

Chamnee

Park

After the Fire

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Purpose

Post-fire Succession and
California Sage Scrub

Woolsey Fire of 2018



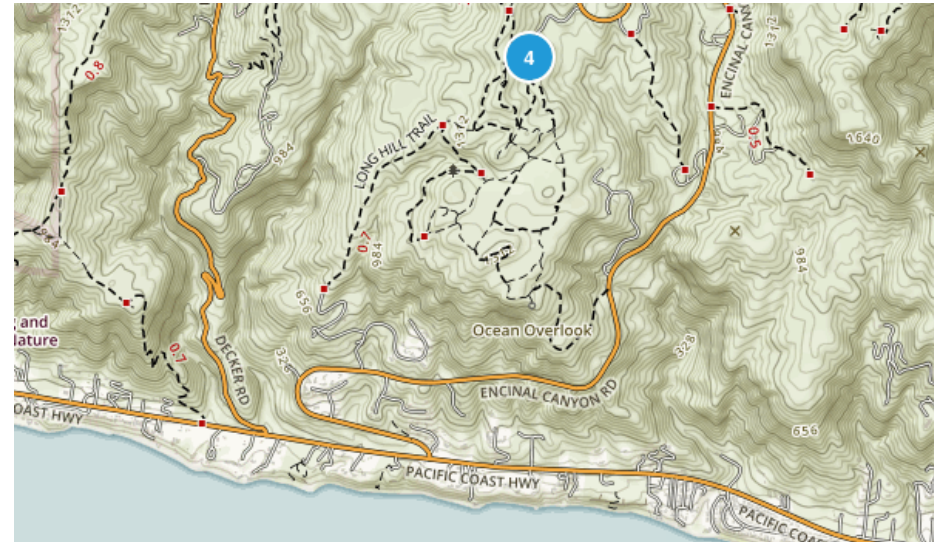
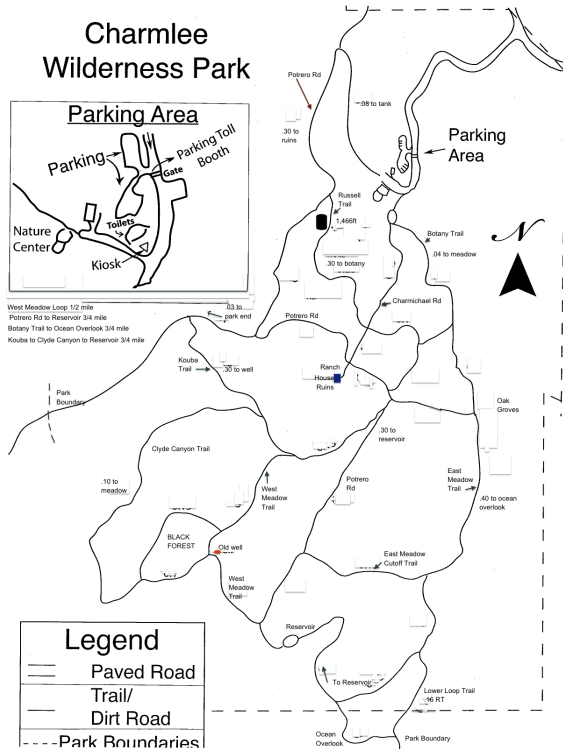
CSS California Sage Scrub



Methodology

Archival data from 2013-2018

Comparison to the present



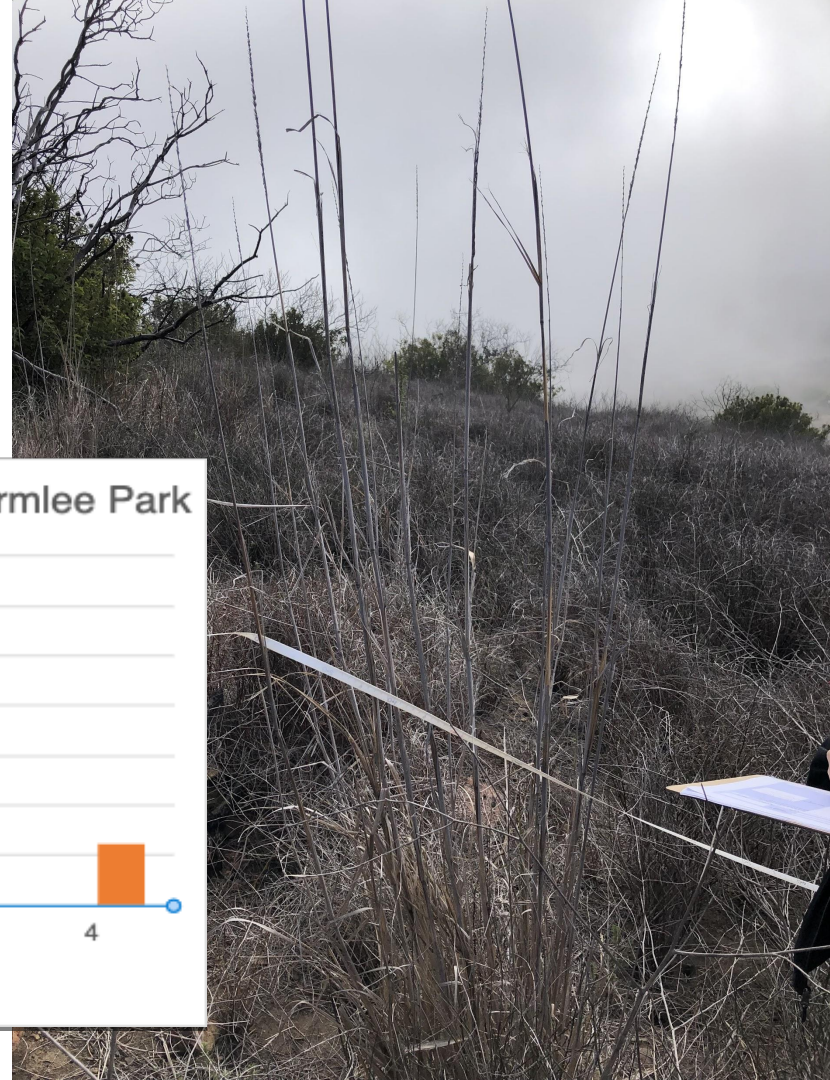
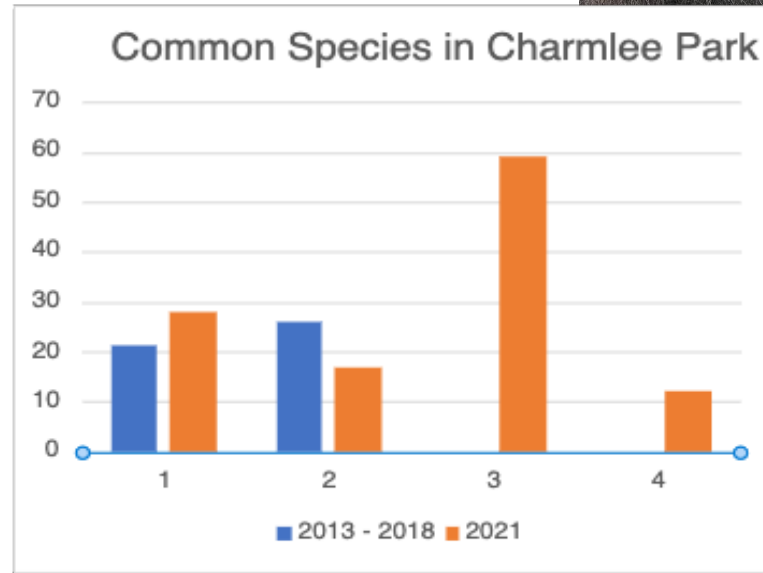
Methodology

20m transects
8 points
21 species
168 count total



Results

- Artemisia californica*
Baccharis pilularis
Spartium junceum
Rhus ovata



Results

0.00% chance for this to be a random event

VAR 1	Past	VAR 2	Present
	a		b
Obs	21		28
Exp	14.129		34.871
	c		d
Obs	26		17
Exp	12.399		30.601
	e		f
Obs	0		59
Exp	17.012		41.988
	g		h
Obs	0		12
Exp	3.460		8.540

Alpha, Power, (beta)
statistically significant

X^2_{calc}	54.428
<i>alpha</i>	0.10
df	3
X^2_{crit}	6.251
prob	0.00000

(effect size measure) Cramér's V 0.578

Corrected power (Rodrigue) 1.000



What Does it Mean?

Discussion

Invasive and Exotic Species

Ecological Succession as
statistically significant

Concluding Thoughts



How is this important?

California Climate and Wildfire

For next time