Cal-IPC Update:
Regional EDRR with Bay Area WMAs

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California Invasive Plant Council
July 18, 2022
The need for EDRR...

Yellow starthistle in CA
The need for EDRR...

Stinkwort in CA

California Agriculture magazine 2013, 67(2):110
The need for EDRR...

Stinknet (*Oncosiphon pilulifer*)
2017-2022

In 2017, there were 26 records

In 2022 there are 1,170 records
The need for EDRR...

**Volutaria** containment in Borrego Springs
The need for EDRR...

*Ditrichia viscosa* (false yellowhead)
Regional prioritization

Using CWM to help set regional EDRR priority species.
Suitable range

Lots of room to expand. Shows what we’re trying to avoid...
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")

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

*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

- Visited and managed in 2021: 10%
- Visited in 2021: 12%
- Not visited in 2021: 80%
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/
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/
Thank you!

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