

**Sequoia Kings Canyon National Parks
Fuel Break Summary for Three Sites**

I. Shepard's Saddle

	Off fuel break	On fuel break	Total
% Nonnative Plant Cover (across all plots)	35%	49%	40%
% Nonnative Plant Cover (in plots where they occur)	37%	49%	41%
Number Species	66	47	80
Number Native*	48	29	58
Number Nonnative*	16	18	20
Frequency Nonnatives (% of plots)	93%	100%	96%
Highest Total Cover (Native)	<i>Madia elegans</i>	<i>Holocarpha heermannii</i>	<i>Madia elegans</i>
Highest Total Cover (Nonnative)	<i>Bromus hordeaceus</i>	<i>Bromus hordeaceus</i>	<i>Bromus hordeaceus</i>

* native/nonnative status could not be determined for two species

Mineral King Lookout Point Fire line

	Off fuel break	On fuel break	Total
% Nonnative Plant Cover (across all plots)	5	12	7
% Nonnative Plant Cover (in plots where they occur)	16	18	17
Number Species	38	26	42
Number Native*	31	20	35
Number Nonnative*	3	3	3
Frequency Nonnatives (% of plots)	30%	72%	39%
Highest Total Cover (Native)	<i>Quercus chrysolepis</i>	<i>Arctostaphylos mewukka</i>	<i>Arctostaphylos mewukka</i>
Highest Total Cover (Nonnative)	<i>Bromus tectorum</i>	<i>Bromus tectorum</i>	<i>Bromus tectorum</i>

Four species could not be identified as native or nonnative.

Lewis Creek Fire Line

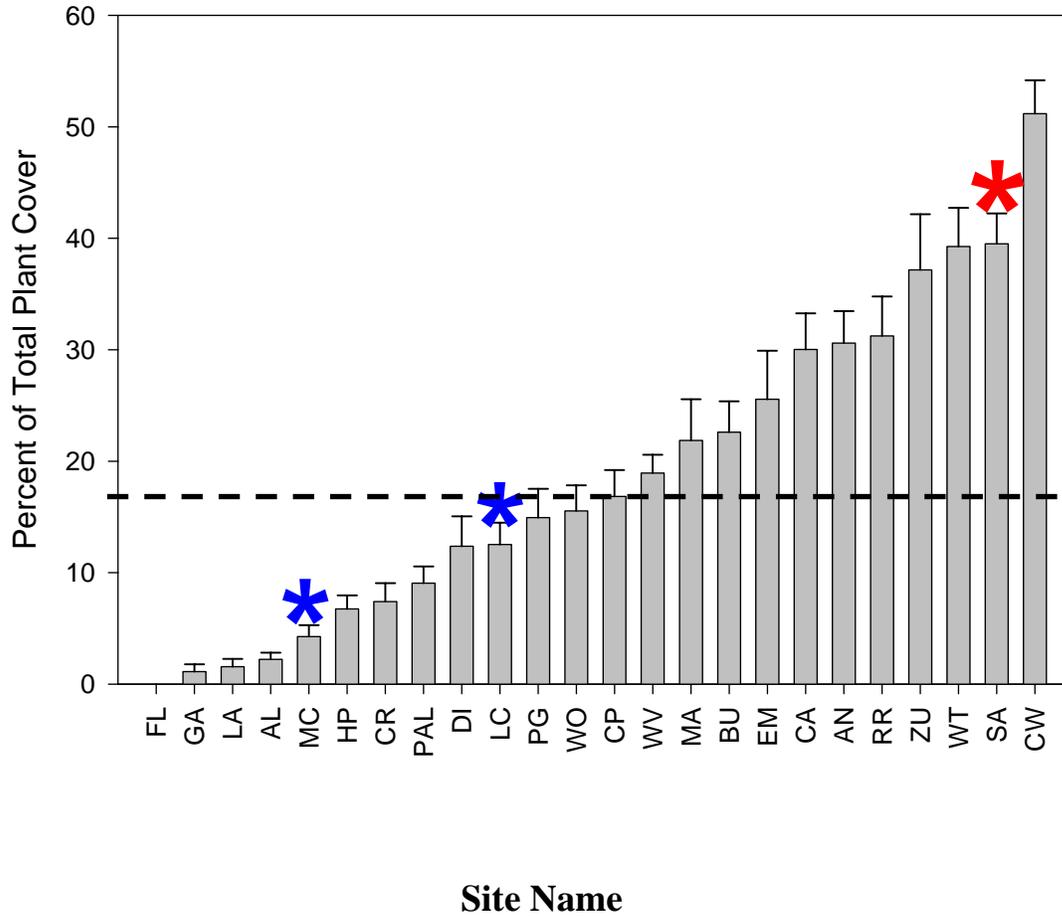
	Off fuel break	On fuel break	Total
% Nonnative Plant Cover (across all plots)	12	13	13
% Nonnative Plant Cover (in plots where they occur)	26	22	25
Number Species	50	37	55
Number Native*	40	30	46
Number Nonnative*	3	2	3
Frequency Nonnatives (% of plots)	46%	60%	50%
Highest Total Cover (Native)	<i>Quercus chrysolepis</i>	<i>Allophylum integrifolium</i>	<i>Quercus chrysolepis</i>
Highest Total Cover (Nonnative)	<i>Bromus tectorum</i>	<i>Bromus tectorum</i>	<i>Bromus tectorum</i>

Seven species could not be identified as native or nonnative

III. Selected Figures

- A. Shepard Saddle (*) had much higher nonnative species cover than our other two sites in Sequoia and Kings Canyon National Park (*), the Mineral King Heliport fuel break and the Lewis Creek fuel break in Cedar Grove.

Site Variation in Nonnative Plant Cover



B. Nonnative plant cover was significantly higher on the Shepard Saddle fuel break than at the Lewis Creek or Lookout Point fire lines. Relative nonnative plant cover was also significantly higher on the Shepard's Saddle and Lookout fire lines than in the adjacent wildland off of the fuel break. However, there was no difference in relative nonnative plant cover at the Lewis Creek Fire Line.

Relative Nonnative Cover

