

# OVERVIEW OF THE CALIFORNIA 2020 FIRE SEASON AND UPDATES ON THE POINT REYES WOODWARD FIRE

One Tam Virtual Summit on Climate: Change and Resilience October 8, 2020

# ONE TAM SUMMIT ON CLIMATE: CHANGE AND RESILIENCE OVERVIEW



#### PRESENTATION OUTLINE

- 2020 FIRE SEASON SUMMARY
- FIRE ECOLOGY 101
- WOODWARD FIRE IN DETAIL



### ONE TAM SUMMIT ON CLIMATE: CHANGE AND RESILIENCE 2020 CALIFORNIA FIRE SEASON



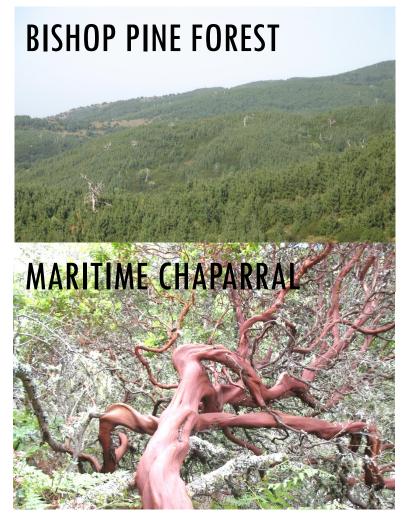


#### 2020 CA FIRE SEASON TO DATE

- >4 MILLION ACRES BURNED
- ESTIMATED 90 MILLION METRIC TONS CARBON EMITTED
- >1 BILLION IN SUPPRESSION COSTS
- IMMEASURABLE HUMAN IMPACTS



#### FIRE REGIME: THE PATTERN OF HOW FIRE BURNS IN A GIVEN ECOSYSTEM



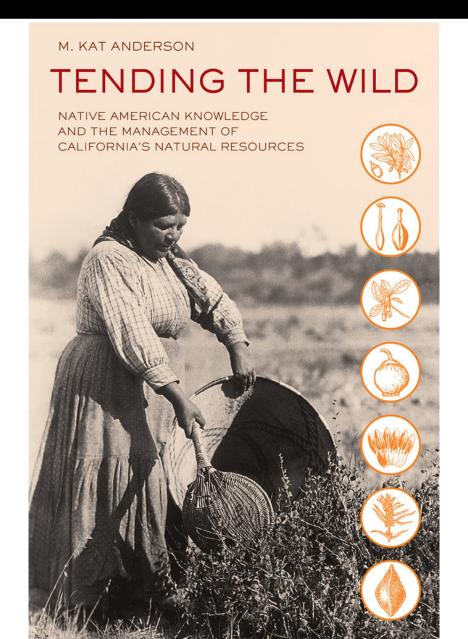
HIGH SEVERITY
LOW FREQUENCY
FIRE REGIME



LOW SEVERITY
HIGH FREQUENCY
FIRE REGIME

CAN TOLERATE A
RANGE OF
SEVERITY &
FREQUENCY





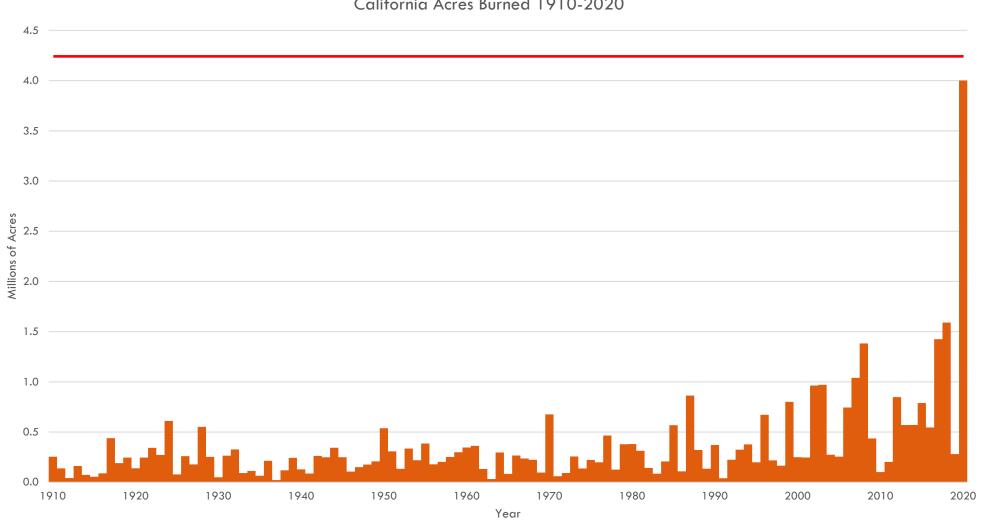


"The grass was burned every year. The fires were started and allowed to burn in every place. Burning was to make the weeds grow better and to keep down the brush." - Pomo Indian oral history













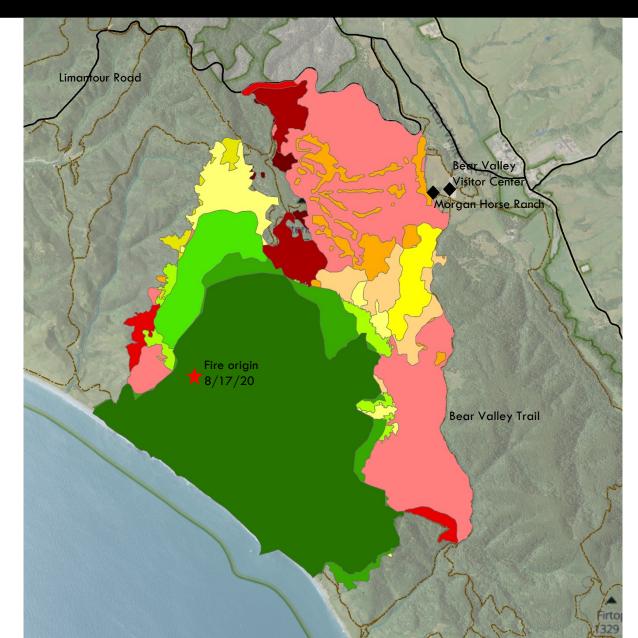


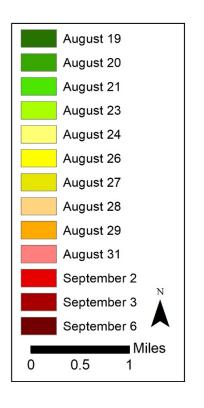


- DISCOVERED ON MONDAY 8/17 APPROXIMATELY 5 ACRES
- TUESDAY 8/18: 700 ACRES
- WEDNESDAY 8/19: 2000 ACRES
- SATURDAY 8/22: TYPE 1 INCIDENT MANAGEMENT TEAM ARRIVES; 2500 ACRES
- MUCH OF REMAINING GROWTH DUE
   TO BURN OUT; NOW 5,011 ACRES









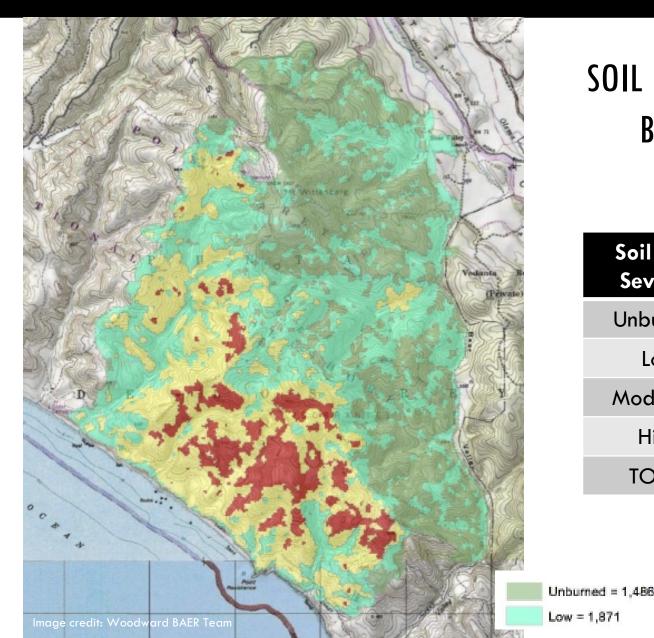












# SOIL BURN SEVERITY BASED ON 9/14 BURNED AREA REFLECTANCE CLASSIFICATION DATA

Soil Burn Severity	Acres	Percentage
Unburned	1,486	30%
Low	1,871	37%
Moderate	1,230	25%
High	424	8%
TOTAL	5,011	

Moderate = 1.230























# KEY ELEMENTS OF POST-FIRE RESPONSE

- REPAIR DOZER LINES, HAND LINES, DROP POINTS, ETC
- STABILIZE CULTURAL SITES
- HAZARD TREE SURVEILLANCE & MITIGATION
- TRAILS & FENCE REPAIR
- INVASIVE PLANT MANAGEMENT

#### Fire Suppression Repair Plan

#### Woodward

CA-RNP-12009

September 2020

Prepared by Cedar Drake, Lead READ



#### **Interagency Burned Area Rehabilitation Guidebook**

Interpretation of Department of the Interior 620 DM 3
For the Burned Area Rehabilitation of Federal and Tribal Trust
Lands
Version 1.3



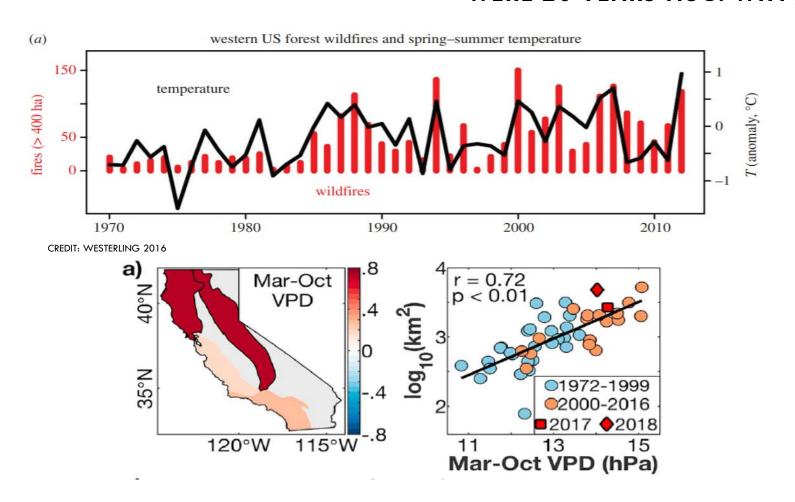
# ONE TAM SUMMIT ON CLIMATE: CHANGE AND RESILIENCE CONCLUSIONS







# FIRE SEASONS ARE DIFFERENT THAN THEY WERE 20 YEARS AGO. WHY?



- 100 YEARS OF FIRE SUPPRESSION & "FIRE DEFICIT" IN SOME REGIONS
- EXPANDING DEVELOPMENT AND INCREASED WILDLAND URBAN INTERFACE
- CLIMATE CHANGE, LONGER FIRE SEASONS AND DRIER FUELS





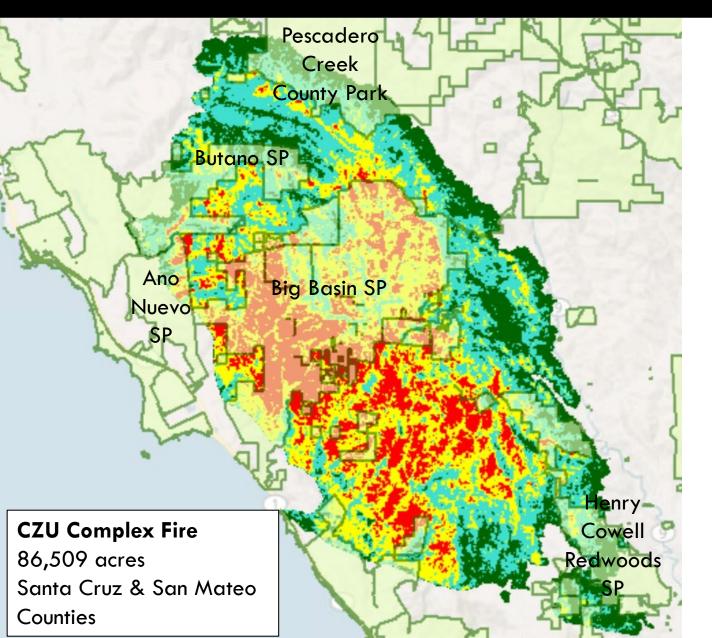
#### WIND DRIVEN FIRES

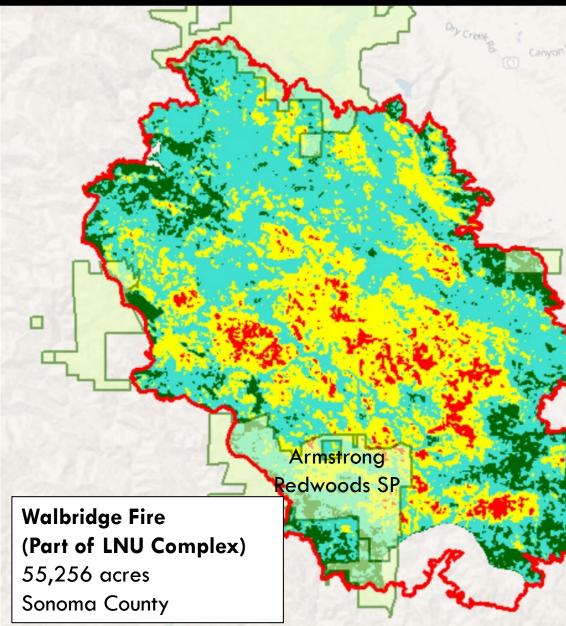


**FUELS DRIVEN FIRES** 

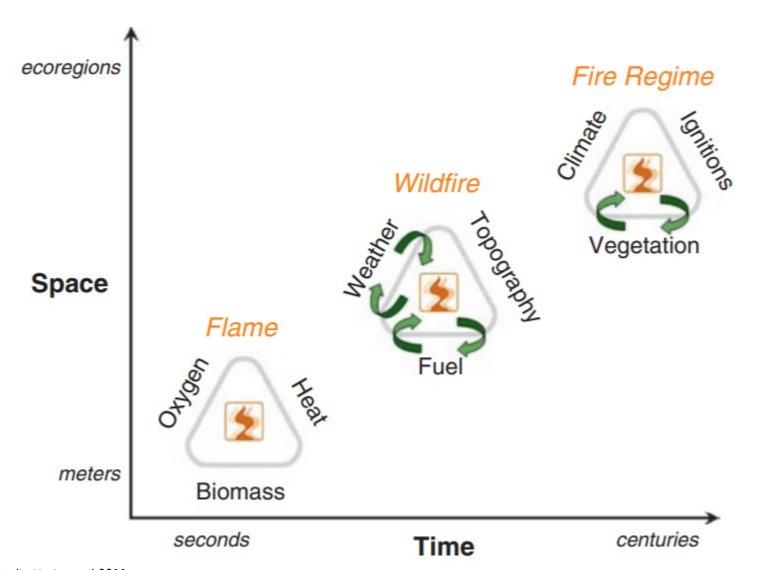
# ONE TAM SUMMIT ON CLIMATE: CHANGE AND RESILIENCE OTHER 2020 COASTAL FIRES











FIRE REGIME: LONG TERM
PATTERNS IN FIRE
FREQUENCY, SIZE, SEVERITY &
SEASONALITY IN A GIVEN
LOCATION OR ECOSYSTEM



