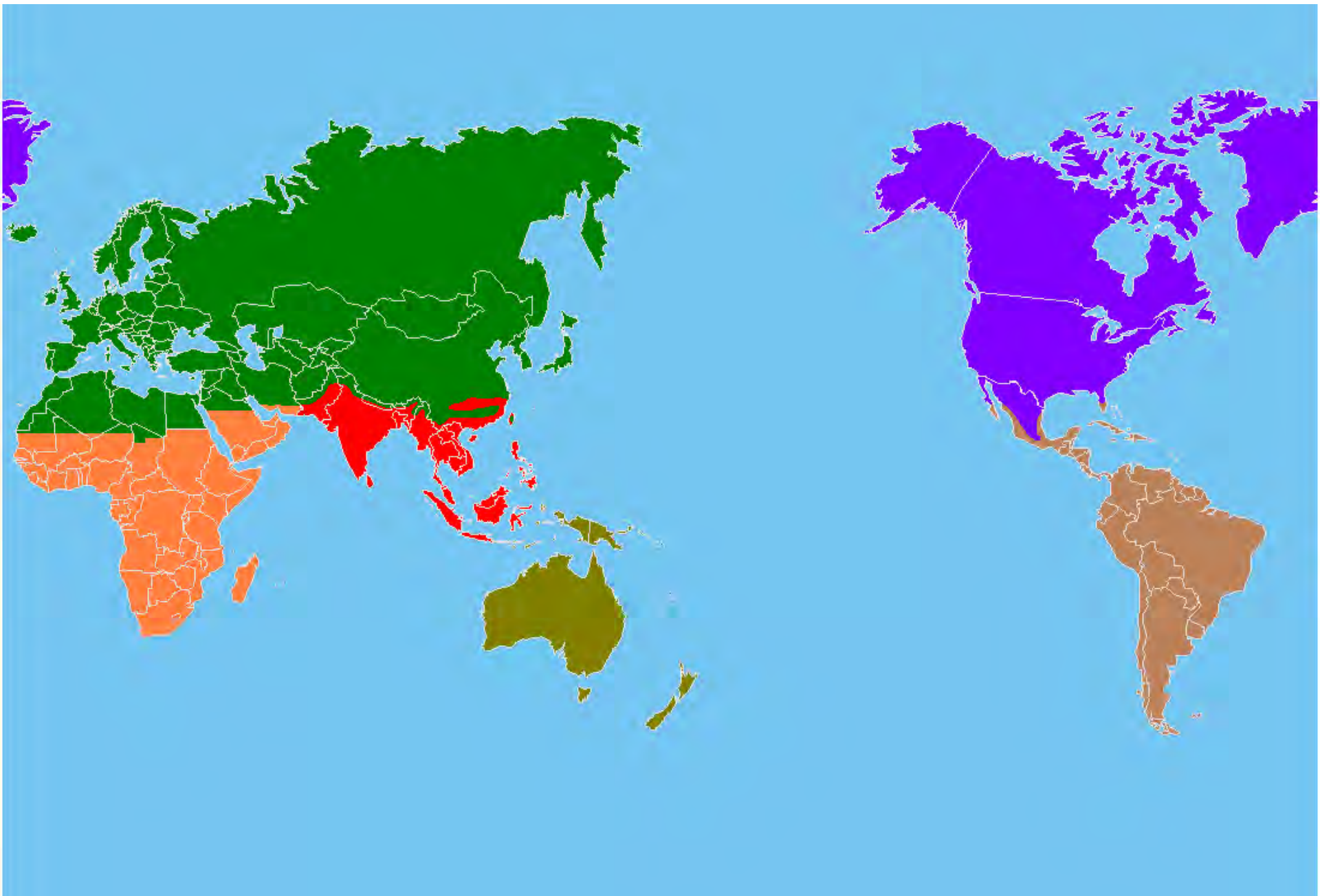


# Audubon Canyon Ranch









(c) *John Randall /The Nature Conservancy*



(c) *Dean William Taylor*

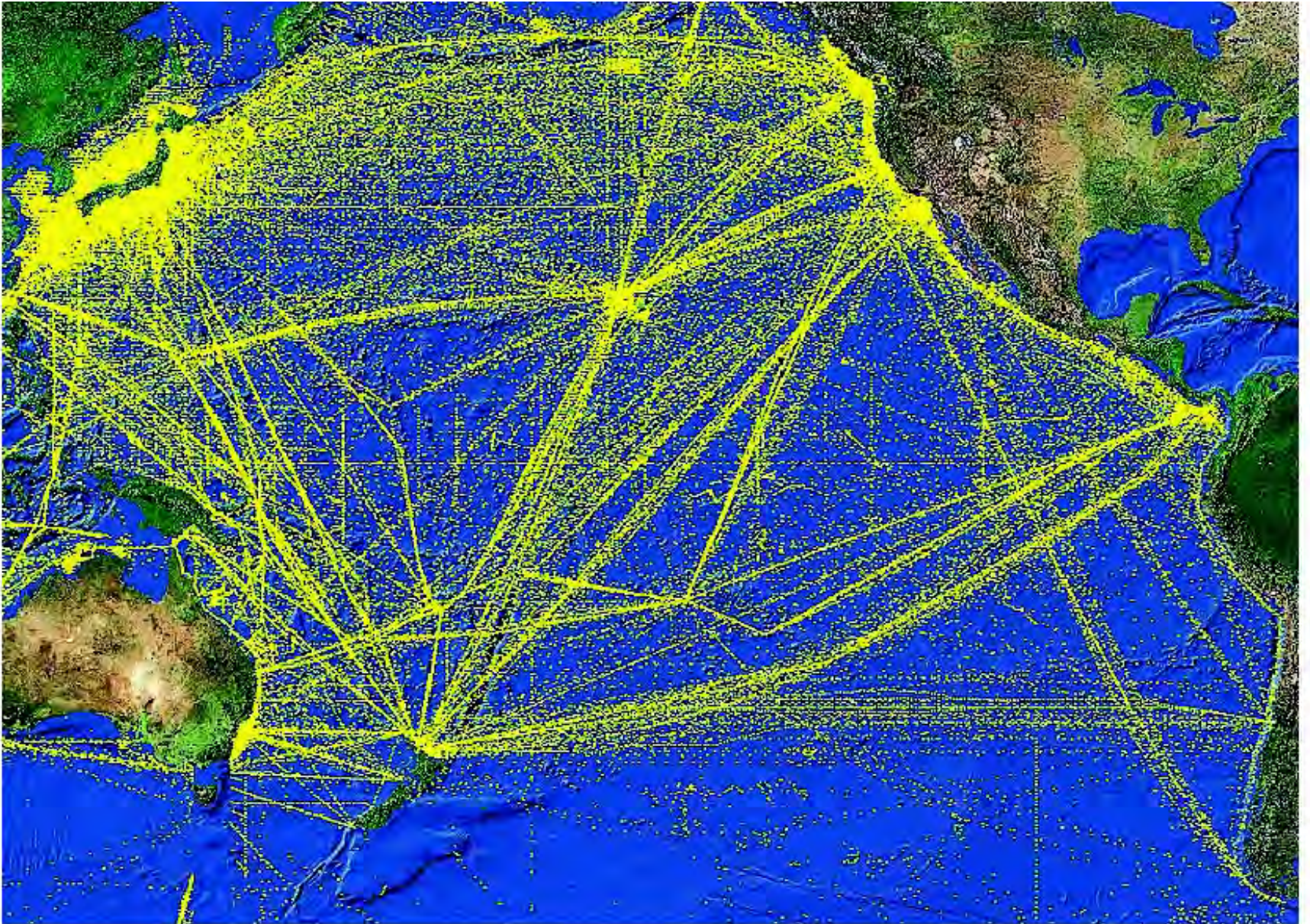


(c) *Charles Kenard*





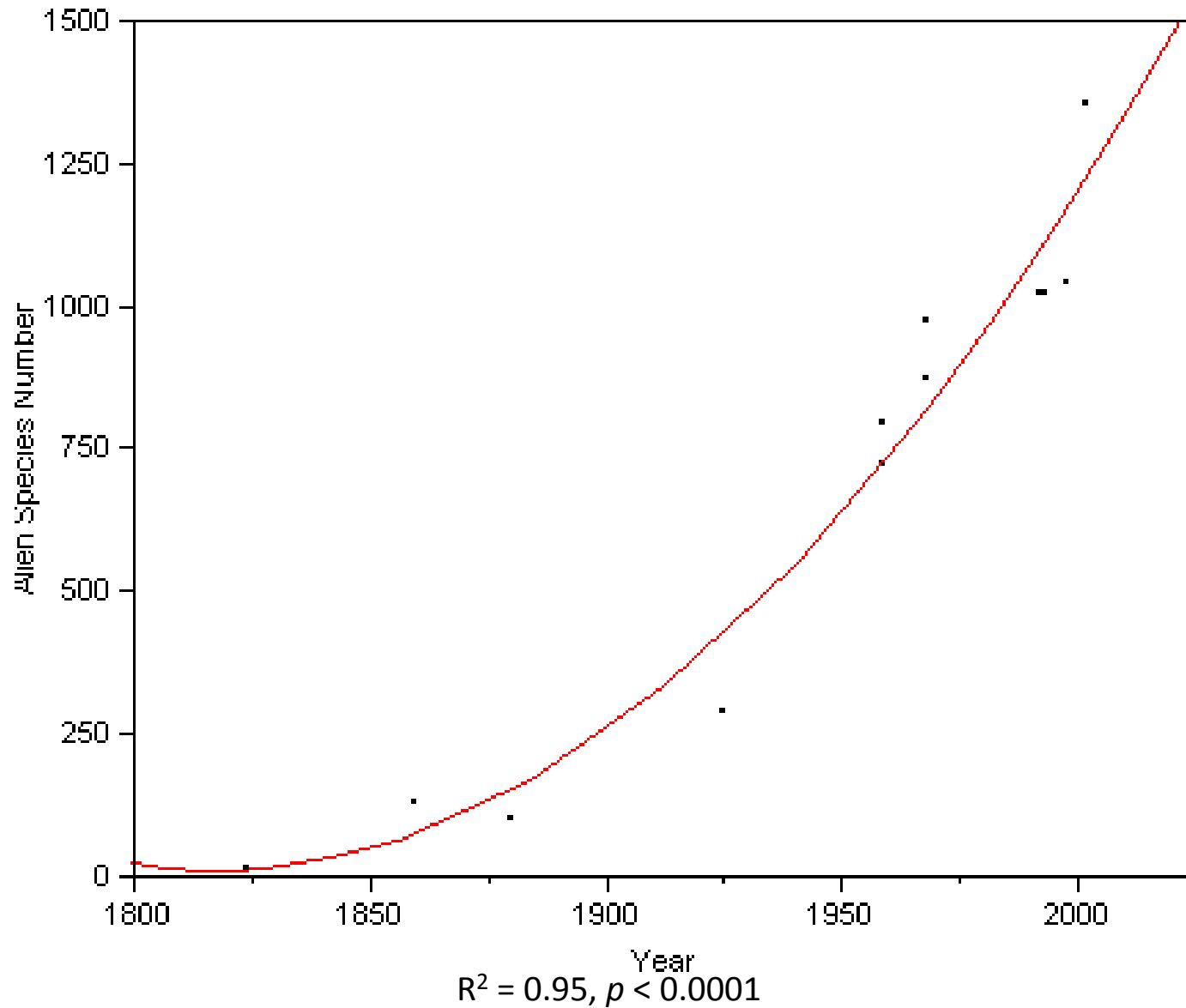
# Pacific Ocean Shipping Traffic







# Invasion Rate is Increasing.







C. F. Cheffins, Ltd. Southampton S.W. London.

SCALE 80 INCHES TO A MILE.





# California's Pest Prevention System (PPS)

- Exclusion
- Detection
- Eradication
- Management
- Public education



# Early Detection & Rapid Response

1. Determine what species will be bad tomorrow.
2. Find where they are today.
3. Prioritize infestations for eradication.
4. Eradicate the most important.
5. Show results, ask for more money.
6. Repeat until done.





# Outreach to Partners

## News and Events Around the West

### Invasive Weeds Beware -- BAEDN Is Here!

**"EARLY DETECTION" PROGRAM LAUNCHED TO MARK CALIFORNIA INVASIVE WEEDS AWARENESS WEEK**  
SF BAY AREA, CA JULY 20, 2009

## Bay Area Early Detection Network gets rolling

Daniel Gluesenkamp, Audubon Canyon Ranch

Whether we are protecting humans from swine flu or protecting rivers from *Aruno donax*, early detection and rapid response (EDRR) is the most cost-effective approach for coping with biological invasions. Indeed, the official California Invasive Weed Action Plan identifies EDRR as "the single most important element" for coping with invasions. EDRR is a "stitch-in-time" approach which proactively deals with infestations before they can grow into large and costly environmental threats. By acting early we efficiently prevent the environmental and economic damage caused by harmful invaders, we can use less intrusive control techniques, and we dramatically reduce the



planning and resources required to manage populations compared to when they have grown larger and become well established. The Bay Area Early Detection Network (BAEDN) is an exciting new initiative

that builds an EDRR system to serve the entire nine-county San Francisco Bay Area: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma counties. The group unites and coordinates the EDRR efforts of dozens of agencies, hundreds of professional land managers, and potentially thousands of volunteers. BAEDN partners work together to develop a scientifically rigorous list of the most harmful invasive plants, train each other in detection techniques, make detections and report them to the online website, and then prioritize individual patches so that the most dangerous outbreaks can be removed before they spread. It's simple, it's

...continued next page

have been harmed. It's simple, it's sensible,

Initiated in 2006 by Audubon Canyon Ranch, National Park Service's San Francisco, and Andrea Williams, U.S. Fish & Wildlife Service's San Francisco, BAEDN has built BAEDN's user-friendly Google map interface and pick-lists to make

In addition, BAEDN has hired Jennifer Steiner, California Department of Food and Agriculture's Wildlife funding, ACR's Partners in Conservation Foundation have also supported BAEDN. BAEDN's Gate National Recreation Area, and builds a

is have announced the launch of the Bay Area Early Detection Network (BAEDN) system designed as the first line of defense against biological invasions. The network includes the entire nine-county San Francisco Bay Area.

### BAEDN -- A New Strategy for Invasives

By Don Mayall, Chair, Rare Plants, Santa Clara County

In 1984, a member of our Chapter discovered an unknown tarweed-like plant along the railroad tracks near Alviso in Santa Clara County. It was not even in the Jepson Manual. It was identified as stinkwort, (*Dittrichia graveolens*), an invasive nonnative from Europe. Little attention was paid to it by land managers, although it had been a pest plant in Australia for the past 150 years. It subsequently spread rapidly in the county forming a dense monoculture in wetlands, vacant fields, and along trails. It is now a serious problem to the Santa Clara Valley Water District and the County Parks and Recreation Department.

In 2004 a grass was noted growing under the redwoods at Thornewood Open Space Preserve in San Mateo County. A perennial bunchgrass, it seemed a lot like native grasses, but was checked out and discovered to be slender false brome (*Brachypodium sylvaticum*), a nonnative from Europe that had already spread through 10,000 acres in Oregon. Because of quick work by the Open Space District and the County Department of Agriculture, this infestation is being brought under control before it spreads widely.

The moral of these stories is that if an invasive plant is detected, its potential to become invasive is recognized, and responsible authorities are notified early enough. widespread environmental damage and costly control programs can be avoided. The California Invasive Weed Action Plan identifies early detection and rapid response as the single most important element for coping with pest plant invasion.

A new effort, the Bay Area Early Detection Network (BAEDN), has just been launched in the nine-county area around San Francisco Bay. This project has received funding from several sources, including the National Fish and Wildlife Foundation, the US Fish and Wildlife Service and the California Department of Food and Agriculture. BAEDN provides a system for easily reporting sightings of invasive plants and getting them into the California Database.

project



The local community chapters are committing labor force and other in-kind service with the Agency purchasing the needed chain saws, herbicide and licensed applicators.

Long range plans by Ft. Defiance Agency are to re-establish the historic vegetation along the Little Pueblo Colorado Wash that includes transplanting native species as Cottonwood and Navajo Willow along the stream bed. Long-term benefits are the protection and preservation of native vegetation which will enhance the beauty and conservation of the wash by controlling the aggressive woody species.

SF Bay Area Early Detection Network Each of us has born witness to an ugly invasion, each of us carry the memory of a wild piece of California which has been lost to weedy invaders. We all have noticed a small outbreak of some harmful weed, and thought "someone should do something about that before it expands." Fortunately, there are tools which can save some of our remaining wild places.



Whether we are protecting humans from swine flu or protecting rivers from *Aruno donax*, early detection and rapid response (EDRR) is the most cost-effective approach for coping with biological invasions. EDRR is a "stitch-in-time" approach which proactively deals with infestations before they can grow into large and costly environmental threats. By acting early we efficiently prevent the environmental and economic damage caused by harmful invaders, and we can use less intrusive techniques, and we dramatically reduce the planning and resources required to control large, established invasive plant populations.

We have all recognized the importance of early detection and rapid response (EDRR), and EDRR is consistently identified as "the single most important element" in coping with biological invasions (2005 California State Noxious Weed Action Plan). Of course, we also know about the benefits of regular exercise; it can be difficult to do what we know is right. An effective EDRR program is a rare thing; it requires large-scale coordination of multiple actors, it requires systems for prioritizing targets and managing multi-year treatment, it means that some large and compelling invasions go without treatment so that we can address small but important outbreaks.

The Bay Area Early Detection Network (BAEDN) is an exciting new initiative that builds an EDRR system to serve the entire nine-county San Francisco Bay Area. The group unites and coordinates the EDRR efforts of dozens of agencies, hundreds of professional

# Staffing

With Bay Area Early Detection Network Coordinator

**ABOUT THE BAY AREA EARLY DETECTION NETWORK**  
 The Bay Area Early Detection Network (BAEDN) coordinates Early Detection and Eradication efforts with local managers and invasive species experts which includes training, monitoring, and proactive dealing with new outbreaks before they become widespread. The BAEDN coordinates Early Detection and Eradication efforts with local managers and invasive species experts which includes training, monitoring, and proactive dealing with new outbreaks before they become widespread. This “stitch-in-time” approach prevents new outbreaks from becoming widespread by these invaders; educates citizens regarding early detection; and provides information for the planning and resources required to control outbreaks.

**POSITION DESCRIPTION:**

The Coordinator will lead development and implementation of the Bay Area Early Detection Network (BAEDN), with input and direction from the Board of Directors.

Key components of the BAEDN include:

- Weed risk assessments of non-native plants
- Baseline point-maps showing known occurrence locations and herbarium records;
- Online occurrence reporting database, to coordinate reporting efforts;
- Early detection field protocols;
- Training for detection partners, to ensure consistent reporting;
- System which prioritizes occurrences for eradication efforts;
- Geographically explicit lists of eradication efforts;
- Formulae for distributing eradication funds;
- Maps and reports (including annual reports) to track progress and needs.

The Coordinator will develop some of these components, including updating existing databases, developing maps and reports, and coordinating with contractors. The Coordinator will facilitate the development of these components to ensure that they develop technically sound and effective. The Coordinator will coordinate with vendors to develop online reporting systems and coordinate with contractors to develop maps and reports.

The Coordinator will work to ensure widespread awareness of the BAEDN by communicating with potential partners through public outreach and contact to recruit observers. The Coordinator will produce and distribute materials to local groups (including CNPS, Master Gardeners, etc.) and will train partners to train others. Trainings will include public outreach and contact to recruit observers and report information.



The Coordinator will work with partners to prioritize occurrences for eradication, will take maps to regional Weed Management Councils, and will coordinate eradication targets, and will coordinate with partners. The Coordinator may also be involved in developing and participating in developing eradication plans. The Coordinator will coordinate with partners to prioritize occurrences for eradication, will take maps to regional Weed Management Councils, and will coordinate eradication targets, and will coordinate with partners. The Coordinator may also be involved in developing and participating in developing eradication plans.

The position is largely office-based. Office work may involve extended hours. Work location is flexible, but the Coordinator is expected and will be required to travel throughout the Bay Area region with a starting pay \$25-\$30/hour. Experience in weed management is considered.

Minimum qualifications:

- BA/BS or better in a related field
- Knowledge and experience in weed management
- Strong communication skills
- Proficiency with Microsoft Office
- Excellent organizational skills
- Project management skills
- Valid California Driver's License

Preferred qualifications:

- Familiarity with weed management in the Bay Area region
- 1-2 years experience in weed management
- Grant writing and fundraising experience
- Knowledge of plant biology

**TO APPLY:**

Submit cover letter and resume to [gluesenkamp@egret.org](mailto:gluesenkamp@egret.org). The resume should include experience addressing plant invasions across multiple localities. The position is ongoing and will continue until position is filled.

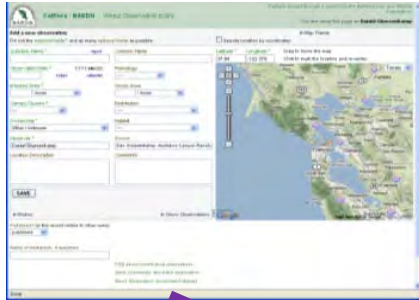
For additional information please contact [gluesenkamp@egret.org](mailto:gluesenkamp@egret.org)



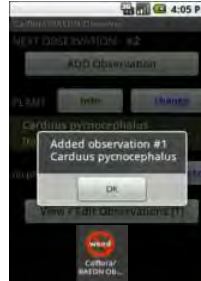


# Occurrence Reporting

Web Entry App



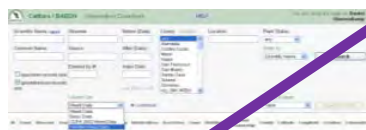
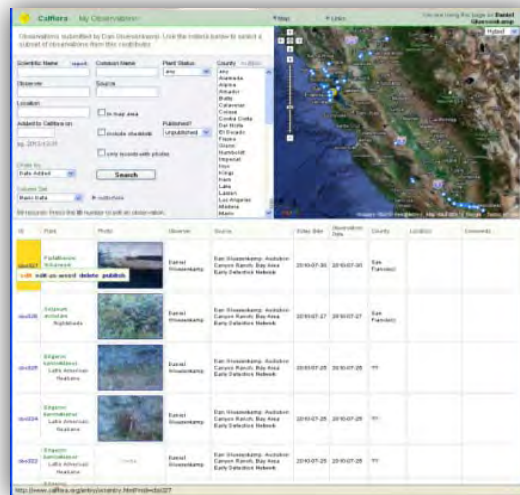
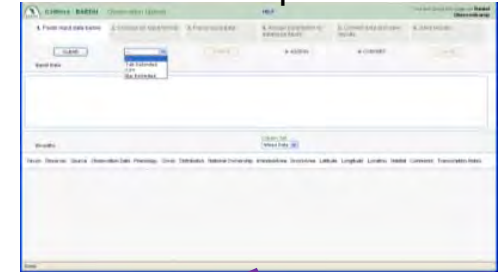
Phone



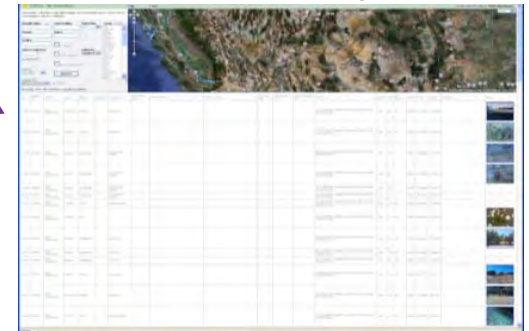
Geotagged Photo



Dataset Upload



MyWeedManager



# Prioritize Target Species

Bay Area Early Detection Network's Early Detection & Rapid Response Target Species

Species Name	Common Name	Family	U.S. Department of Agriculture Code	California Department of Food and Agriculture (CDFA) or Federal Noxious Weed Rating
<i>Acacia paradoxa</i>	kangaroo thorn	Fabaceae	ACPA0	CDFA B
<i>Acaena novae-zelandiae</i>	biddy-biddy	Rosaceae	ACN07	CDFA A
<i>Achnatherum triarctatum</i>	punagrass	Poaceae	ACBR5	CDFA A
<i>Aegilops triuncialis</i>	barbed goatgrass	Poaceae	AETR	CDFA B
<i>Ambrosia trifida</i>	giant or great ragweed	Asteraceae	AMTR	CDFA B
<i>Arauja sericifera</i>	bladderflower	Asclepiadaceae	ARSE6	CDFA B
<i>Arctotheca calendula</i>	Cape-weed (fertile only)	Asteraceae	ARCA45	CDFA A
<i>Arrhenatherum elatius</i>	tall oatgrass	Poaceae	AREL3	not rated
<i>Asparagus asparagoides</i>	African asparagus fern	Liliaceae	ASAS4	not rated
<i>Asphodelus fistulosus</i>	onionweed	Liliaceae	ASF2	federal noxious
<i>Brachypodium sylvaticum</i>	slender false brome	Poaceae	BR5Y	CDFA A
<i>Buddleia davidii</i>	orange eye butterflybush	Buddlejaceae	BUDIA2	not rated
<i>Cardaria pubescens</i>	globe-podded hoary cress	Brassicaceae	CAPU6	CDFA B
<i>Carduus acanthoides</i>	spiny plumeless thistle	Asteraceae	CAAC	CDFA A
<i>Carex pendula</i>	hanging sedge	Cyperaceae	CAPE45	not rated
<i>Carthamus leucocaulis</i>	whitestem dotif thistle	Asteraceae	CAL52	CDFA A
<i>Centaurea diffusa</i>	diffuse knapweed	Asteraceae	CED3	CDFA A
<i>Centaurea iberica</i>	Iberian knapweed	Asteraceae	CEIB	CDFA A
<i>Centaurea maculosa</i>	spotted knapweed	Asteraceae	CESTM	CDFA A
<i>Centaurea repens</i>	Russian knapweed	Asteraceae	ACRE3	CDFA B
<i>Centaurea sulphurea</i>	sulphur knapweed; Sicilian starthistle	Asteraceae	CESJ	CDFA B
<i>Cestrum parqui</i>	Chilean jessamine	Solanaceae	CEPAS	not rated
<i>Chondrilla juncea</i>	rush skeletonweed	Asteraceae	CHUJ	CDFA A
<i>Cirsium undulatum</i>	wavyleaf thistle	Asteraceae	CIUN	CDFA A
<i>Caprasia repens</i>	creeping mitrospiant	Rubiaceae	CORE4	not rated
<i>Crepina vulgaris</i>	common cuscuta	Asclepiadaceae	CRVJ2	CDFA A
<i>Cuscuta japonica</i>	Japanese dodder	Cuscutaceae	CUJA	CDFA A
<i>Cytisus striatus</i>	striated broom	Fabaceae	CYST7	not rated
<i>Danthonia pilosa</i>	hairy wallaby grass	Poaceae	RYP1	not rated
<i>Echium plantagineum</i>	salvation jane	Boraginaceae	ECPL	not rated
<i>Euphorbia esula</i>	leafy spurge	Euphorbiaceae	EUE5	CDFA A
<i>Euphorbia terracina</i>	Geraldton carnation weed	Euphorbiaceae	EUTE10	CDFA C
<i>Festuca pratensis</i>	meadow fescue	Poaceae	SCPR4	not rated
<i>Gaura drummondii</i>	Drummond's beeblissom	Onagraceae	GADR	CDFA B
<i>Gaura simuta</i>	wavyleaf beeblissom	Onagraceae	GAS1	CDFA B
<i>Gazania linearis</i>	treasureflower	Asteraceae	GALI4	not rated
<i>Gunnera tinctoria</i>	Chilean gunnera	Gunneraceae	GUT1	not rated
<i>Halimolobos calandrinia</i>	common salt tree	Fabaceae	HAHA8	CDFA A
<i>Halichrysum petiolare</i>	licorice plant	Asteraceae	HEPE8	not rated
<i>Hypericum canariense</i>	Canary Island St. Johnswort	Hypericaceae	HYCA11	CDFA B

List Updated: 9/23/2010

BAEDN EDRR Species list (continued)

Species Name	Common Name	Family	U.S. Department of Agriculture Code	California Department of Food and Agriculture (CDFA) or Federal Noxious Weed Rating
<i>Isatis tinctoria</i>	Dyer's woad	Brassicaceae	IST1	CDFA B
<i>Lepidium campestre</i>	field pepperweed	Brassicaceae	LECAS	not rated
<i>Ligustrum lucidum</i>	glossy privet	Oleaceae	LILU2	not rated
<i>Ligustrum ovalifolium</i>	California privet	Oleaceae	LIOV	not rated
<i>Limonium ramossissimum</i>	Algerian sea lavender	Plumbaginaceae	LIRA2	not rated
<i>Linaria genistifolia ssp. dalmatica</i>	Dalmatian toadflax	Scrophulariaceae	LIDAD	CDFA A
<i>Linaria vulgaris</i>	butter and eggs	Scrophulariaceae	LIVU2	not rated
<i>Lonicera japonica</i>	Japanese honeysuckle	Caprifoliaceae	LOJA	not rated
<i>Lythrum salicaria</i>	purple loosestrife	Lythraceae	LYSA2	CDFA B
<i>Nassella forficarum/manicata</i>	tropical needlegrass	Poaceae	NAMA7	not rated
<i>Nassella tenuissima</i>	finestem needlegrass	Poaceae	NATE3	CDFA C
<i>Onopordum acanthium</i>	Scotch thistle	Asteraceae	ONAC	CDFA A
<i>Onopordum illyricum</i>	illyrian thistle	Asteraceae	ONIL	CDFA A
<i>Paspalum urvillei</i>	Vasey's grass	Poaceae	PAUR2	not rated
<i>Polygonum aubertii</i>	Bukhara fleecflower	Polygonaceae	POBA3	not rated
<i>Polygonum cuspidatum</i>	Japanese knotweed	Polygonaceae	POCU6	CDFA B
<i>Polygonum polystachyum</i>	cultivated knotweed	Polygonaceae	POP05	CDFA B
<i>Pyraecantha coccinea</i>	scarlet firethorn	Rosaceae	PYCO2	not rated
<i>Pyraecantha crenulata</i>	Nepalese firethorn	Rosaceae	PYCR7	not rated
<i>Ricinus communis</i>	castorbean	Euphorbiaceae	RICO3	not rated
<i>Rubus laciniatus</i>	cutleaf blackberry	Rosaceae	RULA	not rated
<i>Rumex dentatus</i>	toothed dock	Polygonaceae	RUDE3	not rated
<i>Saccharum ravennae</i>	ravennagrass	Poaceae	SARA3	not rated
<i>Sapium sebiferum</i>	Chinese tallowtree	Euphorbiaceae	TRSE6	not rated
<i>Scolymus hispanicus</i>	goldenthistle	Asteraceae	SCH1	CDFA A
<i>Senecio jacobaea</i>	tansy ragwort; stinking willie	Asteraceae	SEJA	CDFA B
<i>Senna multi glandulosa</i>	glandular senna	Fabaceae	SEMU14	not rated
<i>Sesbania punicea</i>	red sesbania; rattlebox	Fabaceae	SEPU7	CDFA B
<i>Solanum carolinense</i>	Carolina horsenettle	Solanaceae	SOCA3	CDFA B
<i>Solanum rostratum</i>	buffalobur nightshade	Solanaceae	SORO	not rated
<i>Spartina alterniflora</i> (hybrids)	hybrid smooth cord grass	Poaceae	SPAL	CDFA B
<i>Spartina densiflora</i>	denseflower cordgrass	Poaceae	SPDE2	CDFA B
<i>Spartina patens</i>	saltmeadow cordgrass	Poaceae	SPPA	CDFA B

This Early Detection & Rapid Response (EDRR) Target Species List presents 73 plant species that are the current focus of detection and eradication efforts for Bay Area Early Detection Network (BAEDN) partners.

If you see an infestation of one of these species, please report it to the Calflora occurrence database, accessible through links from [BAEDN.org](http://BAEDN.org). If you are a BAEDN partner managing lands or treating invasive plants, we ask that you please report your treatment and monitoring efforts so that BAEDN can track progress toward eradication.

BAEDN is a collaborative initiative that coordinates early detection and rapid response to harmful invasive plants. This list was developed using a rigorous framework to identify those species which are still uncommon but are likely to be cause harm if allowed to spread. Accuracy of these models depends on good data, so please report your observations and suggestions to BAEDN staff at [coordinator@BAEDN.org](mailto:coordinator@BAEDN.org).

List Updated: 9/23/2010



# Occurrence Prioritization

Prioritizing Weed Populations for Eradication at a Regional Level:  
The California Department of Food and Agriculture's A-rated Weeds

By

GINA SKURKA DARIN  
B.S. (Eckerd College, St Petersburg, FL) 2004

THESIS

Submitted in partial satisfaction of the requirements for the degree of

MASTER OF SCIENCE

in

Horticulture and Agronomy

in the

OFFICE OF GRADUATE STUDIES

of the

UNIVERSITY OF CALIFORNIA

DAVIS

Approved:

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Joseph DiTomaso, chair

Richard Plant

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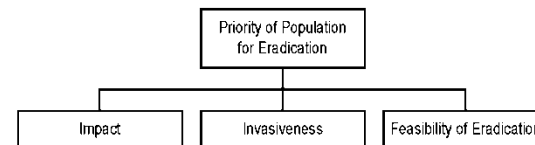
John Randall

Committee in Charge

December 1, 2008

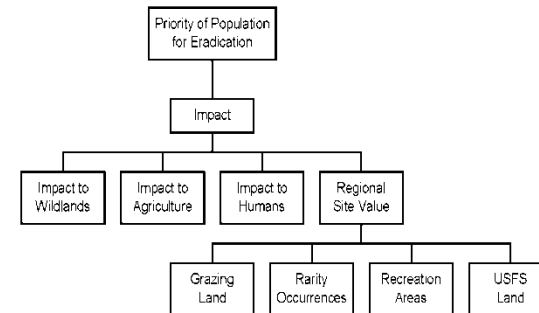
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## APPENDIX A- Hierarchy Used for Prioritization Analysis



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.

# Rapid Response

## Weed Management Areas

Local stakeholder groups using State funds and grants to pursue:

- (1) on-the-ground control,
- (2) education and awareness,
- (3) mapping and inventory of weeds in their area.



## Volunteers

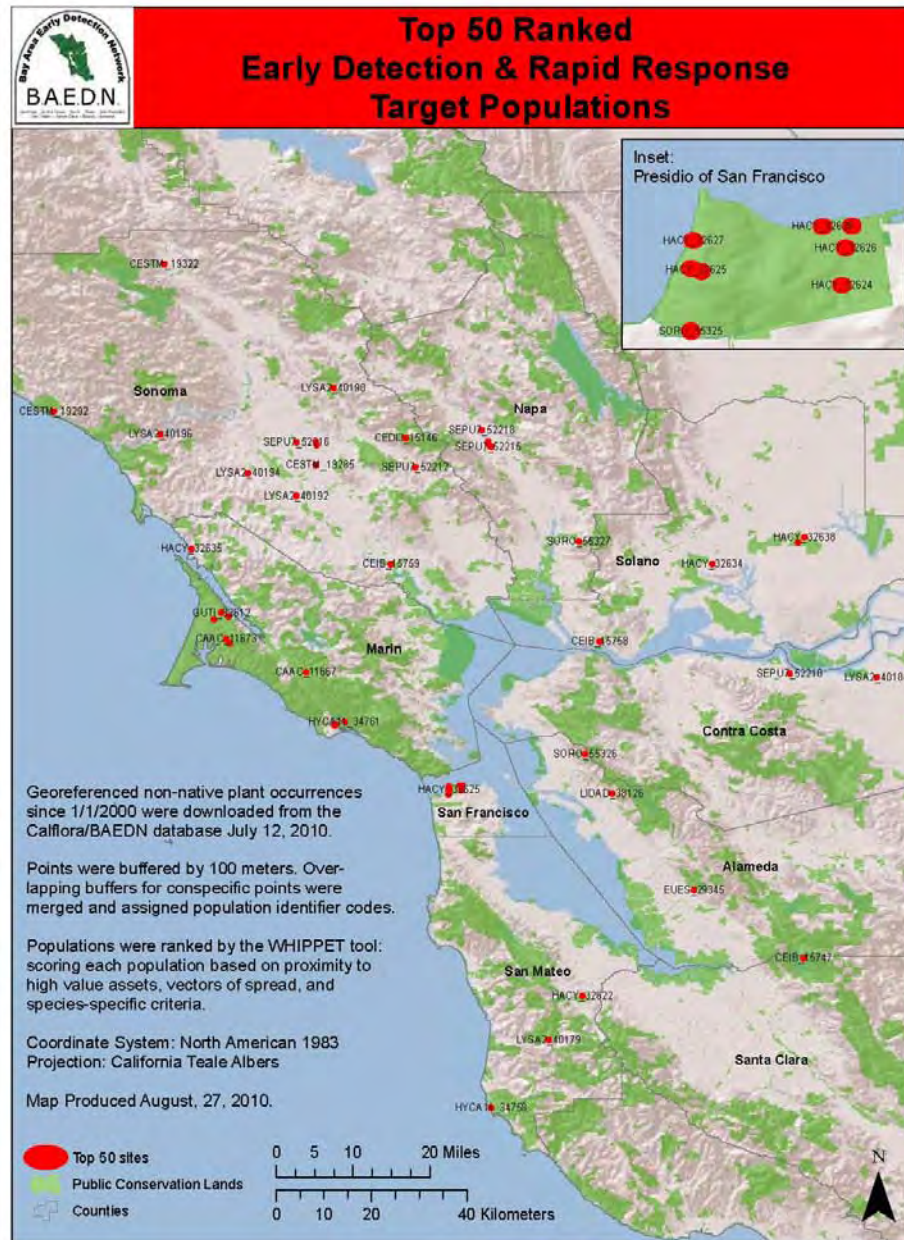


## BAEDN Partners





# Tracking Action, Outcome, Need



# Thank You Supporters









E.D.N

EARLY DETECTION NETWORKS

- Promote formation of multi-county Early Detection Networks (EDNs)
  - Encourage new collaborations
  - Provide start-up funding
  - Assist with fiscal sponsorship and organizational structure
- Provide essential infrastructure and services to support EDNs,
  - Database and technical infrastructure
  - Templates (organizational, operational, strategic)
  - Environmental compliance and regulatory permitting
- Facilitate sharing of tools, systems, and wisdom among EDNs,
  - Technological advances
  - Methodological advances
  - Protocols and trainings
  - Outreach materials and communication approaches
- Advocate for frameworks and support to make EDNs successful.
  - Legislative advocacy for funding
  - Legislative advocacy for regulatory frameworks
  - Grow public outreach, publicity, and grassroots involvement

# Planning









# For more, please go to:

## BAEDN.org

## CaliforniaEDN.org





conservation  
@gluesenkamp.com



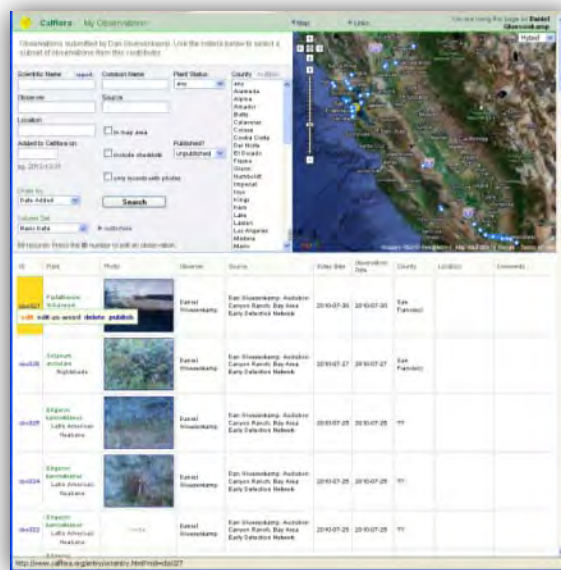
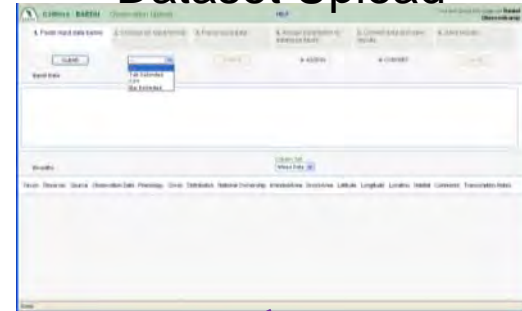
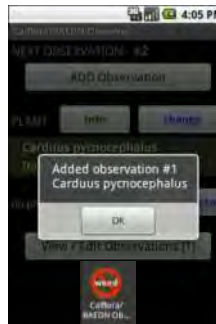
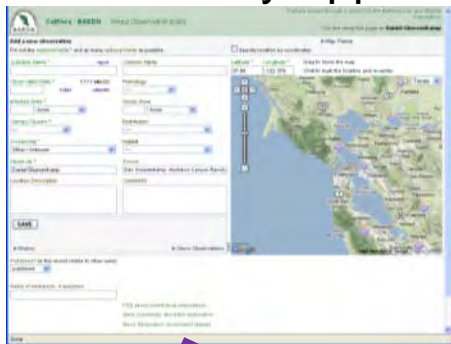


# Web Entry App

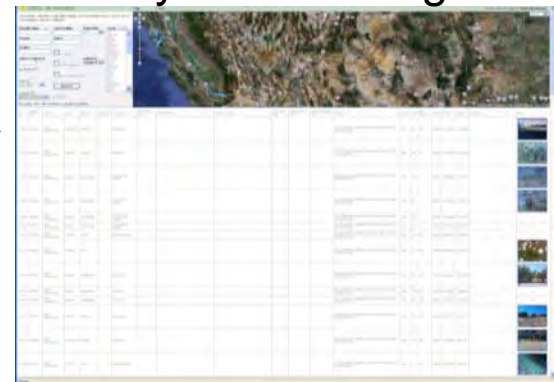
# Phone

# Geotagged Photo

# Dataset Upload



# MyWeedManager



## 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?





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





# 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

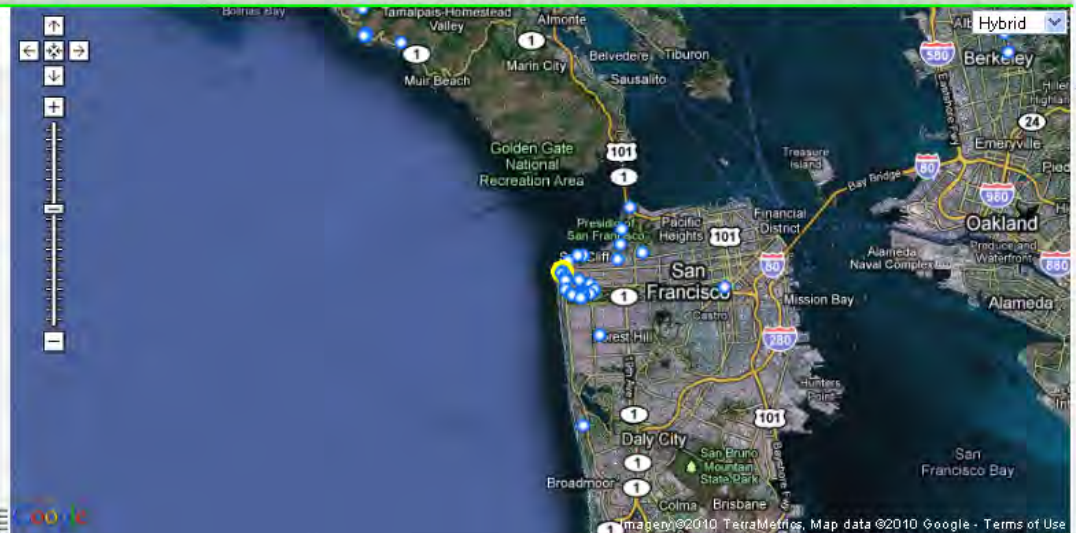
Date added to Calflora  Published?  any

include checklists  only records with photos

Order by  Date Added

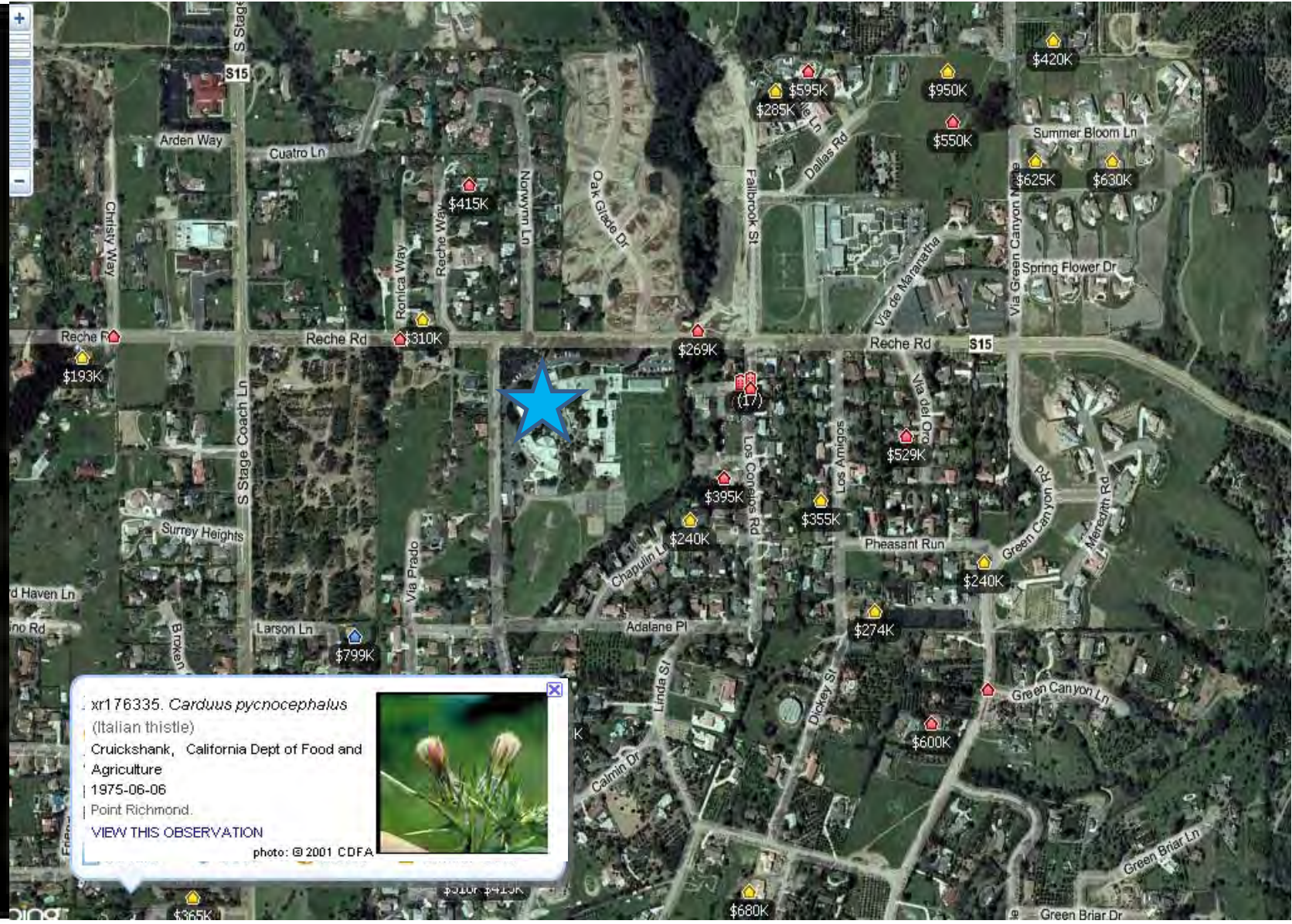
Column Set  Basic Data

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



ID	Plant	Photo	Observer	Source	Index Date	Observation Date	County	Location	Comments
<a href="#">cbo227</a> <a href="#">edit</a> <a href="#">delete</a> <a href="#">publish</a>	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	
<a href="#">cbo230</a>	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	
<a href="#">we157</a>	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!	
<a href="#">cbo202</a>	Marrubium vulgare White Horehound		Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-06-28	2010-06-28	Alameda		
<a href="#">cbo203</a>	Silybum marianum milk thistle		Daniel Gluesenkamp	Dan Gluesenkamp: Audubon Canyon Ranch; Bay Area Early Detection Network	2010-06-28	2010-06-28	Alameda		





xr176335. *Carduus pycnocephalus*  
 (Italian thistle)  
 Cruickshank, California Dept of Food and  
 Agriculture  
 1975-06-06  
 Point Richmond.  
[VIEW THIS OBSERVATION](#)



photo: © 2001 CDFA



# MyWeedManager

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  any County  any multiple

Observer  Source

Location   in map area

Added to Calflora on  Published?  published

eg. 2012-12-31  include checklists  only records with photos

Order by  Date Added

Column Set  Basic Data  customize

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		