GETTING NEVADA ON THE NATIONAL MAP

Using EDDMaps to map invasive plants



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WHAT I WILL COVER

- WHY MAP?
- STATEWIDE MAPPING CHALLENGES
- EDDMAPS
 - SMART PHONE APP
 - ONLINE REPORTING
 - DISTRIBUTION MAPS
 - EMAIL ALERTS
 - SHARING DATA
- FUTURE NDA STATEWIDE MAPPING

WHY MAP?

COLLECTING DATA AND MAKING MAPS ALLOWS US TO:

- Show where and how large the problem is
- Monitor treatment success
- Track infestation reduction and/or spread
- Create a log that anyone can understand without talking to you

"A picture is worth a thousand words but a map is worth a thousand pictures" - unknown

STATEWIDE MAPPING CHALLENGES

- Lack of people collecting and sharing data
- Wide variety of data collection techniques and data formats
- Lack of NDA staff and time to manipulate data and update existing data into useful maps

EDDMAPS

EARLY DETECTION & DISTRIBUTION MAPPING SYSTEM

WHAT IS IT?

The answer to our challenges!

- Online mapping of invasive plant distribution
- One database for both local and national data
- Early Detection and Rapid Response tool
- Developed by the University of Georgia Center for Invasive Species and Ecosystem Health in 2005

www.eddmaps.org

EDDMAPS

EARLY DETECTION & DISTRIBUTION MAPPING SYSTEM

USEFUL CAPABILITIES

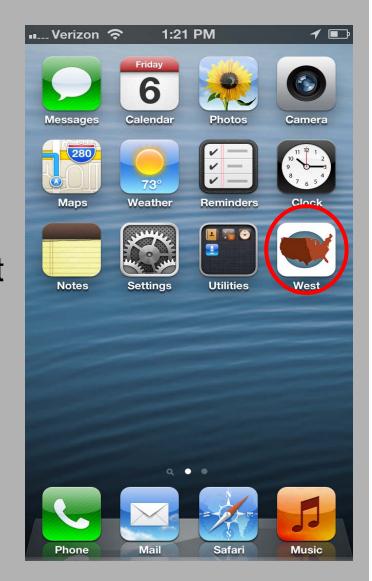
- Look up information on invasive plant species
- See the current distribution of invasive plants
- Download data in a variety of formats
- Report a sighting online
- Create an email alert for reports made near you
- Collect data using smart phone apps

www.eddmaps.org

"There's an APP for that!"

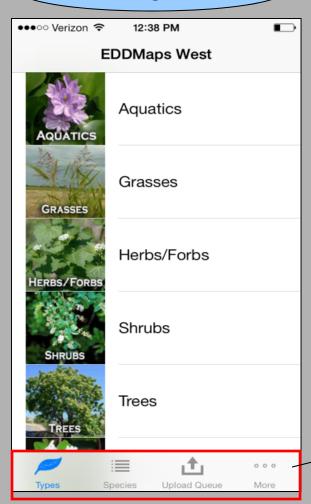
1. Search Apps for EddMapsWest

- * FREE to download
- * Fast & Easy data collection without GPS unit, cell service, or internet connection
- * Available for iphone, ipad, and android



MAIN SCREEN

IPHONE

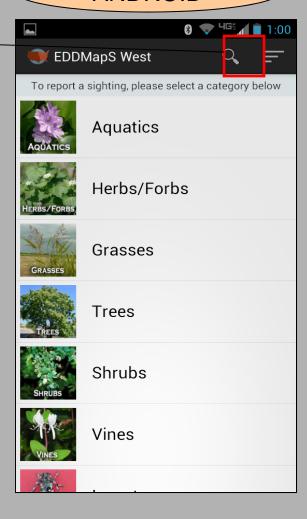


Ability to search ←

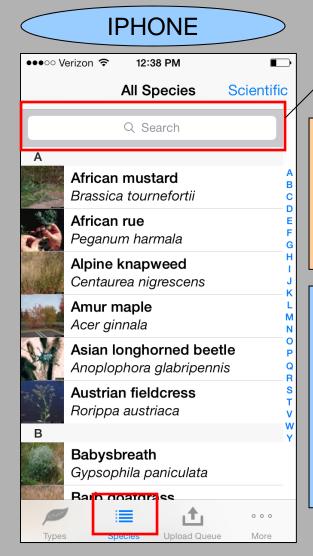
Designed to be used to document all invasive plants across the western United States

Options to navigate

ANDROID



SPECIES LIST



Type in common or scientific name

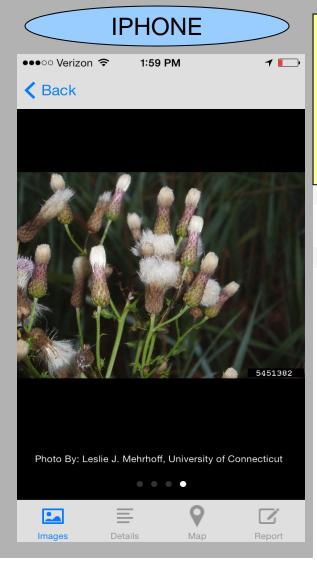
For Android you cannot see a species list until you select a category from the main screen

For iphone you can see
a species list by
clicking species tool or
after selecting a
category from the main
screen

ANDROID



SPECIES INFORMATION



Under iphone details icon and android info icon is text that describes leaves, flowers, seeds & fruit, habitat, ect.

Common Name

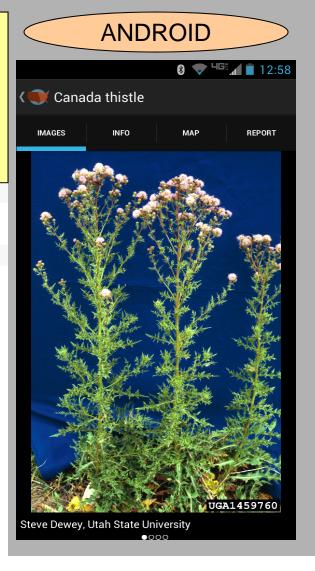
Canada thistle

Details

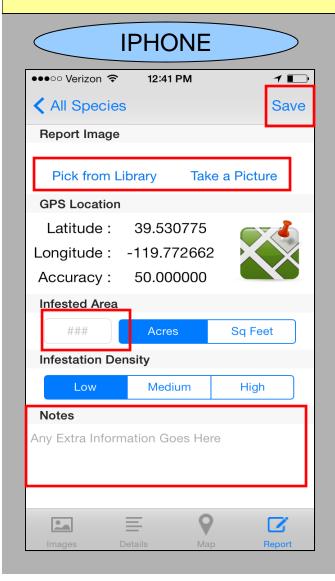
General Description

Cirsium arvense, Canada Thistle is an erect herb with prickly foliage and flower heads of purple, pink, or white disc flowerlets, 1–7 ft. (0.3-2.1 m) tall. For most species, leaf bases extend nearly all the way down stems between leaves (decurrent) as spiny "wings." Family: Asteraceae (aster, composite). Creeping roots (rhizomes) often result in dense clumps of stems.

Leaves



SPECIES REPORTING

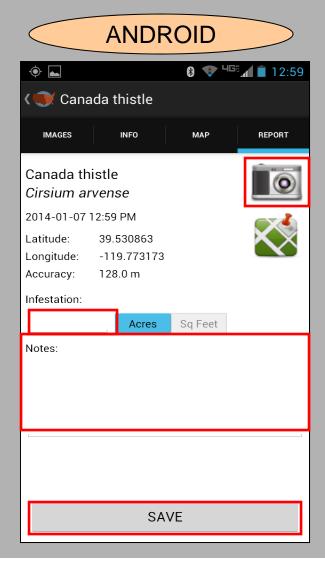


Attach a picture

size
Add in additional
useful information
(treated?, phenology,
near obvious vector for
spread, ect.)

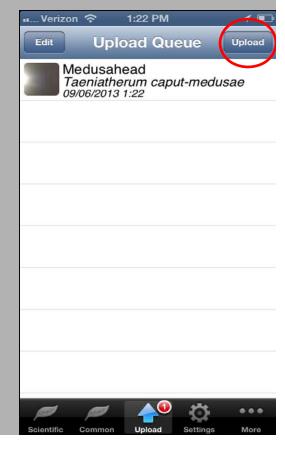
Add in infestation

Hit Save to Submit



- Once a report is saved it will be submitted into EDDMaps if you have cell service
- If you do not have cell service it is stored in your queue until you have service and decide to upload all reports

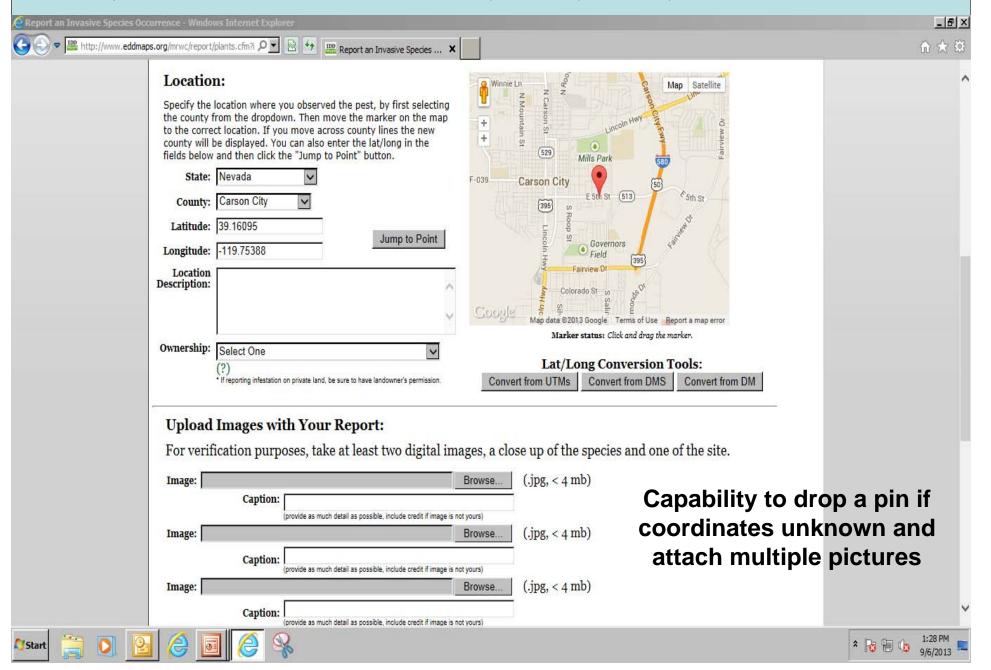
ALL REPORTS
CREATE AN
AUTOMATIC EMAIL
NOTIFICATION TO
NDA NOXIOUS
WEED PROGRAM
AND VERIFIERS IN
THAT AREA



EDDMAPS ONLINE

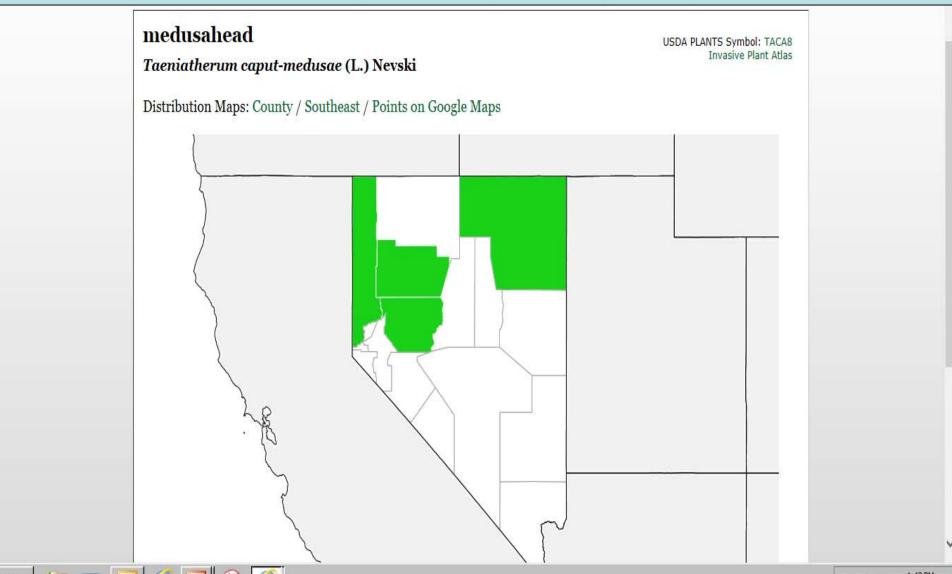


EDDMAPS ONLINE REPORTING



EDDMAPS DISTRIBUTION MAPS

Presence/Absence by County

















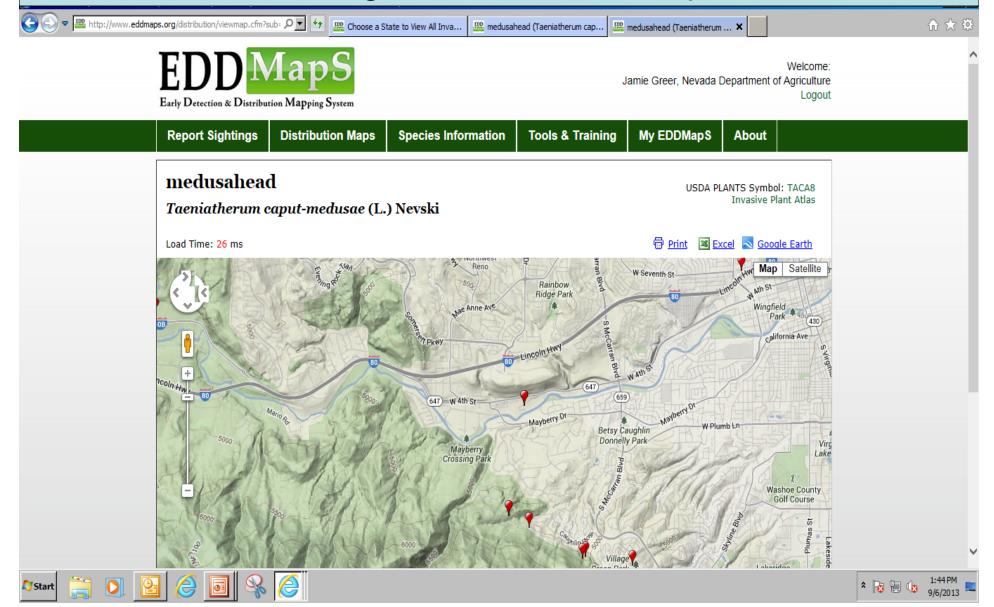






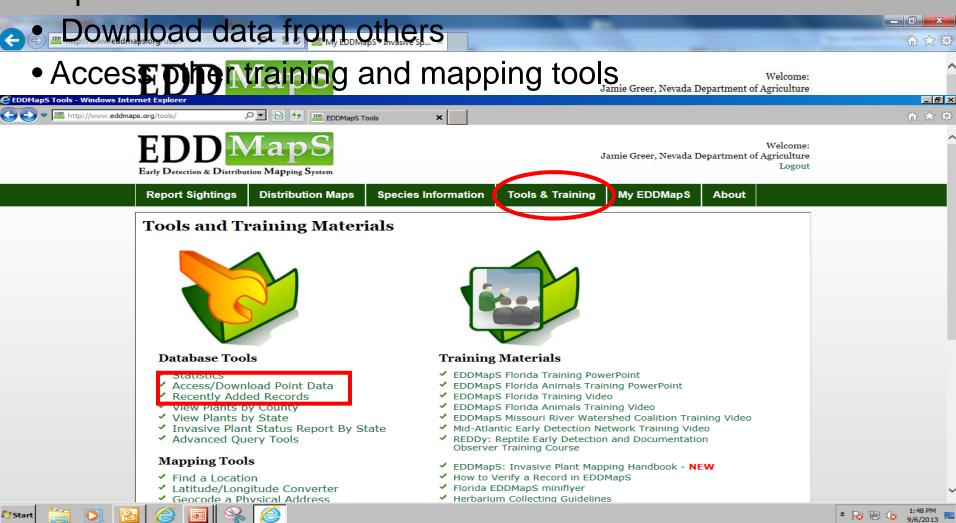
EDDMAPS DISTRIBUTION MAPS

Google Earth Points Map



EDDMAPS ADDITIONAL TOOLS

- Manage and update your own reports
- Create Email Alerts
- Upload bulk data sets



FUTURE STATEWIDE PLANS

EDDMaps GIS - States can use EDDMaps data to develop GIS systems that can be shared online

- More complex database with multiple layers, multiple base maps and editing capabilities
- In development now; anticipated share date
 Fall 2014

NEED MORE DATA INPUT INTO EDDMAPS

QUESTIONS





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