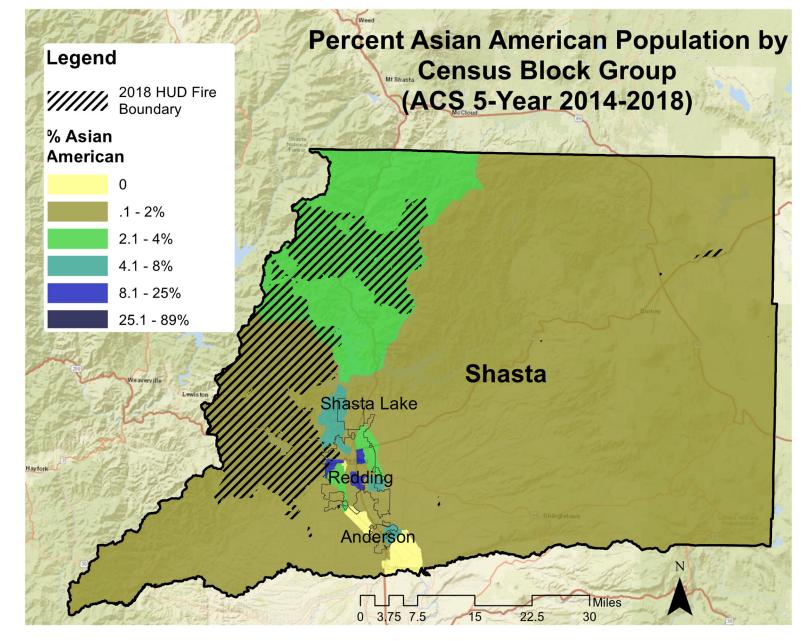
# SHASTA COUNTY: RACE – PERCENT AMERICAN INDIAN & ALASKAN NATIVE MAP

The Butte County percentage population American Indian & Alaskan Native map shows that the American Indian and Alaskan Native population falls within the 2.1 – 4% range in the eastern portion of the county and the eastern portion of the 2018 HUD Fire Boundary for the county.



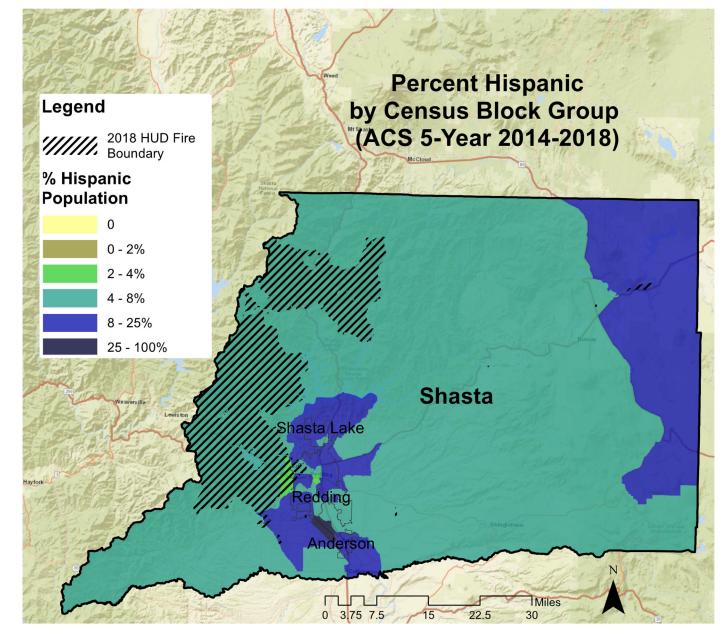
# SHASTA COUNTY: RACE – PERCENT ASIAN AMERICAN MAP

The Butte County percentage population Asian-American map shows that Asian-American population falls within the 8.1-25% range around Oroville as well as in the southeast corner of Chico. The north part of Oroville has a census block group with 25.1 – 89% Asian-American population.



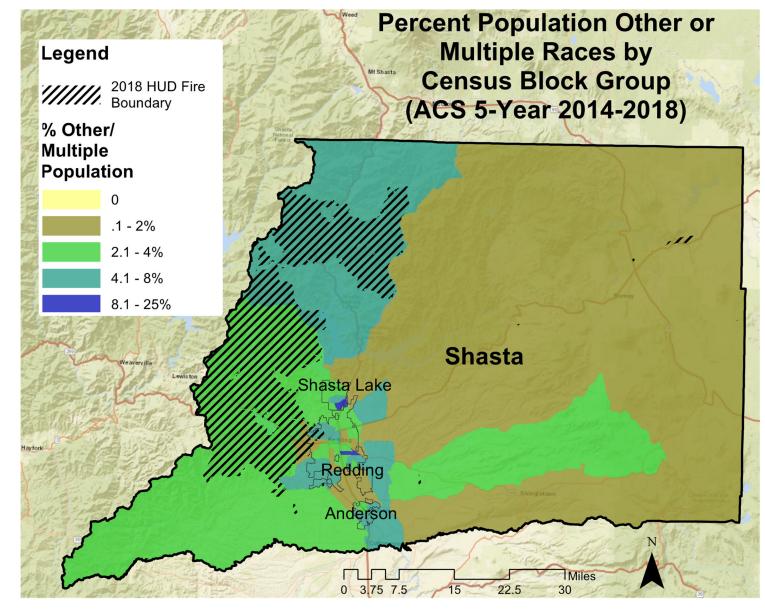
SHASTA COUNTY: RACE/ETHNICITY – PERCENT HISPANIC MAP

The Shasta County percentage population Hispanic map shows that the Hispanic population falls within the 8.1 - 25% on the eastern portion of the county and around the three major cities of Shasta Lake, Redding, and Anderson. A small area between Redding and Anderson has a Hispanic population between 25.1% - 100%.



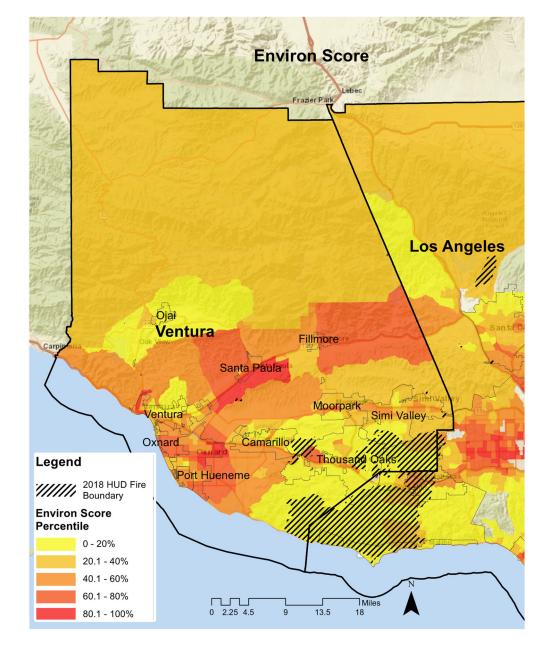
SHASTA COUNTY: RACE – PERCENT OTHER/MULTIPLE RACES MAP

The Shasta County percentage population Other or Multiple races map shows the residents who identify as other or multiple races fall in the highest percentage of 8.1 - 25% in portions of Shasta Lake and Redding. Residents who identify as other or multiple races also run between 4.1 - 8% in the western along the northwestern portion of the county and around the three major cities.



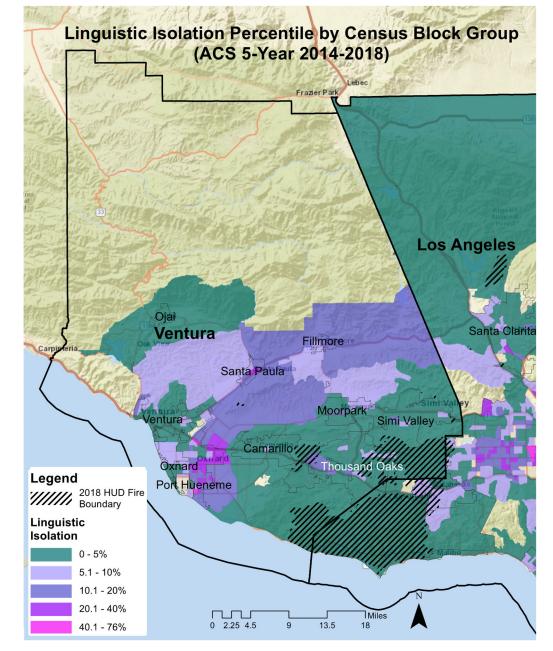
#### **VENTURA COUNTY: CAL ENVIRONS MAP**

The Ventura County Cal Environ score map shows a 0 - 20% percentile in most of the 2018 HUD Fire Boundary with small areas of higher percentiles. There are a few areas of the highest percentile of 80.1 – 100% on the southern part of Santa Paula, unincorporated areas outside of Port Hueneme, and along the west side of Ventura.



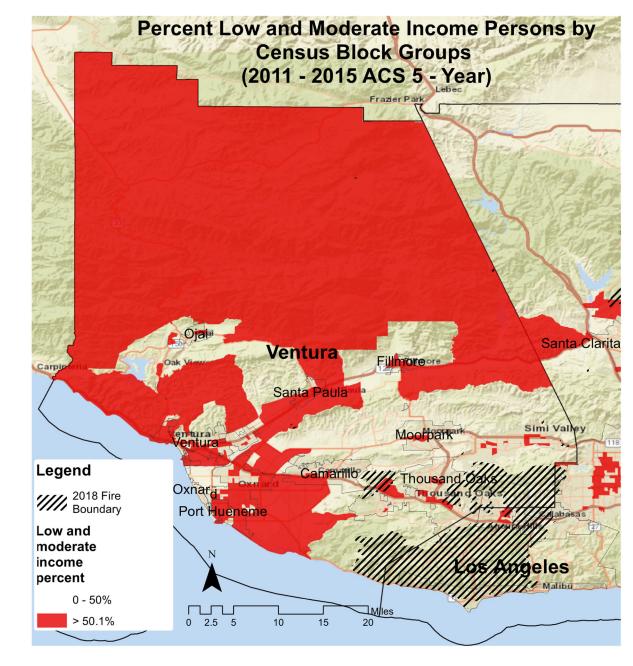
## **VENTURA COUNTY: LINGUISTIC ISOLATION MAP**

The Ventura County linguistic isolation percentile map shows that the highest concentrations of linguistically isolated population are located around Oxnard and Port Hueneme, as well as in the center of Santa Paula. The south side of the county, around the 2018 HUD Fire Boundary, has 0-5% linguistic isolation.



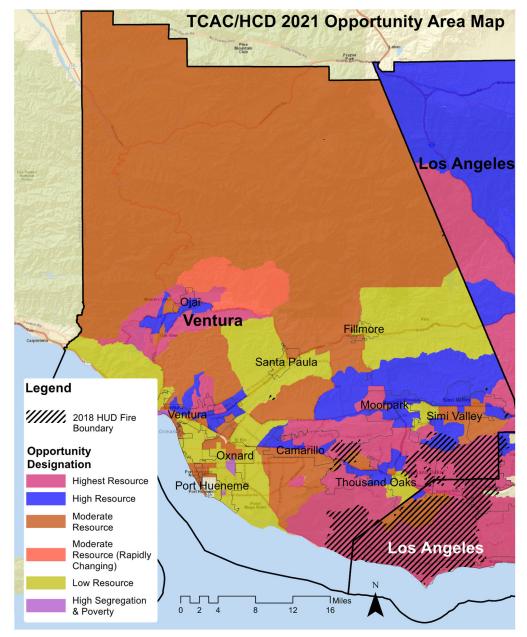
#### **VENTURA COUNTY: LMI MAP**

The Ventura County Percentage Low and Moderate Income Persons Map shows that the majority of LMI designated areas in the county are concentrated among the northern part and western part of the county. Only a small portion of the 2018 HUD Fire Boundary intersects with an LMI area.



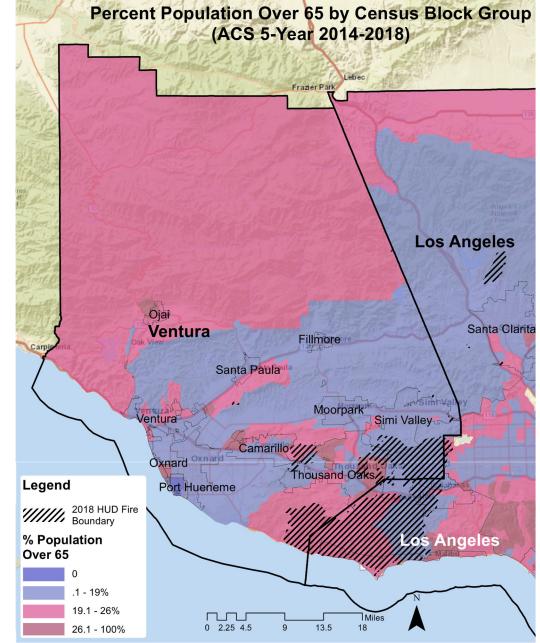
#### **VENTURA COUNTY: OPPORTUNITY MAP**

The Ventura County TCAC/HCD 2021 Opportunity Area Map shows that there is a wide range of categorized opportunity designations in the county ranging from "moderate resource" in the north, "low resource" in the middle and around the coast, and "high resource" and "highest resource" in the south. The 2018 HUD Fire Boundary intersects with mostly higher resourced areas, except for a small section of "moderate resource" area near Camarillo.



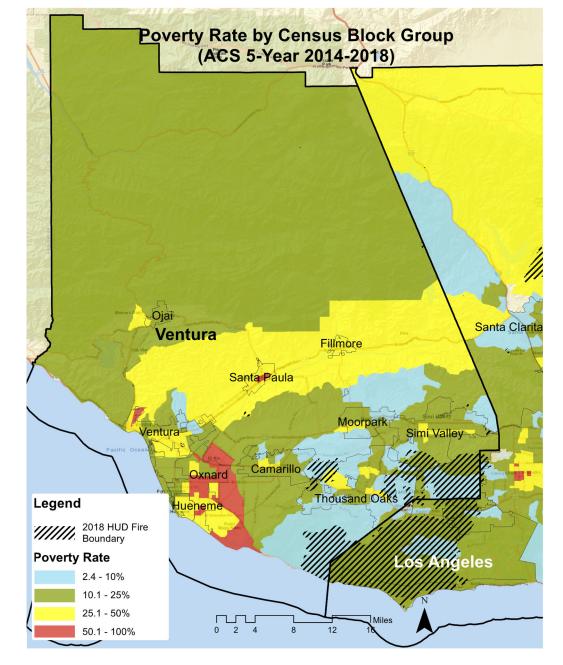
# **VENTURA COUNTY: POPULATION OVER 65 MAP**

The Ventura County percentage population over 65 map shows that the population over 65 is 19.1%- 26% in the northern and southern portion of the county, and between .1 – 19% in the middle of the county.



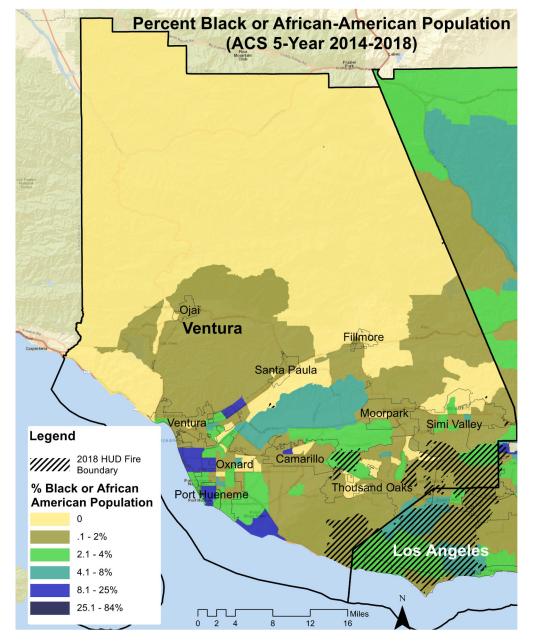
## VENTURA COUNTY: POVERTY RATE MAP

The Ventura County percentage poverty rate map shows that most of the county and 2018 Fire Boundary holds a poverty rate that is less than 25%, with higher rates in the middle of the county, and the highest rate of 50.1 – 100% in a portion of Ventura and Santa Paula, as well as around Oxnard and Hueneme.



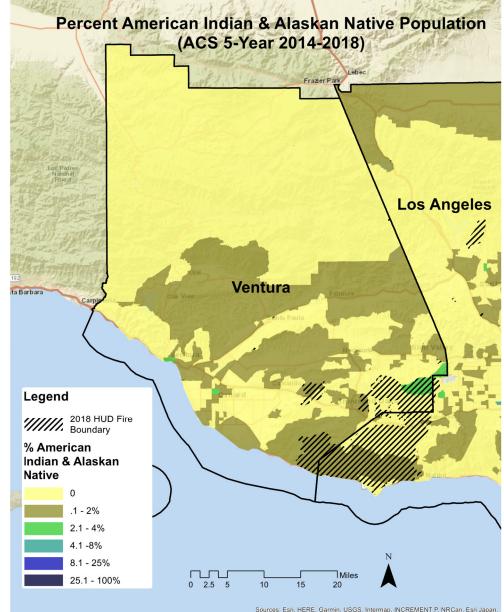
VENTURA COUNTY: RACE – PERCENT BLACK OR AFRICAN AMERICAN MAP

The Ventura County percentage population Black or African-American map shows that the African-American population falls within the 8.1 - 25% range around the coast, especially Port Hueneme, but declines throughout the central part of the county.



#### 2018 CDBG-DR Action Plan: Unmet Needs Analysis Data Summary (Source: American Community Survey, 2013-2017) VENTURA COUNTY: RACE – PERCENT AMERICAN INDIAN & ALASKAN NATIVE MAP

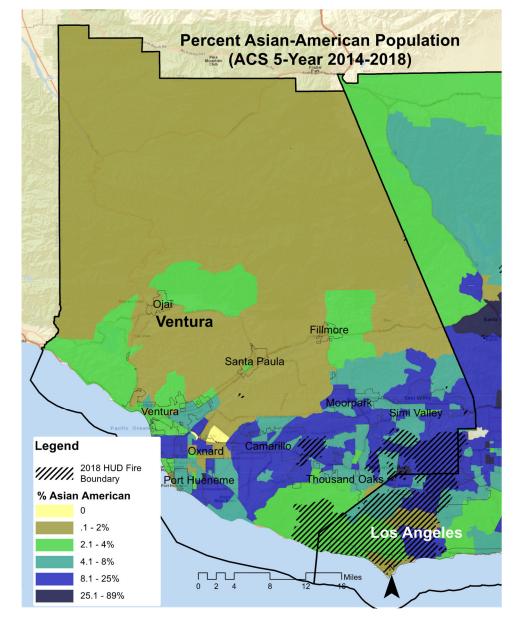
The Ventura County percentage population American Indian & Alaskan Native map shows that the American Indian and Alaskan Native population falls within the 0 - 2% range for most of the county. There is a handful of 2.1 – 4% census block groups around the western coast and in the 2018 HUD Fire Boundary.



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

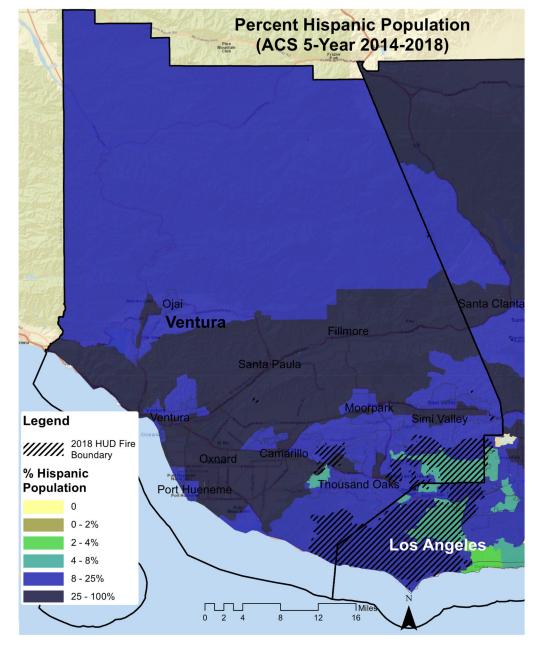
# VENTURA COUNTY: RACE – PERCENT ASIAN AMERICAN MAP

The Ventura percentage population Asian-American map shows that Asian-American population falls within the 8.1-25% range around the southern portion of the county, around Port Hueneme, Oxnard, Camarillo, Moorpark, and Simi Valley. Most of the 2018 HUD Fire Boundary overlaps with an area that has an Asian-American population within 8.1 – 25%.



## VENTURA COUNTY: RACE/ETHNICITY – PERCENT HISPANIC MAP

The Shasta County percentage population Hispanic map shows that the Hispanic population falls within the 8.1 - 25% on the eastern portion of the county and around the three major cities of Shasta Lake, Redding, and Anderson. A small area between Redding and Anderson has a Hispanic population between 25.1% - 100%.



# VENTURA COUNTY: RACE – PERCENT OTHER/MULTIPLE RACES MAP

The Shasta County percentage population Other or Multiple races map shows the residents who identify as other or multiple races fall in the highest percentage of 8.1 - 25% in portions of Shasta Lake and Redding. Residents who identify as other or multiple races also run between 4.1 - 8% in the western region and along the northwestern portion of the county, as well as around the three major cities.

