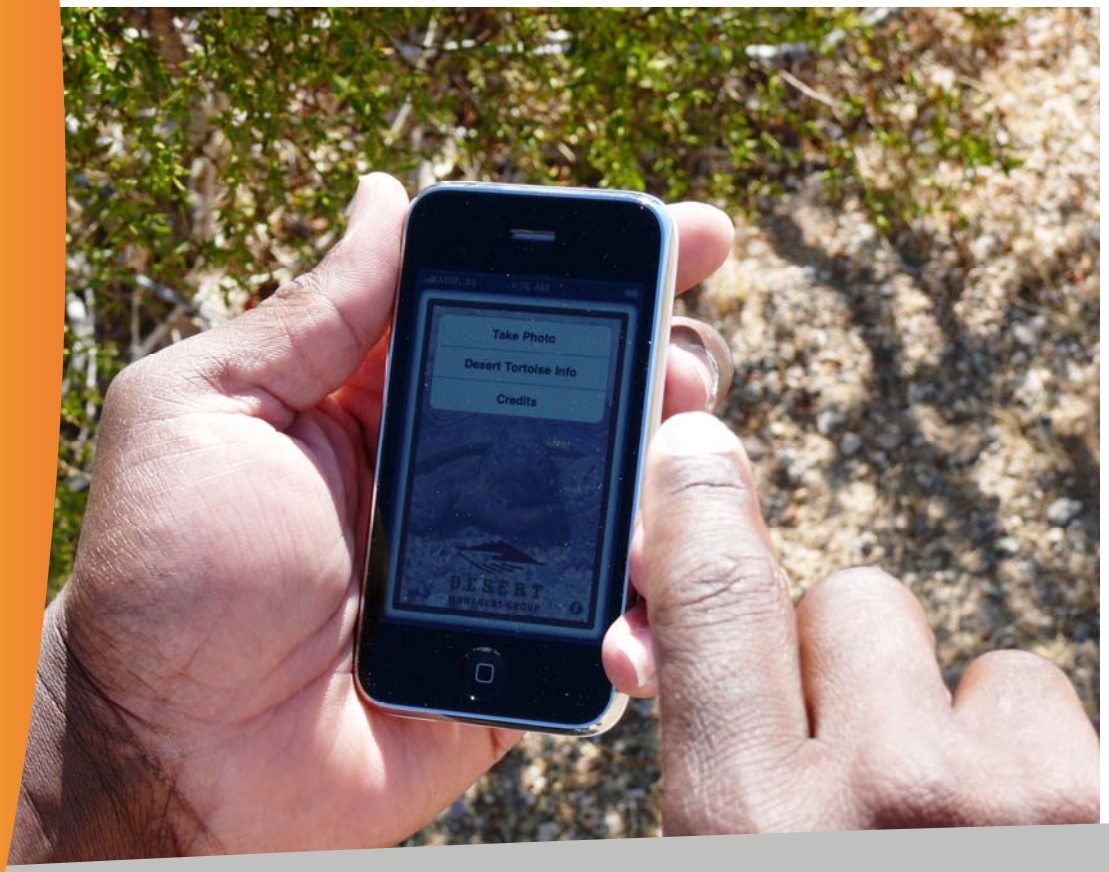
Supporting government agencies through geospatial solutions

MOJAVE DESERT ECOSYSTEM PROGRAM



OVERIVEW:

Tortoise
Version 1.0
IPhone App

Mojave Desert
Ecosystem Program

www.mojavedata.gov

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Goal:
To take key government environmental issues and present them in a mobile platform resulting in both education and data exchange through crowdsourcing.

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With the growth of smart phones and growing public interest in becoming involved with certain subjects, the concept of an application to both educate and collect basic data through crowdsourcing is growing.

This application was developed around the following concepts:

1. Education & Outreach: To educate the public on the Desert Tortoise within the Mojave Desert through smart phone platforms.

2. Data Collection: Collect present / absence data using cognitive surplus through moments of opportunity.

3. Scientific Research: Viewed as an additional source of species data to support research and alternate reporting methods.

How it works:

Step 1: Down load the application to the smart phone through your service provider

Step 2: View and agree to license agreement

Step 3: Take a one time survey
The survey is made up of 5 yes or no questions which upon completion the user see their results with the correct answer. These results are shared with the fish and wildlife service on an anonymous basis.

Step 4: Go to the home screen to take a photo, get info, view credits or find out information on the app
The user can now use the application when they come across a tortoise when on public lands in the Mojave. This is now the screen they will see when opening the application each time.

Step 5: Take a photo
The user takes a photo that will also capture the day, time and location. Their submission will allow for an optional name and note to be included. This information will be used for a public site supporting the digital campfire concept via the web.

The photo, date, time and location will also be stored in an additional database for scientist to analyze for presence and absence value. This step alone, if successful, will save hundreds of hours in data collection along with related cost savings.

The application has been designed to be simple, fun and informative to allow government to take advantage of the new mobile trends in our society.

To find out more contact us at

mobile@mojavedata.gov or call at 760.252.6160

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