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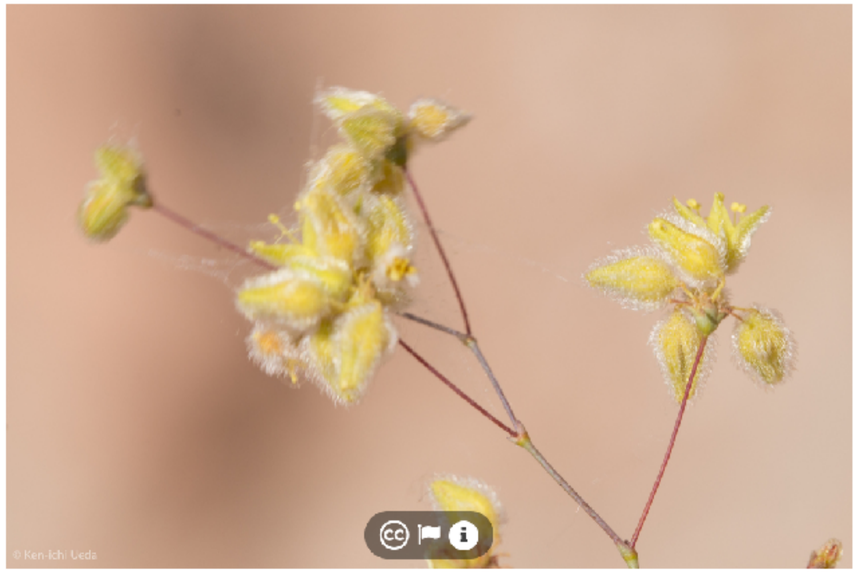
Explore Learn Record

Presented by Ken-ichi Ueda to the Cal-IPC 2019 Symposium, 16 Oct. 2019. Licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.

iNaturalist Explore Your Observations Community More 0 0

Eriogonum inflatum (Desert Trumpet) Needs ID

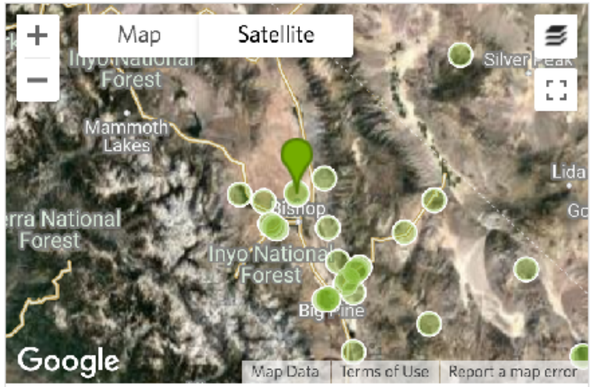
Edit



kueda
37,796 observations

Observed: Jul 11, 2019 · 1:30 PM PDT

Submitted: Aug 4, 2019 · 12:31 PM PDT



Fish Slough, Inyo County, CA, US... Show Details

Be the first to fave this observation!

Activity

kueda suggested an ID Improving 2mo

Genus *Eriogonum*
Wild Buckwheats
Compare

Community Taxon

Reject? • What's this?

Genus *Eriogonum* (Wild Buckwheats)
Cumulative IDs: 2 of 2

0 2/3rds 2

Activity

kueda suggested an ID Improving 2mo

Genus *Eriogonum*
Wild Buckwheats
Compare

jdmore suggested an ID Leading 2mo

Eriogonum inflatum
Desert Trumpet
Compare Agree

kueda commented 2mo

How are you ruling out E. clavatum here, Jim?

jdmore commented 2mo

Stems completely glabrous and eglandular, glaucous, bluish to grayish green. Versus stems usually glandular and hairy at least near base, bright green to yellow-green.

kueda commented 2mo

It's the "usually" parts of the key that throw me. I can't really see whether this is glandular or not.

jdmore commented 2mo

The level of detail in your second photo, zoomed in, was enough to satisfy me that the stem base was glabrous and glaucous, but that's just me. I am pretty sure the stem color difference is consistent between the two species.

Comment Suggest an Identification

Leave a comment

Be the first to fave this

Community Taxon

Genus *Eriogonum* (V
Cumulative IDs: 2 of 2
0

Agree

Annotations

Attribute	
Plant Phenology	
Sex	

Projects

Add to a Project

Tags (2)

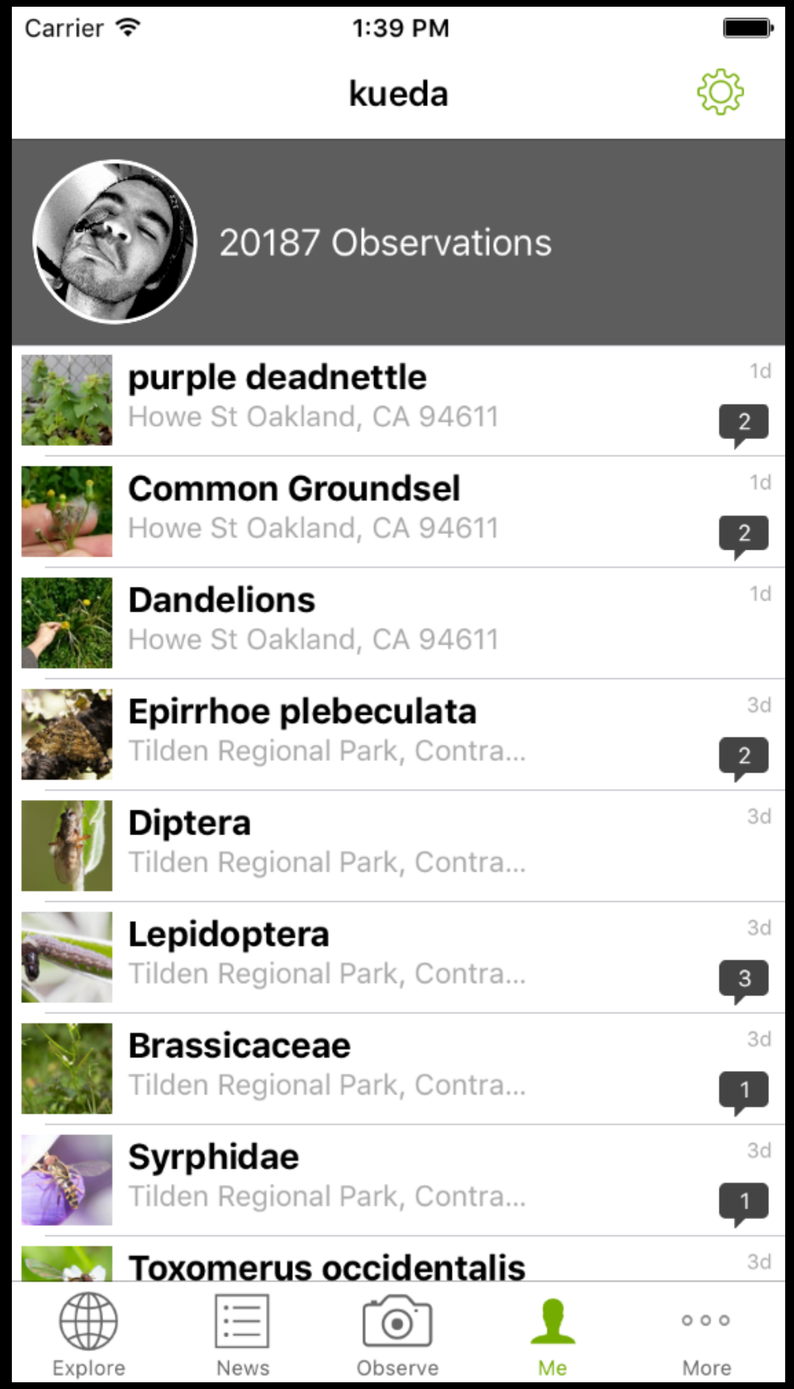
Observation Field

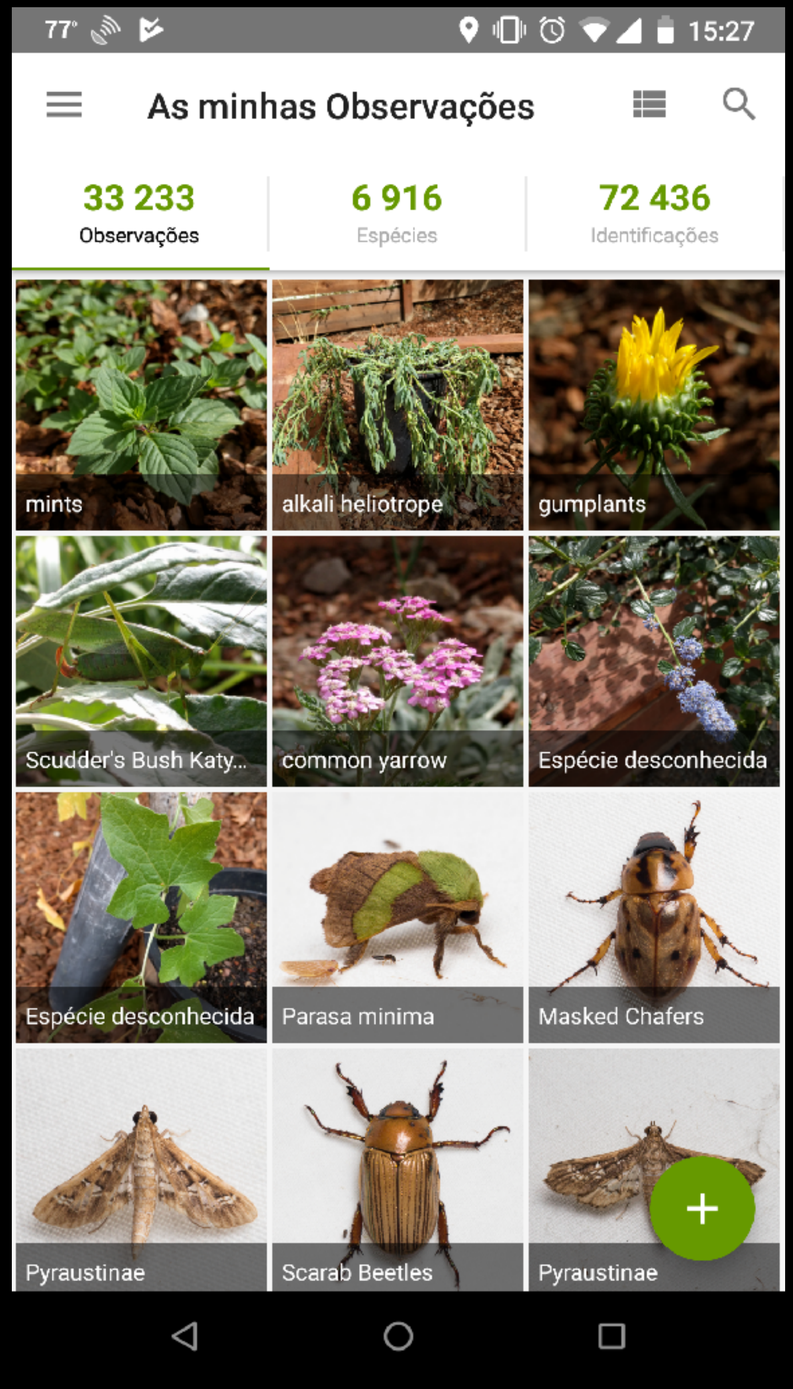
Choose a field

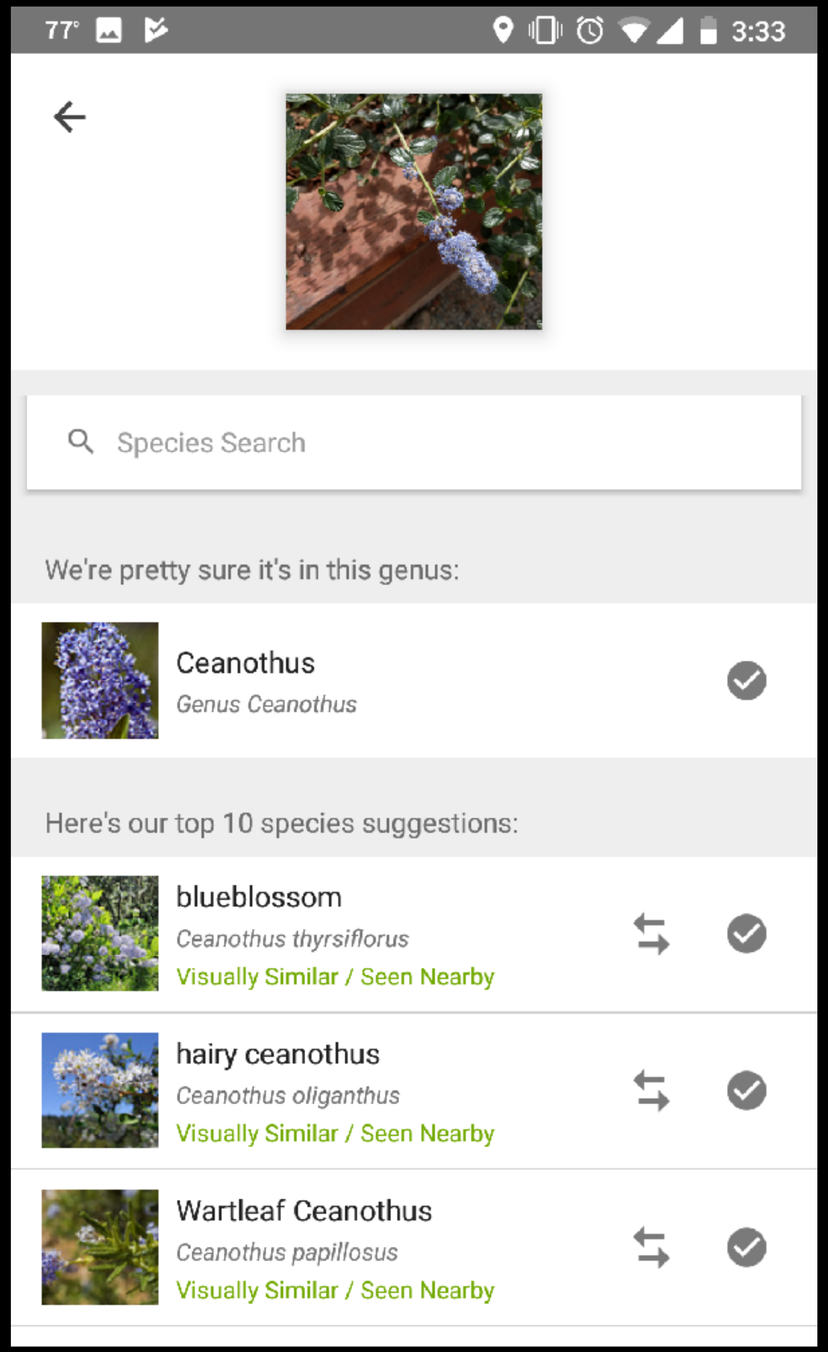
Top Identifiers of

Copyright Info

Observation By Ken-ichi U
PUBLICDOMAIN


Carrier
1:39 PM
kueda
20187 Observations
purple deadnettle
Howe St Oakland, CA 94611
1d
2
Common Groundsel
Howe St Oakland, CA 94611
1d
2
Dandelions
Howe St Oakland, CA 94611
1d
Epirrhoe plebeculata
Tilden Regional Park, Contra...
3d
2
Diptera
Tilden Regional Park, Contra...
3d
Lepidoptera
Tilden Regional Park, Contra...
3d
3
Brassicaceae
Tilden Regional Park, Contra...
3d
1
Syrphidae
Tilden Regional Park, Contra...
3d
1
Toxomerus occidentalis
3d
Explore
News
Observe
Me
More


77°
15:27
As minhas Observações
33 233
Observações
6 916
Espécies
72 436
Identificações
mints
alkali heliotrope
gumplants
Scudder's Bush Katy...
common yarrow
Espécie desconhecida
Espécie desconhecida
Parasa minima
Masked Chafers
Pyraustinae
Scarab Beetles
Pyraustinae


77°
3:33
Species Search
We're pretty sure it's in this genus:
Ceanothus
Genus Ceanothus
Here's our top 10 species suggestions:
blueblossom
Ceanothus thyrsiflorus
Visually Similar / Seen Nearby
hairy ceanothus
Ceanothus oliganthus
Visually Similar / Seen Nearby
Wartleaf Ceanothus
Ceanothus papillosus
Visually Similar / Seen Nearby

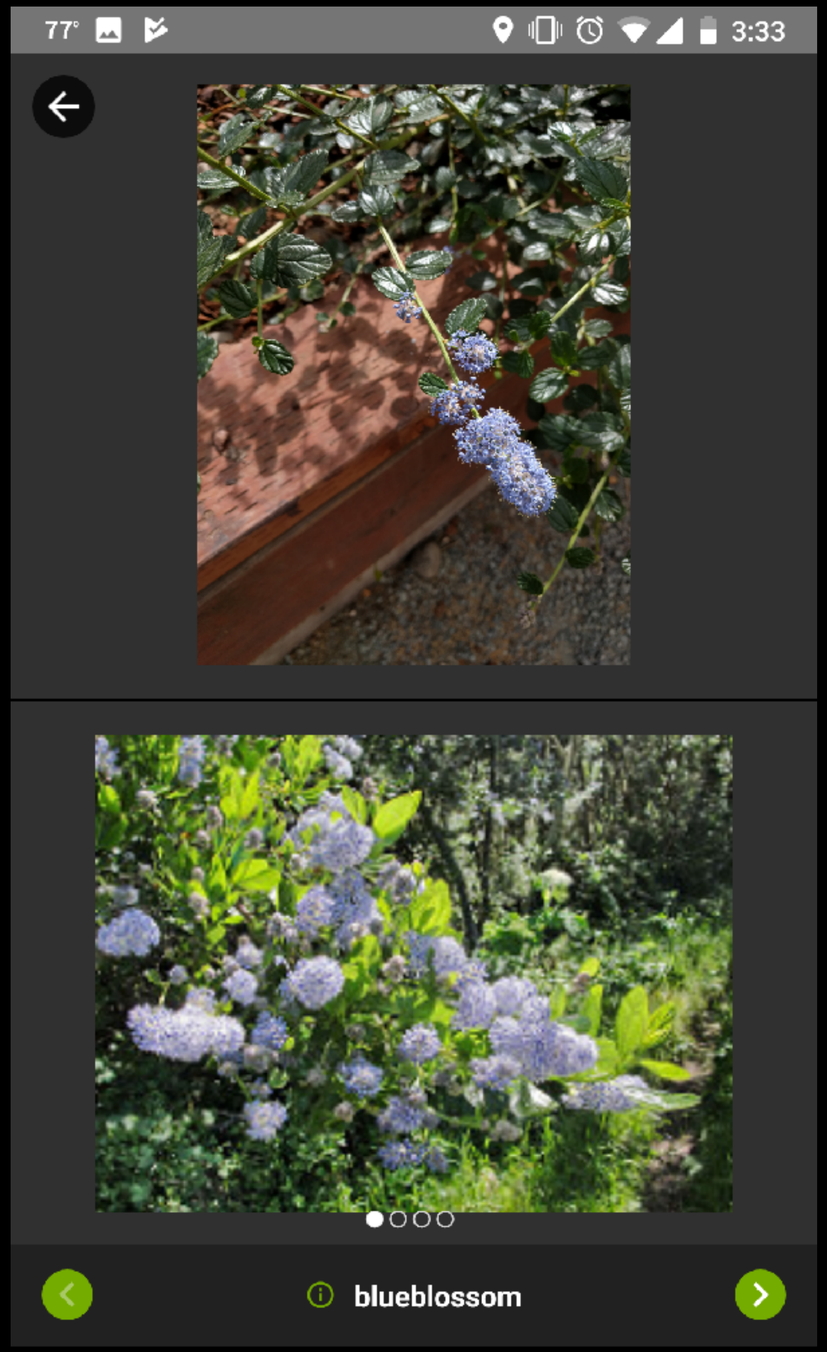
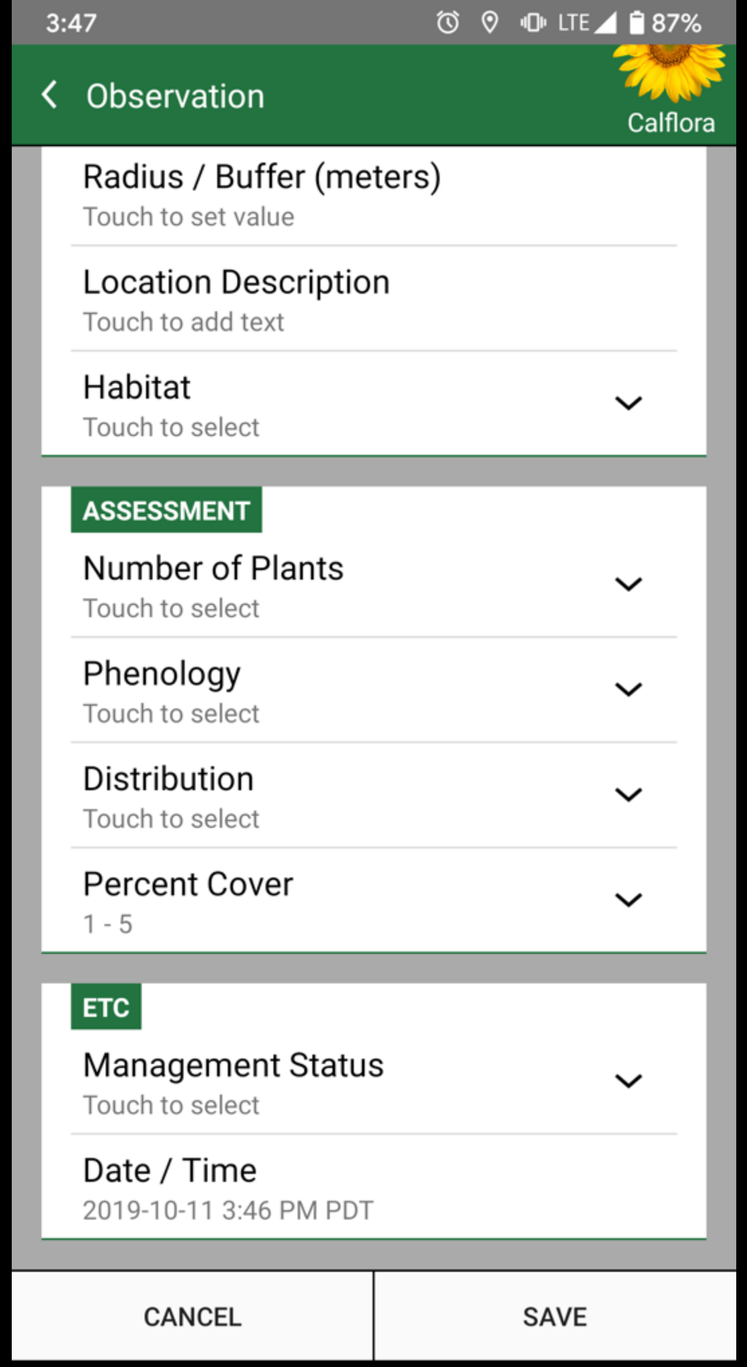
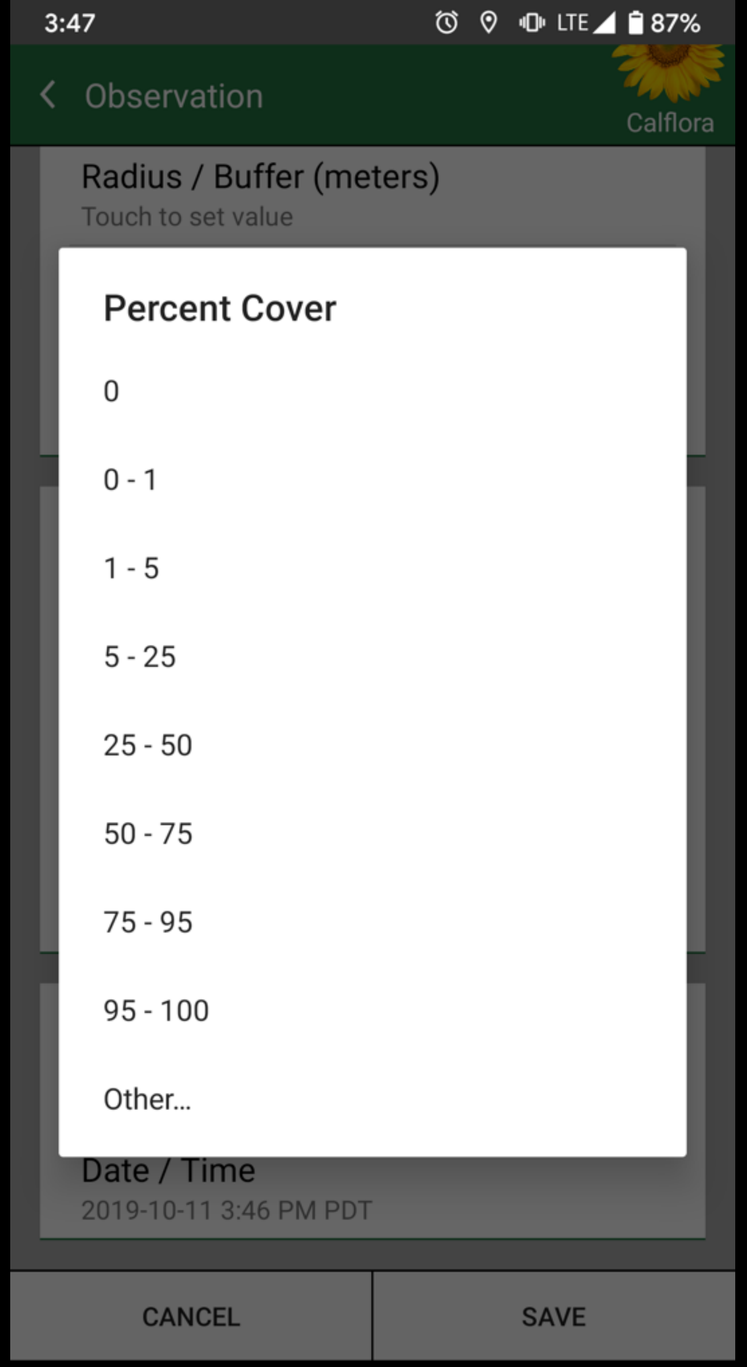

77°
3:33
blueblossom

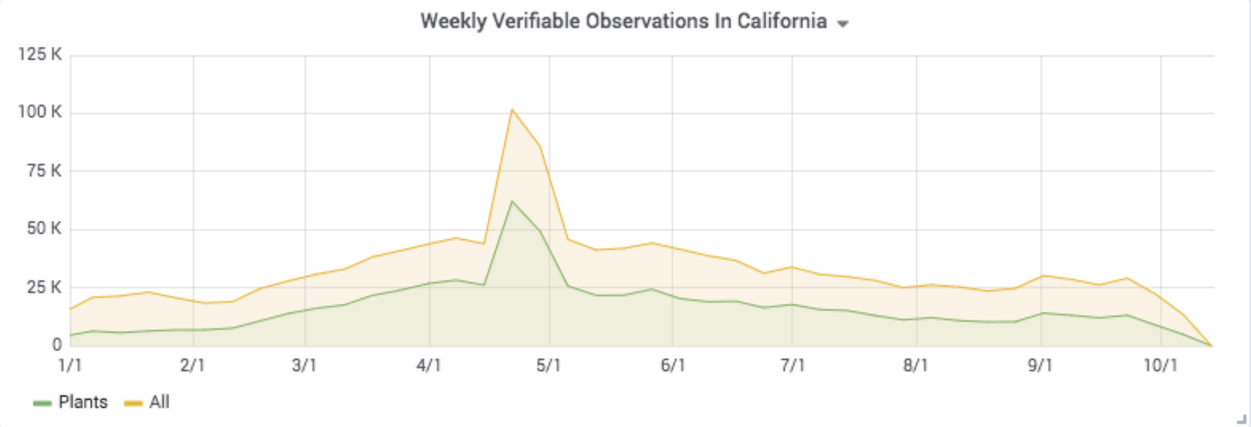
Photo: Einar Jørgen Haraldseid, some rights reserved (CC BY-NC), https://commons.wikimedia.org/wiki/File:Svalbard_seed_vault.jpg

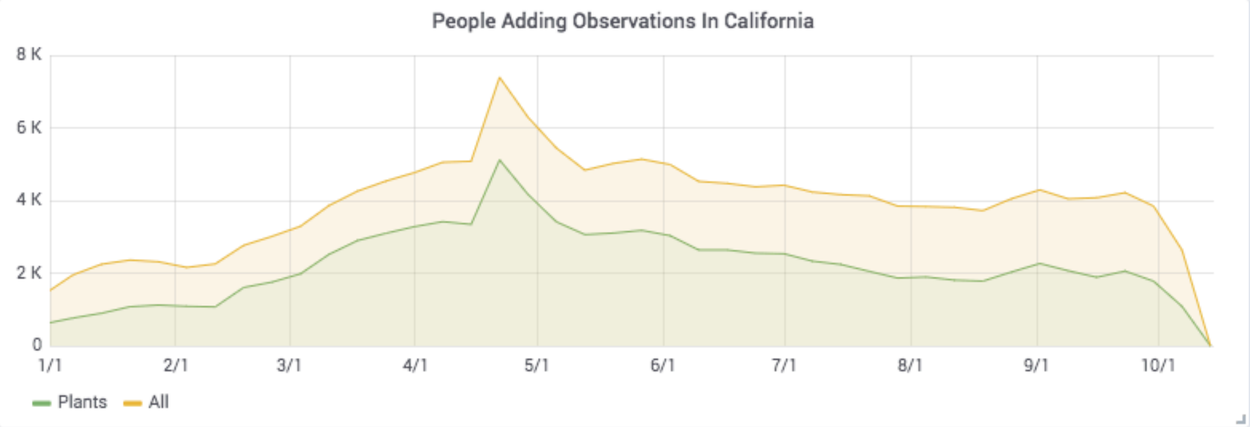
Photo: Einar Digistuffuk3, some rights reserved (CC BY-SA),https://commons.wikimedia.org/wiki/File:Chris_Gaffney_surveying_at_Stonehenge_December_2007.jpg

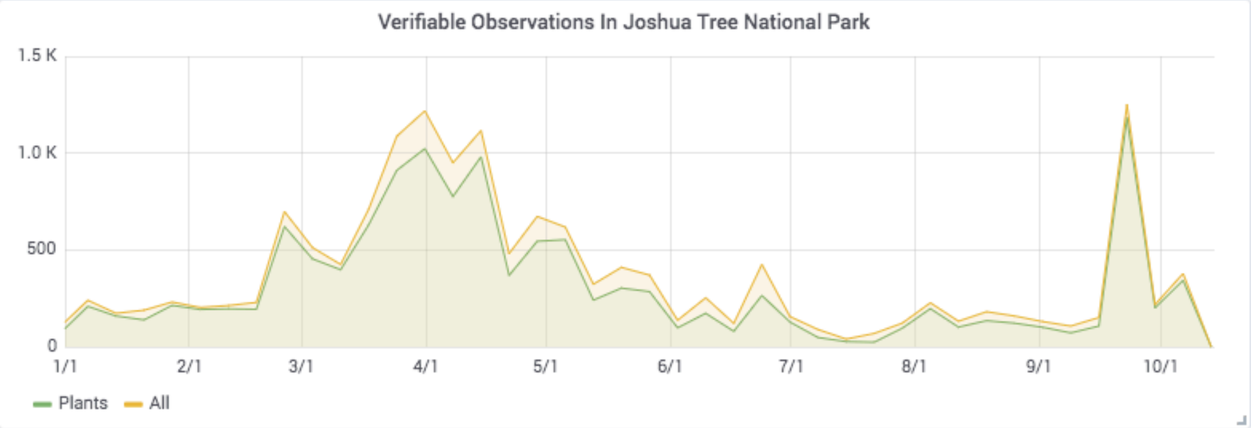
3:47
87%
Location
Calflora
Map: Map
Color Def..
Draw: Polygon
Append Point
Powell St
Marina Park Pathway
Google
20 m
CANCEL
OK

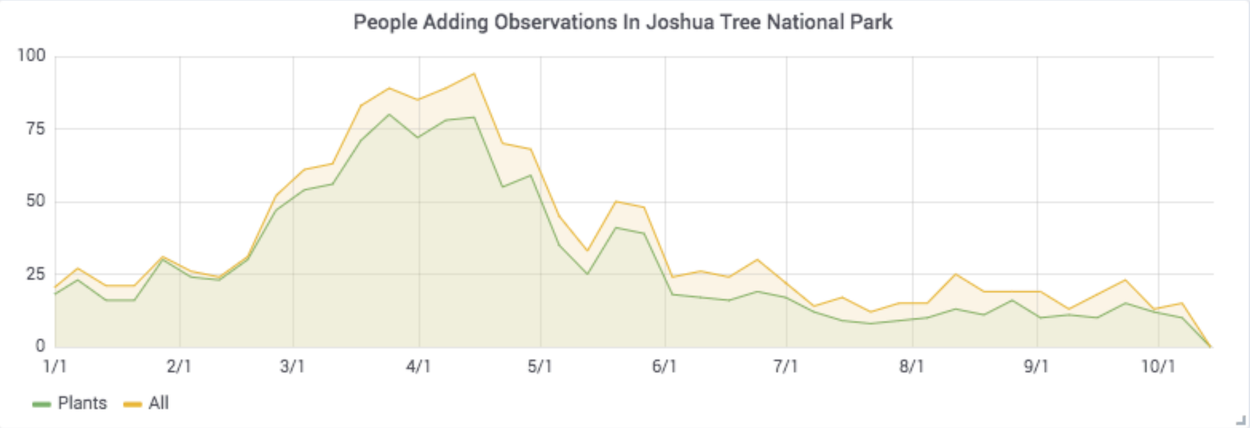

3:47
87%
Observation
Calflora
Radius / Buffer (meters)
Touch to set value
Location Description
Touch to add text
Habitat
Touch to select
ASSESSMENT
Number of Plants
Touch to select
Phenology
Touch to select
Distribution
Touch to select
Percent Cover
1 - 5
ETC
Management Status
Touch to select
Date / Time
2019-10-11 3:46 PM PDT
CANCEL
SAVE

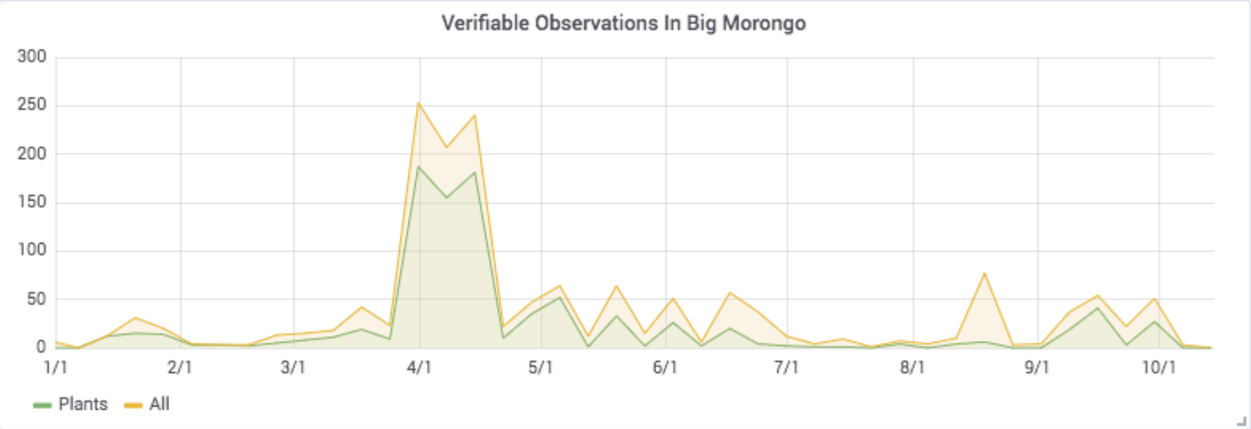

3:47
87%
Observation
Calflora
Radius / Buffer (meters)
Touch to set value
Percent Cover
0
0 - 1
1 - 5
5 - 25
25 - 50
50 - 75
75 - 95
95 - 100
Other...
Date / Time
2019-10-11 3:46 PM PDT
CANCEL
SAVE

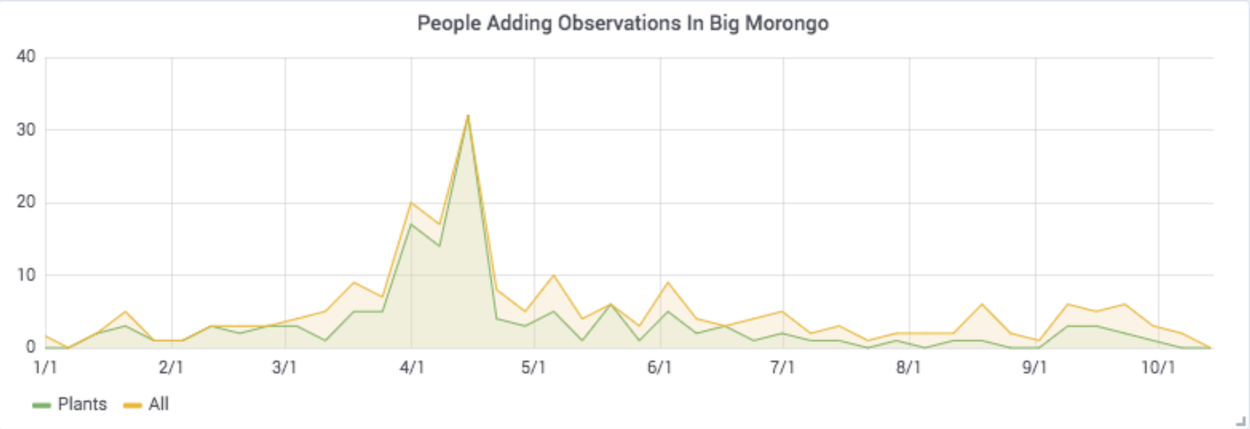

Weekly Verifiable Observations In California
125 K
100 K
75 K
50 K
25 K
0
1/1
2/1
3/1
4/1
5/1
6/1
7/1
8/1
9/1
10/1
Plants
All


People Adding Observations In California
8 K
6 K
4 K
2 K
0
1/1
2/1
3/1
4/1
5/1
6/1
7/1
8/1
9/1
10/1
Plants
All


Verifiable Observations In Joshua Tree National Park
1.5 K
1.0 K
500
0
1/1
2/1
3/1
4/1
5/1
6/1
7/1
8/1
9/1
10/1
Plants
All

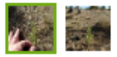

People Adding Observations In Joshua Tree National Park
100
75
50
25
0
1/1
2/1
3/1
4/1
5/1
6/1
7/1
8/1
9/1
10/1
Plants
All


Verifiable Observations In Big Morongo
300
250
200
150
100
50
0
1/1
2/1
3/1
4/1
5/1
6/1
7/1
8/1
9/1
10/1
Plants
All


People Adding Observations In Big Morongo
40
30
20
10
0
1/1
2/1
3/1
4/1
5/1
6/1
7/1
8/1
9/1
10/1
Plants
All

Stinkwort (*Dittrichia graveolens*) Research Grade

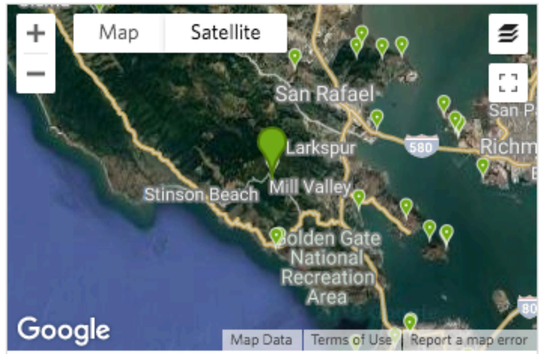
Follow



rockybajada
3,102 observations

Observed:
Oct 7, 2018 · 9:34 AM PDT

Submitted:
Oct 7, 2018 · 8:23 PM PDT



Marin Municipal Water District W... Show Details

carrieseltzer faved this observation

Description

Patch of ~30, in ruderal area next to fire road. Plants mostly stunted (~2 inches tall). All (I think) were pulled but not bagged or removed.

Activity

rockybajada suggested an ID · Improving · 1y

Stinkwort
Dittrichia graveolens
Compare · Agree

Community Taxon

What's this?

Stinkwort (*Dittrichia graveolens*)
Cumulative IDs: 2 of 2

0 — 2/3rds — 2

Agree · Compare · About

rockybajada suggested an ID · Improving · 1y

Stinkwort
Dittrichia graveolens
Compare · Agree

dgreenberger commented · 1y

Flowering plants of this species left on the ground will often mature to fruit. Best practice to bag and trash them

dgreenberger suggested an ID · 1y

Stinkwort
Dittrichia graveolens

rockybajada commented · 1y

Yeah, I know. I was in a hurry, I didn't have a bag on me, and I figured it was better to pull them, even if some did go to seed afterwards, then to let them continue to develop and ultimately produce even more seed.

All that said, in hindsight, it really wouldn't have been that difficult to carry out 30 small plants. I guess at least this area might be on people's radar for next year.

dgreenberger commented · 1y

I'm one of the people whose radar it is now on! Thanks for putting it up here.

rockybajada commented · 1y

NBD

dgreenberger commented · 1y

I went out there today to scan the area and removed a total of more than 200 individuals. I also bagged the ones previously pulled.

https://www.calflora.org/entry/poe.html#vrid=po104181

rockybajada commented · 1y

Oh wow, I didn't look for it on that upper road. I also didn't expect the population to be managed so quickly, or I would have just left standing the ones that I pulled. Nice work!

0 — 2/3rds

Agree · Compare · About

Annotations

Attribute	Value	Agree	Disagr
Plant Phenology	Select		
Sex	Select		

Projects (3)

Add to a Project

- Mount Tamalpais Biodiversity
- Biodiversity Survey on the Mt. Tamalpais Watershed
- Marin County Early Detection

Observation Fields

Choose a field

Top Identifiers of Stinkwort

Copyright Info and More

Observation © rockybajada · some rights reserved
(cc) BY-NC

This observation was created using:
iNaturalist Android App

Dittrichia graveolens is one of the highest priority weeds on Mt. Tam due to its affinity for nutrient-poor compacted soils and gravels – usually this restricts it to roadsides and such but that also describes serpentine soil, with rare plant implications… It's also mostly absent from the core of Mt. Tam despite its commonness along adjacent urban thoroughfares. Really a perfect early detection/rapid response target. I manage something like 2 dozen patches on the mountain but had not known of this one. Now it will get annual attention […] until it's eradicated.

And yes, you may infer by the Calflora link in the comments that iNat doesn't serve me well for the level of mapping resolution that my protocol requires. My org uses the professional-grade subscription side of Calflora for mapping, labor tracking, population history stacking, and treatment data.

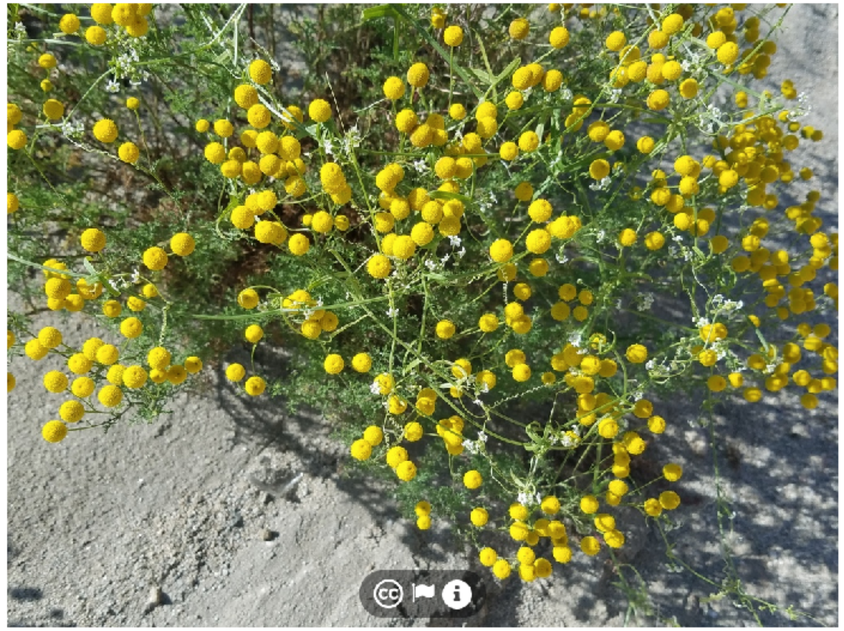
David Greenberger
Asst. Conservation Management Specialist, One Tam

https://bit.ly/2MhNwDj

iNaturalist | Explore | Your Observations | Community | More | 0 | 0

Stinknet (*Oncosiphon piluliferum*) Research Grade

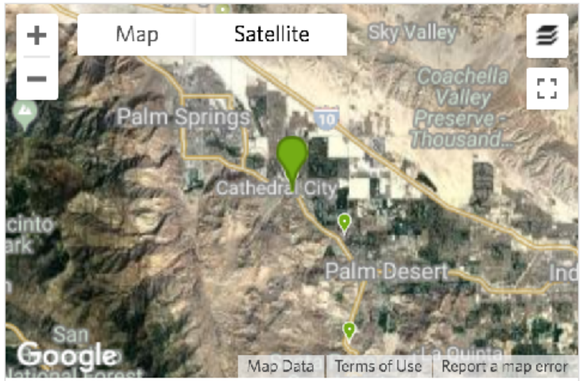
Follow



bamm321
4,679 observations

Observed:
Mar 25, 2018 · 9:40 AM PDT

Submitted:
Mar 28, 2018 · 7:02 AM PDT



Cathedral City, CA, USA Details

Be the first to fave this observation!

Activity

~~bamm321 suggested an ID~~ ID Withdrawn 2y

~~Flowering Plants~~
~~Subphylum Angiospermae~~

bamm321 suggested an ID Improving 2y

Community Taxon

What's this?

Stinknet (*Oncosiphon piluliferum*)
Cumulative IDs: 3 of 3

0 | 2/3rds | 3

Agree | Compare | About

~~bamm321 suggested an ID~~ ID Withdrawn 2y

~~Flowering Plants~~
~~Subphylum Angiospermae~~

bamm321 suggested an ID Improving 2y

Stinknet
Oncosiphon piluliferum

Compare | Agree

cwbarrows suggested an ID 2y

Stinknet
Oncosiphon piluliferum

cwbarrows commented 2y

Yikes! Was this the only plant?

bamm321 commented 2y

It had overgrown an 1/8 mile area I would say.

michaelmax suggested an ID 1y

Stinknet
Oncosiphon piluliferum

We have used inat observations on at least a few occasions as a rapid response tool to respond to Stinknet infestations in our area. I spotted the new observation on iNat and we removed the plants the next day. However, I think in most cases our hands are already full with the infestations we know about, so mapping new ones is not adding much value.

Colin Barrows
Conservation Coordinator, Friends of the Desert Mountains
Low Desert WMA iNat project admin

https://bit.ly/2MhNwDj

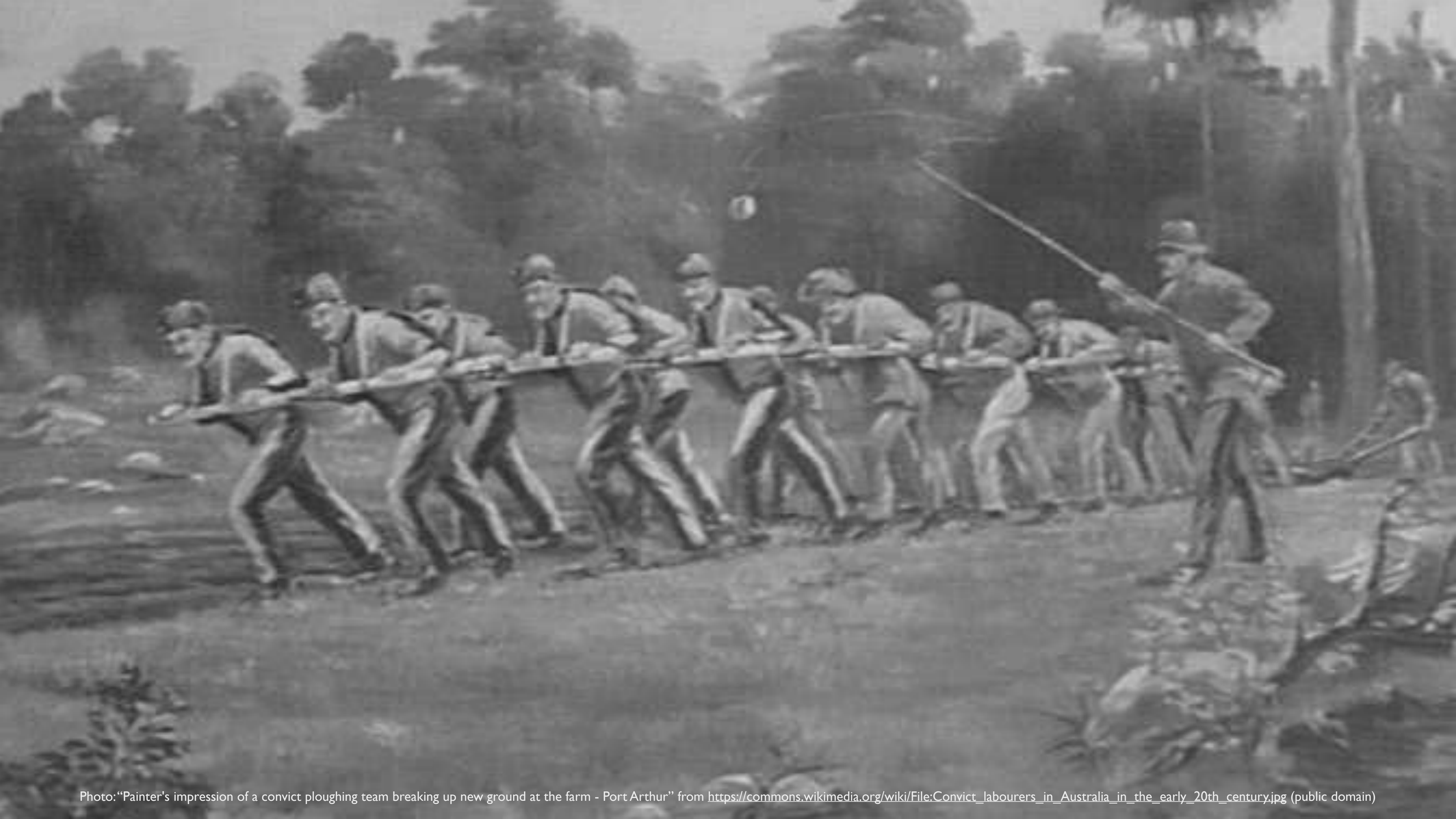


Photo: "Painter's impression of a convict ploughing team breaking up new ground at the farm - Port Arthur" from https://commons.wikimedia.org/wiki/File:Convict_labourers_in_Australia_in_the_early_20th_century.jpg (public domain)

@dgreenberger

Observations	9199
Species	3004
Identifications	3487

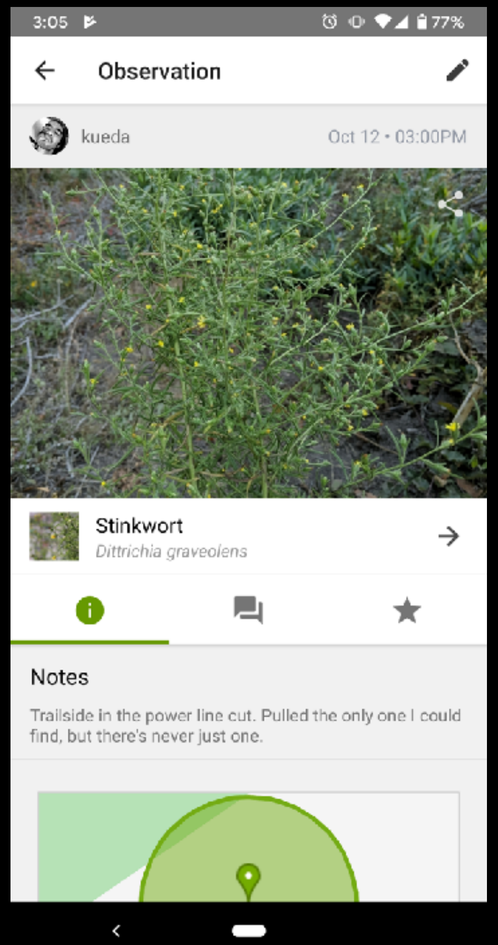
@cwbarrows

Observations	18850
Species	1252
Identifications	34777

```ruby
start_time = Time.now
new_count = 0
old_count = 0
delete_count = 0
count = 0

def system_call(cmd)
  puts "Running #{cmd}"
  system cmd
  puts
end

def request
  if @opts.request_key
    @key = @opts.request_key
    return
  end
  url = "https://#{@opts.username}:#{@opts.password}@api.gbif.org/v1/occurrence/download/request"
  json = {
    :creator => @opts.username,
    :notification_address => [@opts.notification_address],
    :predicate => {
      :type => "and",
      :predicates => [
        {
          :type => "equals",
          :key => "INSTITUTION_CODE",
          :value => "iNaturalist"
        }
      ]
    }
  }.to_json
  puts "Requesting #{url}" if @opts.debug
  puts "With JSON: #{json}" if @opts.debug
  @key = RestClient.post url, json, :content_type => :json, :accept => :json
  puts "Received key: #{@key}" if @opts[:debug]
end

def generating
  zip_url = "http://api.gbif.org/v0.9/occurrence/download/request/#{@key}.zip"
  status_url = "http://api.gbif.org/v0.9/occurrence/download/#{@key}"
  @num_checks ||= 0
  puts "Checking #{status_url}" if @opts.debug && @num_checks == 0
  @status = JSON.parse(RestClient.get(status_url))
  @num_checks += 1
  @status['status'] != 'SUCCEEDED'
end

def download
  url = "http://api.gbif.org/v0.9/occurrence/download/request/#{@key}.zip"
  filename = File.basename(url)
  @tmp_path = File.join(Dir::tmpdir, "#{File.basename(__FILE__, ".*")}-#{@key}")
  archive_path = "#{@tmp_path}/#{filename}"
  work_path = @tmp_path
  FileUtils.mkdir_p @tmp_path, :mode => 0755
  unless File.exists?("#{@tmp_path}/#{filename}")
    system_call "curl -o #{@tmp_path}/#{filename} #{url}"
  end
  system_call "unzip -d #{@tmp_path} #{@tmp_path}/#{filename}"
end
```

```ruby
request
puts "Waiting for archive to generate..."
while generating
  print '.'
  sleep 3
end
puts
puts "Downloading archive..."
download
obs_ids_to_index = []
# "\x00" is an unprintable character that I hope we can assume will never appear in the data. If it does, CSV will choke
CSV.foreach(File.join(@tmp_path, "occurrence.txt"), col_sep: "\t", headers: true, quote_char: "\x00") do |row|
  # puts "row['gbifID']: #{row['gbifID']}\t\trow['catalogNumber']: #{row['catalogNumber']}"
  observation_id = row['catalogNumber']
  gbif_id = row['gbifID']
  puts [
    gbif_id.to_s.ljust(20),
    "#{count} of #{@status['totalRecords']} (#{(count / @status['totalRecords'].to_f * 100).round(2)}%)".ljust(30),
    "#{((Time.now - start_time) / 60.0).round(2)} mins"
    ].join(' ')
  observation = Observation.find_by_id(observation_id)
  if observation.blank?
    puts "\tobservation #{observation_id} doesn't exist, skipping..."
    next
  end
  href = "http://www.gbif.org/occurrence/#{gbif_id}"
  existing = ObservationLink.where(observation_id: observation_id, href: href).first
  if existing
    existing.touch unless @opts[:debug]
    old_count += 1
    puts "\tobservation link already exists for observation #{observation_id}, skipping"
  else
    ol = ObservationLink.new(:observation => observation, :href => href, :href_name => "GBIF", :rel => "alternate")
    ol.save unless @opts[:debug]
    new_count += 1
    obs_ids_to_index << observation.id
    # puts "\tCreated #{ol}"
  end
  count += 1
end

delete_count = ObservationLink.where(href_name: "GBIF").where("updated_at < ?", start_time).count
links_to_delete_scope = ObservationLink.where("href_name = 'GBIF' AND updated_at < ?", start_time)
obs_ids_to_index += links_to_delete_scope.pluck(:observation_id)
links_to_delete_scope.delete_all unless @opts[:debug]

puts
puts "Re-indexing #{obs_ids_to_index.size} observations..."
obs_ids_to_index = obs_ids_to_index.compact.uniq
obs_ids_to_index.in_groups_of( 500 ) do |group|
  print '.'
  Observation.elastic_index!( ids: group.compact )
end
puts
puts
puts "#{new_count} created, #{old_count} updated, #{delete_count} deleted in #{Time.now - start_time} s. Request key: #{@key}"
```

$$$



Focus on early detection

not mapping

Focus on a few species

not ALL THE SPECIES

Build your community

Don’t wait for it to appear

Close the loop

dgreenberger commented 1y

I'm one of the people whose radar it is now on! Thanks for putting it up here.

rockybajada commented 1y

NBD

dgreenberger commented 1y

I went out there today to scan the area and removed a total of more than 200 individuals. I also bagged the ones previously pulled.

https://www.calflora.org/entry/poe.html#vrid=po104181

rockybajada commented 1y

Oh wow, I didn't look for it on that upper road. I also didn't expect the population to be managed so quickly, or I would have just left standing the ones that I pulled. Nice work!

HOW TO HELP

- Use it
- Tell someone about it
- Provide your expertise
- Be both expert AND civilized

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Open Source

https://github.com/inaturalist