

Woolsey Fire, 10 Nov. 2018



Post-Woolsey Fire, 23 March 2019





Plant Biology Class



Santa Monica Mountains - Island of Chaparral



KGR

Santa Monica Mountains – Urban Wildlife Interface



Wildfire History of Malibu/Pepperdine



Malibu, 1935

28,195 acres



Wright, 1970

28,202 acres



Calabasas, 1996

12,513 acres



Woodland Hills, 1943

14,919 acres



Piuma, 1985

5,391 acres



Canyon, 2007

3,839 acres



Unnamed, 1958

18,120 acres



Old Topanga, 1993

16,468 acres



Woolsey, 2018

96,949 acres

Santa Moníca Mountains - Chaparral





1985

Big Pod Ceanothus

Green Bark Ceanothus

Laurel Sumac



Big Pod Ceanothus

Laurel Sumac



Premature Fire

- seedlings not mature
- non-sprouters eliminated
- cool burn
- weed seeds survive
- weeds displace natives
- weeds cause frequent fire
- vegetation-type conversion







2007

An aerial photograph of a hillside under a clear blue sky. The hillside is covered with a mix of green shrubs and dry, yellowish-brown grass. A distinct diagonal line of denser green vegetation runs from the lower left towards the center of the hill. The top of the hill is rocky and less vegetated. The overall scene suggests a natural landscape undergoing ecological change.

1985

1993

1996

2007

2018

1985

2007

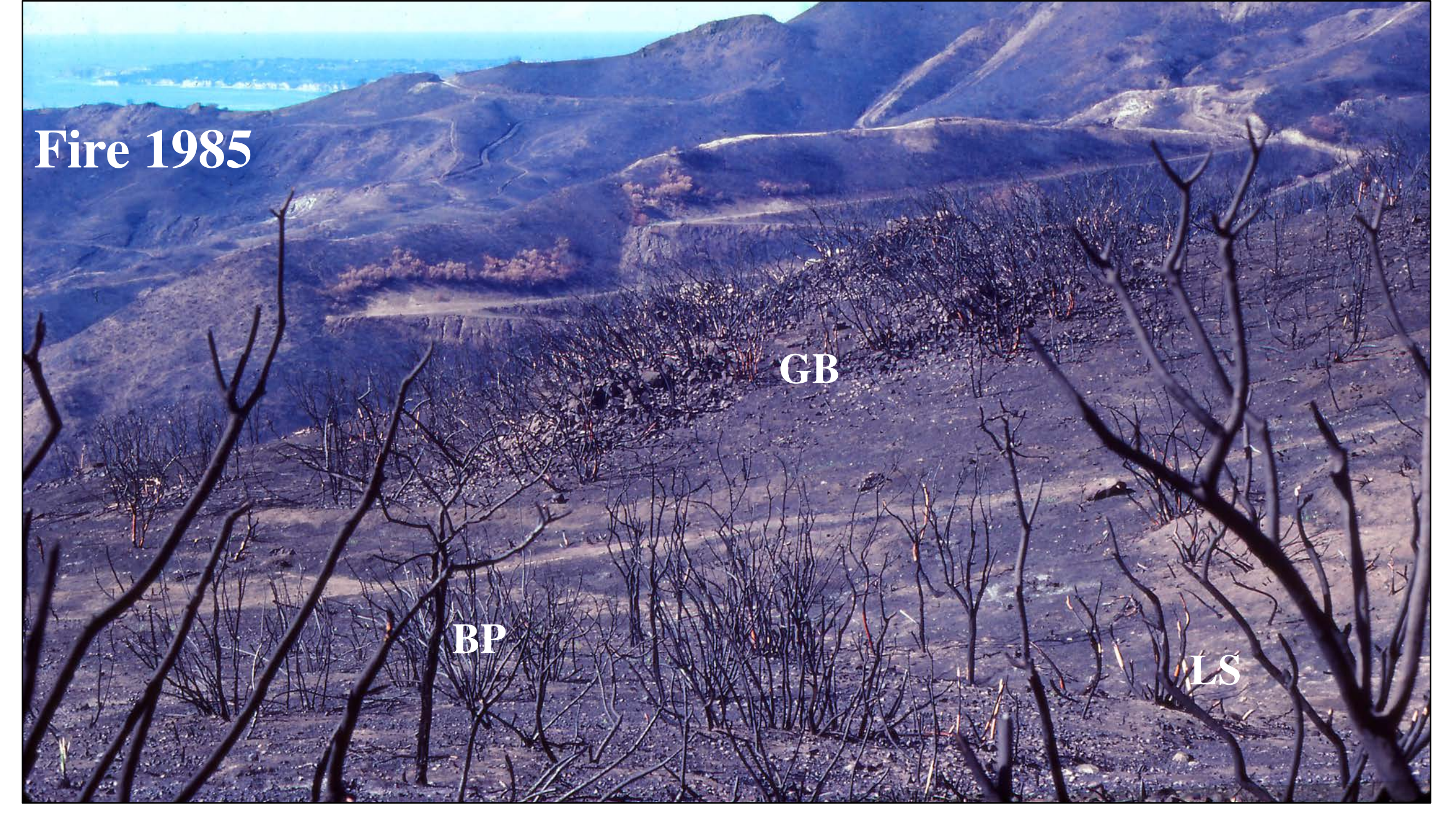


1985

Big Pod Ceanothus

Green Bark Ceanothus

Laurel Sumac



Fire 1985

GB

BP

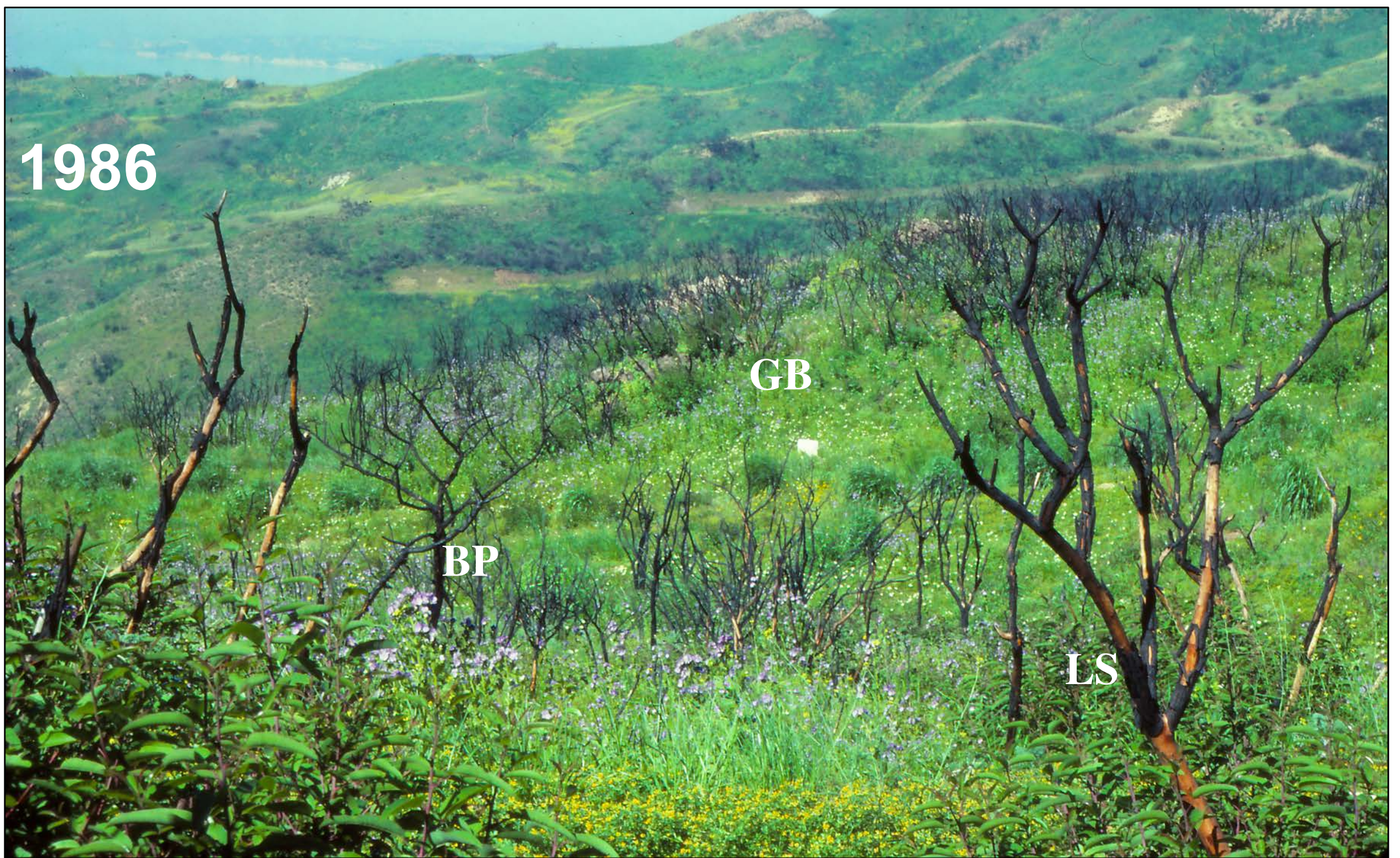
LS

1986

GB

BP

LS



1992



Fire 1993



1994



Fire 1996



1997





Fire 2007

Oct 2018

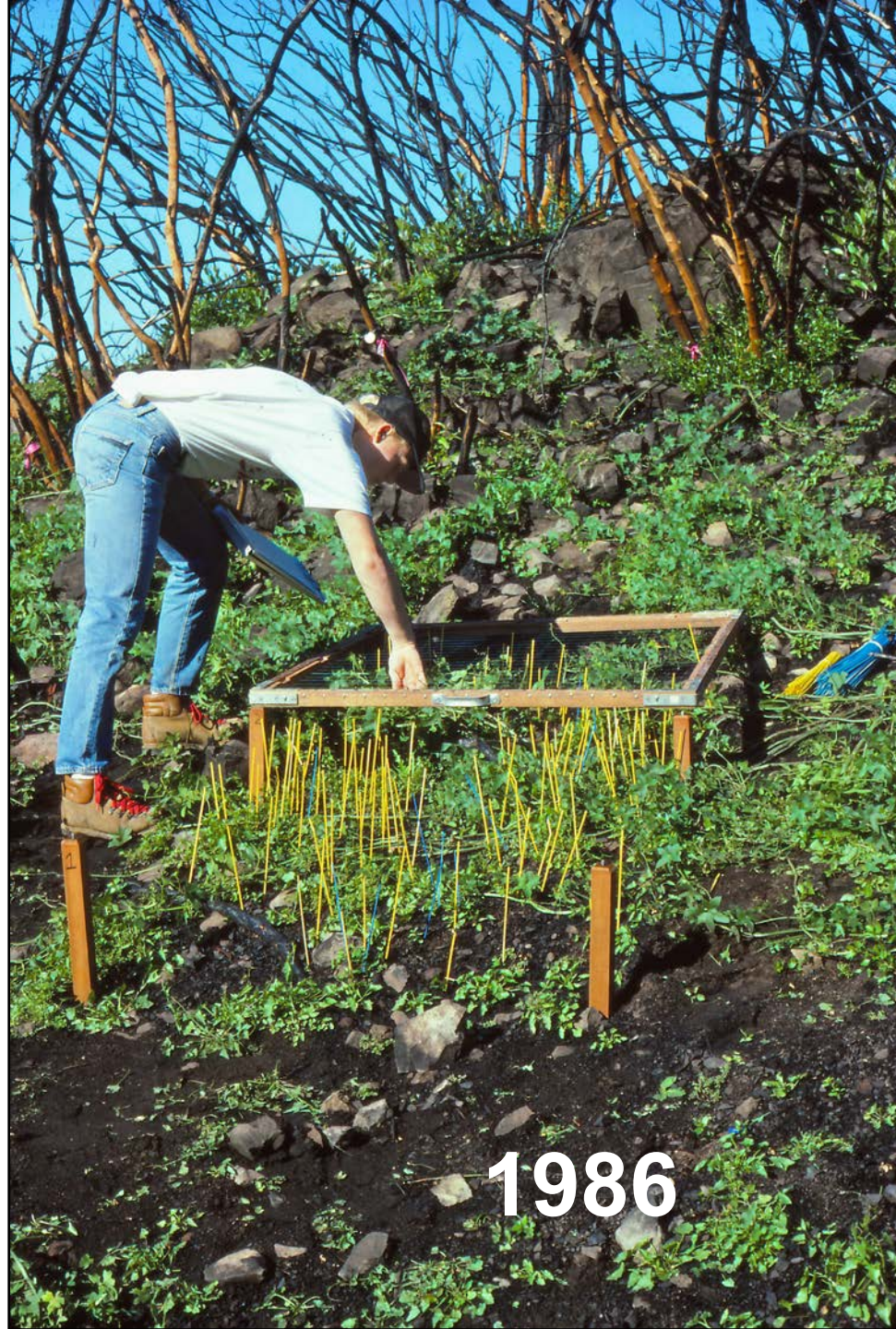


Woolsey Fire 10 Nov. 2018

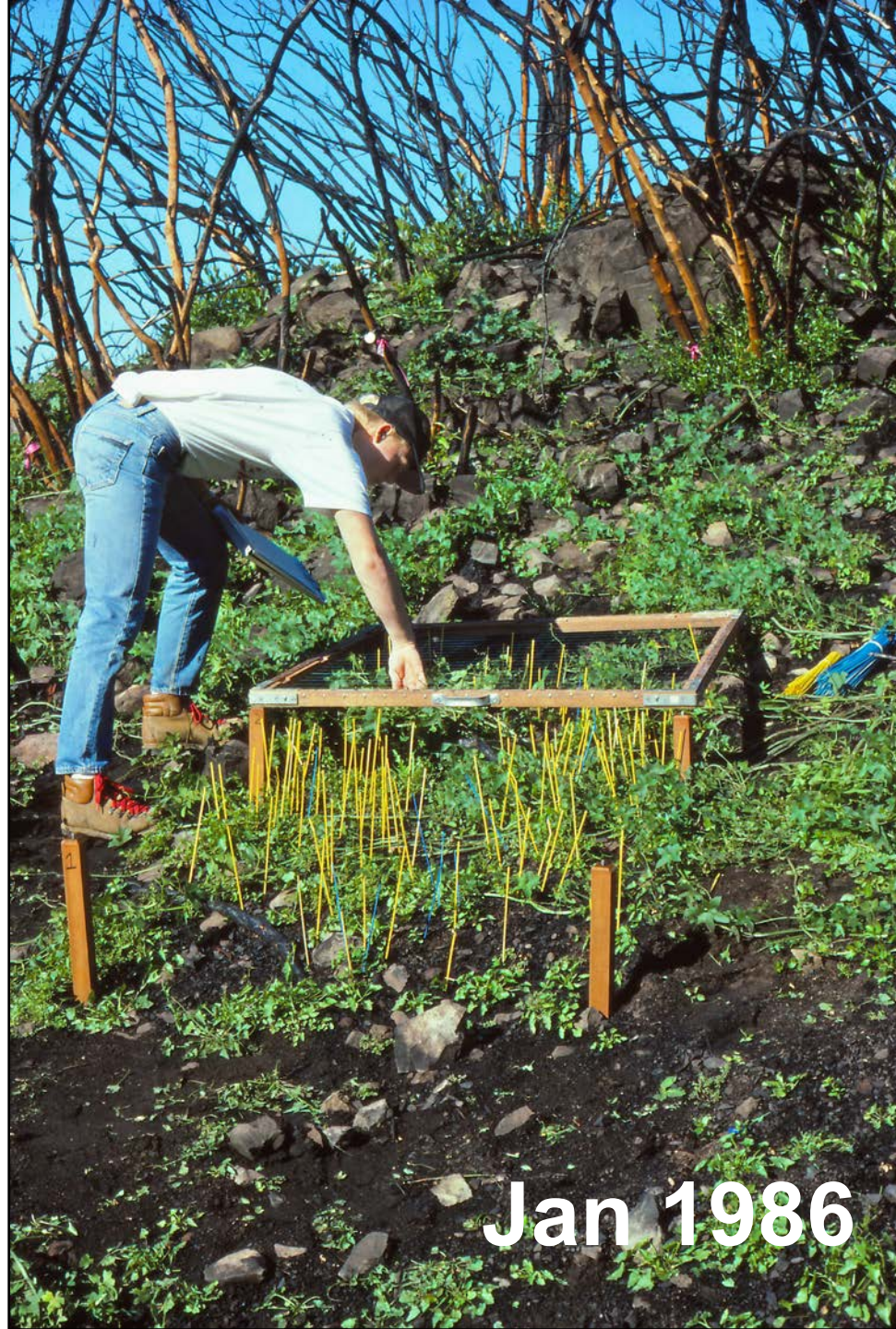




Fire 2018



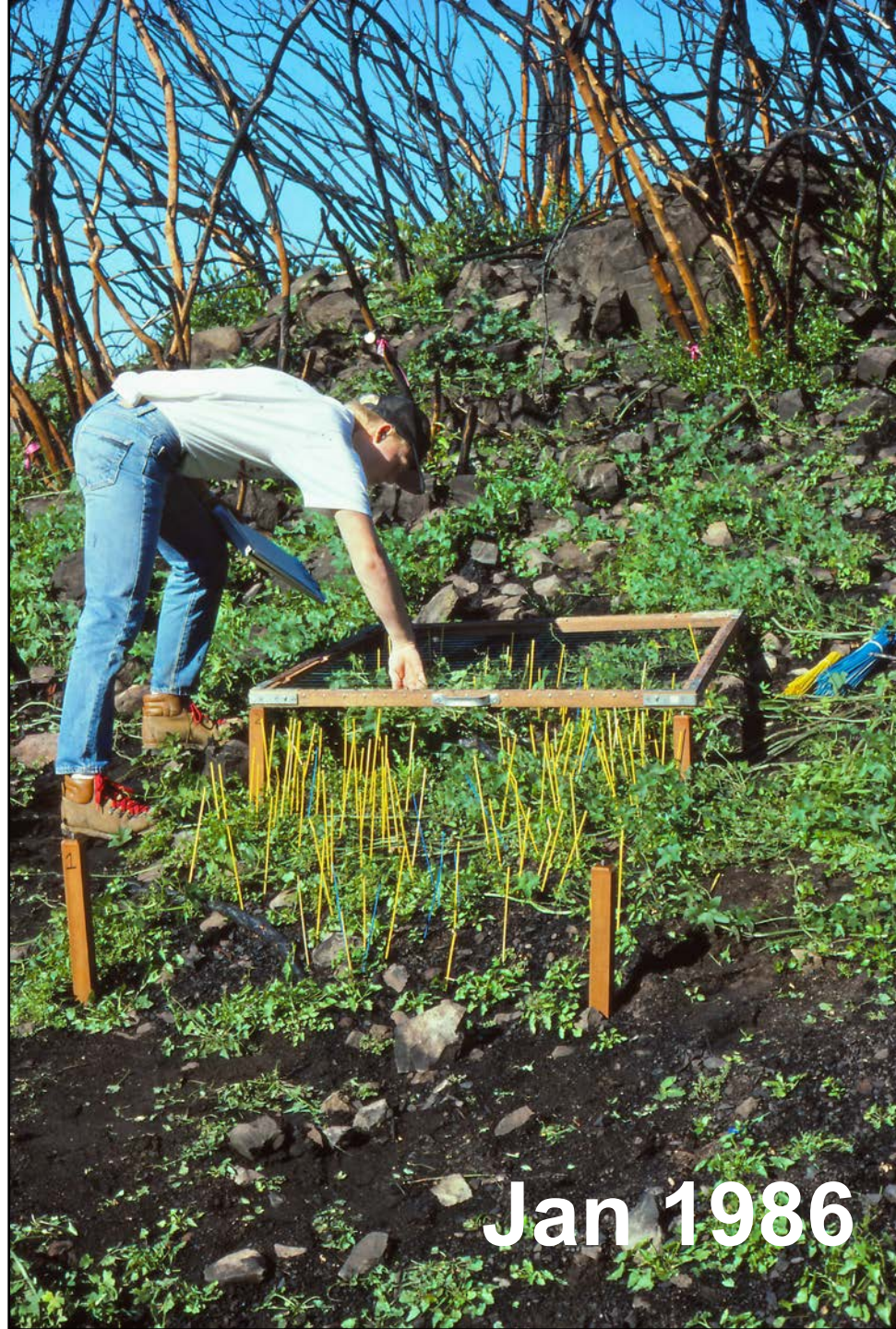
1986



Jan 1986



Jan 2019



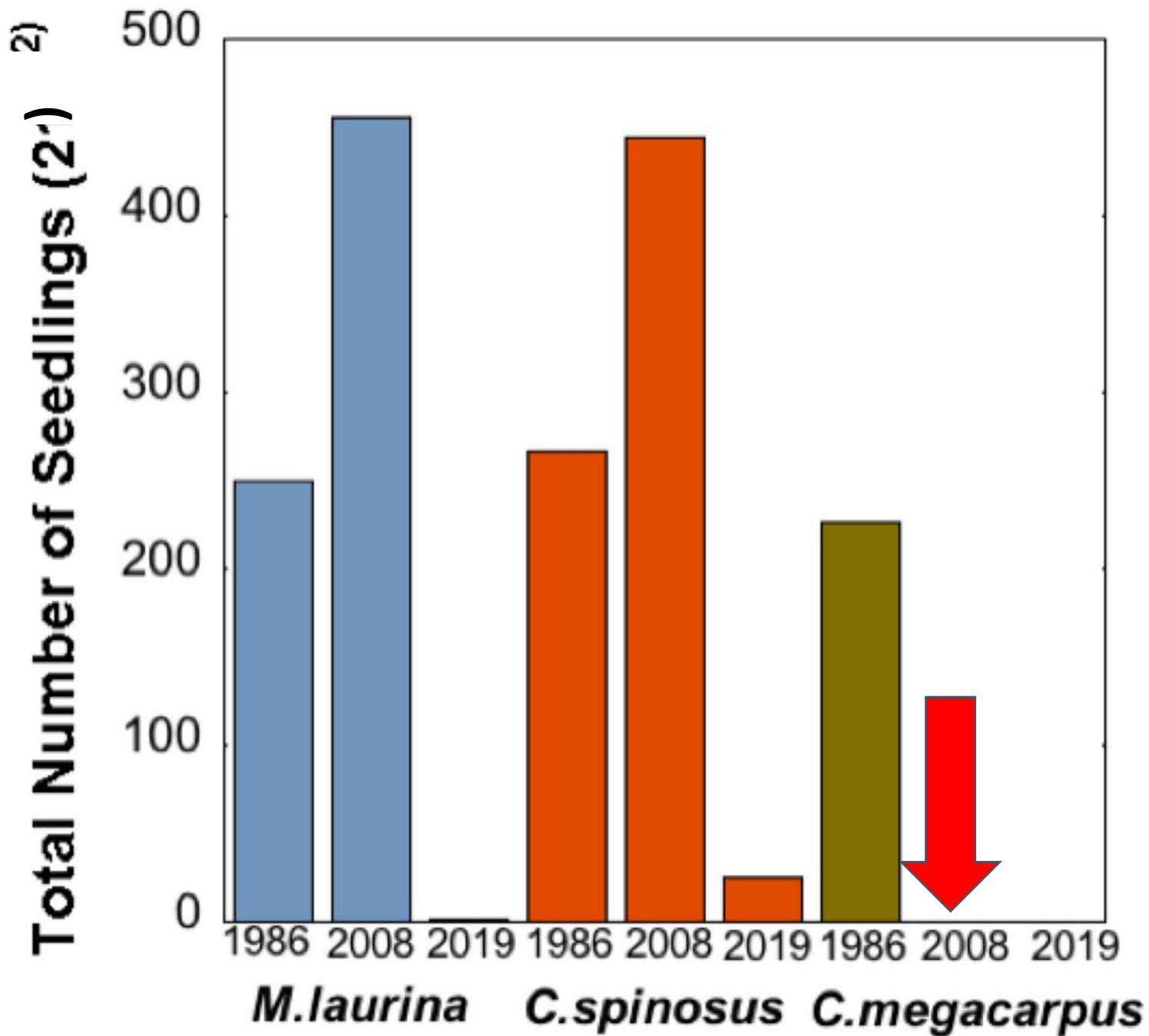
Jan 1986



May 2019







1985

1993

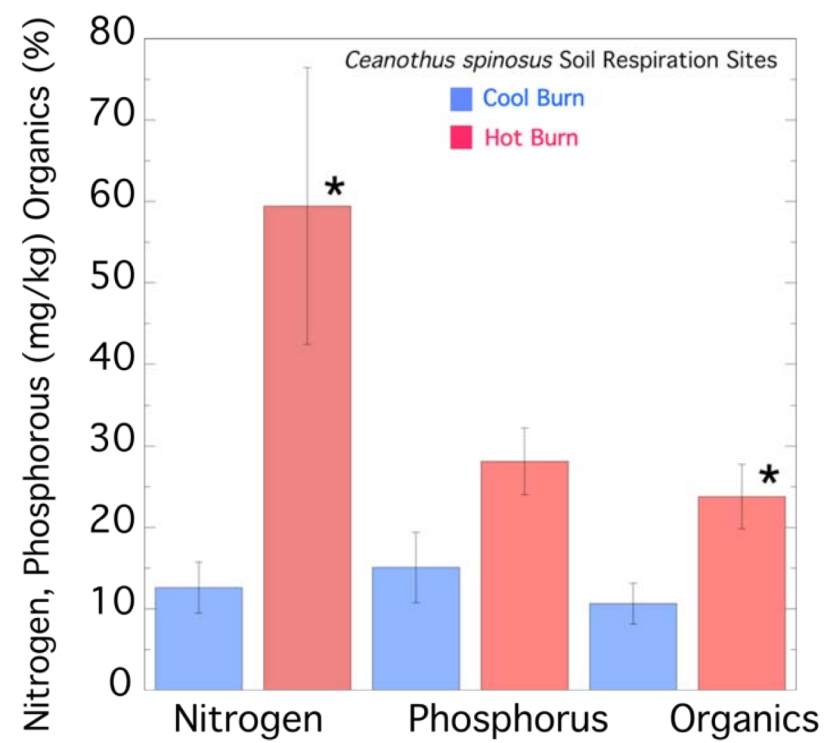
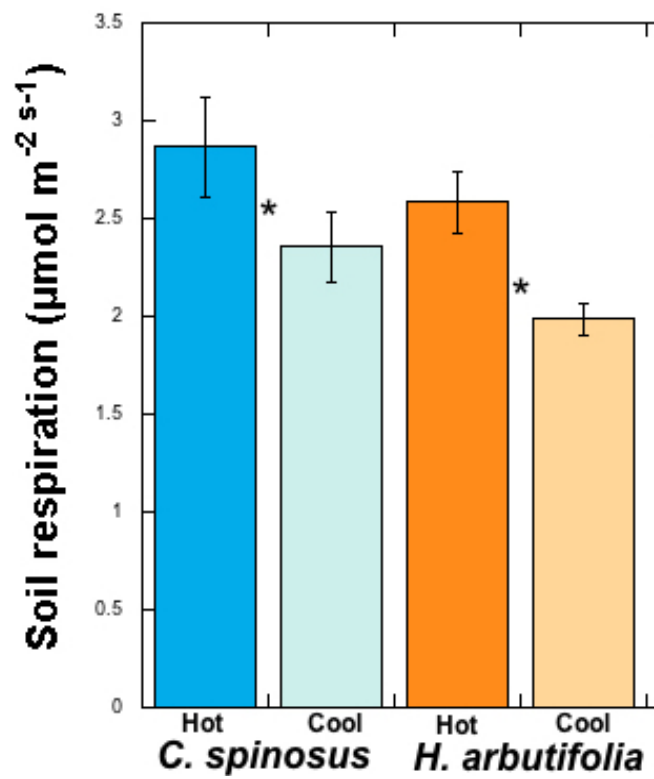
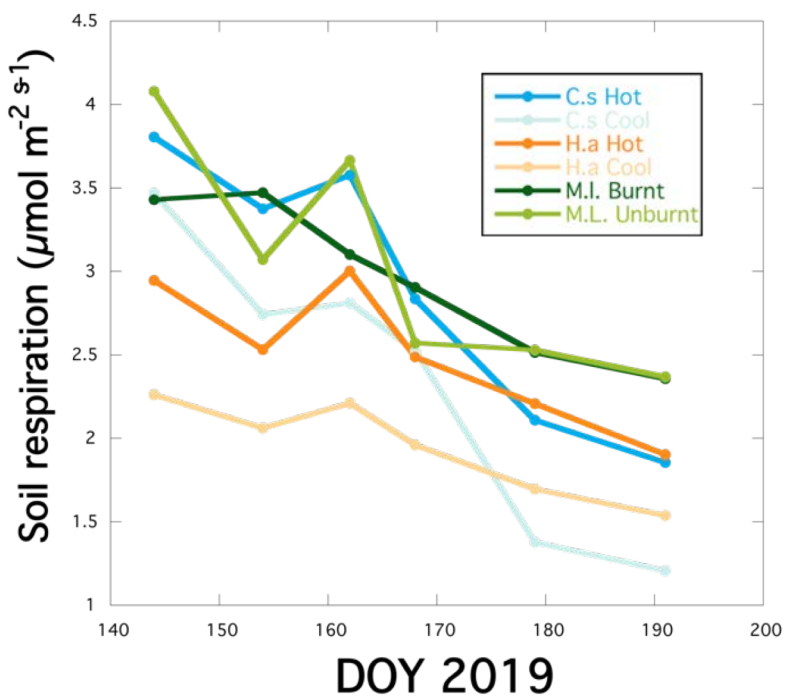
1996

2007

2018

















30 Oct. 2018

