

Weeds After Woolsey

Did a decade of weed control pay off following the largest fire in the Santa Monica Mountains?



U. S. Depa

November 8 – 22, 2018
Largest Fire
96,949 total acres
45% NRA

Woolsey Fire start 11/8/2018, 2:32 PM

Burn Area (90,885 acres) *

Santa Monica Mountains National Recreation Area

Backbone Trail

Park Lands

- National Park Service
- State and Local Park Lands

General Land Use

- Natural area
- Agriculture
- Developed
- Water

Map projection UTM Zone 11, NAD83 datum
 Map by NPS-SAMO Fire GIS, 5/3/2019

Woolsey Fire Start 11/8/2018, 2:32 PM

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 Santa Monica Mountains
National Recreation Area

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General Land Use

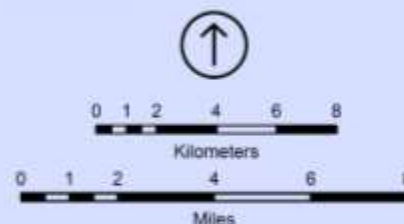
Natural area

Agriculture

Developed

Water

* By NPS & LACFD, revised based on BARC imagery and post-fire orthophotos not available during the incident.



Map projection UTM Zone 11, NAD83 datum

Map by NPS-SAMO Fire GIS, 5/3/2019

Agency-Owned Total Acres Burned

Partner Agency	Woolsey Fire Acres Burned	Agency-owned Acres within SMMNRA	Percent Burned within SMMNRA
National Park Service 	20,670	23,660	87%
California Dept. of Parks and Recreation	10,263	36,135	28%
Mountains Recreation and Conservation Authority	7,820	14,767	53%
Santa Monica Mountains Conservancy	752	3,006	25%
Grand Total	39,505	77,568	51%

Urban Wildland Interface

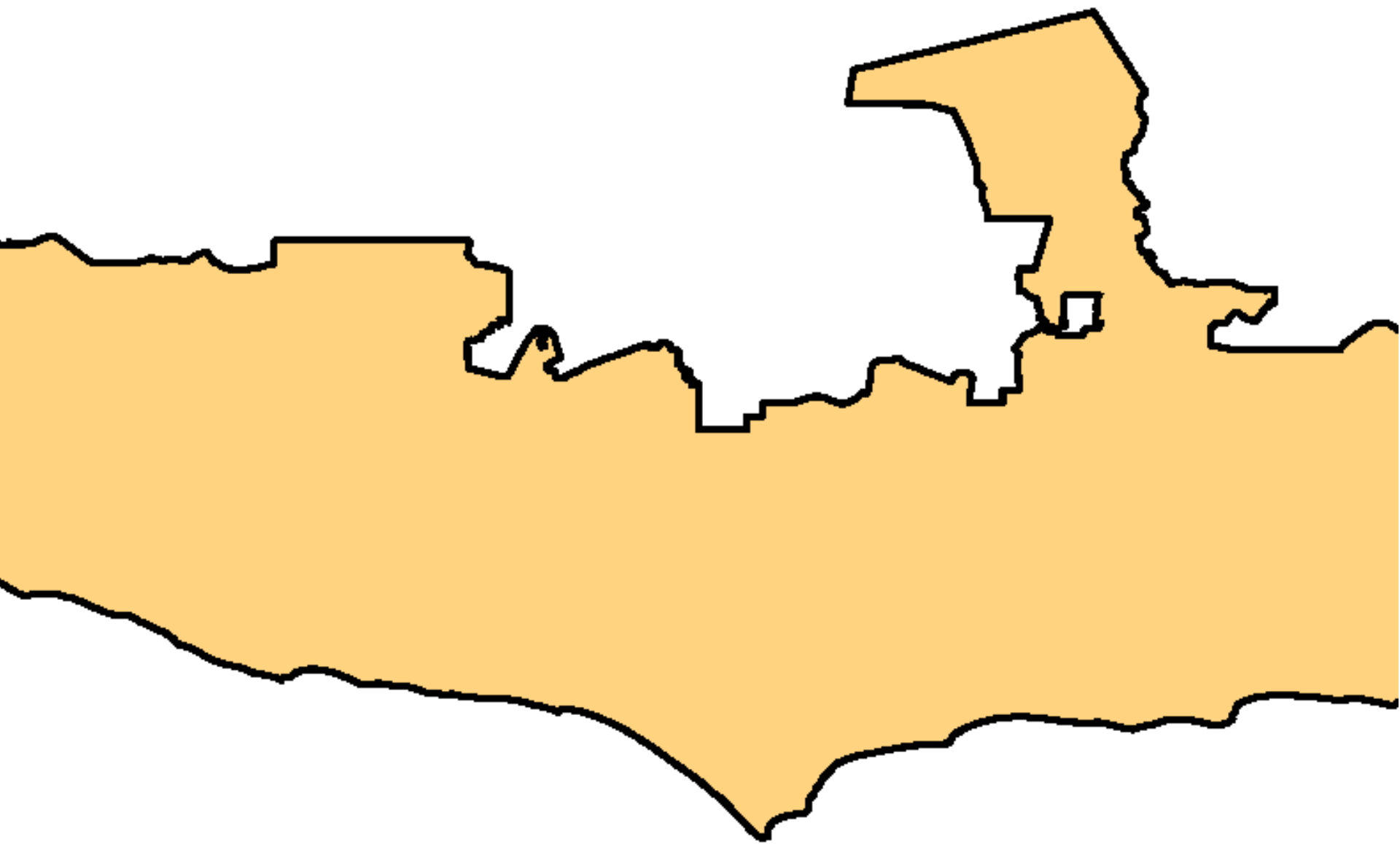


Community

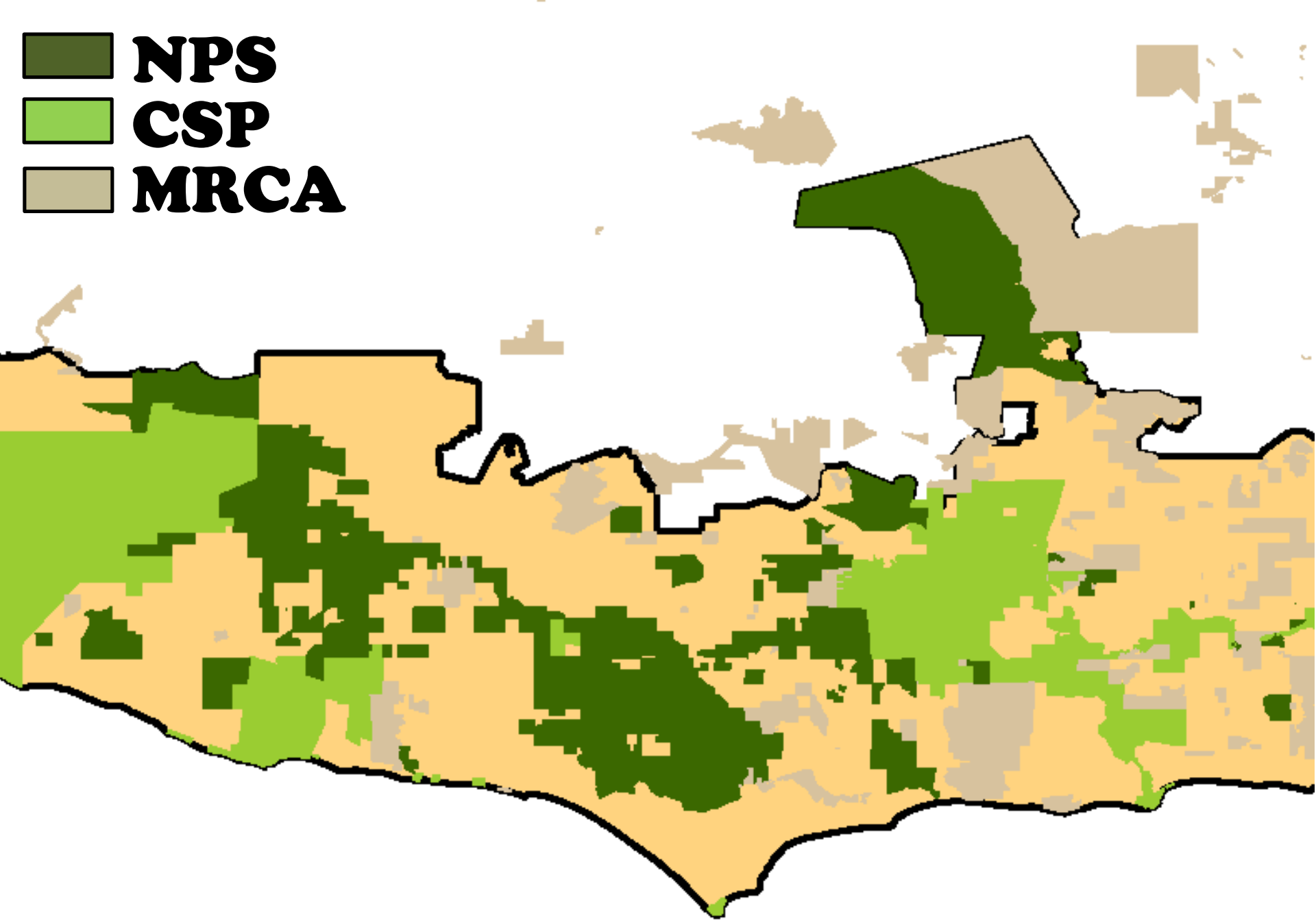


Photos by Ardeshir Radpour

**Open
Substrate
BAER
Burn Area Emergency
Rehabilitation**

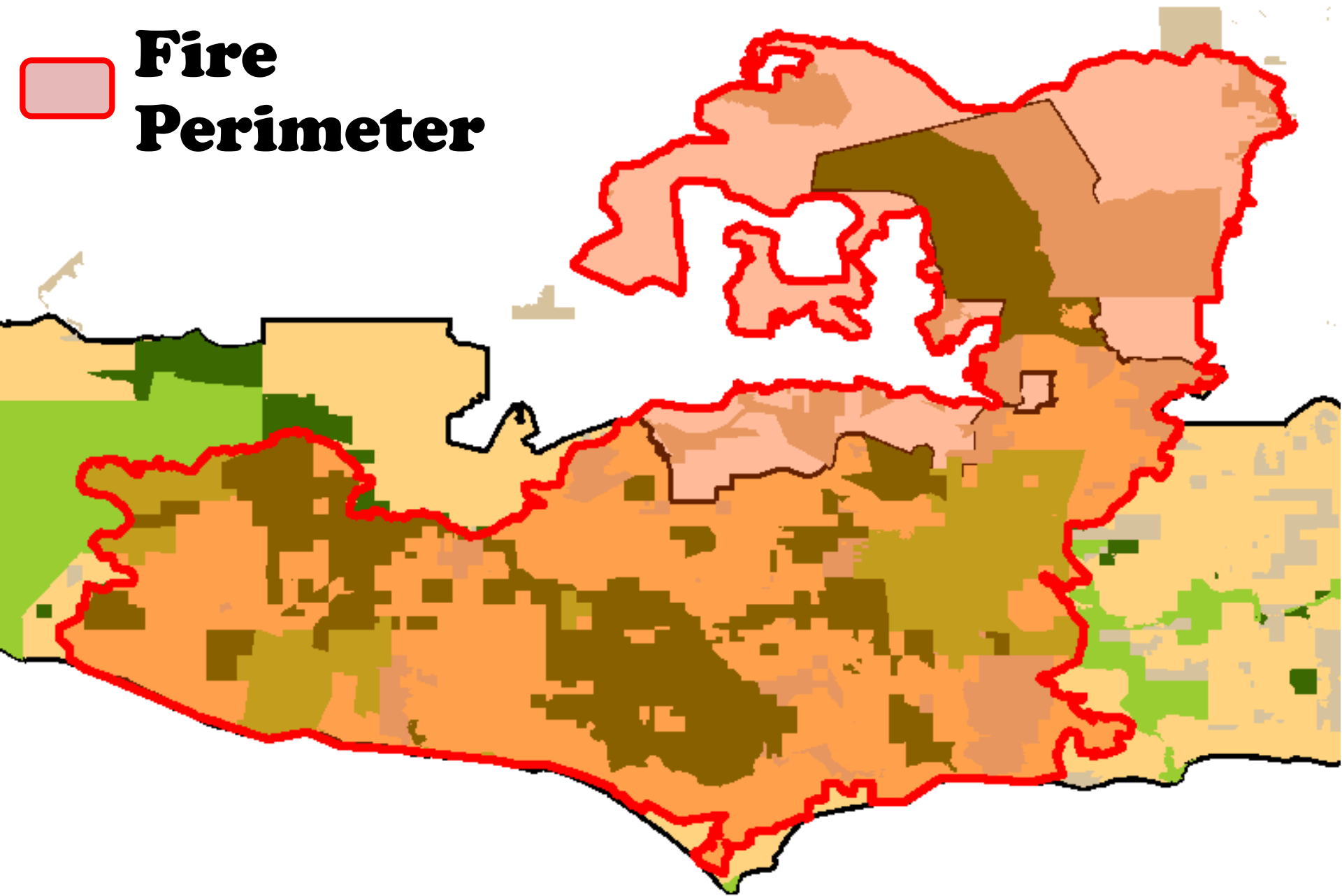


 **NPS**
 **CSP**
 **MRCA**

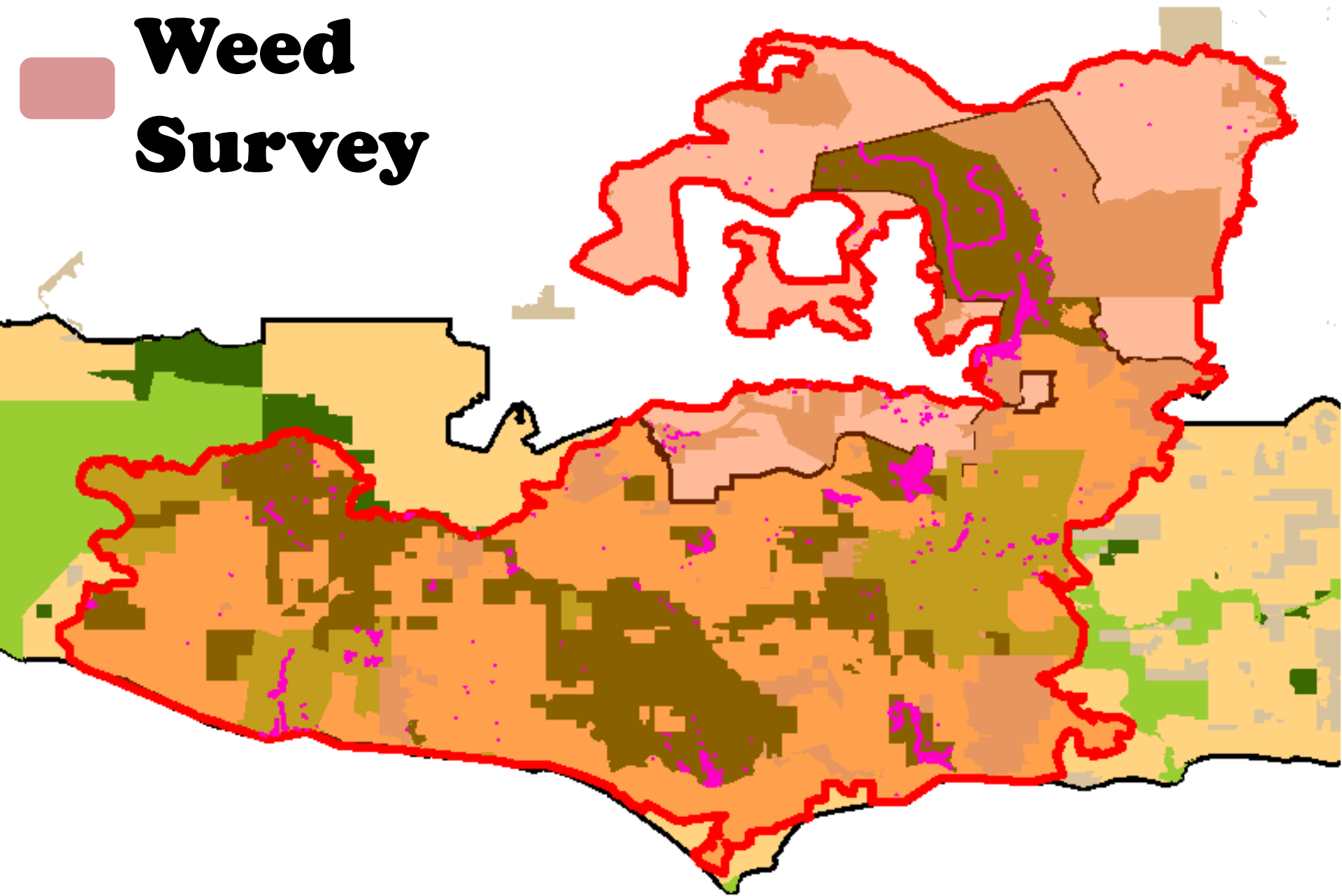




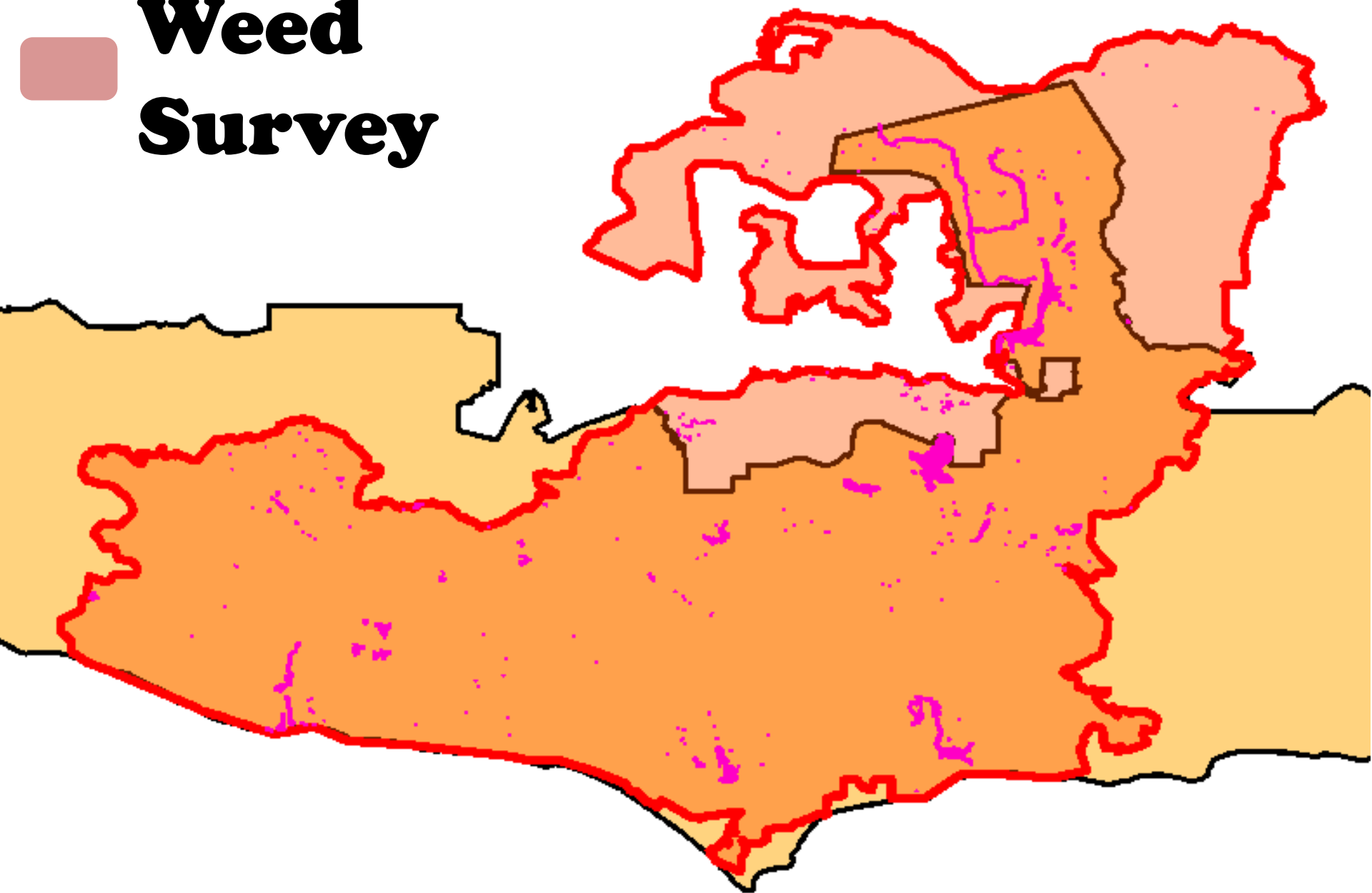
**Fire
Perimeter**



Weed Survey

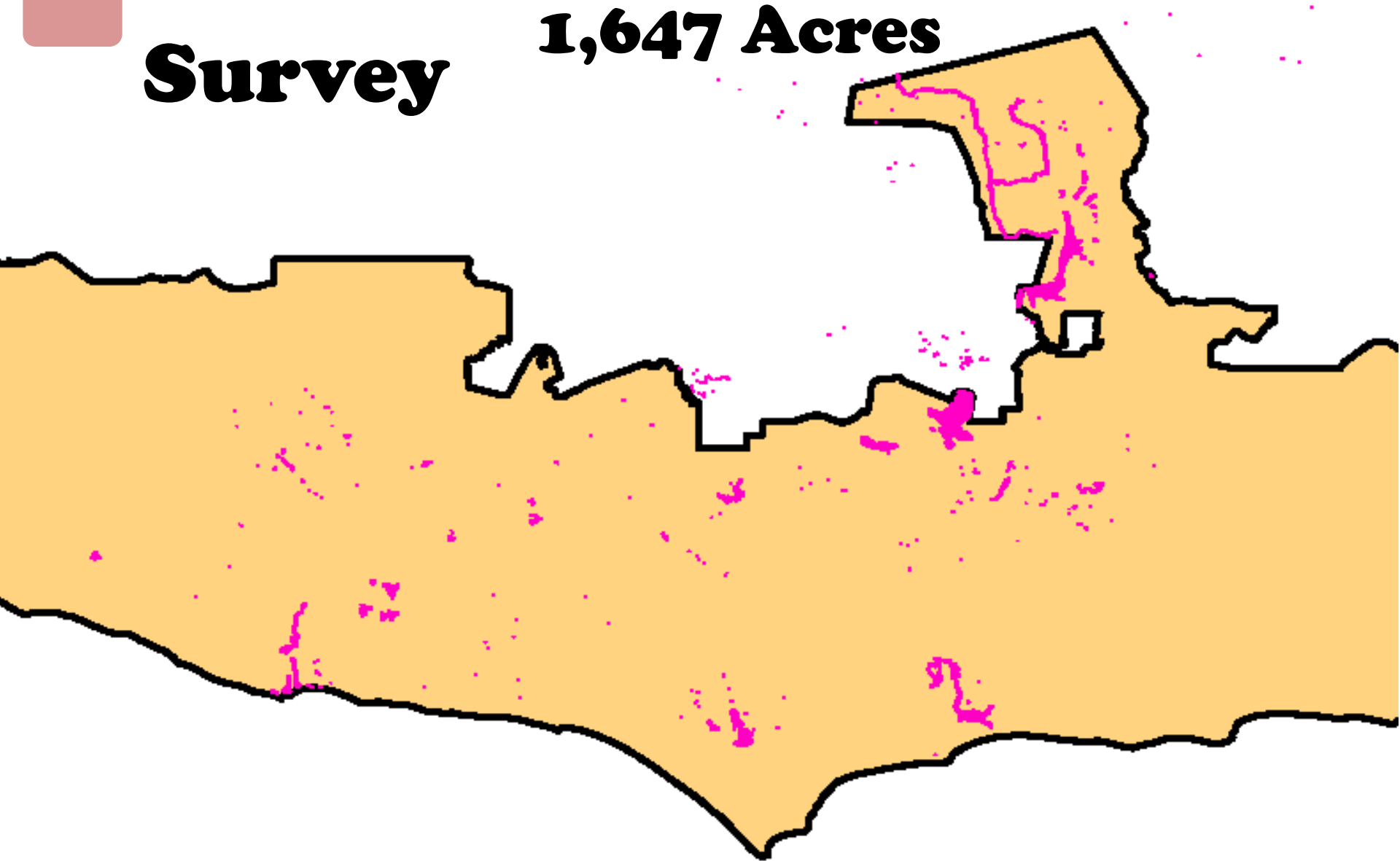


Weed Survey



**Weed
Survey**

**Post Fire Survey
1,647 Acres**

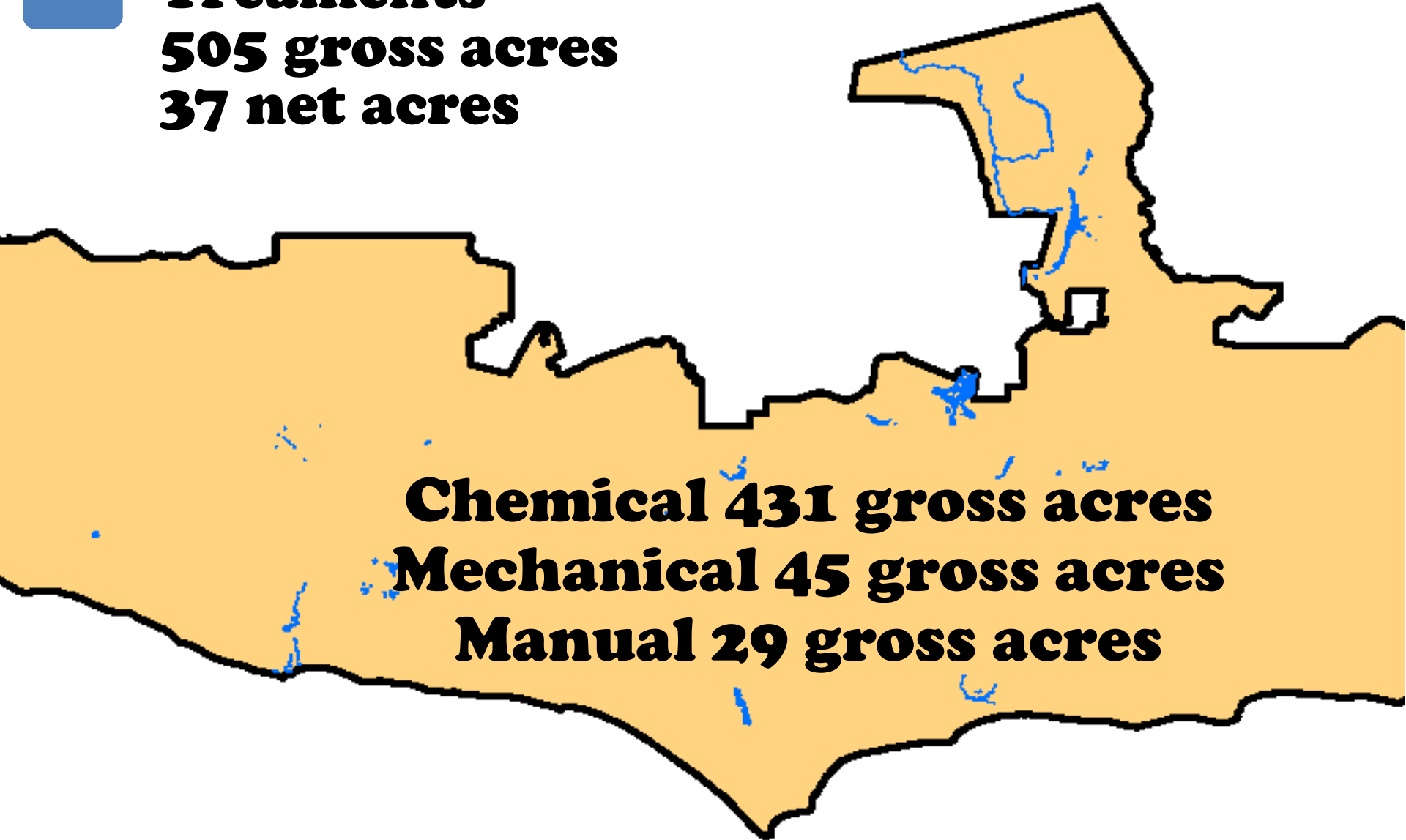




Treaments

505 gross acres

37 net acres



Chemical 431 gross acres

Mechanical 45 gross acres

Manual 29 gross acres

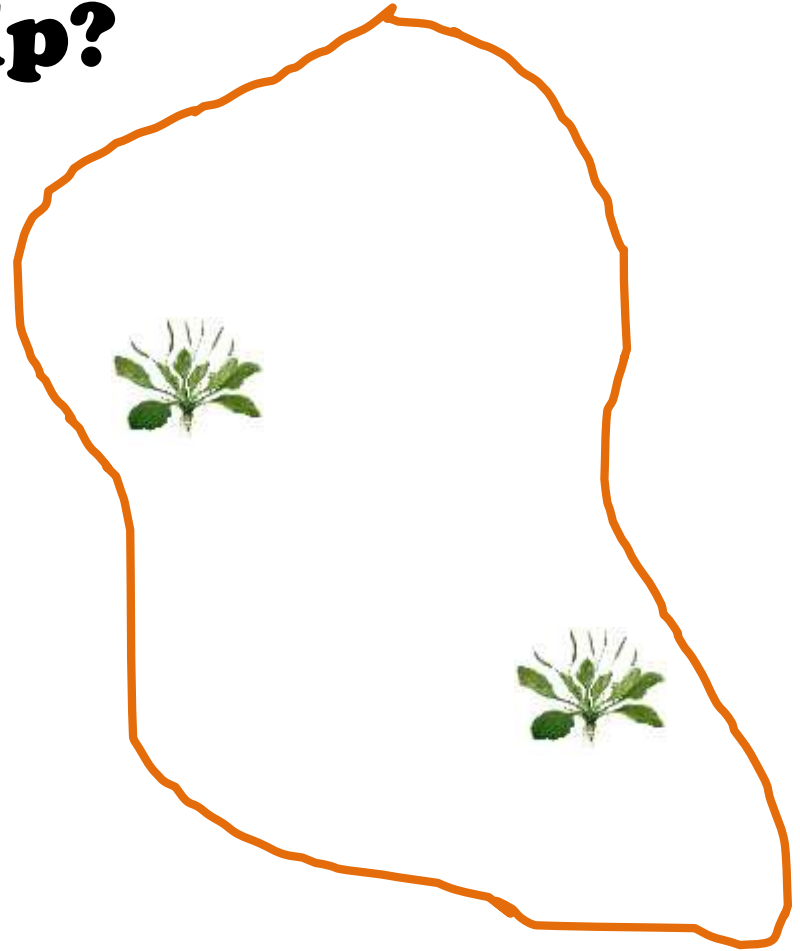
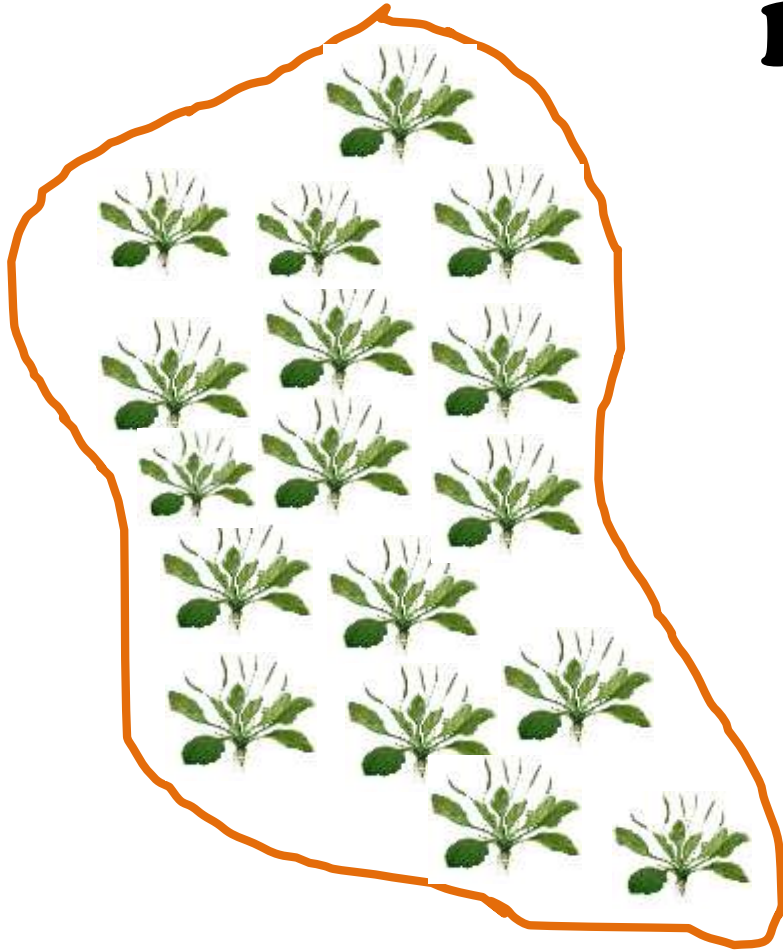
Mechanical Treatments



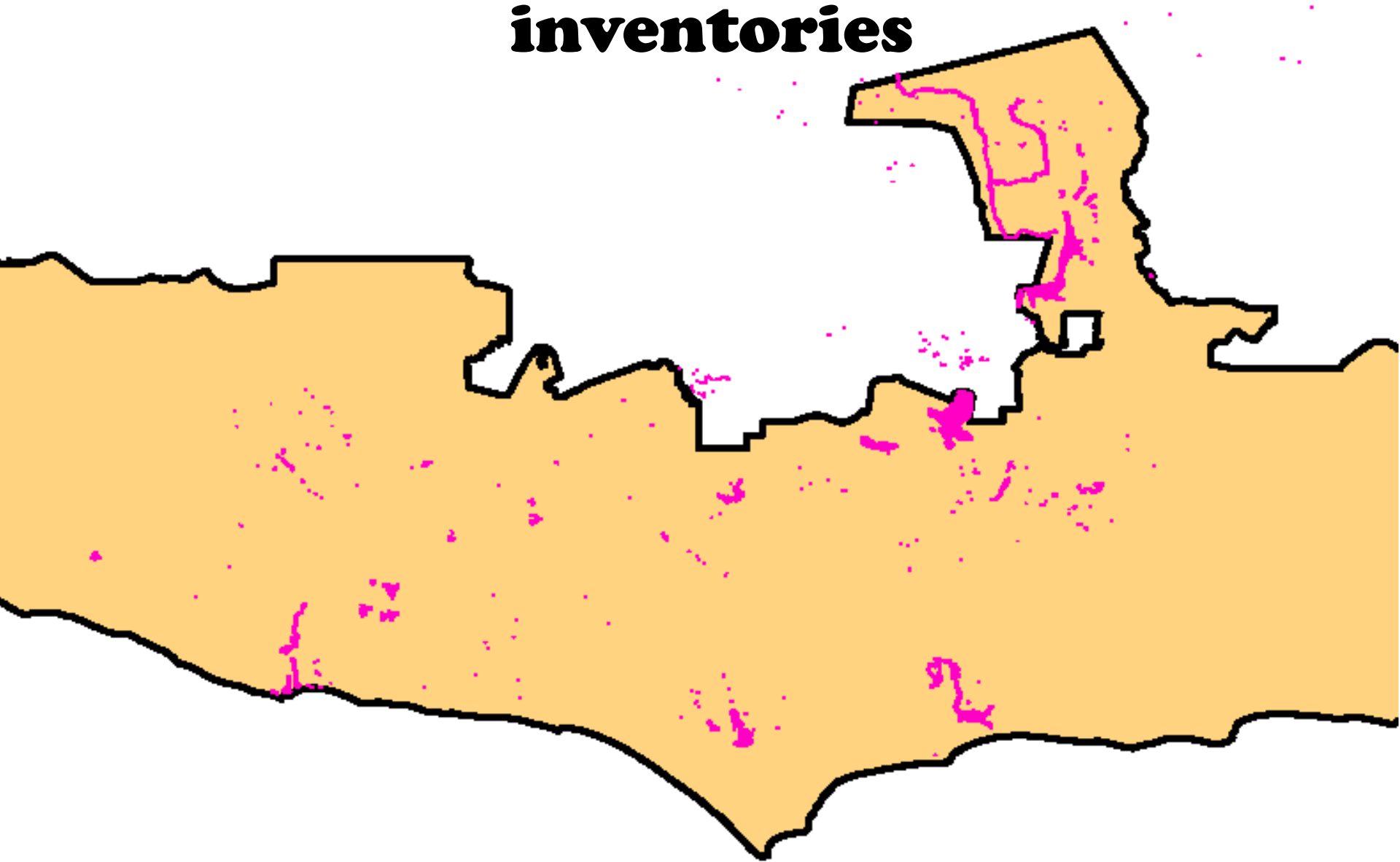
Manual Treatments

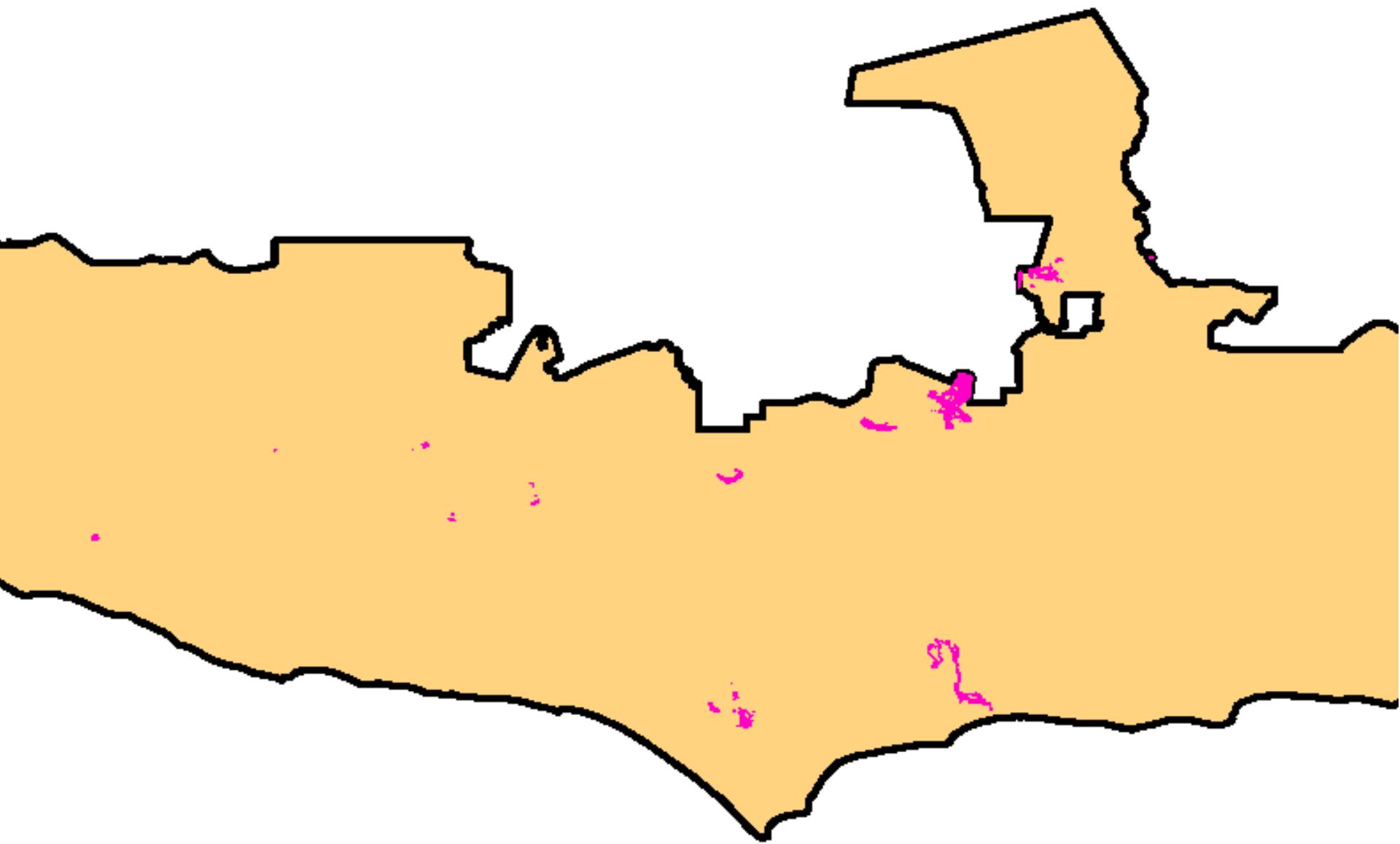


Did a decade of weed control help?

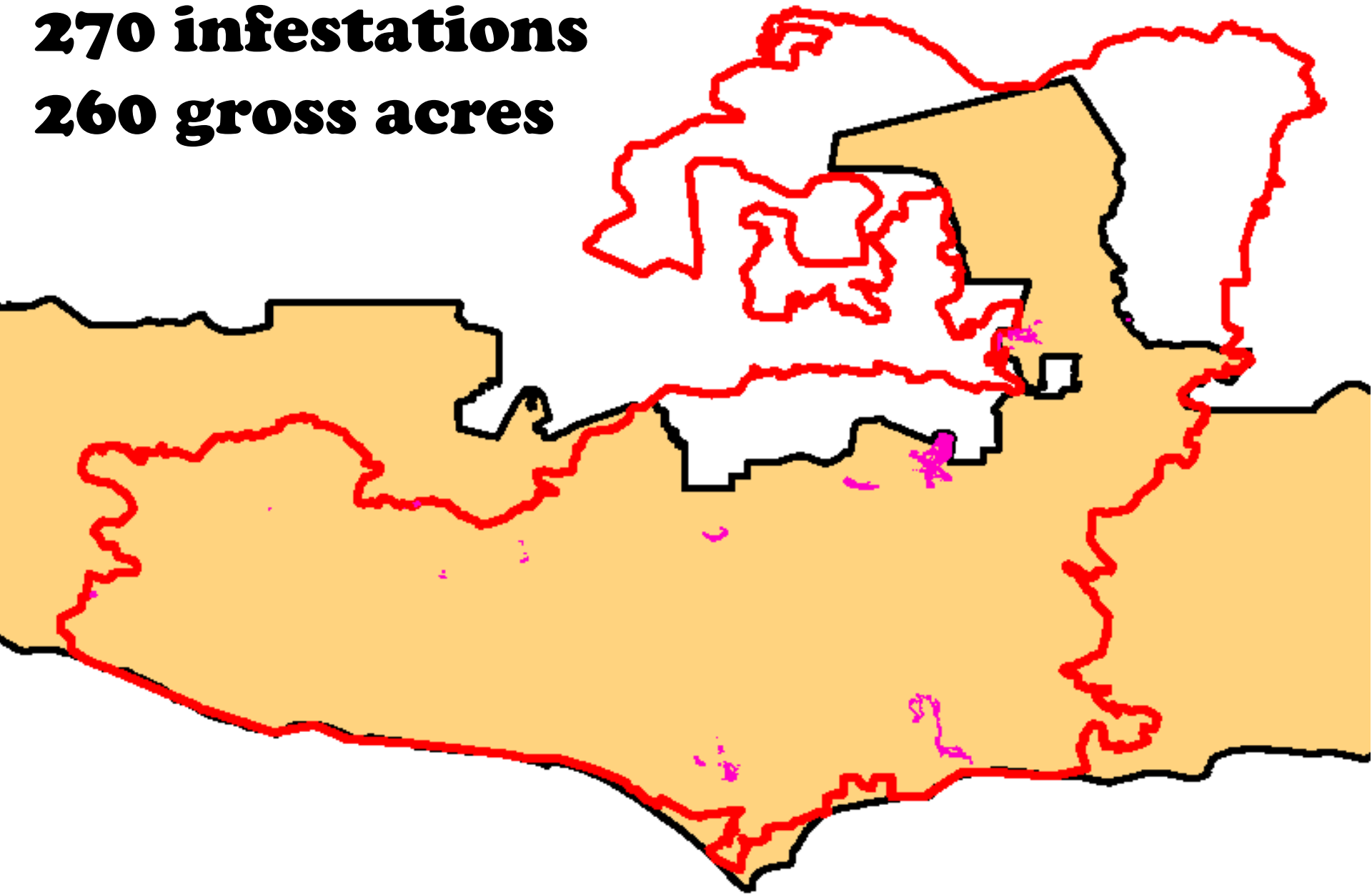


Compare post fire data with inventories

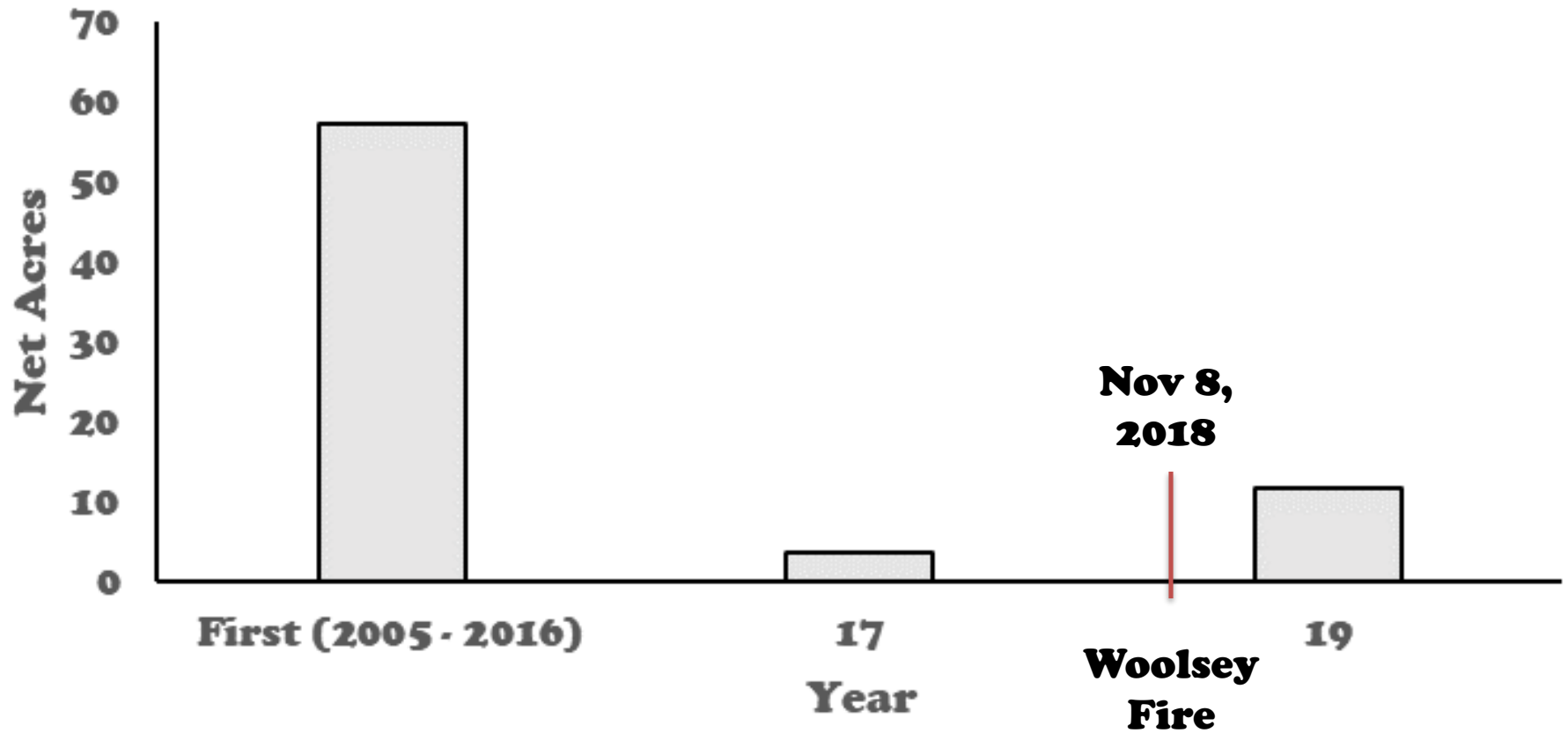




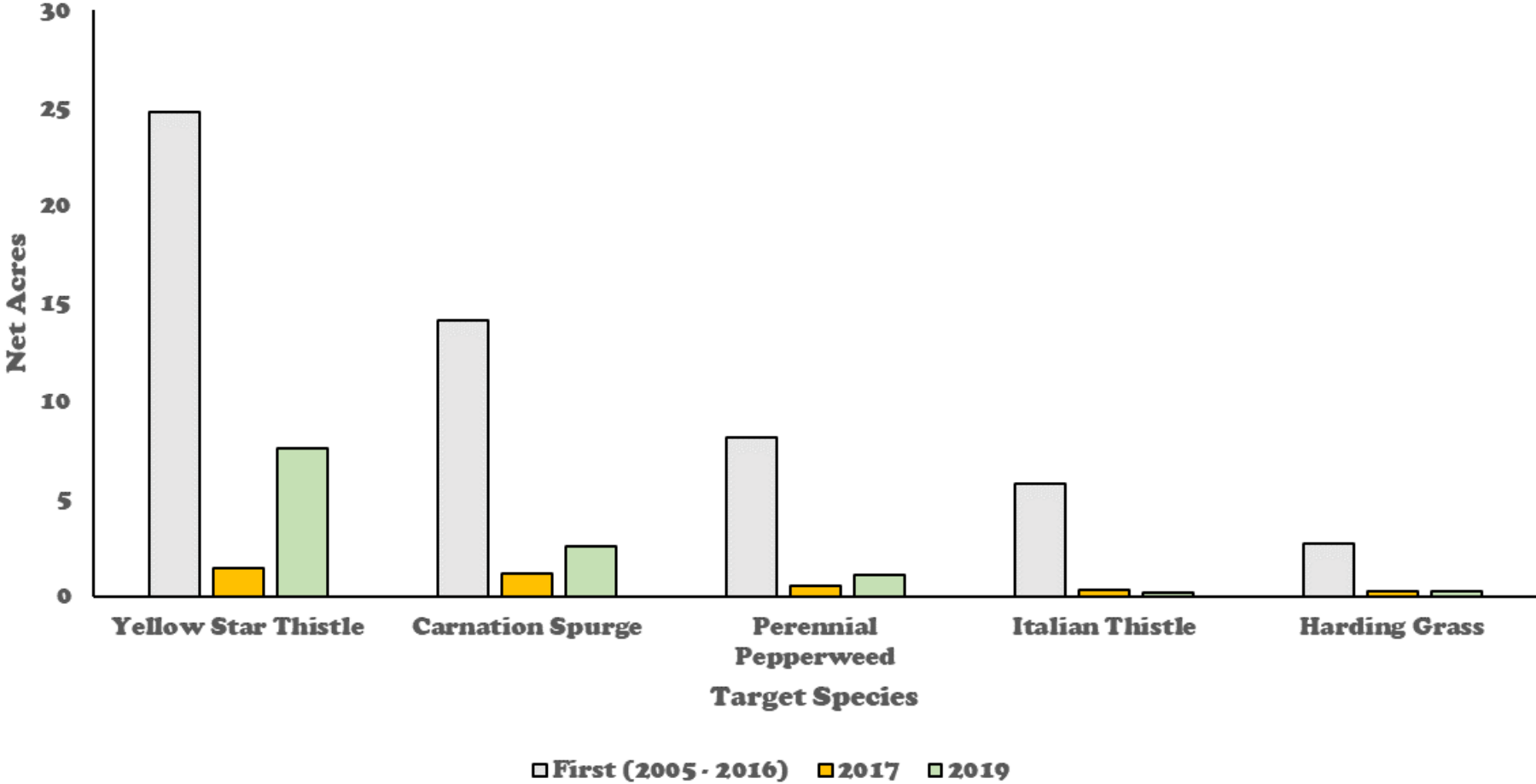
270 infestations
260 gross acres



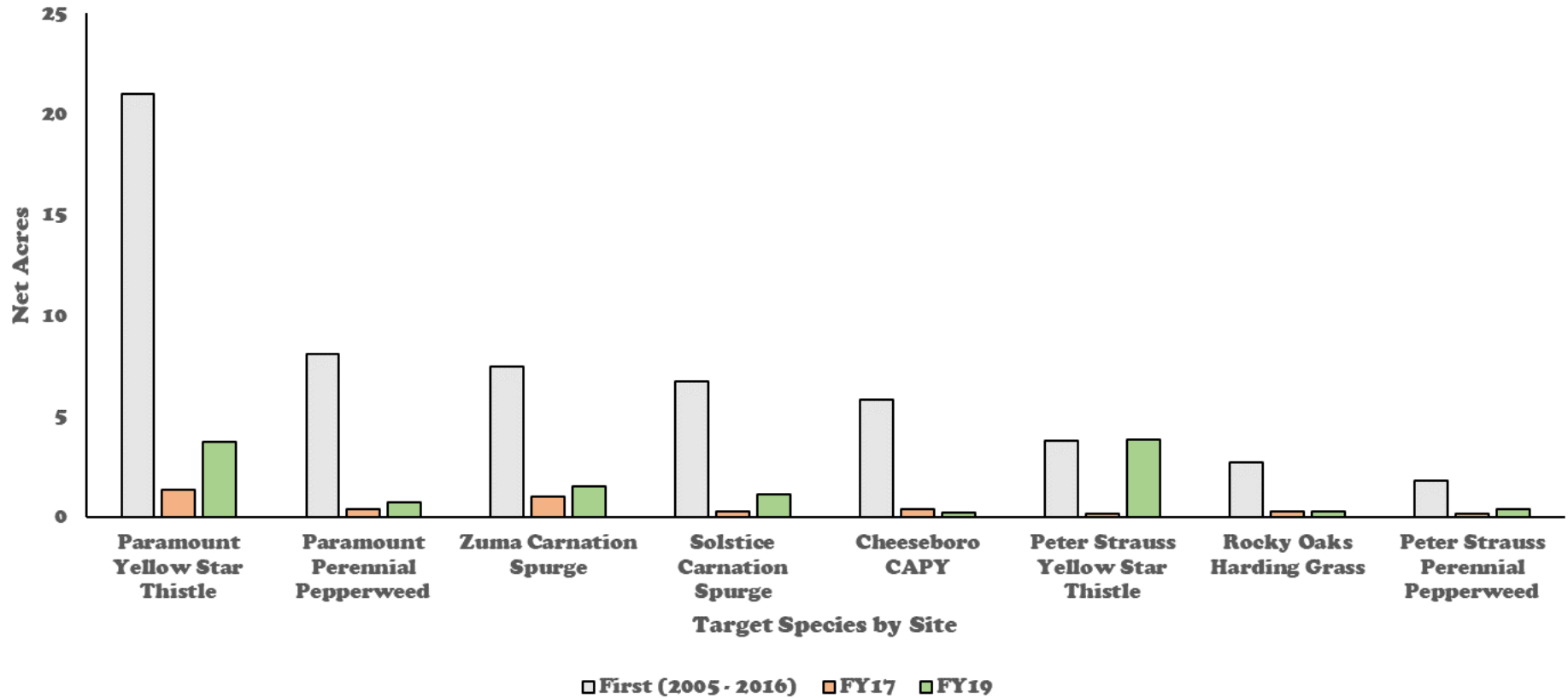
Net Acres of Target Weeds 270 Infestations



Target Species Large Infestations

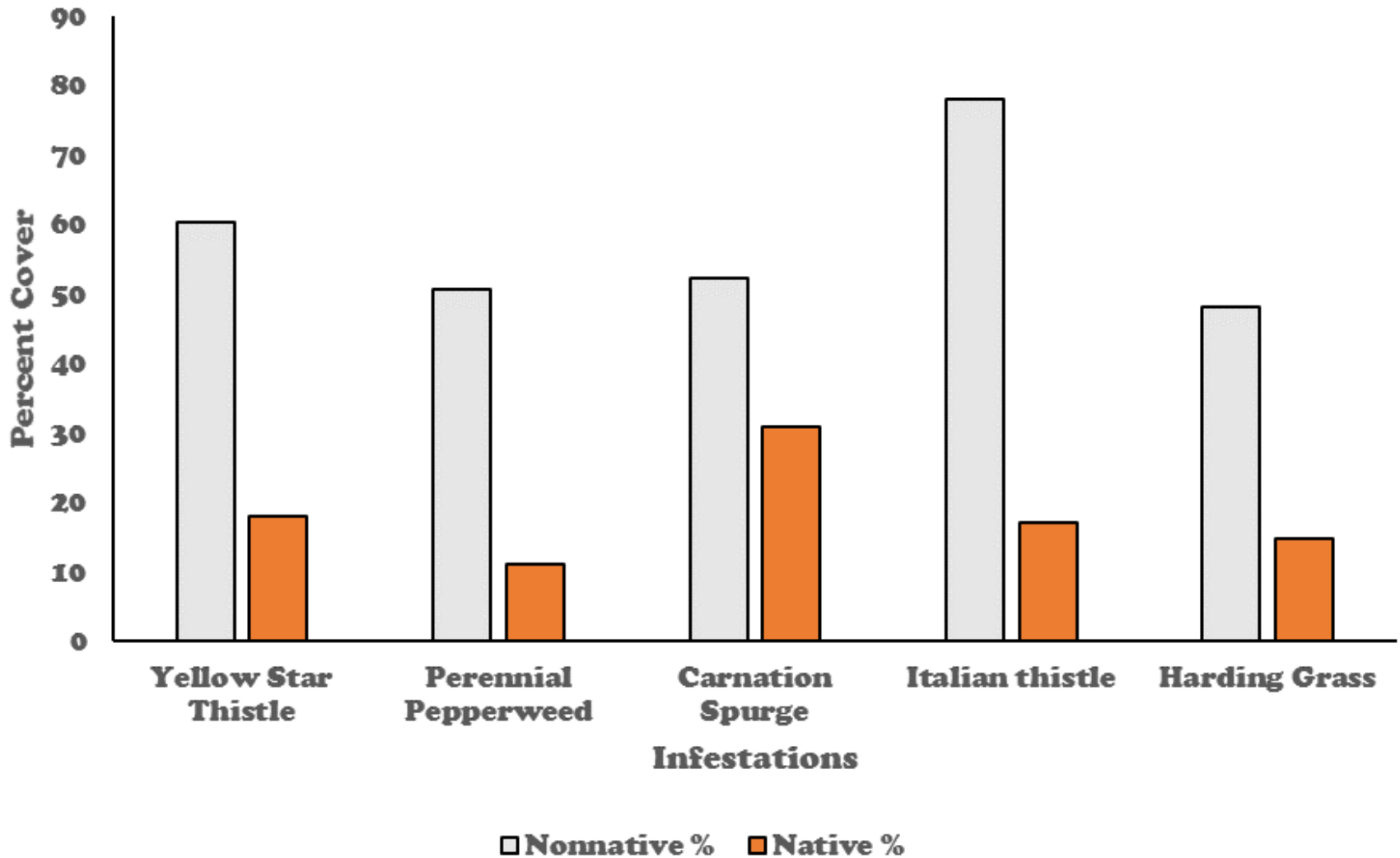


Target Species Large Infestations By Site



2019 Post Fire

Veg Cover of Infestations by Target Species



Fire Followers



Fire Followers



Fire Followers



Fire Followers



Native Annuals



August 2019



Field Crew



Thank you!

