



THE NEW NORMAL & THE THREAT TO SAN MATEO COUNTY

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CALIFORNIA WILDFIRES

2018 STATISTICS



OVER **7,500**
WILDFIRES



OVER **1.8**
MILLION
ACRES
BURNED



OVER **22,700**
STRUCTURES
DESTROYED



THE NEW NORMAL EQUATION

CLIMATE CHANGE

- WEATHER
- VEGETATION
- LENGTH OF FIRE SEASON



HUMAN IMPACT

- FIRE SUPPRESSION
- POPULATION GROWTH
- INFRASTRUCTURE



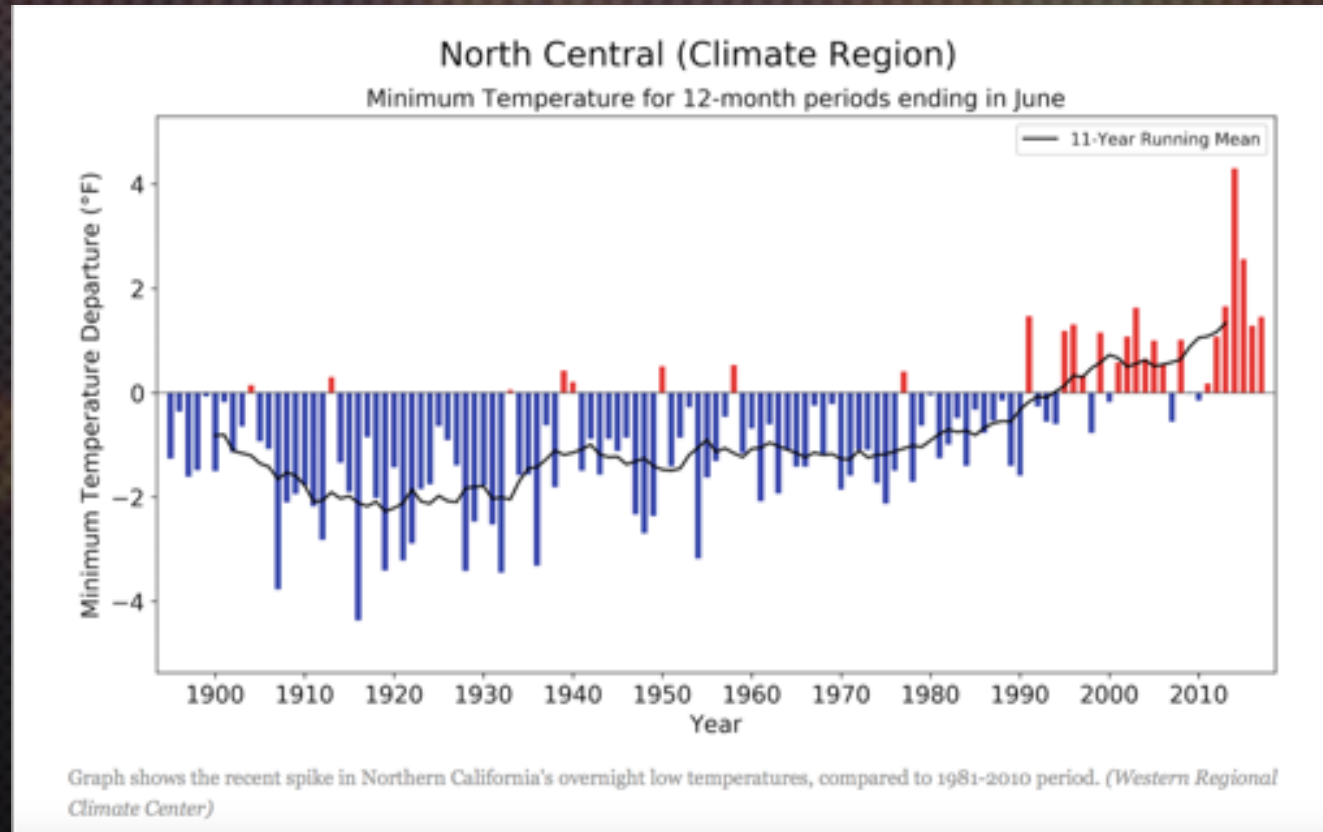
THE NEW NORMAL

- MORE FIRES
- MORE DESTRUCTION
- MORE FREQUENTLY

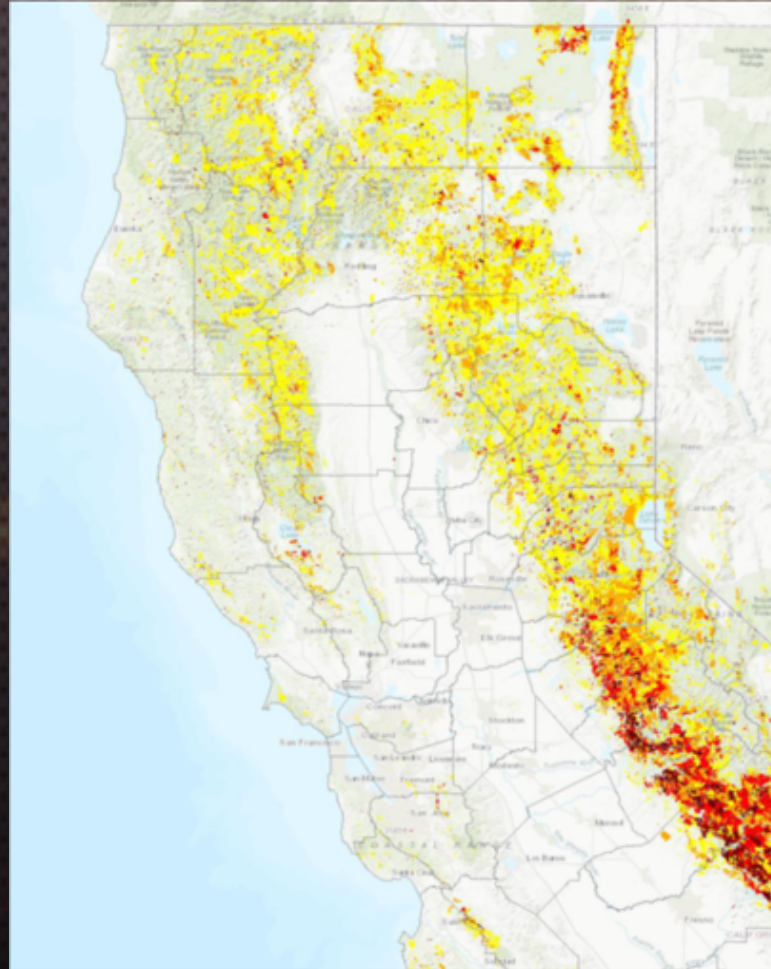


CLIMATE CHANGE IMPACT

WEATHER

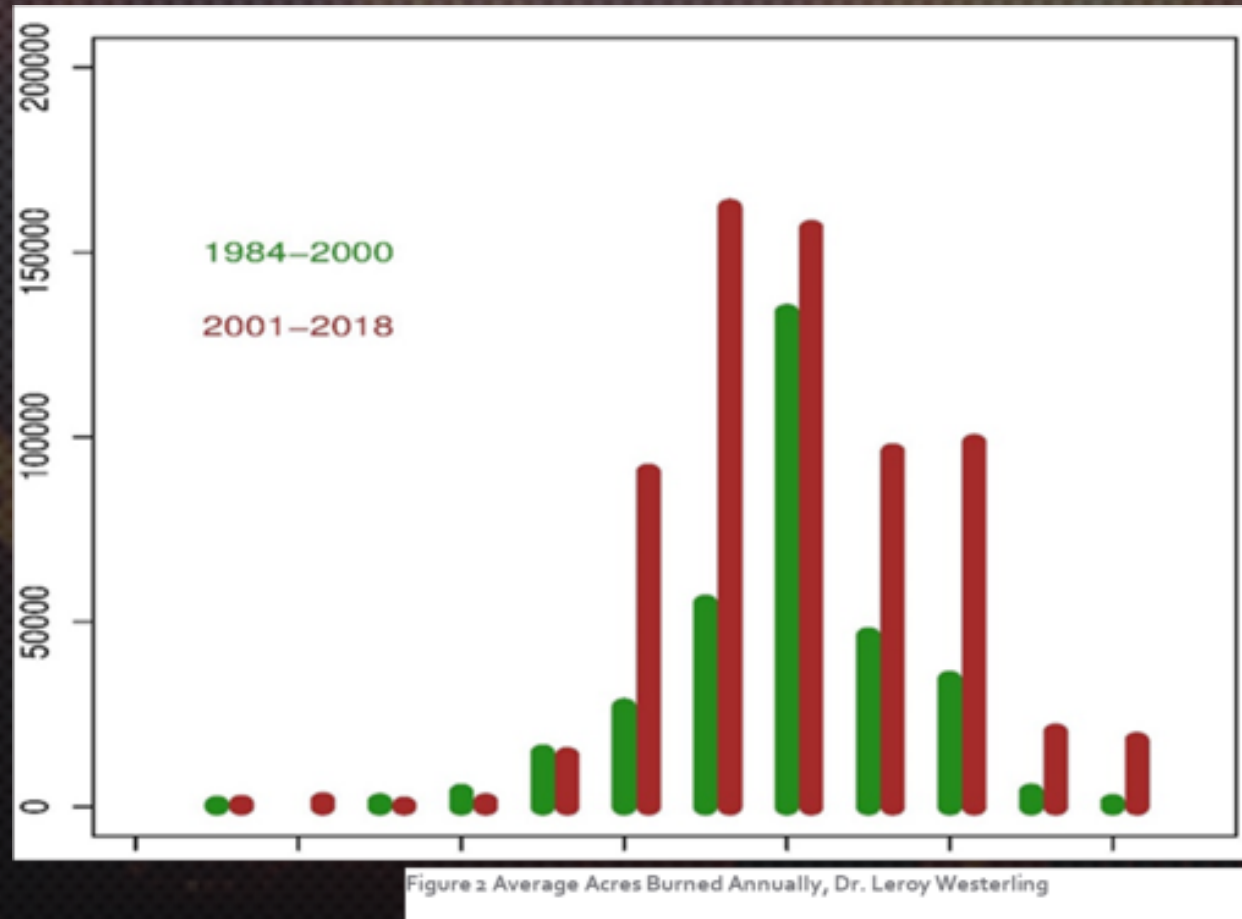


CLIMATE CHANGE IMPACT VEGETATION

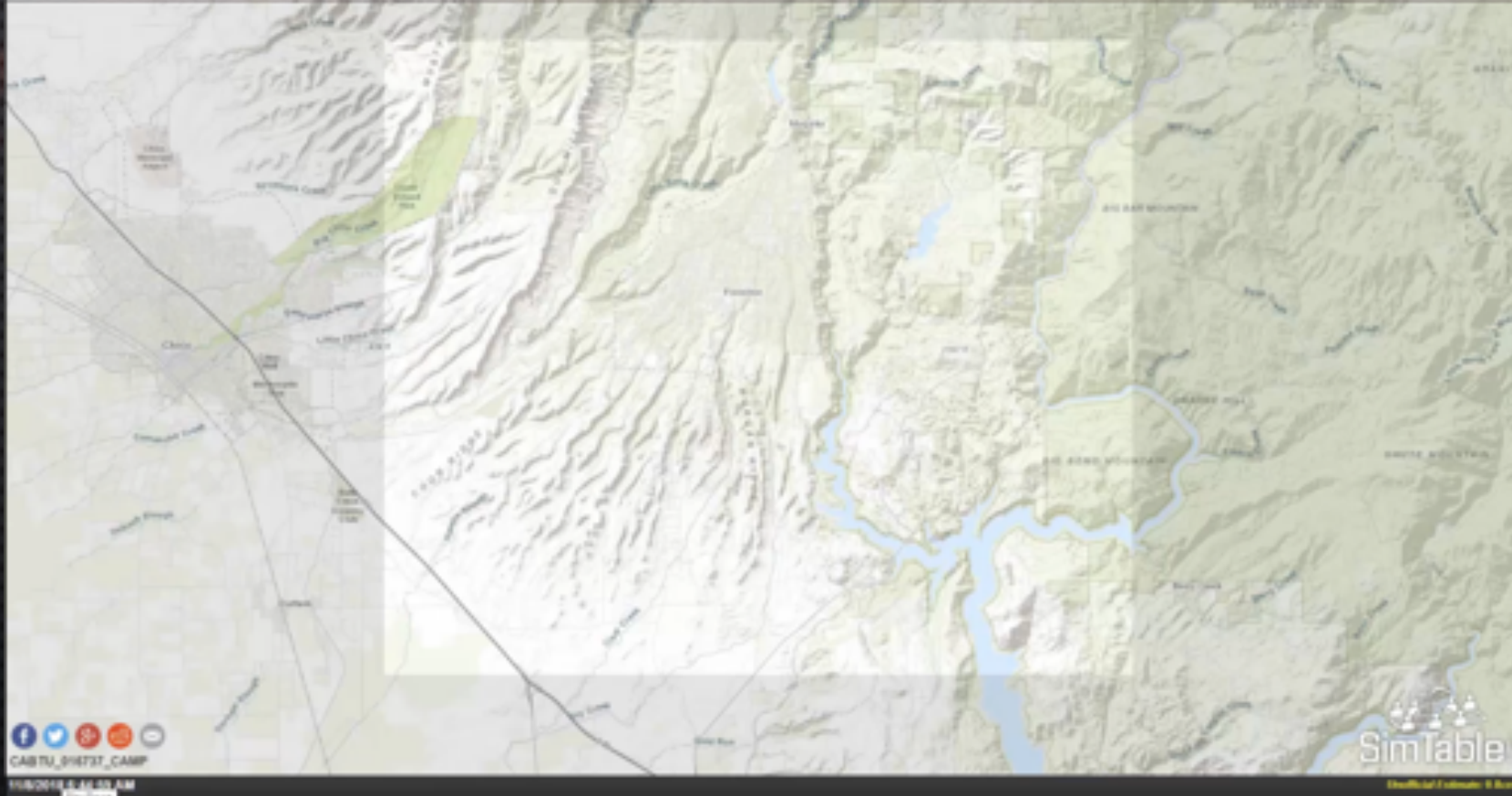


THE NEW NORMAL – LENGTH OF FIRE SEASON

AVERAGE ACREAGE BURNED ANNUALLY



WILDLAND FIRE BEHAVIOR



WILDLAND FIRE BEHAVIOR



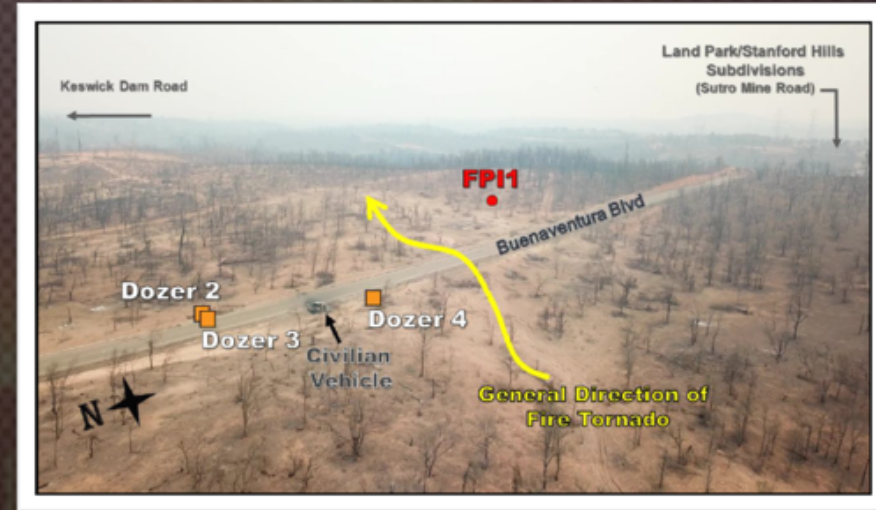
THE NEW NORMAL

CARR FIRE (2018)



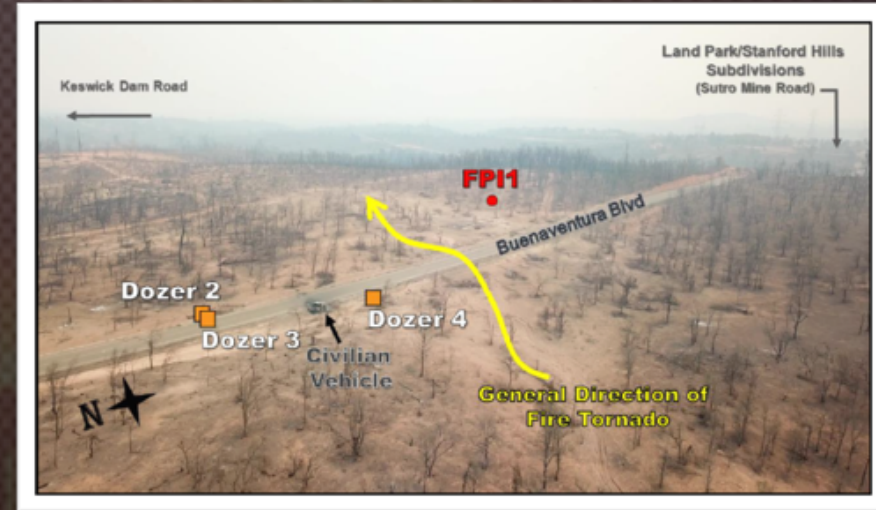
THE FRONT LINES

CARR FIRE (2018)



THE FRONT LINES

CARR FIRE (2018)



THE NEW NORMAL

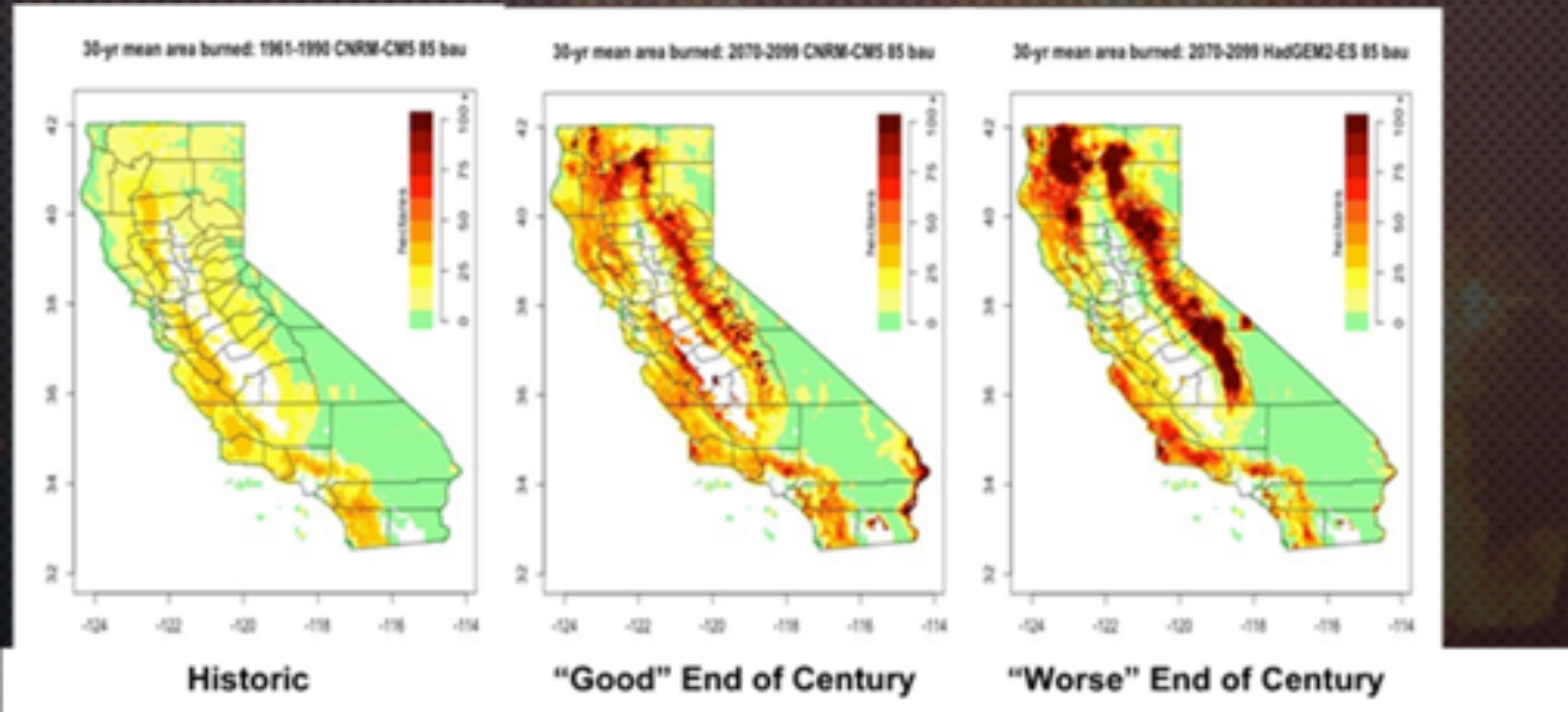
WHAT THIS MEANS IN REALITY

- FIREFIGHTING **NOT** EFFECTIVE IN THE INITIAL ATTACK
- MULTI-AGENCY COORDINATION AND COMMAND IS **REQUIRED**
- INCIDENT MANAGEMENT TEAMS DEPLOYED **MORE OFTEN** & SIMULTANEOUSLY
- WILDFIRES ARE MASS **RESCUE/CASUALTY** INCIDENTS
- EVACUATION ORDERS REQUIRED EARLIER OVER **LARGER** AREAS
- **LARGER** RESOURCE ORDERS, LONGER DEPLOYMENTS
- **LONGER** BURN PERIODS AND **PROLONGED** FIRE BEHAVIOR
- TRAFFIC CONGESTION COORDINATION NOW **NECESSARY**
- VULNERABLE POPULATIONS ARE **MOST** AT RISK



THE THREAT TO SAN MATEO COUNTY

MEAN ACRES BURNED - OUTLOOK



THE NEW NORMAL

CLIMATE CHANGE

- **WEATHER**
- VEGETATION
- LENGTH OF FIRE SEASON



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THE NEW NORMAL

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EVACUATION ZONES

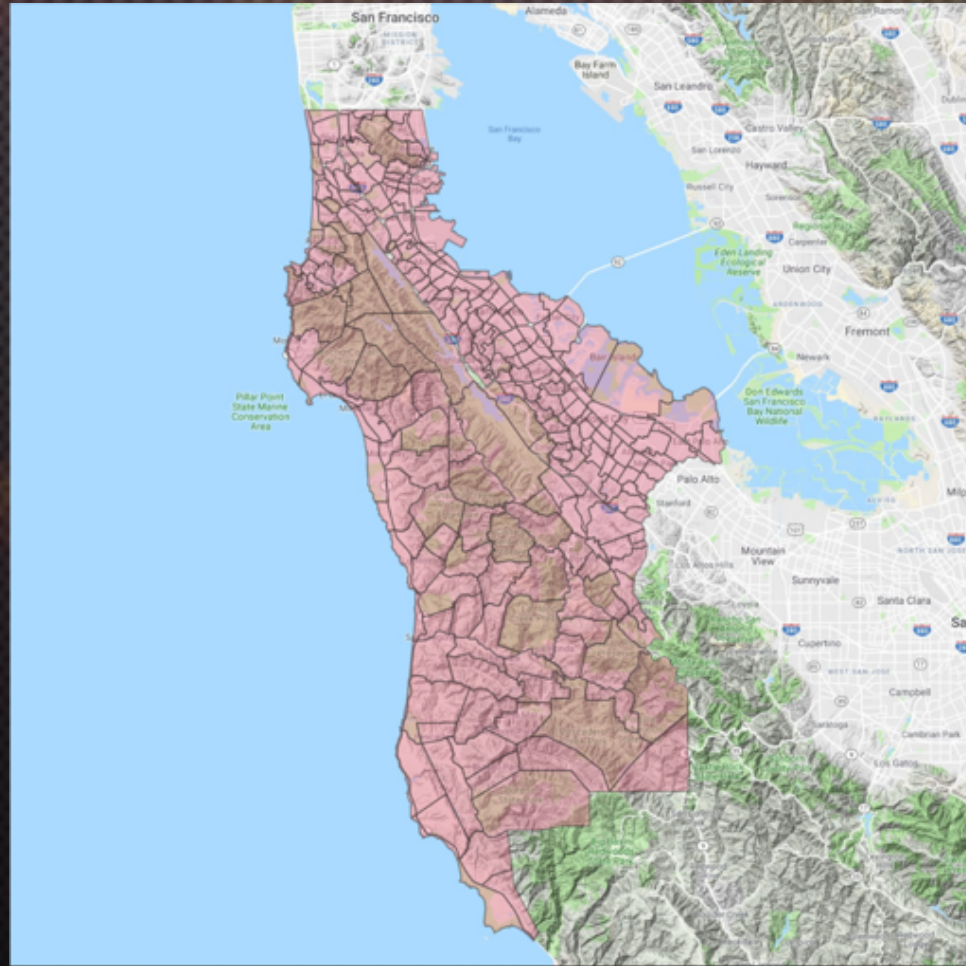
COUNTY-WIDE STANDARDIZED ZONES

- EVACUATION PLANNING IS PARAMOUNT
- MULTI-AGENCY COORDINATION IS NEEDED
- EVERYONE NEEDS TO BE ON THE “SAME SHEET OF MUSIC”
- BOARD OF SUPERVISORS ALLOCATED \$75,000 FOR COUNTY-WIDE EVACUATION ZONES
- SCIENCE AND DATA BASED ZONES CREATED (WHILE RESPECTING JURISDICTIONAL BOUNDARIES)
- PROJECT IS IN PROGRESS
- LOCAL AGENCIES ARE INVOLVED
- WILL BE COMPLETED BY THE END OF THE YEAR
- USEFUL FOR “LEFT OF BANG” AND “RIGHT OF BANG”



EVACUATION ZONES

COUNTY-WIDE STANDARDIZED ZONES



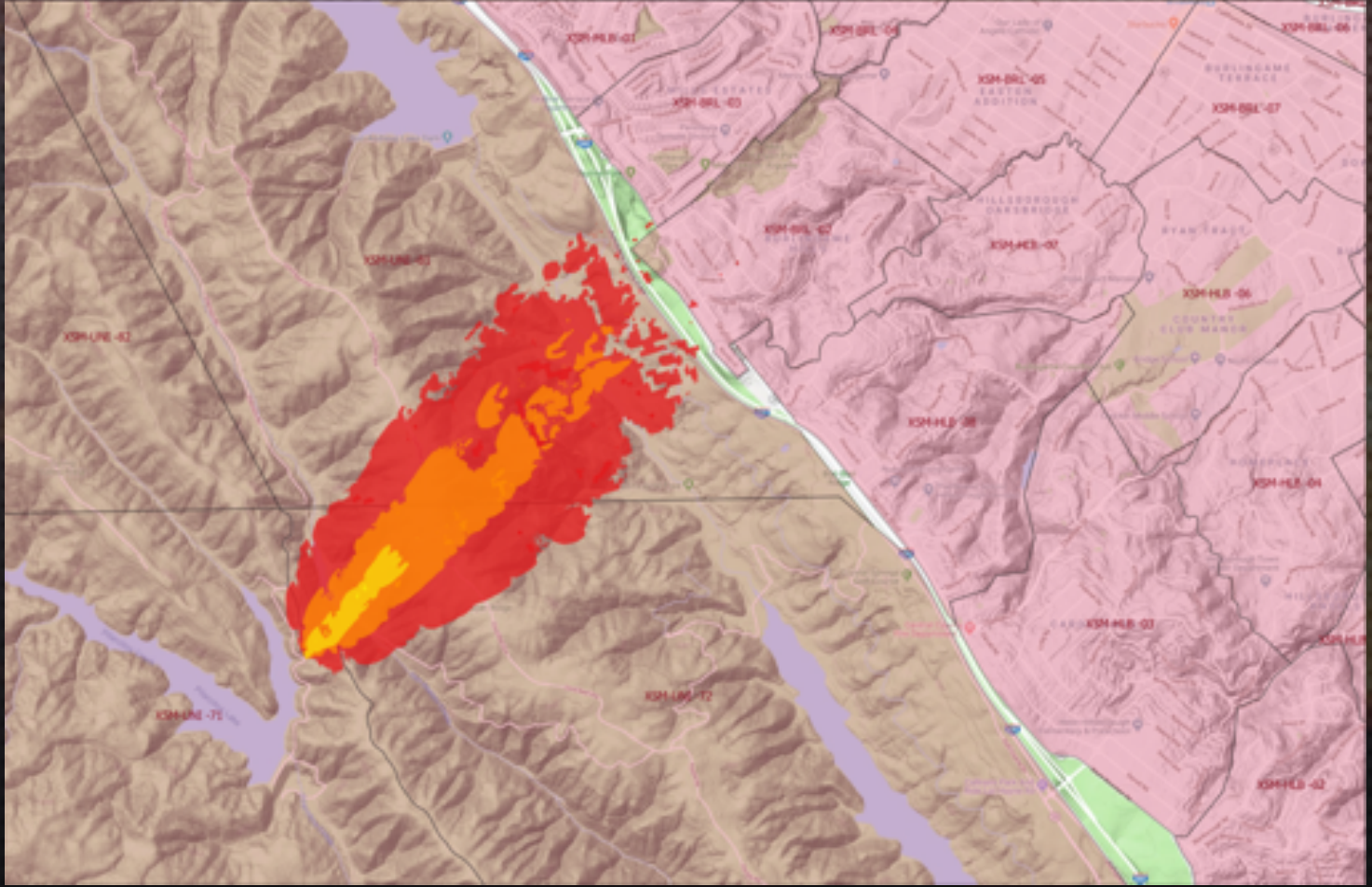
EVACUATION ZONES

COUNTY-WIDE STANDARDIZED ZONES



EVACUATION ZONES

COUNTY-WIDE STANDARDIZED ZONES



THANK YOU!

LET'S STAY IN TOUCH

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