

Volunteer Exotic Removal Efforts and Success at Edgewood County Park and Preserve

Paul Heiple, Ken Himes
Friends of Edgewood Natural Preserve

Presented at 2004 Cal-IPC Symposium
October 7, 2004

Edgewood County Park and Natural Preserve

- San Mateo County



Edgewood County Park and Natural Preserve

- San Mateo
County
- 467 Acres



Edgewood County Park and Natural Preserve

- San Mateo County
- 467 Acres
- Wildland-Urban Interface.



Oct 7, 2004

Heiple / Himes: 2004 Cal-IPC Symposium

Long History of Human Disturbance

- I-280 Freeway
- Natural Gas Pipeline



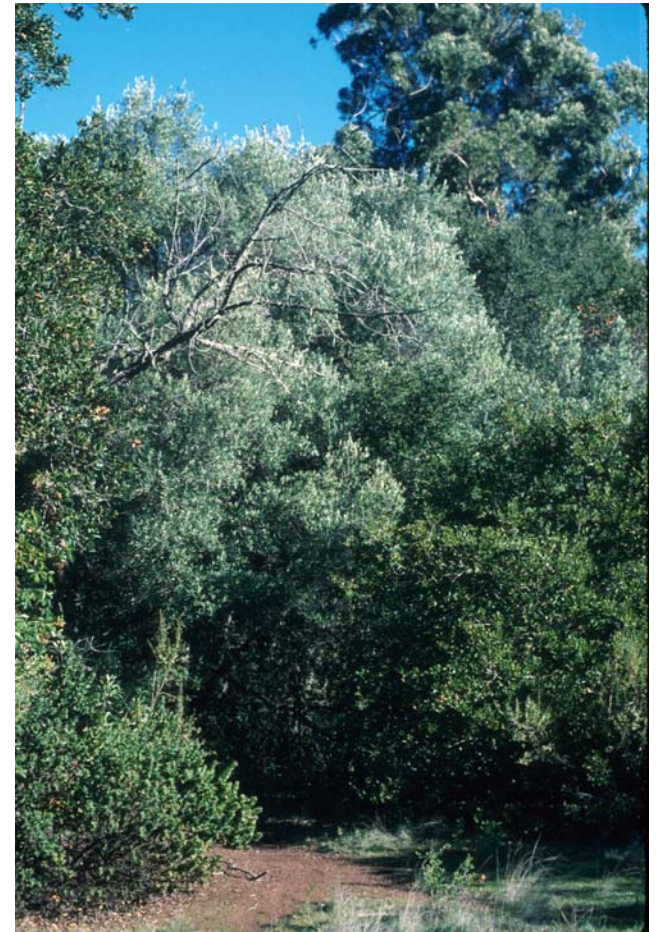
Long History of Human Disturbance

- I-280 Freeway
- Natural Gas Pipeline
- Off-Road Vehicles.



Rare Species

- Kings Mountain
Manzanita
(*Arctostaphylos*
regismontana)



Rare Species

- Kings Mountain Manzanita (*Arctostaphylos regismontana*)
- Fragrant Fritillary (*Fritillaria liliacea*).



Early Weeding History

- Elly Hess, 1989



Early Weeding History

- Elly Hess, 1989
- Original Group



Early Weeding History

- Elly Hess, 1989
- Original Group
- Learning from Experience.



Success Factors

- Stable Leadership
- Core Group



Success Factors

- Stable Leadership
- Core Group
- Special Groups and Days
 - Carlmont High School.



Adopt-A-Sites

- Roger's Knoll.



Oct 7, 2004

Heple / Himes: 2004 Cal-IPC Symposium

County Involvement

- Suzi and Ric



Oct 7, 2004

Heiple / Himes: 2004 Cal-IPC Symposium

County Involvement

- Suzi and Ric
- Mowing



Oct 7, 2004

Heiple / Himes: 2004 Cal-IPC Symposium

County Involvement

- Suzi and Ric
- Mowing
- Shawn and Katie.



Monitoring

- Density Plots



Oct 7, 2004

Heiple / Himes: 2004 Cal-IPC Symposium

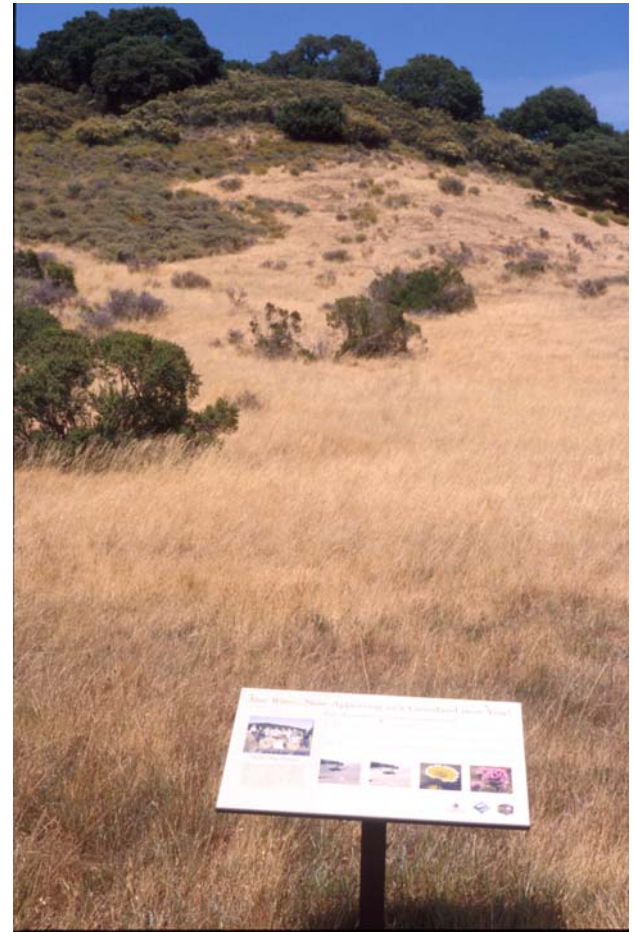
Monitoring

- Density Plots
- Transects



Monitoring

- Density Plots
- Transects
- Signage Promotes Awareness.



Slow, Steady Progress

Before



During



After



Other Success Factors

- Persistence



Other Success Factors

- Persistence
- Early Detection.



Further Progress

Italian Thistle 1999



Tarplant 2002



Oct 7, 2004

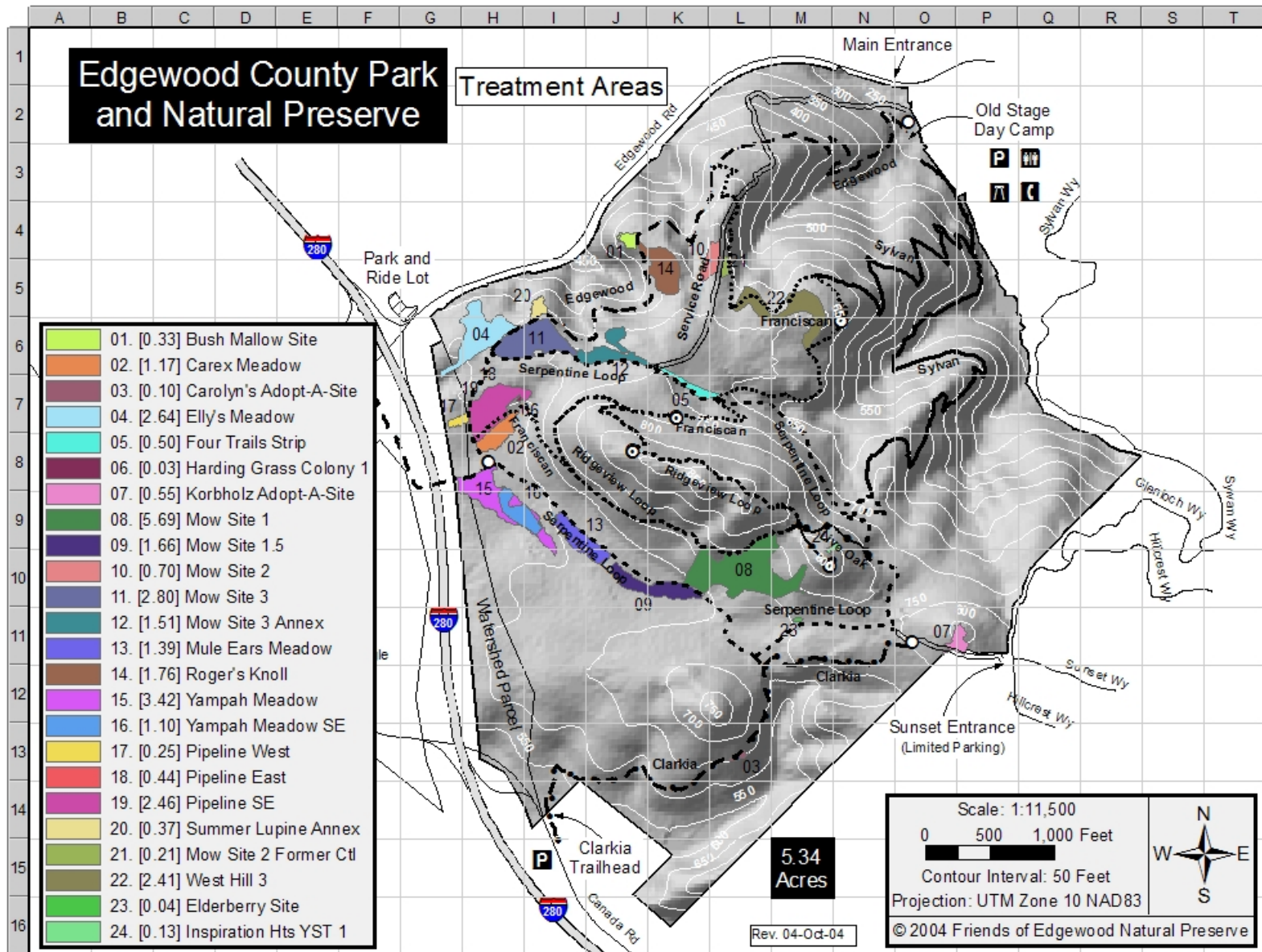
Heiple / Himes: 2004 Cal-IPC Symposium

The Way We Like It

- Clay Mariposa Lily
Lily
(*Calochortus argillosus*).



Quantitative Results

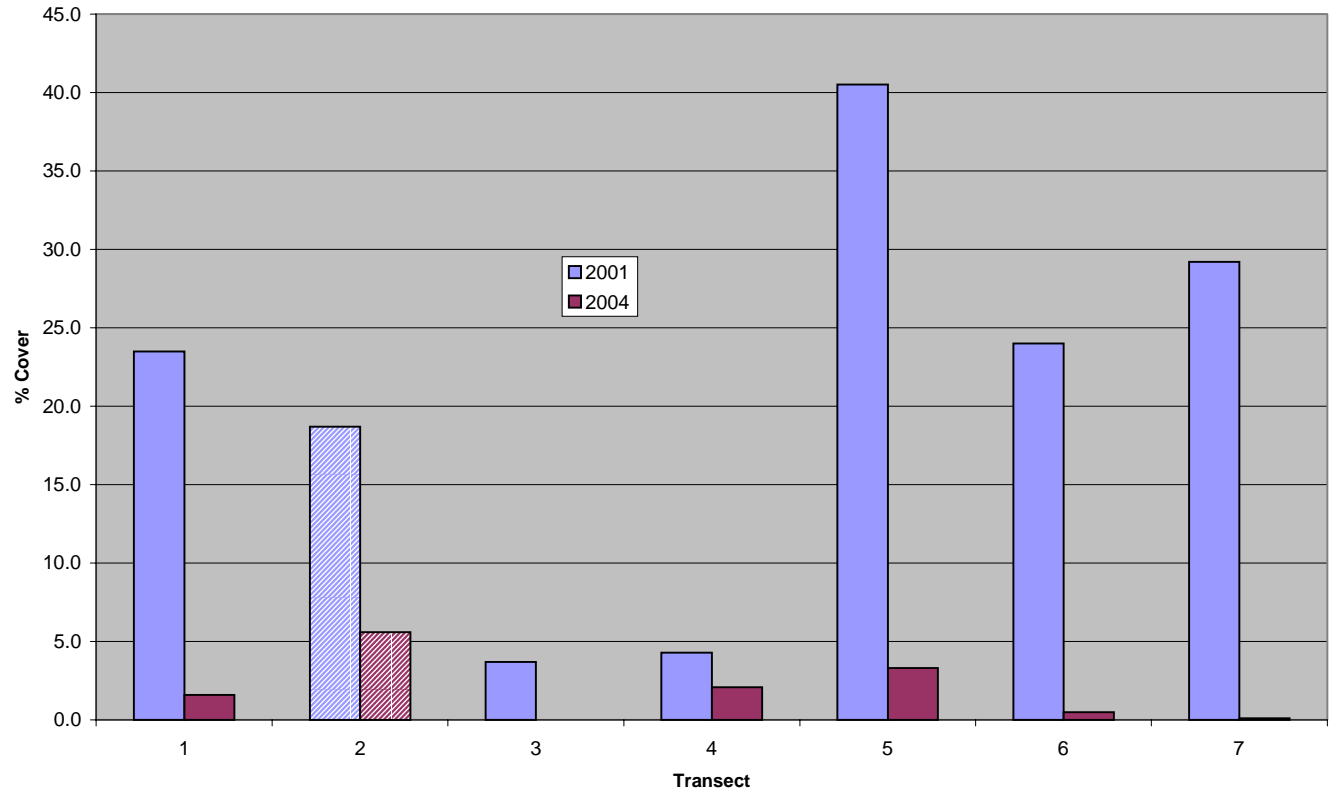


Oct 7, 2004

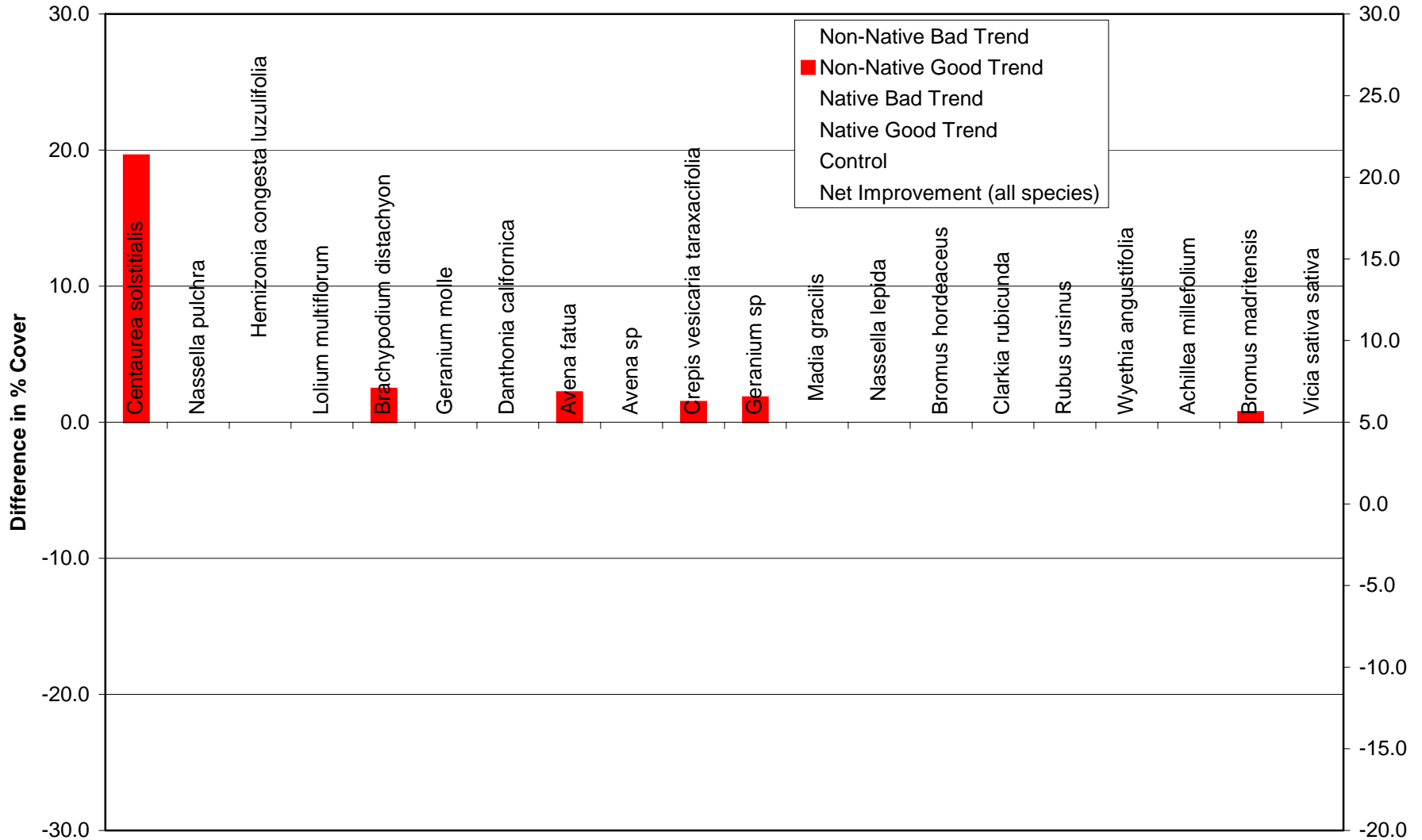
Heiple / Himes: 2004 Cal-IPC Symposium

Centaurea solstitialis

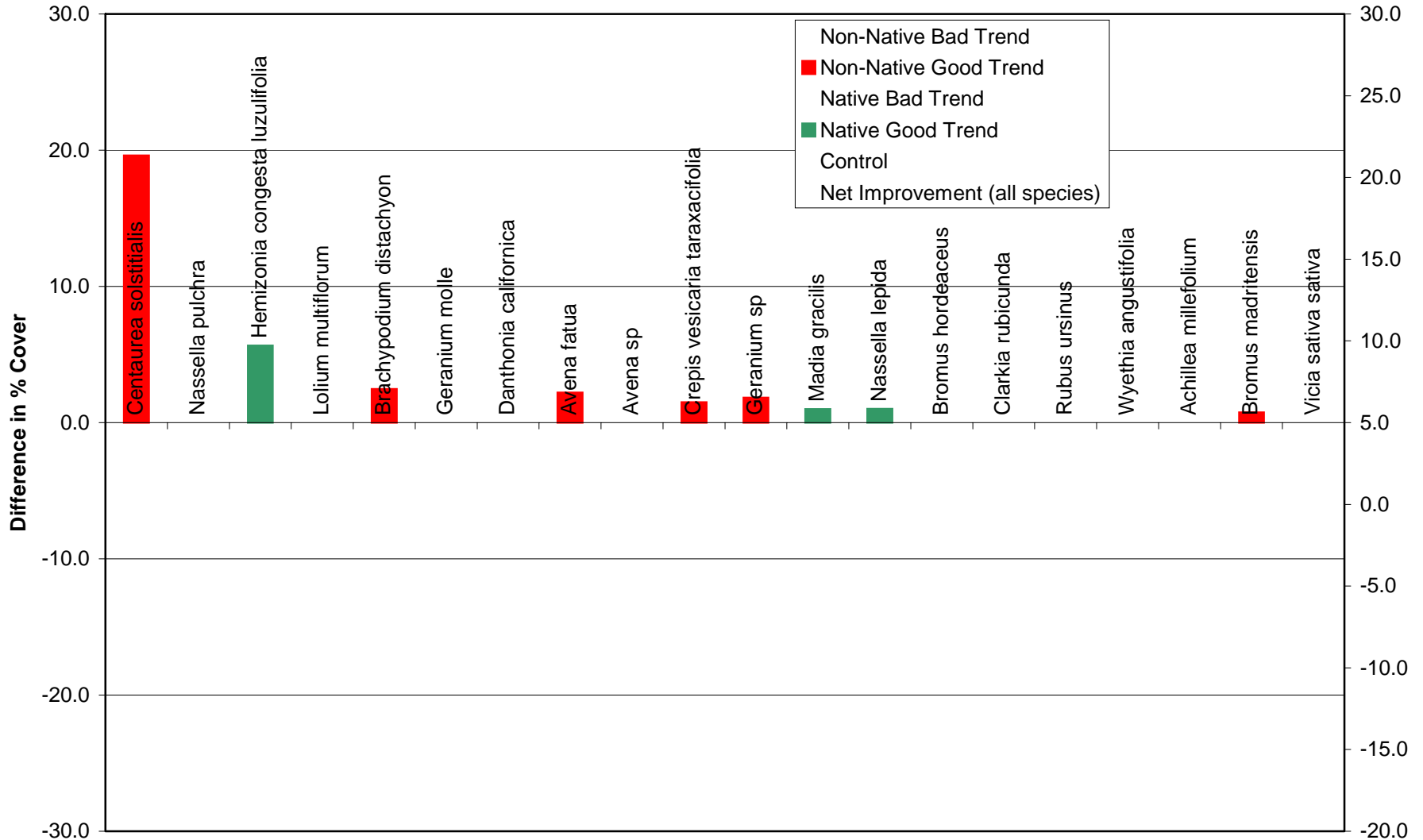
- Percent cover declined from 20.9 to 1.3 in treated areas.



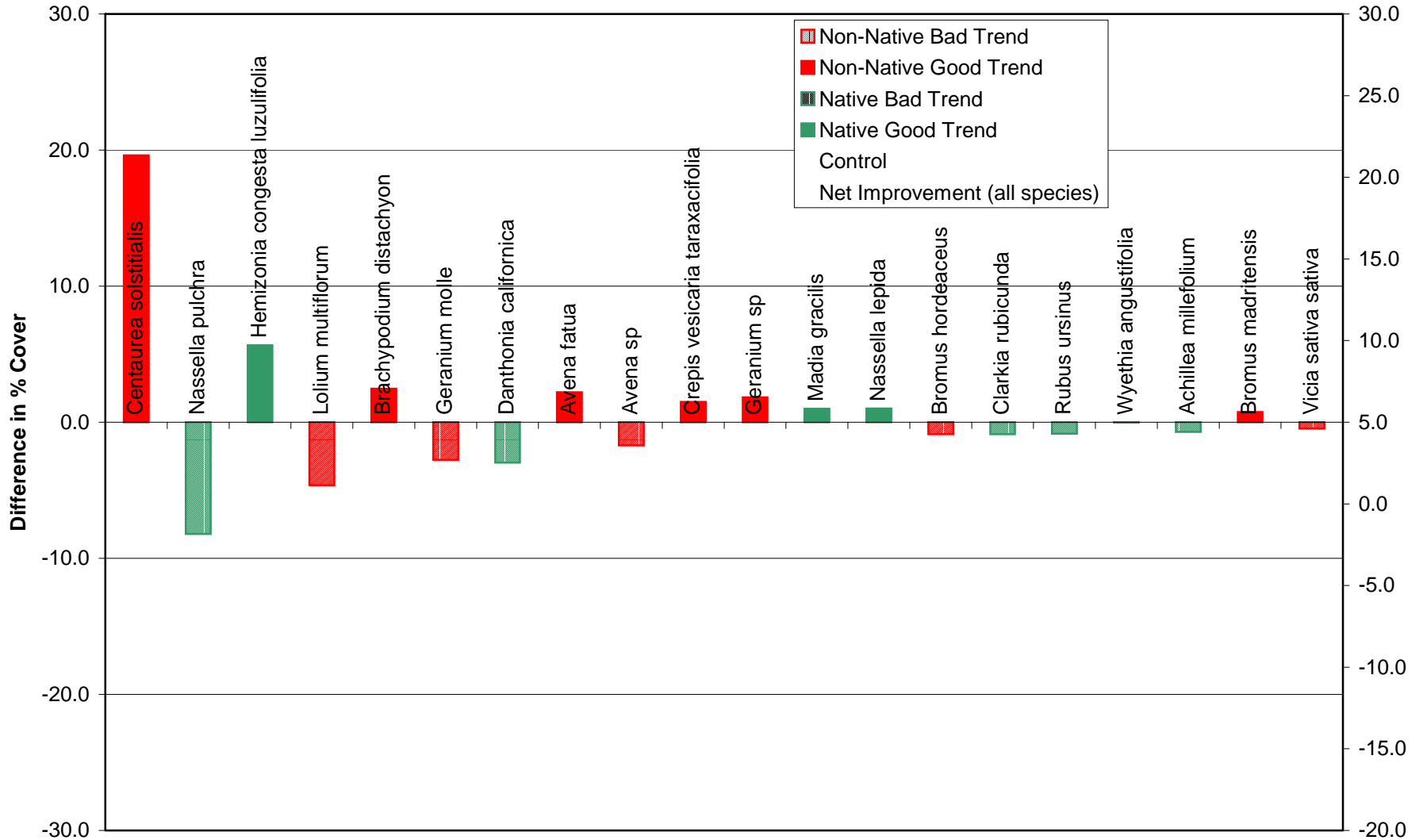
All Transects Except Control (top 20)



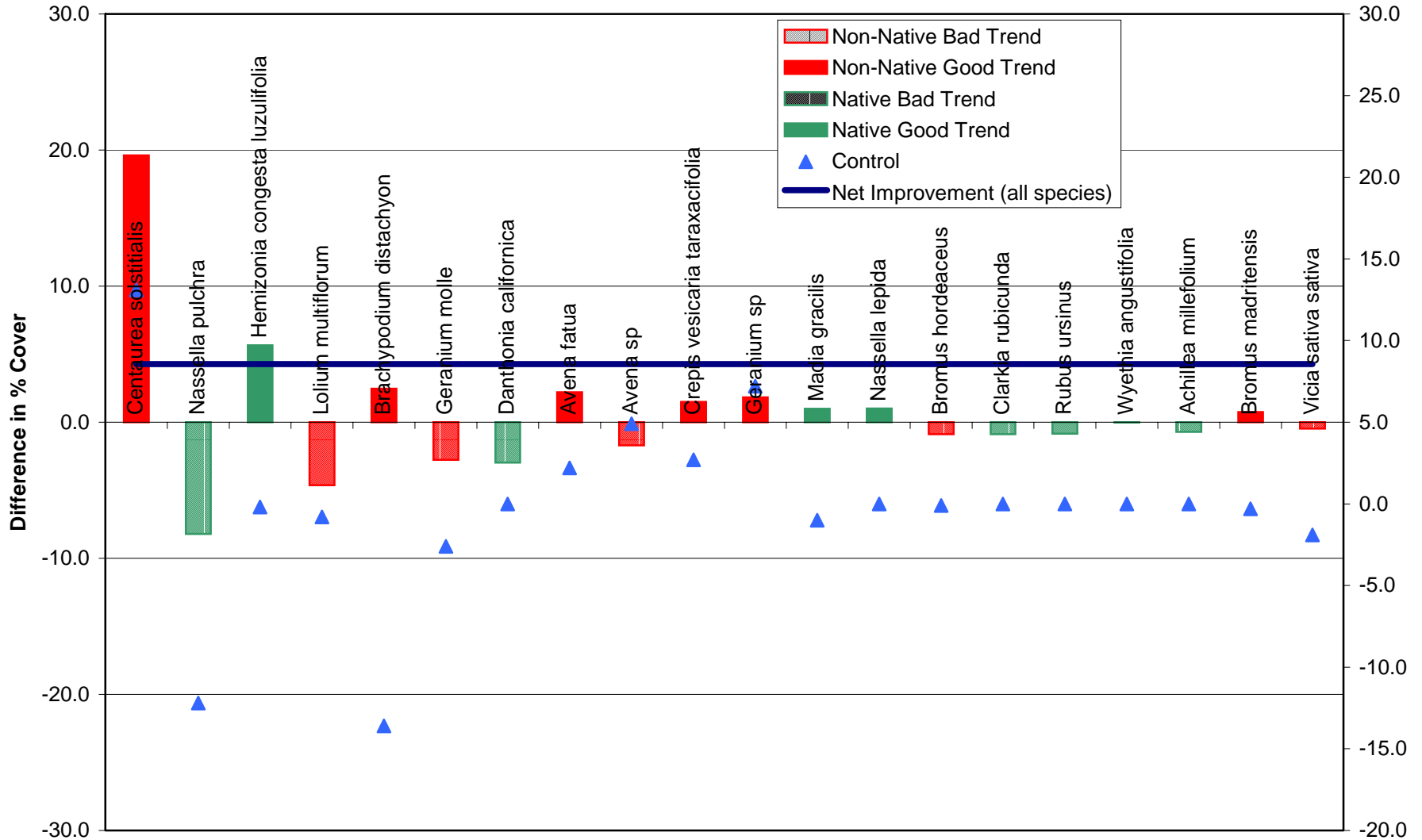
All Transects Except Control (top 20)



All Transects Except Control (top 20)



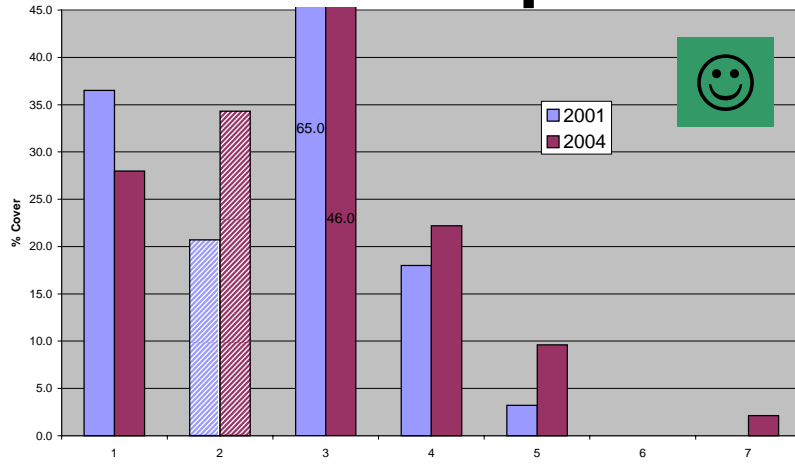
All Transects Except Control (top 20)



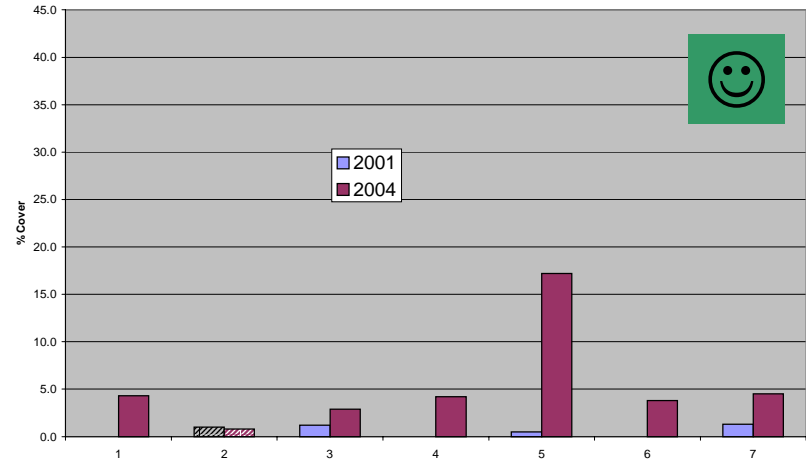
Oct 7, 2004

Heple / Himes: 2004 Cal-IPC Symposium

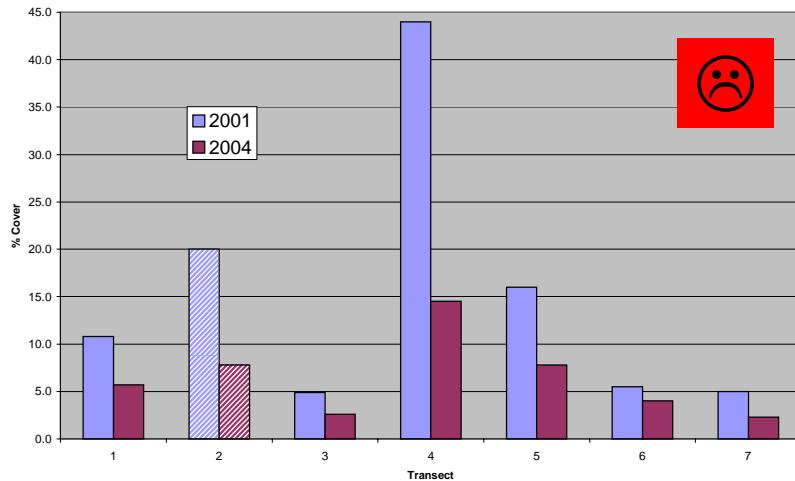
Other Species: Mixed Results



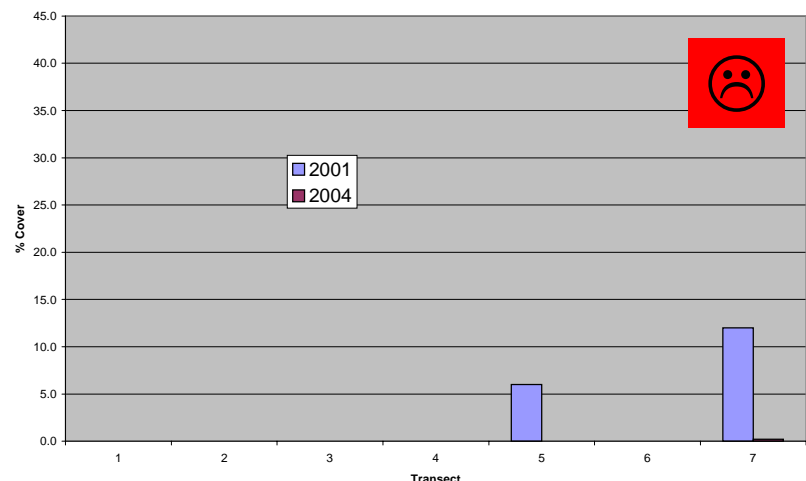
Brachypodium distachyon



Hemizonia congesta luzulifolia



Nassella pulchra



Danthonia californica

Oct 7, 2004

Heple / Himes: 2004 Cal-IPC Symposium



Susan Sommers

Oct 7, 2004

Heiple / Himes: 2004 Cal-IPC Symposium