

Finding the sweet spot between structure and flexibility







Protocol Basics

- Road and Trail Surveys
- Cover the full network of 350+ miles every three years
- 61 Species in two ranks
- Occurrence and treatment mapping



EARLY DETECTION BEYOND BOUNDARIES



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Program Review

It's time for protocol revision
Species List
Survey Geography

California State Parks Early Detection and Rapid Response (EDRR) Handbook for Invasive Species Management



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Pillars of EDRR

Species List

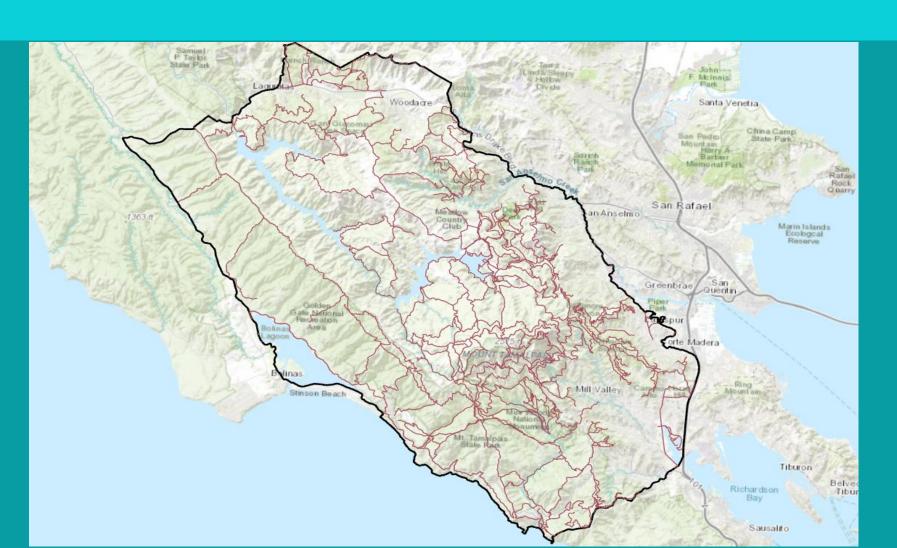
Survey Geography

Data Collection and Management

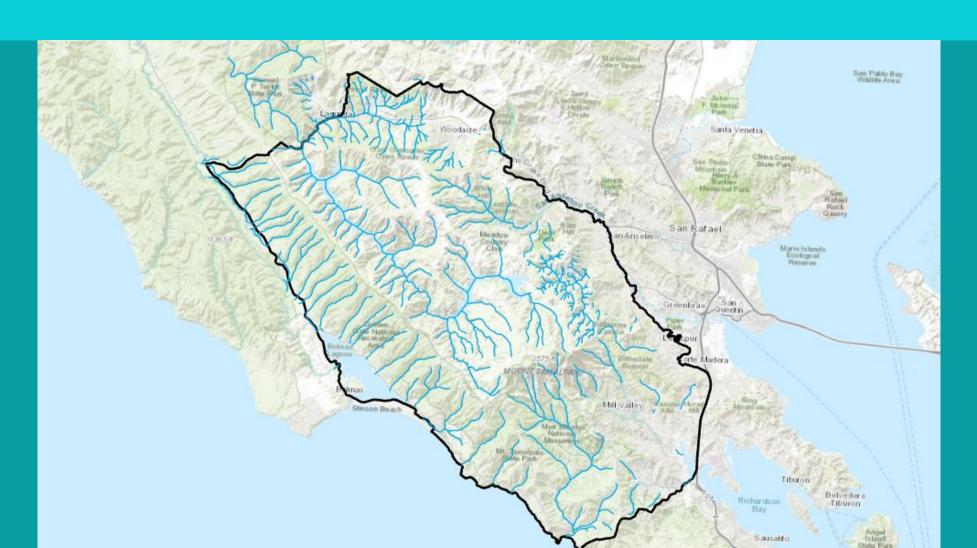
Team Effort



Survey Geography: Keeping Surveys Classic



Survey Geography: Going with the Flow

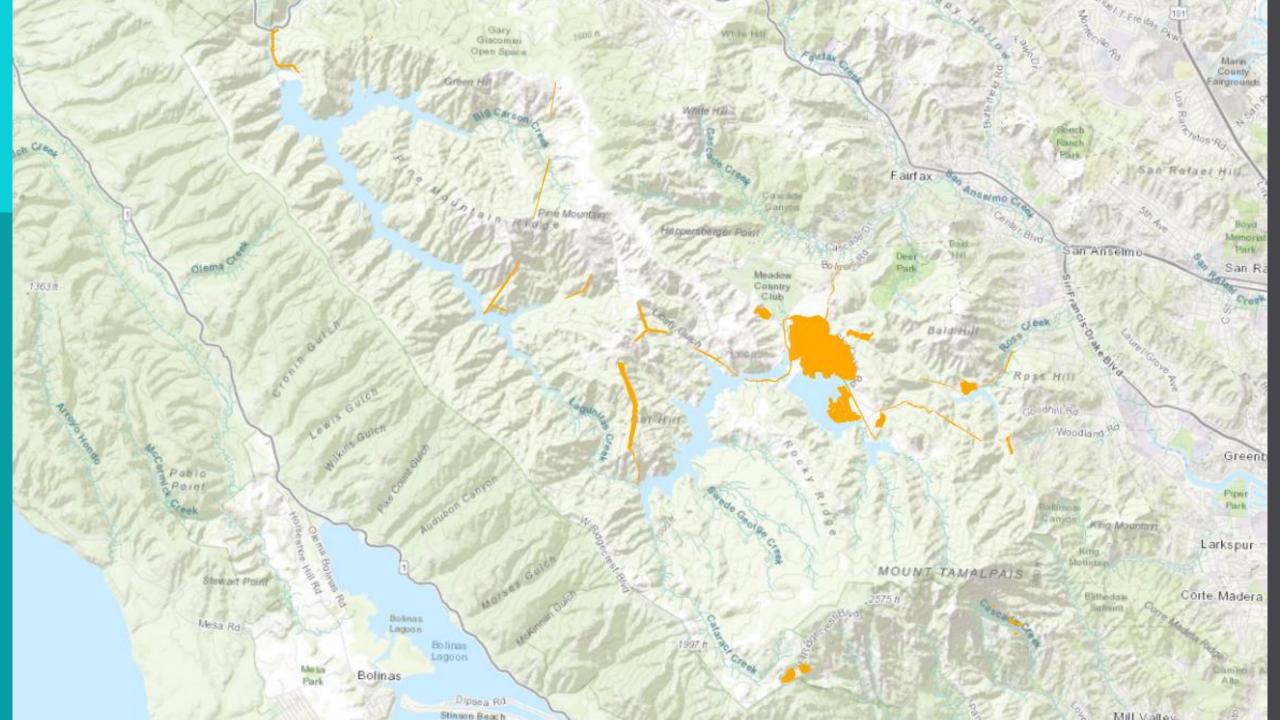


Going with the Flow: Japanese knotweed

Sometimes you can't do everything

- We just look for knotweed
 - And malfurada
 - And anything super weird that we see...





Survey Geography: Emerging Needs

Construction areas



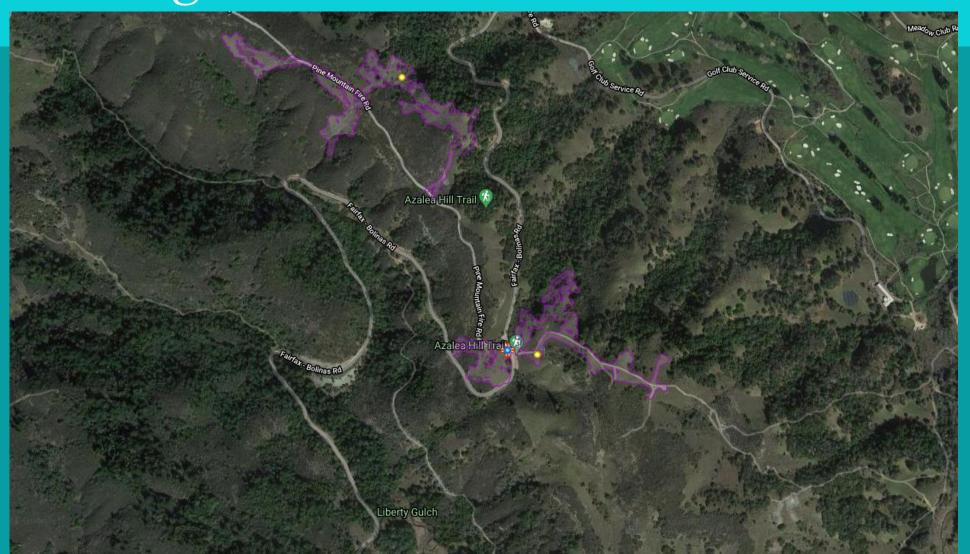
Survey Geography: Preparing for the Future

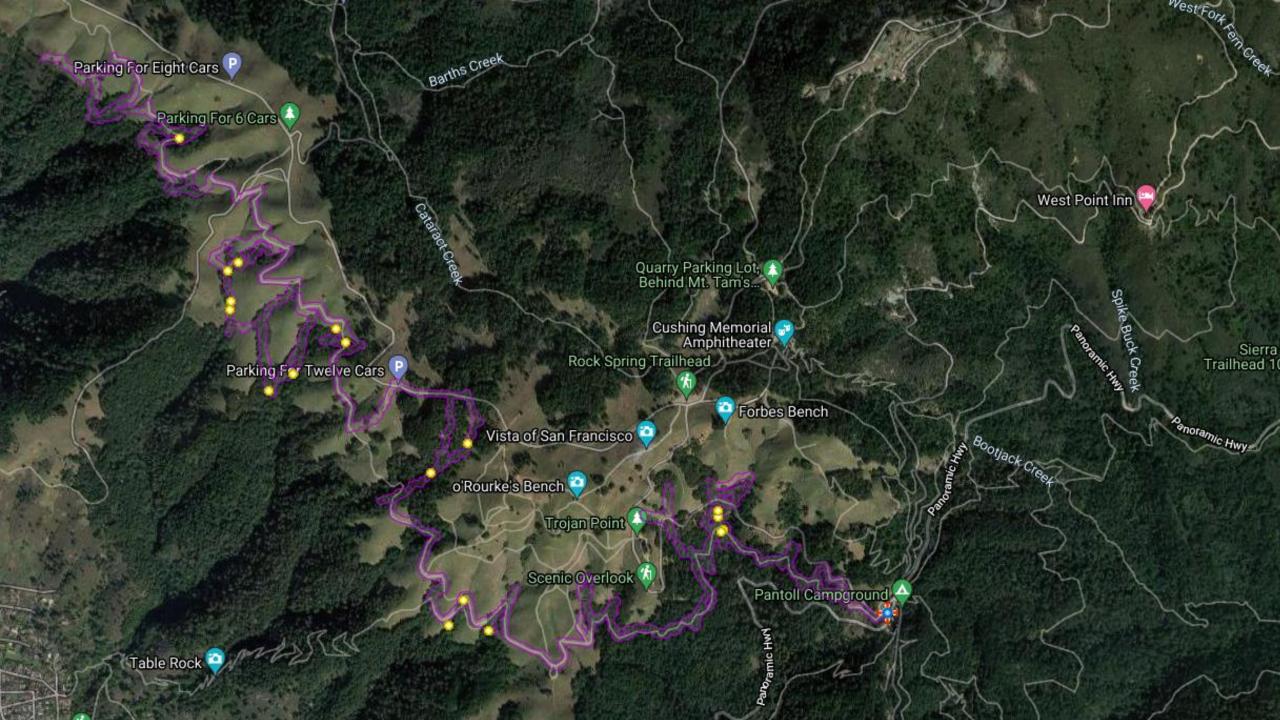
Adding post fire surveys to the protocol

Getting experience where we can



Survey Geography: Letting Treatments Guide Us





So, we know where we're going

That's good, but what should we look for when we get there?

Species List

PRIORITY TWO

Species	CDFA Rating	Cal-IPC Rating
Acacia melanoxylon	-	Limited
Ageratina adenophora	-	Moderate
Arctotheca prostrata	-	Moderate
Calendula arvensis	-	-
Centaurea solstitialis	-	High
Cortaderia jubata	-	High
Cortaderia selloana	-	High
Cotoneaster franchetii	-	Moderate
Cotoneaster lacteus	-	Moderate
Cotoneaster pannosus	-	Moderate
Crataegus monogyna	-	Limited
Cytisus scoparius	В	High
Delairea odorata	-	High
Digitalis purpurea	-	Limited
Dipsacus fullonum	-	Moderate
Ehrharta erecta	-	Moderate
Eucalyptus globulus	-	Limited
Euphorbia oblongata	-	Limited
Festuca arundinacea	-	Moderate
Foeniculum vulgare	-	Moderate
Genista monspessulana	-	High

Lists Can Change with New Info



Species List: 2021 Catch Up

- In a typical year, we cover about 110 miles of roads and trails
- In 2020 we covered 27 miles
- In 2021 we caught up by covering over 160 miles

2021 Catch Up: Species and Staffing

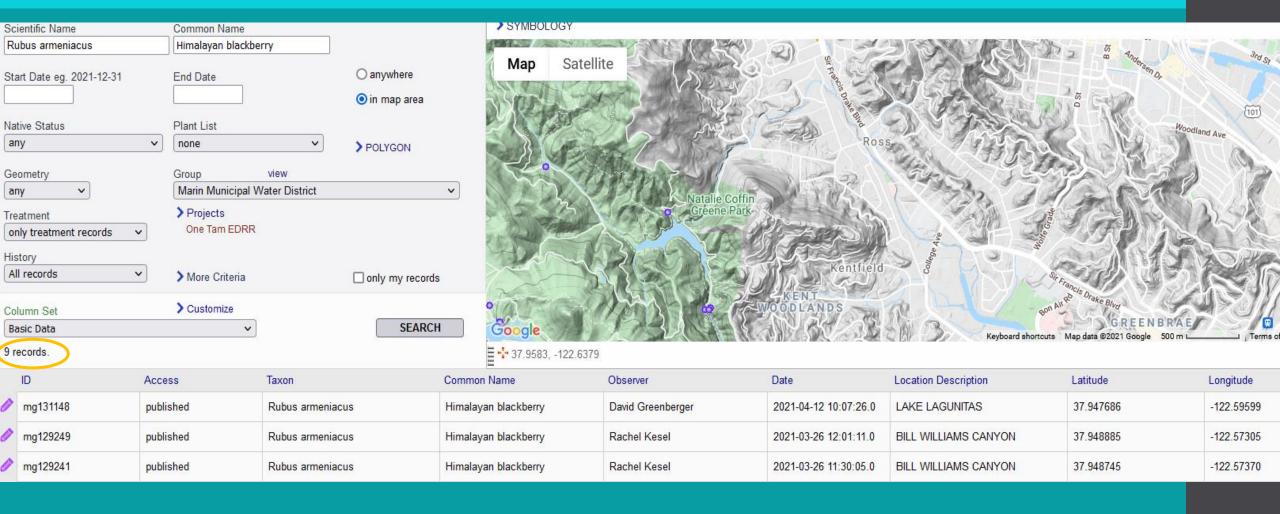
Appendix A. Early Detection Species List

PRIORITY ONE

Species	CDFA Rating	Cal-IPC Rating
Aegilops triuncialis	-	High
Ailanthus altissima	С	Moderate
Albizia lophantha	-	-
Arctotheca calendula	Α	Moderate
Brachypodium sylvaticum	-	Moderate
Bromus tectorum	С	High
Buddleja davidii	-	Watchlist
Carex pendula	-	Watchlist
Centaurea calcitrapa	-	Moderate
Clematis vitalba	Α	Moderate
Cytisus striatus	В	Moderate
Dittrichia graveolens	-	Moderate
Elymus caput-medusae	-	High
Fallopia japonica	Α	Moderate
Hypericum grandifolium	-	Watchlist
Iris pseudacorus	В	Limited
Maytenus boaria	-	Watchlist
Sesbania punicea	-	High
Solanum aviculare	-	Watchlist
Stipa manicata	-	Limited
Stipa miliacea var. miliacea	-	Limited
Stipa tenuissima	-	Watchlist
Ulex europaeus	-	High



Species List: Priority Two Perennials

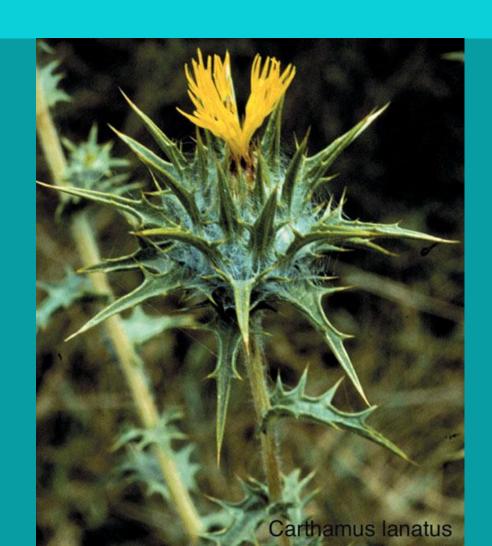


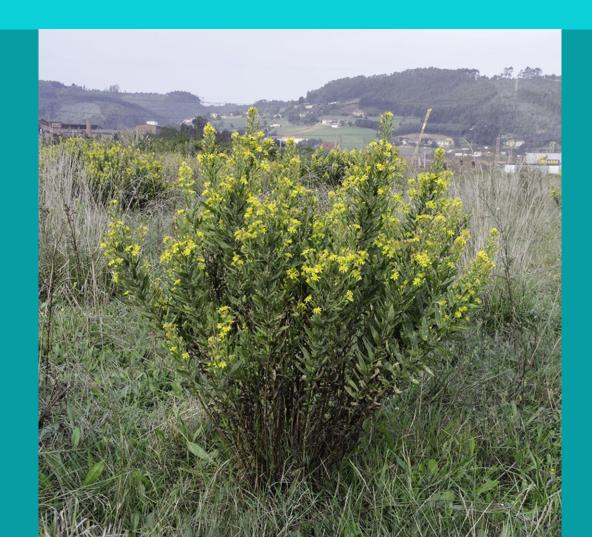
Species List: Building Capacity

By taking perennial Priority Two's off the list for a cycle or two we build capacity

- For more Priority One species
- For more survey geography

Species List: Recognizing Emerging Threats





Take Home

Protocols need to respond to the moment, while maintaining structure.

Geography and species can change.

Staffing often changes whether we want it to or not.

Sweet Spot

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