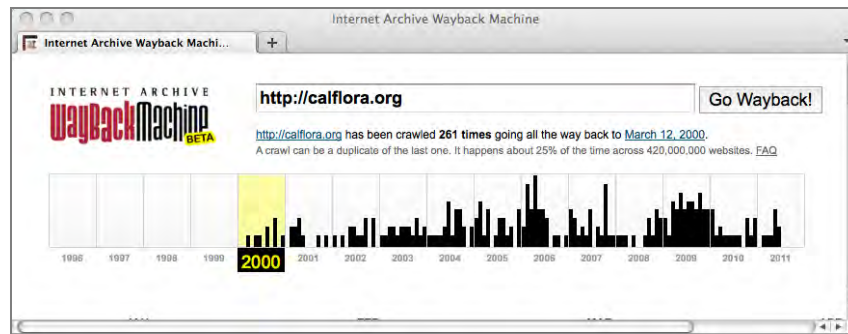




Calflora




CalFlora

CalFlora

a botanical resource for California on the internet

Overview
[Occurrence Database](#)
[Synonyms Database](#)
[Photos Database](#)

see also:
[about CalFlora](#)
[about Species Database](#)
[what's new?](#)
[frequently asked questions](#)
[references](#)
[staff](#)
[collaborators](#)
[advanced queries](#)
[sample queries](#)


[CalTrans query](#)
[database field descriptions](#)
[download the data](#)
[related projects](#)
 comments or questions about CalFlora? [email us!](#)

To query the CalFlora database of 8,363 vascular plants, complete one or more of the fields below and then click on the "search" button. [Instructions](#)

plant name

type all or part of a name into the box above, or choose a name from a list:

Index of common names:
[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Index of scientific names:
[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Index of family names:
[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [R](#) [S](#) [T](#) [U](#) [V](#) [Z](#)

county

Alameda
 Alpine
 Amador
 Butte

[reference map](#)

elevation occurs between:

ft. (lower) and
 ft. (upper) elevation.

lifeform

Annual herb / Wildflower
 Perennial herb / Wildflower
 Grass-like plants

Find: Match case

california



Early History of Calflora

Calflora was started in 1994 by Ann Dennis while at the US Forest Service to help assess how management practices might affect wildlife, plant diversity, and forest health. Originally an 8-character DOS filename, Calflora was a database of species information that could be downloaded and used on a personal computer. Subsequent versions made the taxon table a web-searchable database, and tested the three table concept of taxon, synonymy and occurrence data. An important early collaborator was the Texas A&M University Bioinformatics Working Group.

In 1997, Calflora began collaborating with the UC Berkeley Digital Library Research Project to unite the Calflora database with a collection of wildflower images. Digital Library Project staff members including Ginger Ogle, Joyce Gross, Jeff Anderson-Lee, and Loretta Willis provided invaluable assistance in advising and developing the original CGI-based technical infrastructure of Calflora. The nucleus of the CalPhotos wildflower image collection was formed by a donation of scanned slides from photographer and amateur botanist Brother Alfred Brousseau of St. Mary's College. This was supplemented by additional major photo donations from the California Academy of Sciences, California Department of Food and Agriculture, and many private individuals. Calflora has worked with CalPhotos to expand their collection of California native plant photos and weed photos.

Tony Morosco also joined Calflora in 1997 to begin assembling a library of observation data on California plants. In January of 2000 Ann Dennis, Tony Morosco, John Game, Emily Roberson, and Dean Taylor founded the public benefit corporation The Calflora Database to ensure the future of Calflora's services.

Calflora is an independent organization dedicated to providing scientific information about California plants for research, conservation, and education. Calflora is supported by a mixture of funding from government agencies, grants from foundations, and private donors. Many other individuals and organizations also contribute data, expertise, and technical support.



information on **wild California plants** for conservation, education, and appreciation

Help Support
Calflora



Search for Plants

Common Names [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Scientific Names [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Family Names [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

plant name

NAME WIZARD

Enter part of a name, scientific or common:
dandelion, Delphinium, or Dryopteridaceae

county
(multiple)

lifeform

All plants

Ferns & Relatives

Grass & Grass-like plants

Annual Wildflowers

Perennial Wildflowers

Vines

Shrubs

Trees

native /
non-native

All plants

Plants **native** to California

Plants **not native** to California

Cal-IPC **invasive** Plants

rarity

All plants

Rare plants

Non-rare plants

...with an affinity to **serpentine** soil

elevation

below feet, above feet

community

any
Coastal Strand
Coastal Salt Marsh
Freshwater Wetlands
Northern Coastal Scrub
Coastal Sage Scrub

category

All plants

Monocots

Dicots

Gymnosperms

Pteridophytes

result format

No photos

Species names in plain text

Order by

taxon

SEARCH TIPS

My Calflora

About Calflora

Observation Search

Plant Name Search

Native plant
observation hotline

Application Notes

Invasives

What Grows Here?

Add Observations

NRCS California
eVegGuide 2.0

REGISTER

Donate Now



© 2009 Zoya Akulova (CalPhotos)



© 2008 Neal Kramer (CalPhotos)

Cytisus scoparius (L.) Link

scotch broom, scotchbroom

Cytisus scoparius, a dicot, is a **shrub** that is **not native** to California; it was introduced from elsewhere and naturalized in the wild.

! The California Invasive Plant Council (Ca-IPC) lists plants that cause serious problems in native ecosystems. In the 2006 list, Ca-IPC classifies the statewide impact of Cytisus scoparius as **high** (plant profile).

Cytisus scoparius is also classified by the California Department of Food and Agriculture as a **Noxious Weed List C**: Control required in nurseries, not required elsewhere. [CDFA Weeds 2000]

Community: introduced plant which is becoming naturalized

Toxicity: **MINOR** [California Poison Control System 2010]

Elevation: between 0 and 3281 feet

Family: **Fabaceae**

Name Status:

Recognized as **current** in JMQ3 + ICPN + PLANTS

Synonyms:

ICPN: Cytisus scoparius var. andreanus

ICPN: Cytisus scoparius var. scoparius

Related: See a list of other species in the genus **Cytisus** found in California.

This is a parent record; distribution data is an aggregate of data for subspecies and varieties:

Cytisus scoparius var. andreanus

Cytisus scoparius var. scoparius

Distribution in California by County from available records:



A shaded county indicates that there are **one or more** occurrence records of this plant within the county.

Hover the mouse over the map to see county names. Click to view records from that county.

- There are specimen records from this county in an herbarium.
- There are documented records, vouchered or confirmed by an expert.
- There are reported records.
- There are reported records available indirectly (eg. in botanical literature).

See a detailed **Distribution Grid** of this plant in California.

Look for **Observations with Photos**

[View All Records](#)

Click to center the map in an area of interest then zoom in.

Cytisus scoparius

scotch broom

lifeform: Shrub
not native / invasive



© 2009 Zoya Akulova



© 2008 Neal Kramer

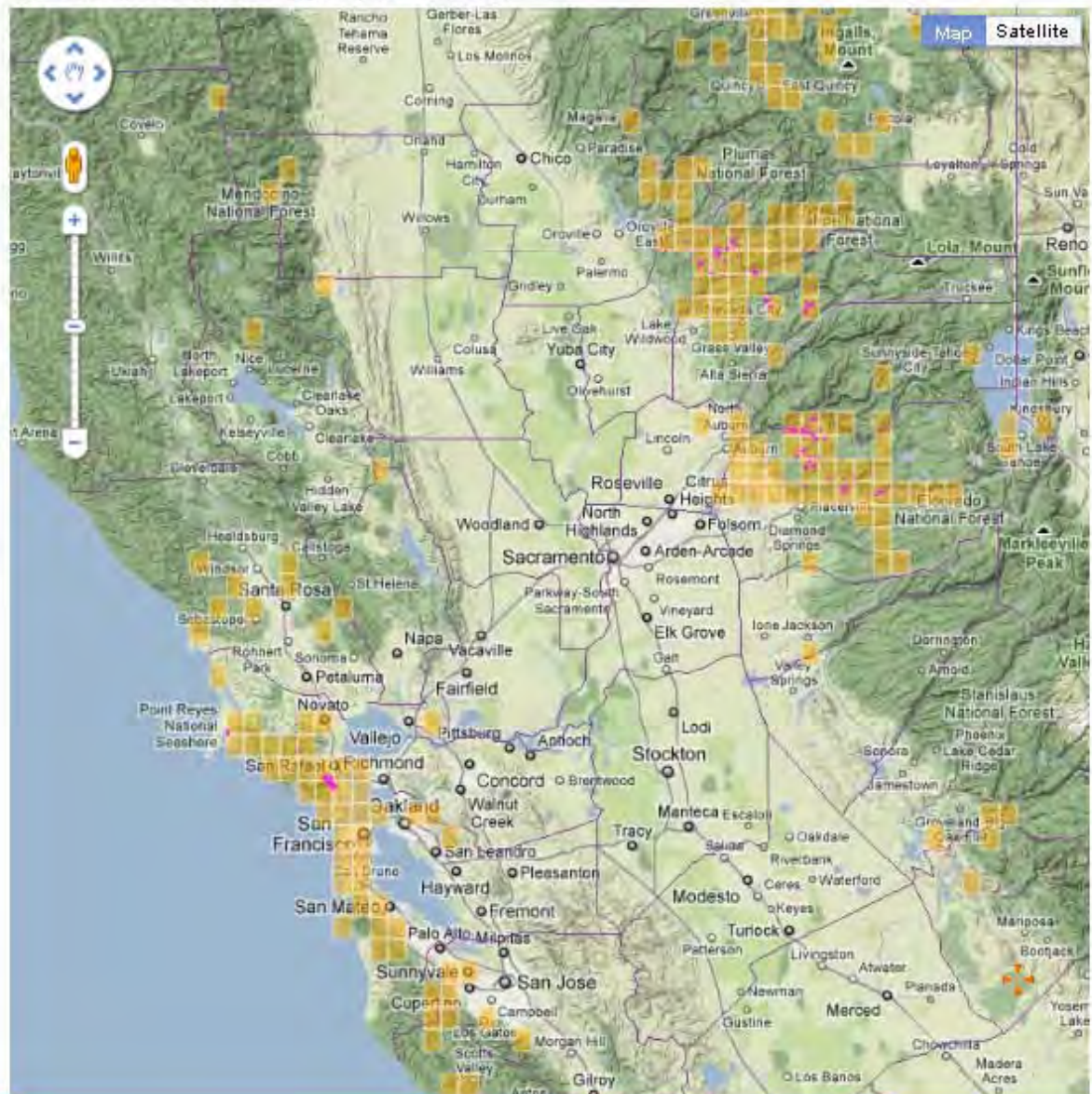
DISPLAY: Distribution Grid

update

Lines and Polygons

1450 records

Cell size: 4 arc minutes



Calflora
What Grows Here

OPEN SPACE
PRESIDIO

San Francisco County 37,7968, -122,464
About this Open Space Access Key

polygons visible on the map: Mouse over the map to see polygon names - Click to select a polygon. Drag to re-position the map.

PRESIDIO

ALAMEDA Natl Wildlife Refuge

ALAMO

ALBANY Beach

ALBANY BULB

Map Attributes

Zoom	Relief	Roads	Names
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> Towns
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> Streams
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> Mountains

Plant Selection

Within entire map selected polygon

Status **any** Lifeform **any**

Community **any**

Genus

Output **photo** Group by **none**

Minimum observation count **1**

search for plants

Points indicate observations - Mouse over or click points for observation details.

Found 2131 plants (5575 points). Records indicated below are provided by the participants of the Consortium of California Herbaria (CCH).

Scientific Names / Common Names	Nativity / Lifeform	Photo	Observations - click for details
<i>Abronia latifolia</i> coastal sand verbena, yellow sand verbena, Sand verbena	native Perennial herb		35 records; 12 from CCH Gerrit and Elin Correll 1999 California Academy of Sciences
<i>Abronia umbellata</i> pink sand verbena, purple sand verbena, Beach Sand Verbena	native Perennial herb		6 records; 4 from CCH © 2008 Elin Morse
<i>Abronia umbellata</i> ssp. <i>umbellata</i> sand verbena, pink sand verbena	native Perennial herb		14 records; 1 from CCH © 2007 Elin Morse
<i>Abronia umbellata</i> var. <i>umbellata</i>	native Perennial herb		3 records






Viewing plant list # px31 **California Phenology Project Species List** [NEW LIST](#)

LIST NAME **ACCESS** (who can use this list?)
 California Phenology Project Species List everyone

DESCRIPTION (what is this list for?)
 Something to demonstrate how easy it is to make a list. Names were obtained from WWW and may not be the current list of species being monitored.

PLANTS [full page version of this list](#)

27 plants. Click on Scientific Name for a taxon report. group by family photo

Scientific Name	Common Name	Lifeform	
Aesculus californica	buckeye	Tree	 © 2003 George W. Hartwell
Amsinckia menziesii	Fiddleneck	Annual	 © 2006 George W. Hartwell
Arctostaphylos patula	green leaf manzanita	Shrub	 Gerald and Buff Corsi© 2010 California Academy of Sciences
Calochortus macrocarpus	Sagebrush mariposa lily	Perennial	 © 2003 Christopher L. Christie
			

Search for Lists [SEARCH](#)

15 results. Click on a name to see details.

Name	By	Updated
BAEDN Priority Weeds	J Malpas	2010-10-11
Cal-IPC Priority Weeds	J Malpas	2010-11-30
Nevada Weed List	Daniel Gluesenkamp	2011-03-08
Oregon weeds	Daniel Gluesenkamp	2011-03-08
Presidio plants	Daniel Gluesenkamp	2011-05-19
DE SFB NWR EEC	David Thomson	0000-00-00
DE SFB NWR Warm Springs Unit	David Thomson	2011-05-24
Bay Area Species (all)	Tony Morosoo	2011-06-16
East Bay Species List	Tony Morosoo	2011-06-16
Colusa County Resource Conservation District weed list	Daniel Gluesenkamp	2011-07-08
plants with shape data	J Malpas	0000-00-00
Cal-IPC Training	Demo Calflora	0000-00-00
California Phenology Project Species List	Daniel Gluesenkamp	2011-08-31
Santa Rosa Vernal Pool Plants	Daniel Gluesenkamp	2011-09-02
UC IPM Agricultural Weeds	J Malpas	2011-09-21



10:34 AM

Calflora Observer


pick a plant

take a photo

NEXT RECORD: #1

Press a button below to make an observation.


Phalaris aquatica
Harding grass



Centaurea solstitialis
yellow star thistle



Foeniculum vulgare
Biscuit root



home menu back search

htc

Turn your geotagged photos into observations

Select up to 5 geotagged image files to upload.

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 5:



Notes:

- Photos must be geotagged with latitude and longitude in the EXIF GPS tags.
- Photos must have been taken in California
- You will have a chance to edit the species names, locations, and other details before the observations are published.
- We will attempt to add location information such as county, city, zipcode, and approximate street address to the *Original Location Description* of your observation based on the lat/long provided. Calflora uses the [GeoNames.org Extended Find Nearby Reverse Geocoding](#) web service to extract this information. You can edit this information before publishing.
- Observations will be unpublished by default, until you choose to publish them.
- Combined file size can not exceed 18MB per upload.
- Calflora will automatically resize larger photo down to XGA resolution (1024x768 pixels).
- If you wish to store full resolution files on a website, Calflora recommends a service such as [Picasa](#) or [Flickr](#).
- This application does not currently read IPTC location tags in image files.

Frequently Asked Questions:

- How do I take or create geo-tagged photos?
- How are geotagged photos processed?



Calflora / BAEDN Weed Observation Entry

San Francisco Coastal 2202.1

Partially funded through a grant from the National Fish and Wildlife Foundation.

THEME **WATERSHEDS**

(Calwater 2.2)

Show county lines & streams

Show area names

Resolution

- Hydrologic Unit
- Hydrologic Area
- Super Planning Watershed
- Planning Watershed

Viewing observation # cbo227

Entered by Daniel Gluesenkamp on 2010-06-29

Specify location by coordinates

Scientific Name * report

Senecio elegans

Common Name

purple ragwort

Observation Date * YYYY-MM-DD

2010-06-29 today calendar

Phenology

Fruiting

Infested Area *

5 Square Meters

Gross Area

20 Square Meters

Canopy Closure *

Moderate (5.1 - 25%)

Distribution

Dense Monoculture

Ownership *

Public Land

Habitat

Observer *

Daniel Gluesenkamp

Source

Dan Gluesenkamp: Audubon Canyon Ranch; Bay

Location Description

At Lou's

Comments

SAVE • Edit this observation

• Delete this observation

▶ Photos

• New observation

• New observation, same plant

• New observation, same location

▶ Show Observations

Published? (is this record visible to other users)

unpublished

Name of Herbarium, if specimen

Print Herbarium Labels

[FAQ](#) about contributing observations

[Send Comments](#) about this Application

Weed Observation [Download](#) / [Upload](#)

[Record detail](#)

Latitude * Longitude * Drag to move the map.
Click to mark the location and re-center.

37.779123 -122.512842



Observations submitted by Dan Gluesenkamp

Scientific Name report Common Name Plant Status any County multiple

Observer Source

Location in map area

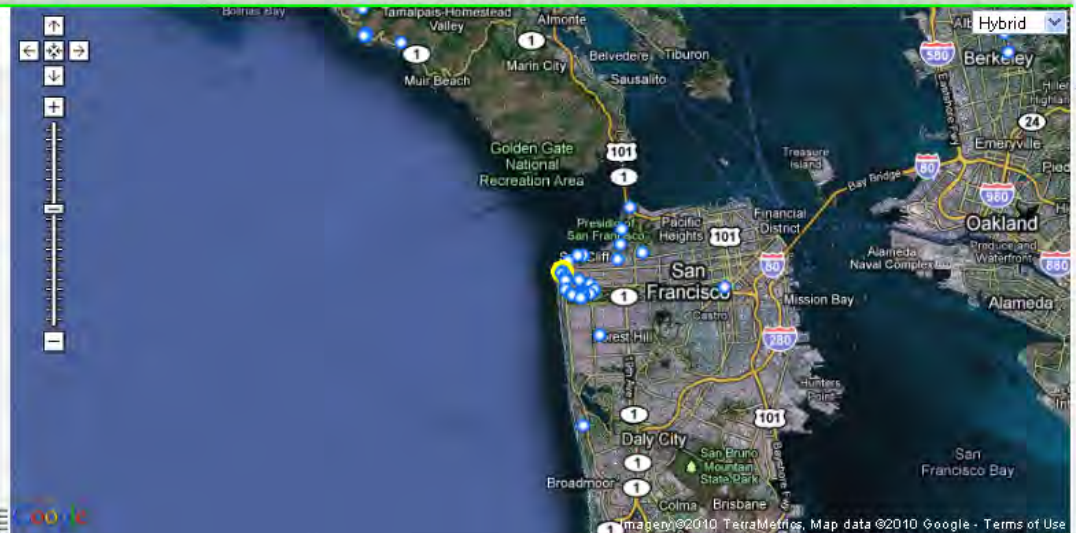
Date added to Calflora Published? any

include checklists only records with photos

Order by Date Added

Column Set Basic Data

127 records: Press the ID number to edit an observation.



ID	Plant	Photo	Observer	Source	Index Date	Observation Date	County	Location	Comments
cbo227	Senecio elegans Ragwort		Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-06-29	2010-06-29	San Francisco	At Lou's	
cbo230	Quercus kelloggii California black oak		Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-06-29	2010-06-29	Sonoma	parking area at Bouverie	
we157	Foeniculum vulgare Biscuit root	none	Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network, BAEDN	2010-06-29	2010-06-29	Sonoma	Roadside along Hwy 37 is covered!	
cbo202	Marrubium vulgare White Horehound		Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-06-28	2010-06-28	Alameda		
cbo203	Silybum marianum milk thistle		Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-06-28	2010-06-28	Alameda		

Numbers

~21,000 registrants

~252,000 unique users in 2010

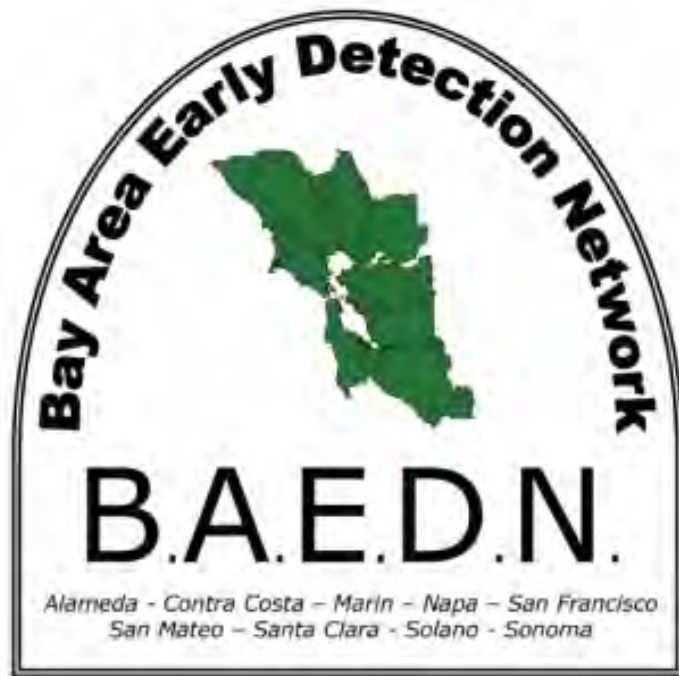
~2,000,000 occurrences (120K)

~2,500 site checklists (5K)

300+ published studies and reports (180)

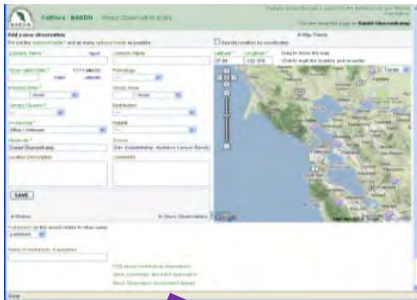
Bay Area Early Detection Network

BAEDN

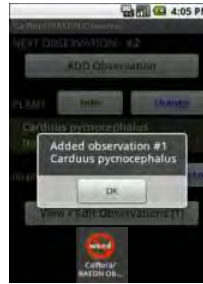


Occurrence Reporting

Web Entry App



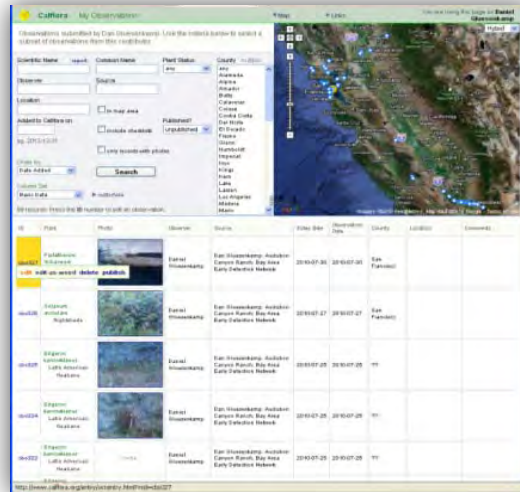
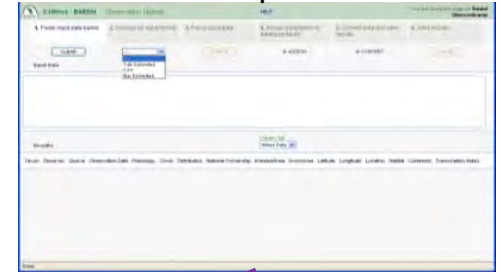
Phone



Geotagged Photo



Dataset Upload



Map the **Spread!**

Cal-IPC Mapping Project

Dana Morawitz
Elizabeth Brusati
Suzanne Harmon
Tony Morosco
Cynthia Powell
Falk Schützenmeister



California
Invasive Plant
Council

calweedmapper.calflora.org

CalWeedMapper

home | maps | how to | spatial data | plant profiles | about

BETA

basic | advanced

Acroptilon repens




Photo courtesy of David Clong

**Acroptilon repens
(Russian knapweed)**

Cal-IPC Rating: Moderate
Other Ratings: CDFA B, BAEDN

species description

get species map report

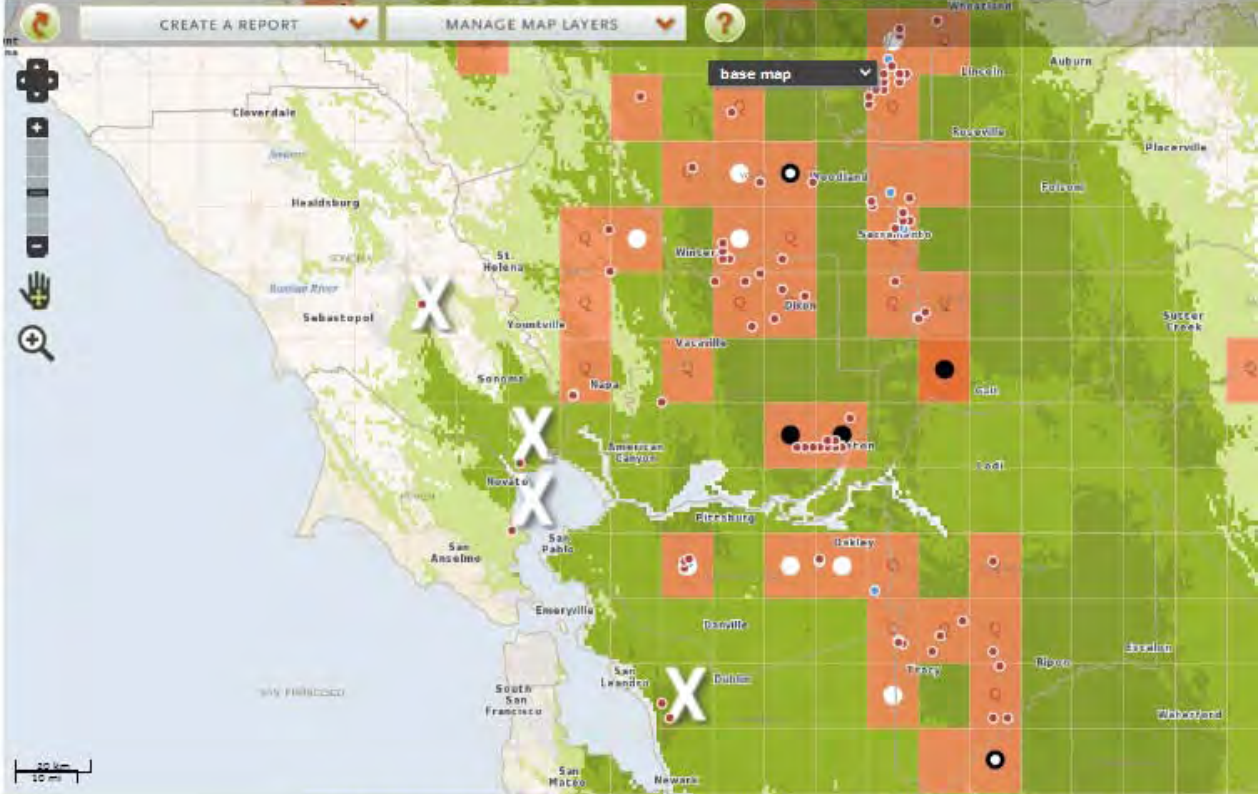
SELECT REGION TYPE

SELECT REGION

CREATE A REPORT

MANAGE MAP LAYERS

base map



Map showing the distribution of *Acroptilon repens* (Russian knapweed) in California. The map displays various counties and cities, with red and orange markers indicating the presence of the species. The map is overlaid with a grid and includes a scale bar (0 to 20 km / 0 to 10 mi).

Copyright © 2011 California Invasive Plant Council. Developed with California, TerraGIS, and other partners. Cal-IPC is an equal opportunity provider. More info



Plant or Seed Mix Report

Enter Criteria Choose Location on a Map

MLRA 4ETa Zone **Vegetative Soil Group**
23 - Malheur High Plateau f: (6-9 inches) F - Choice of plants limited by Salinity or Alkalinity

Practice **Sub Practice** **Irrigated**
- choose a value - --- no

- choose a value -
- choose a value -
- 322 - Channel Vegetation
- 327 - Conservation Cover
- 332 - Contour Buffer Strips**
- 340 - Cover Crop
- 342 - Critical Area Planting
- 380 - Windbreak/Shelterbelt Establishment
- 386 - Field Border
- 390 - Riparian Herbaceous Cover
- 391 - Riparian Forest Buffer
- 393 - Filter Strip
- 412 - Grassed Waterway
- 422 - Hedgerow Planting
- 512 - Pasture and Hay Planting

Resident Status **Plant Type** **Growth Cycle**
Plant characteristics: native Tree, Shrub any

BEST PLANTS, BEST PRACTICES

A guide to conservation planting in Napa County [draft - beta version]



- Home
- About this Site
- Plants for Projects
- List of Conservation Practices
- Complete Napa Co. Plant List
- Contact Us
- NRCS Services

Welcome

Best Plants, Best Practices is a website that offers advice about how to use plants for conservation land management practices. The site is designed for is for agricultural professionals, landscapers, gardeners, and suburban homeowners. It is a collaborative project of the Napa County Resource Conservation District and the Calflora Database, and relies on data from NRCS California. This site is all about using plants to achieve specific agricultural or landscaping goals.

Getting Started

Each button below will take you to a search tool. Click the first button to build a plant list based on your conservation planting needs.

Plants for Projects



Weed Identification



Plant / Insect Associations



Coming soon.




Calflora: What Grows Here

Calflora: What Grows Here

http://www.calflora.org/app/wgh?page=entr


Google

Most Visited Getting Started Latest Headlines Bookmarks

 **Calflora**
What Grows Here

What grows in my

- Town
- Zip Code
- County
- Watershed
- Park, Reserve or Open Space
- Named Location
- Quadrangle
- I will pick the location on a map

 Go

[About *What Grows Here*](#) • [FAQ](#) • [Find a Location in California](#) • [About the Map Viewer](#) • [Contributing Observations](#)

Manager Module

Calflora - My Observations - Mozilla Firefox

http://www.calflora.org/entry/myobserv.html?vuser=19058&vname=Dan+Gluesenkamp#search=t&cc=ALA&pub=pub&sort=index_date

beard bargeron invasive

Most Visited Latest Headlines Calflora - My Observa... Geotagged Photo File ... Futurefarmers MEKA to SLIKS conver... Upland Habitat Goals ... Collaboration for Envir... Home - Managing Inv... Conservation Evidence

beard bargeron invasive florida - G... Agenda.pdf (application/pdf Object) ma-eppc : Message: Fw: National C... ma-eppc : Mid-Atlantic Exotic Pest ... rosarypea: Abrus precatorius (Fab... Calflora - My Observations

Calflora My Observations Links Map Theme You are logged in as Daniel Gluesenkamp • LOGOUT

Observations submitted by Dan Gluesenkamp. Use the criteria below to select a subset of observations from this contributor.

Scientific Name [report](#) Common Name Plant Status County [multiple](#)

Observer Source

Location in map area

Added to Calflora on include checklists Published? [published](#)

eg. 2012-12-31 only records with photos

Order by [Date Added](#)

Column Set [Basic Data](#) [customize](#)

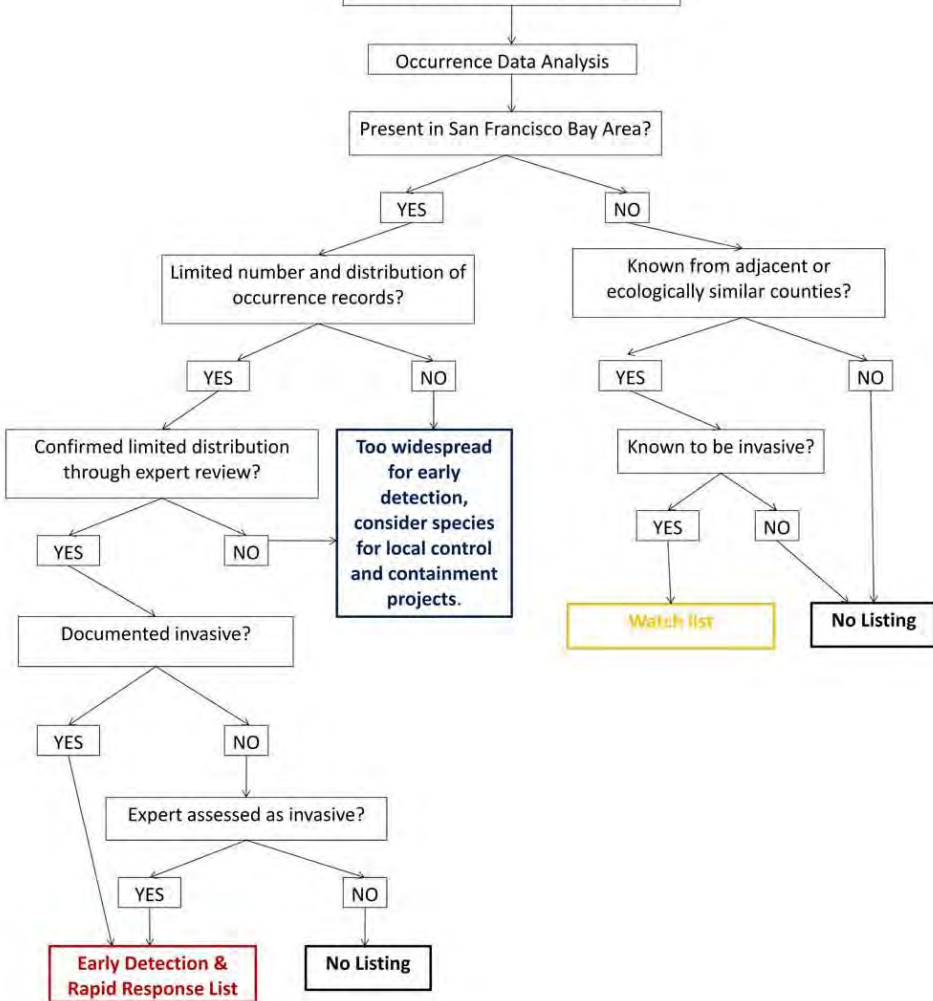
SEARCH

71 records: Press the ID number to edit an observation.

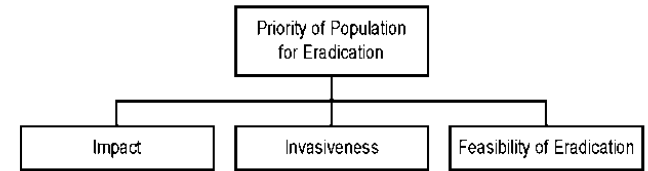
ID	Plant	Photo	Observer	Source	Index Date	Observation Date	County	Location	Comments
cbo1572	<i>Piptatherum miliaceum</i> smilo grass	none	Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-09-22	2010-09-22	Alameda		
cbo1571	<i>Echium candicans</i> pride of Madeira	none	Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-09-22	2010-09-22	Alameda		
cbo1569	<i>Cortaderia jubata</i> Andean Pampas Grass	none	Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-09-22	2010-09-22	Alameda		
cbo1570	<i>Echium candicans</i> pride of Madeira	none	Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-09-22	2010-09-22	Alameda		

Prioritization Tools

Prioritizing Species for Early Detection & Rapid Response

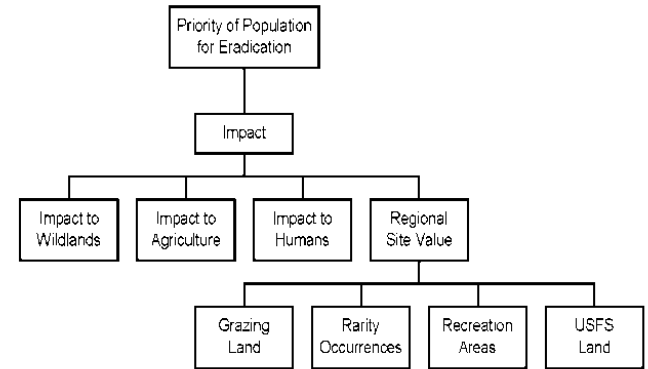


APPENDIX A— Hierarchy Used for Prioritization Analysis



The overall priority of the population for eradication is divided into three major criteria.

AKA Tier 1: Impact, Invasiveness, and Feasibility of Eradication.

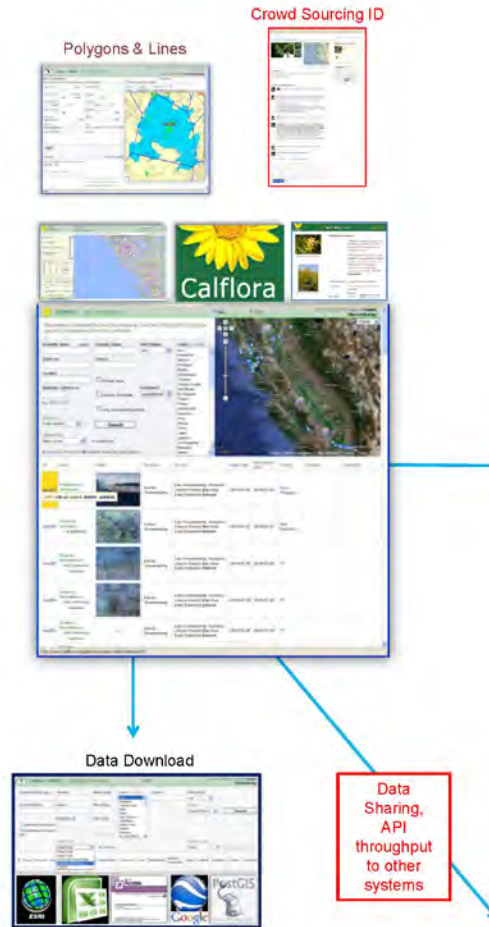


The Impact major criterion is further broken down into sub-criteria. AKA Tier 2: Impacts to wildlands, agriculture, humans, and regional site value. The regional site value sub-criterion is further broken down into sub-sub-criteria. AKA Tier 3.

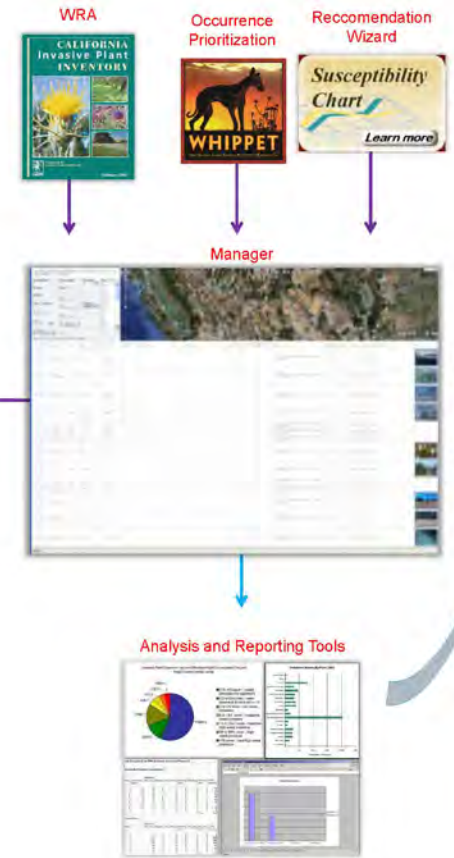
Input



Database



Conservation



Integrated Mapping & Management Planning Platform

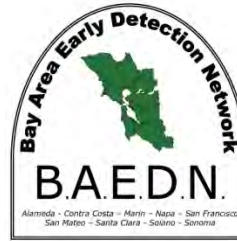
Black = completed modules, Red = in development

Planning





Partners and Supporters





dan@calflora.org