Conserving a Global Biodiversity Hotspot: Aligning 30x30 goals at the state and global scale

Cal-IPC Annual Symposium
30x30 panel

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Dick Cameron, Director of Science for Land and Cities Programs,
Carrie Schloss, Senior Scientist
The Nature Conservancy in California
The Nature Conservancy

- Our mission is to conserve the lands and water on which all life depends.
- Active in California for over 60 years
- Local and global

| 400 scientists | 4,000 conservationists | A far reaching alumni network of leaders in the conservation community |
| 72 countries | 50 U.S. states | 1 million dedicated members | 1,300 prominent volunteer leaders |
30x30: A moment for attention and investment
Need to link extinction and climate crises and make conservation serve broader goals
Key questions for 30x30

• What does “conserved” or “protected” mean?
• What is well or poorly represented in conservation lands now?
• What to protect next?
• What about management/stewardship?
• How to design priorities to serve broader goals?
A Storymap: **Conserving a Global Biodiversity Hotspot**
Vertebrate Richness and Protection by Habitat

Species
Habitat Protected

Percent of Habitat Protected

Number of Species

Mixed Chaparral
Coastal Oak Woodland
Montane Hardwood
Klamath Conifer
Chamise
Eastside Pine
Sagebrush
Juniper
Desert Scrub
Bitterbrush
Red Fir
Montane Chaparral
Eastside Pine
Sagebrush
Juniper
Desert Scrub
Bitterbrush
Red Fir
Montane Chaparral
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Grasslands and oak woodlands are relatively under-protected and important for global biodiversity.
A framework for mapping “effectively conserved” lands?
Centaurea solstitialis (yellow starthistle) is a bushy winter annual (family Asteraceae) that invades 12 million acres in California. Yellow starthistle inhabits ocean hills, roadsides, agricultural fields, and rangelands. It is considered a high priority invasive species in California. The Cal-IPC rating for yellow starthistle is High (C).
An existing Standard: IUCN Green List
Thank you!

Dick Cameron: dcameron@tnc.org
Story map: https://arcg.is/1TX1C5