

Cal-IPC Update:

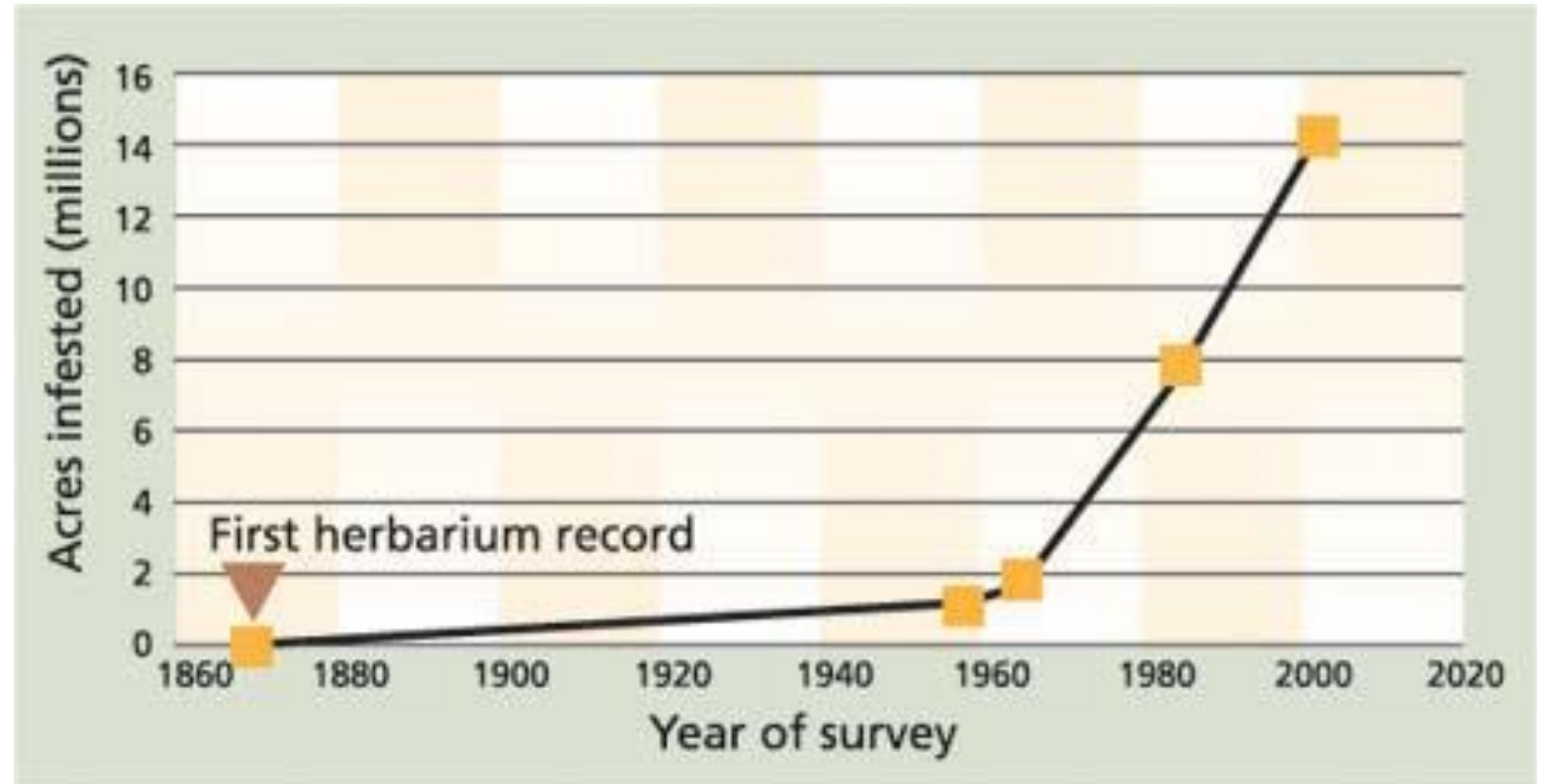
Regional EDRR with Bay Area WMAs

Doug Johnson and Nicole Valentine
California Invasive Plant Council
July 18, 2022



The need for EDRR...

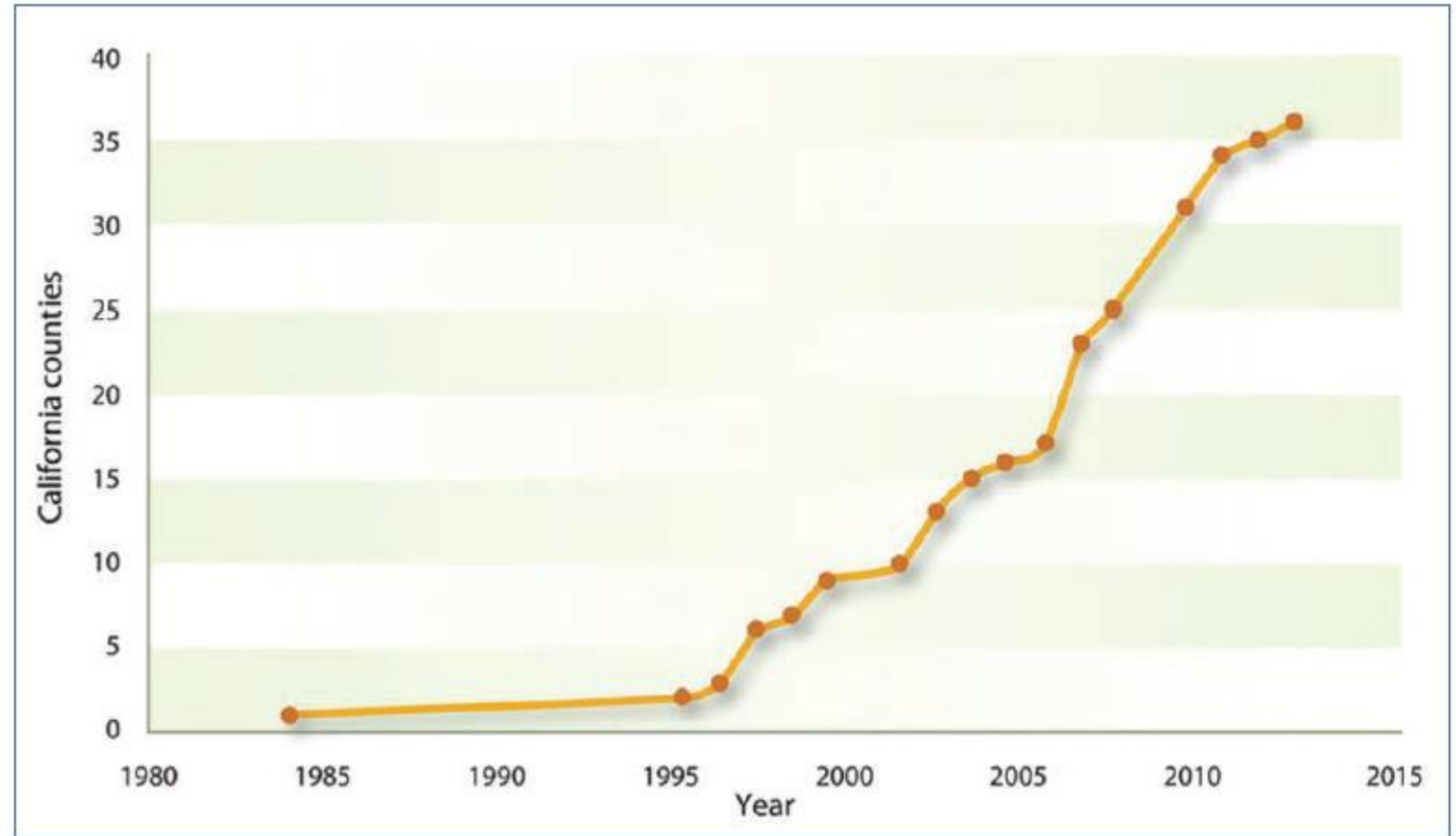
Yellow starthistle in CA



California Agriculture magazine 2006, 60(2):83-90

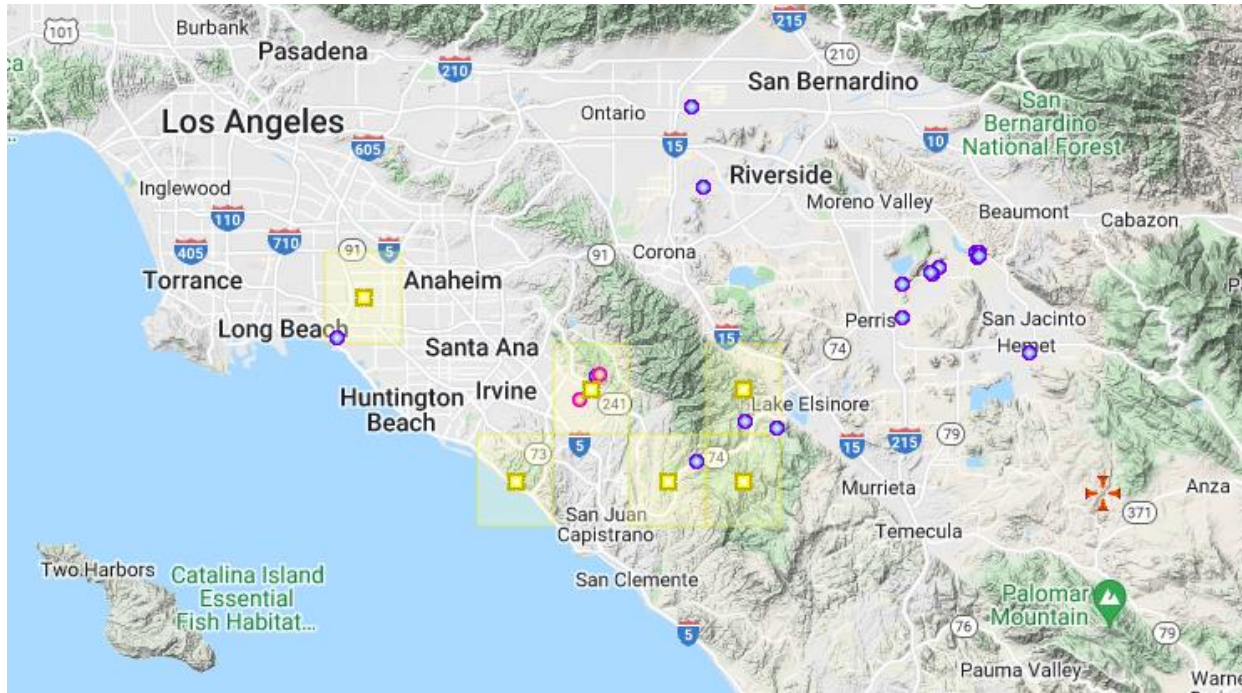
The need for EDRR...

Stinkwort in CA



California Agriculture magazine 2013, 67(2):110

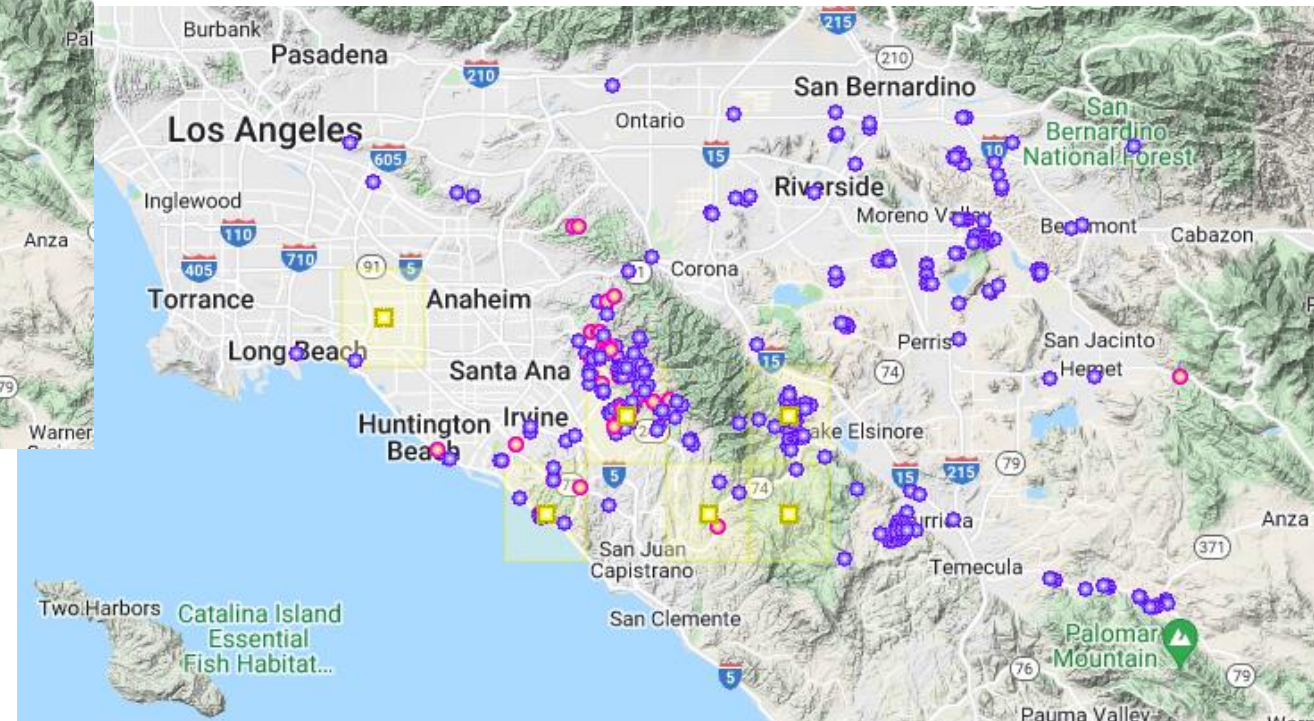
The need for EDRR...



In 2017, there were 26 records

Stinknet (*Oncosiphon pilulifer*) 2017-2022

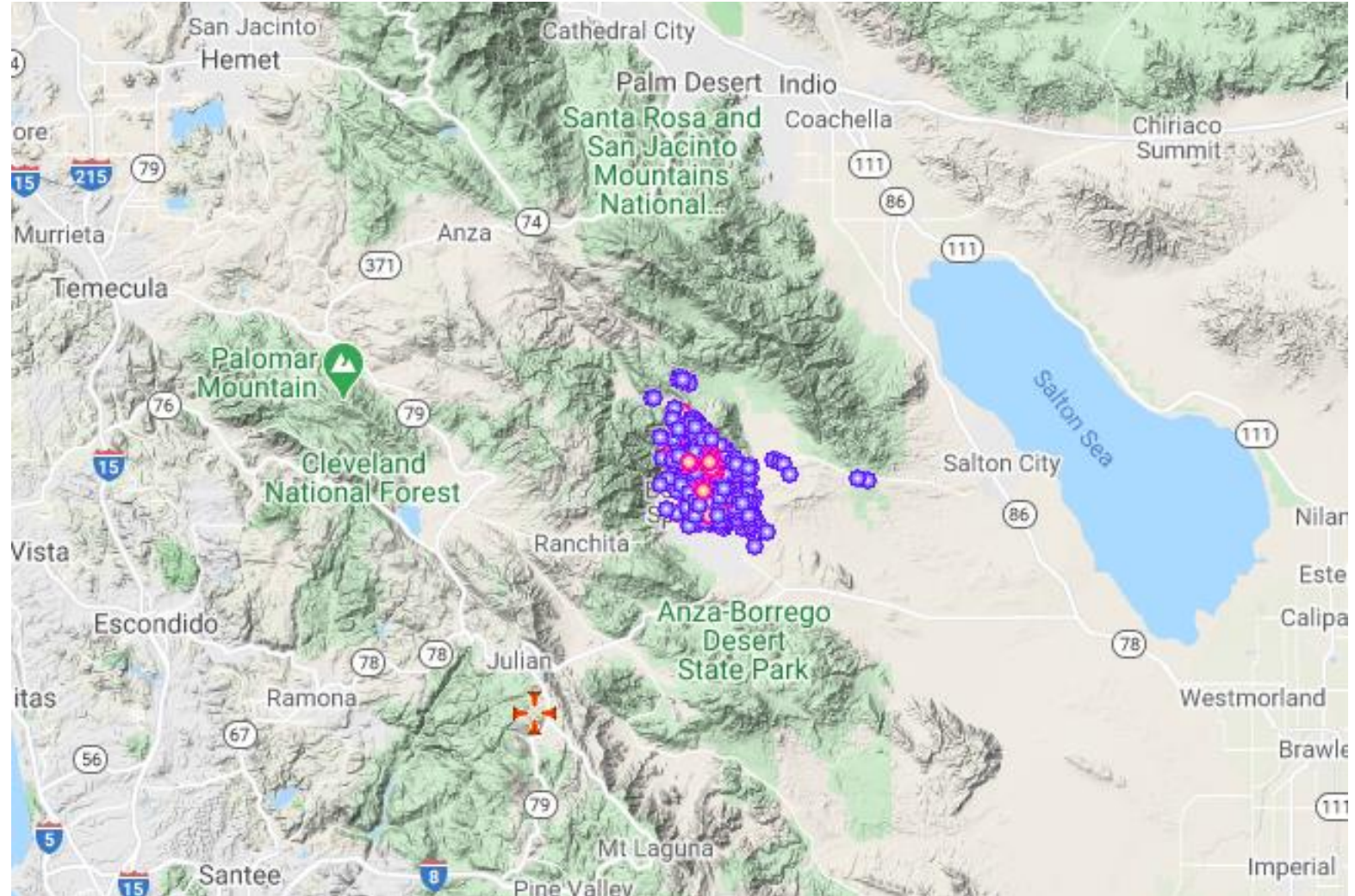
In 2022 there are 1,170 records



The need for EDRR...

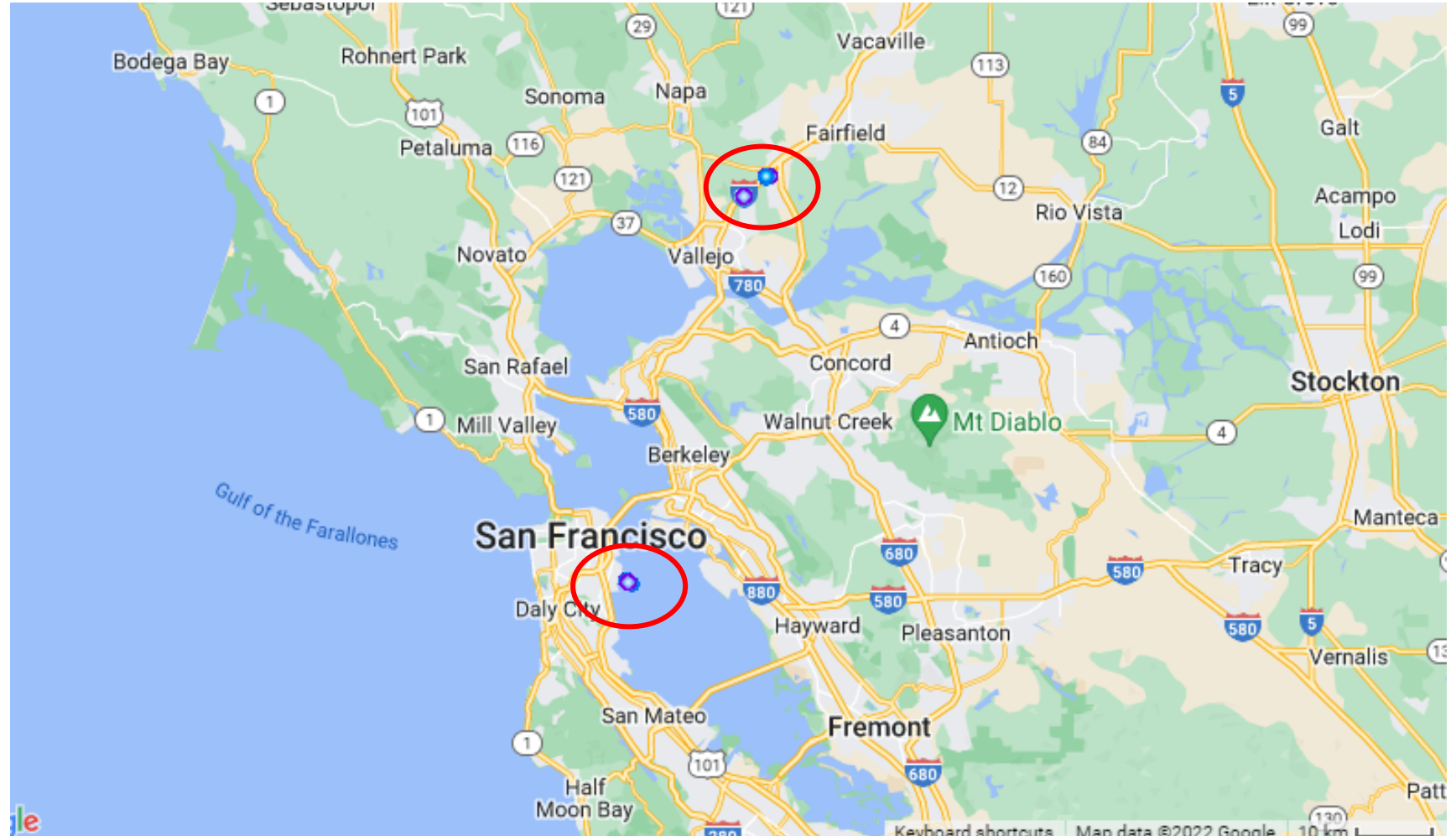


***Volutaria* containment in Borrego Springs**



The need for EDRR...

Dittrichia viscosa (false yellowhead)



Regional prioritization

Using CWM to help set regional EDRR priority species.

Search by Species

rush skeletonweed

Chondrilla juncea
rush skeletonweed

Get report for species:



Photo courtesy of Joe DiTomaso

Cal-IPC Rating: **Moderate**
CDFA Rating: **A**

Species description

Chondrilla juncea (rush skeletonweed) is a perennial or biennial forb (family *Asteraceae*) and can be found scattered throughout California but is considered an invasive species.

Show More

Additional information: See Cal-IPC's Plant Profile or Calflora's Taxon Report.

Search by Region

Cal-IPC Draft Planning Regions

Bay Area

Bay Area

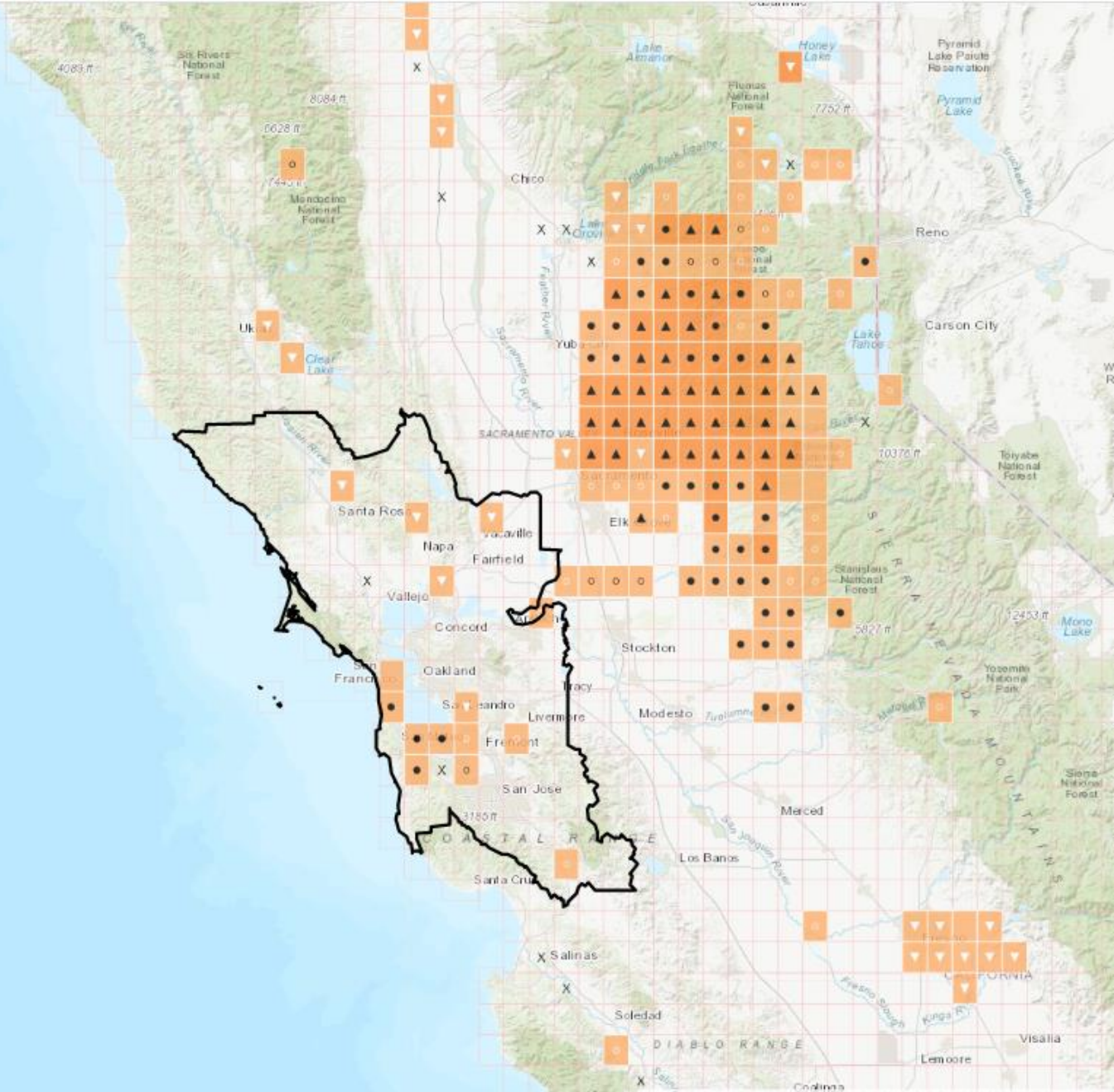
Get report for region:



Management Opportunities

Surveillance	9 species
Eradication	23 species
Containment	222 species
Managed	136 species

Layers



Suitable range

Lots of room to expand. Shows what we're trying to avoid...

CAL IPC CALWEEDMAPPER

Search by Species

rush skeletonweed

Chondrilla juncea
rush skeletonweed

Get report for species: [PDF](#)




Photo courtesy of Joe DiTomaso

Cal-IPC Rating: **Moderate**
CDFA Rating: **A**

Species description
Chondrilla juncea (rush skeletonweed) is a perennial or biennial forb (family Asteraceae) and can be found scattered throughout California but is concentrated in some areas. [Show More](#)

Additional information: See Cal-IPC's Plant Profile or Calflora's Taxon Report.

Search by Region

Cal-IPC Draft Planning Regions

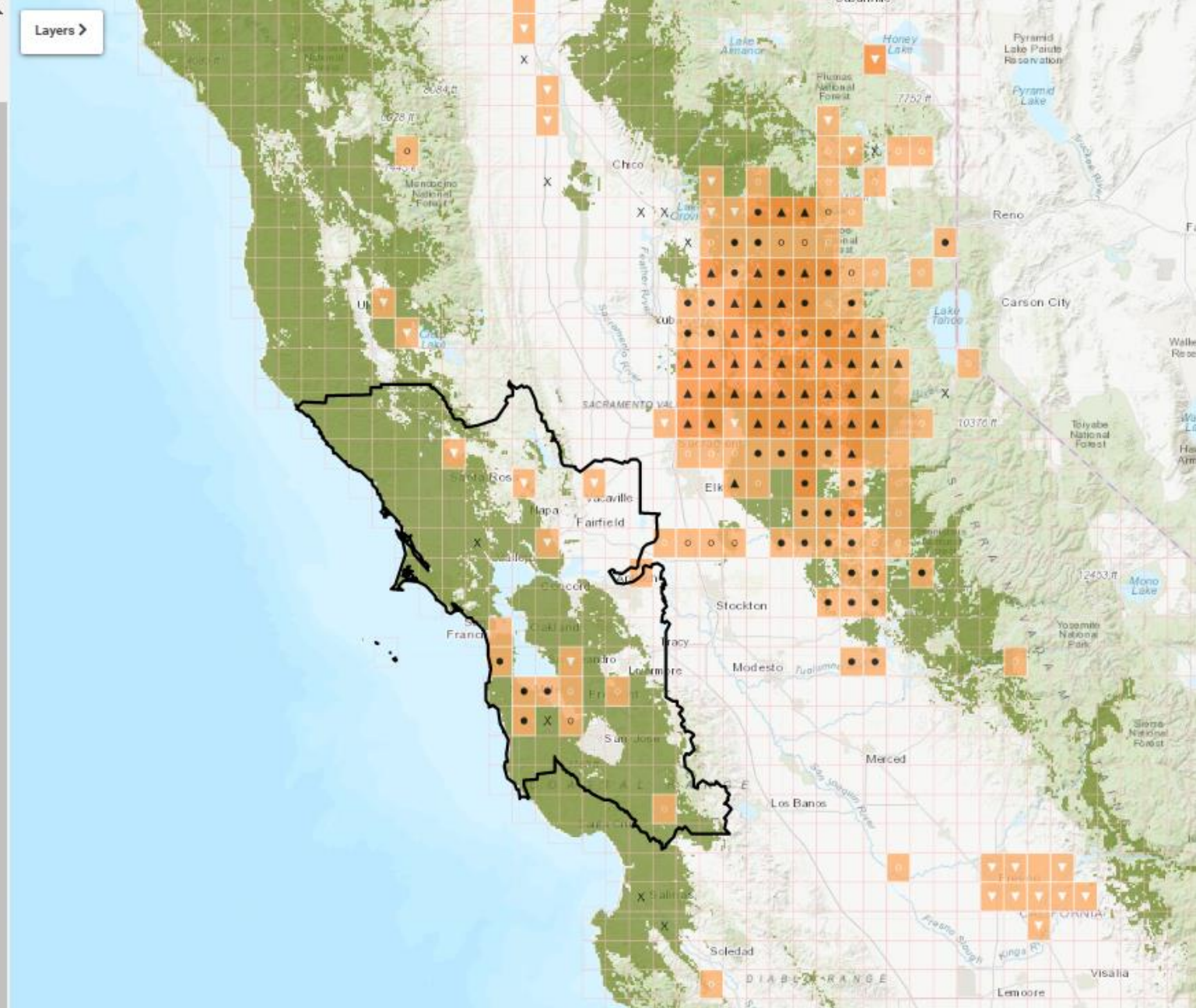
Bay Area

Bay Area

Get report for region: [PDF](#) [XLS](#)

Management Opportunities

Surveillance	9 species
Eradication	23 species
Containment	222 species
Managed	136 species



Selecting Bay Area “rare weeds” as EDRR targets

- In 2020, Cal-IPC met with and surveyed leaders of Bay Area WMAs:
 - San Mateo WMA
 - San Francisco WMA
 - Marin-Sonoma WMA
 - Napa WMA
 - Solano WMA*
 - Alameda-Contra Costa WMA (inactive)*
 - Santa Clara WMA
- Selected EDRR target species.



EDRR/eradication targets (“rare weeds”)

<i>Acroptilon repens</i>	Russian knapweed	47
<i>Aegilops cylindrica</i>	jointed goatgrass	19
<i>Centaurea diffusa</i>	diffuse knapweed	4
<i>Centaurea iberica</i>	Iberian knapweed	9
<i>Centaurea stoebe</i>	spotted knapweed	11
<i>Cuscuta japonica</i>	Japanese dodder	30
<i>Dittrichia viscosa</i>	false yellowhead	15
<i>Euphorbia helioscopia</i>	sunwort	10
<i>Helianthus tuberosus</i>	Jerusalem artichoke	1
<i>Linaria dalmatica</i>	Dalmatian toadflax	8
<i>Oncosiphon pilulifer</i>	stinknet	1
<i>Onopordum Illyricum</i>	Illyrian thistle	9
<i>Paspalum urvillei</i>	Vasey's grass	11
<i>Paspalum vaginatum</i>	seashore paspalum	3
	Total # populations:	178

Plus...

Fallopia japonica (Japanese knotweed) outside the heavily infested San Geronimo Valley in Marin County (15 populations).



Goal

Eradicate* priority species from the region.

Requires controlling all populations of regional priority species.

Need to track progress at landscape level – Calflora.

**or control to very low levels.*

Tracking progress

For each regional priority species:

- Map all populations in Calflora (and use history stacking)
- Mark “management status” for each population

This enables regionwide tracking.

2021 Results

Of the 187 populations of Bay Area EDRR targets mapped in Calflora through 12/31/21:

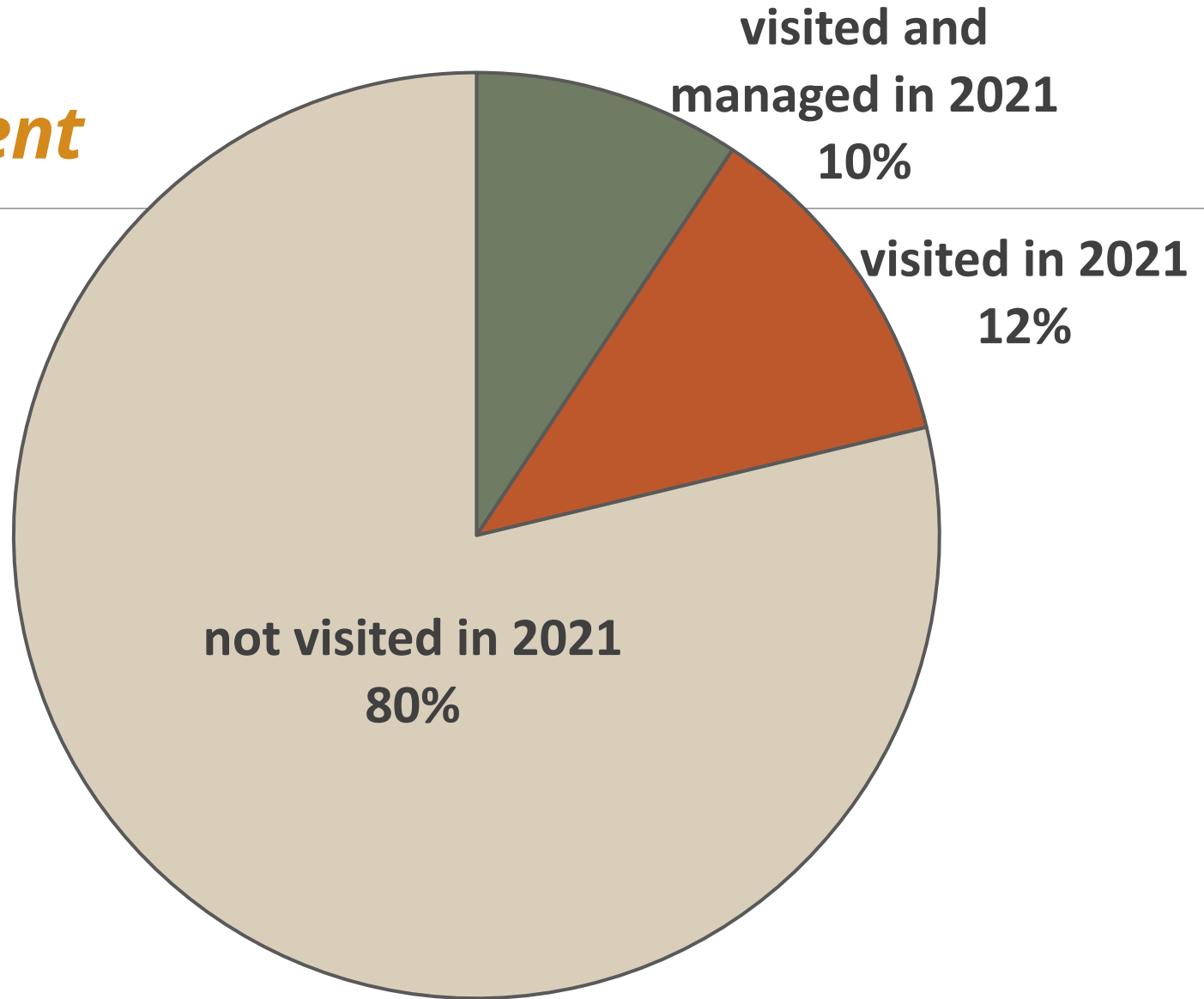
- 25 were newly added in 2021 (up 15%)
- 41 were visited in 2021 (22%)

...of these, 18 (44%) are marked as “under management”

Thus, per Calflora record keeping, 10% of EDRR populations were controlled in 2021.

2021 management

Of the 187 total
populations of EDRR
target species/rare
weeds



This year's results to date

Of the 193 Bay Area EDRR target populations mapped in Calflora to date:

- 6 are newly added this year
- 8% have been visited (as marked in Calflora)
 - ...of these, 53% are marked as “under management”

Thus, 4% of populations were controlled

(all per Calflora record keeping)

County kudos

- highest % of populations managed: **Marin** (80%)
- most populations with history stacks: **Santa Clara** (9)
- most populations mapped: **Alameda** (43) and **Contra Costa** (39)

Overall assessment

Status – WMA partners are controlling some of the populations and tracking some of the populations.

We're currently at only 10% of our goal of controlling all populations.

Future – New WMA funding will help.

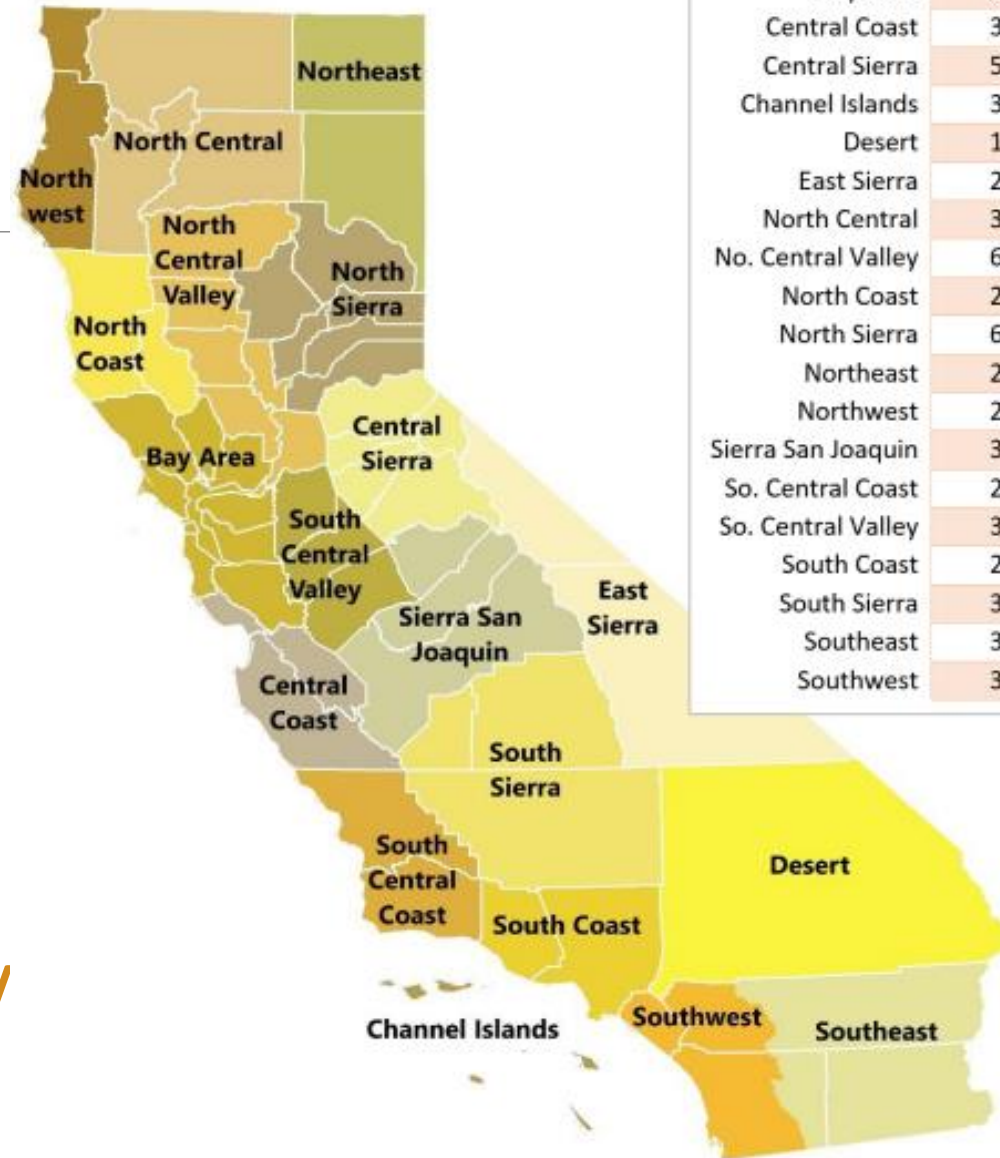
Statewide regional planning

- Cal-IPC, CDFA, CACs, and WMAs
- Weed species that are...
 - CDFA-rated
 - found in less than 10% of the region
 - being worked on across the region

...became regional priority species

See the regional lists at:

www.cal-ipc.org/solutions/wmas/



Region (alphabetically)	No. Counties	Area (sq. miles)	No. EDRR Targets
Bay Area	9	6,907	17
Central Coast	3	5,114	8
Central Sierra	5	6,282	7
Channel Islands	3	351	37
Desert	1	20,057	-
East Sierra	2	13,230	12
North Central	3	13,233	18
No. Central Valley	6	7,996	18
North Coast	2	4,763	11
North Sierra	6	8,139	14
Northeast	2	8,459	5
Northwest	2	4,574	8
Sierra San Joaquin	3	9,544	3
So. Central Coast	2	6,034	7
So. Central Valley	3	4,821	7
South Coast	2	5,901	10
South Sierra	3	14,346	6
Southeast	3	15,590	5
Southwest	3	12,204	22

How to help track

1. **Map in Calflora** – every rare weed population, every year
2. **Use history stacking** – append records, don't duplicate
3. **Mark management status** – and leave details in “notes” field
4. **Set up email alerts** – and follow up on new observations

Training videos available from recent webinars at:

[**www.cal-ipc.org/solutions/mapping/**](http://www.cal-ipc.org/solutions/mapping/)

Thank you!

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See the regional lists at:

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See training videos at:

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