



GODMSurveyor: PDA software for field data collection

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Problem

- User's need flexibility to use:
 - Paper Forms
 - Online Forms
 - Electronic Field Tools



NIIGS Data Entry Form - Windows Internet Explorer

File: Fill View Forward Back Tools Help

NIIGS - Data Entry Form

USGS Logout Welcome Jim My Profile January 22nd 2008

The National Institute of Invasive Species Science

Jim2 Project

To Project Information

This is some instructions adfsadfd!

Enter the date of the observation

Date: January 22nd 2008

Notes:

Enter the location information

Datum: WGS 84

Longitude¹:

Latitude²:

Accuracy³ (meters):

Field Form

Tamarix (tamarisk)

Presence Present Absent

Height:

Submit

¹ X coordinate, data must be in decimal degrees. (Example, 72.999)

² Y coordinate, data must be in decimal degrees. (Example, 41.999)

³ Approximate accuracy of your GPS unit in meters. We only accept data below 10 meters in accuracy

Home | About Us | Contact Us | Gather Data | Browse Data | Contribute Data | Analyze Data | Download Data | Data sharing agreement | Webmaster | Data usage agreement | Updated 2/16/2007

A GODM website

Done Local intranet 100%



Solution

- Project Managers create online forms
- Forms can be:
 - Printed
 - Used online
 - Downloaded to PDA





Download Form, Upload Data

CitSci - Data Entry Form - Windows Internet Explorer

http://hurricane/cwis438/contribute/DataEntryForms/DataEntryForm.php?FormID=21&Mod

CitSci - Data Entry Form

Logout: welcome jim My Profile: January 22nd 2008

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Jim2 Project
[To Project Information](#)

This is some instructions adsfsadf

Enter the date of the observation

Date: January 22nd 2008

Notes:

Enter the location information

Datum: WGS_84

Longitude¹:

Latitude²:

Accuracy³ (meters):

Field Form

Түптанix (жөнөкөй)

Presence Present Absent

Hwight

Submit

Done Local intranet

CitSci - Visits for Project 'Jim2' - Windows Internet Explorer

http://hurricane/cwis438/Review/Project/Map_List.php?ProjectID=189&WebSiteID=7

CitSci Visits for Project 'Jim2'

Logout: welcome jim My Profile: January 22nd 2008

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Visits for Project 'Jim2'
[To Project Information](#)

Click on the column to see more information about the item in the column (e.g. the date for information on the visit/sighting or the area name for more information on the area).

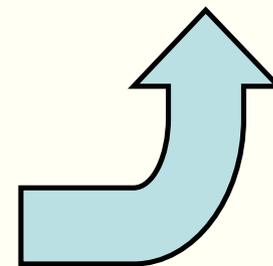
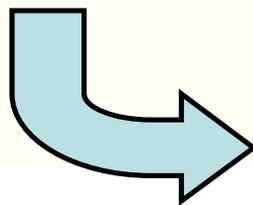
| Visit ID | Date | Area Name | Options |
|----------|---------------------|-----------|---------|
| 168449 | December 17th, 2007 | test6 | Delete |
| 168448 | December 17th, 2007 | test6 | Delete |
| 168447 | December 17th, 2007 | test5 | Delete |
| 168446 | December 17th, 2007 | test2 | Delete |
| 168445 | December 17th, 2007 | test3 | Delete |

To add a new visit you can:

1. Click on 'My Map' in the menu bar and use the 'Add Point' tool.
2. Click on 'New Sightings' in the website menu bar
3. Click on 'Survey Data' in the menu bar and upload a text file or Shapefile

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Local intranet 100%





Requirements

- Windows Mobile 5 or 6 PDA
 - HP 6945 is recommended (see eBay)
- PDA must have an Internet connection
 - Cradle
 - WiFi
 - Cell Phone



Edit the Form in the Web Site

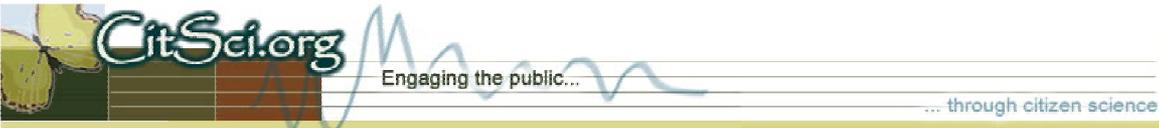
CitSci - Edit / Create Field Forms - Windows Internet Explorer

http://hurricane/cwis438/contribute/DataEntryForms/Form_Edit.php

File Edit View Favorites Tools Help

CitSci - Edit / Create Field Forms

Logout Welcome Jim My Profile January 22nd 2008



Edit an existing field form

[To Form List](#)

Field Form Information

Name:

Instructions:

Projection: Latitude / Longitude UTM

Volunteer Data: No Yes *Will data collected using this field form be collected by volunteers?*

Metadata: *Please enter metadata for this field form*

Species:

- Species added will appear in the table below as you build your form
- A presence attribute will appear by default with each species added

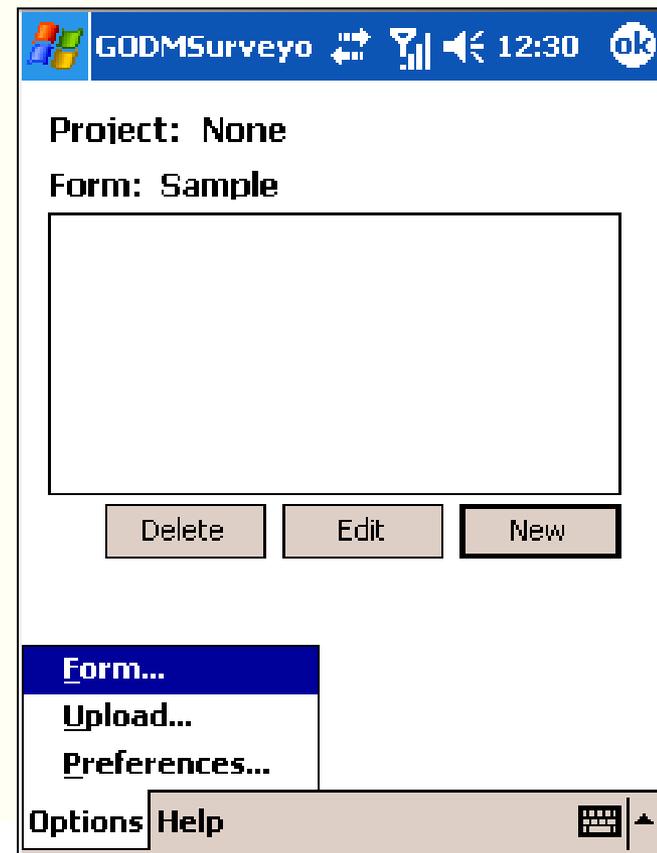
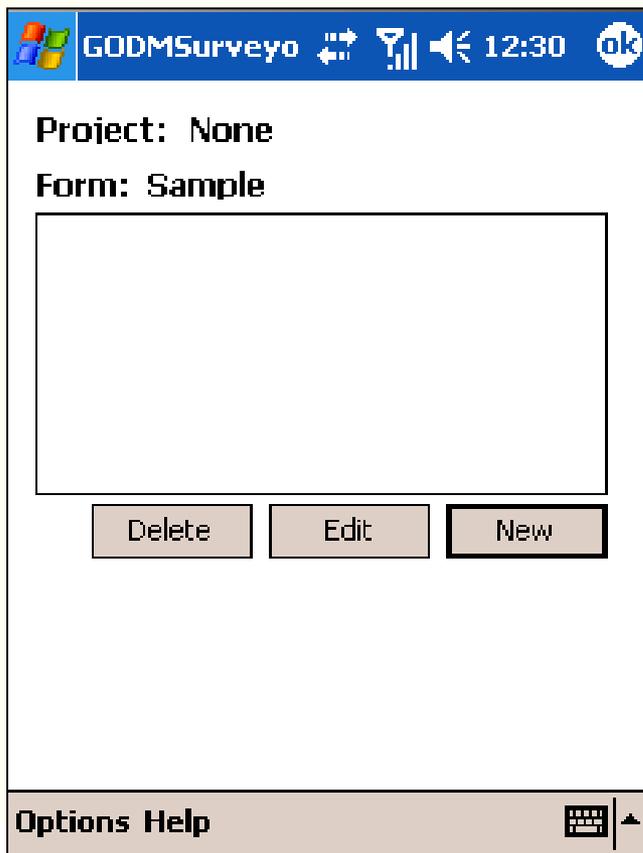
Species & Attributes Displayed On This Field Form

| | | | | |
|-------------------------|----------|--|---------------------------------------|---------------------------------------|
| Tamarix | tamarisk | <input type="button" value="Add Attribute"/> | <input type="button" value="Change"/> | <input type="button" value="Delete"/> |
| | Presence | | <input type="button" value="Change"/> | <input type="button" value="Delete"/> |
| | Height | | <input type="button" value="Change"/> | <input type="button" value="Delete"/> |

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Download a Form From the Web Site





Download a Form (con't)

GODMSurveyo 12:10

Login to the CitSci Web Site

1. Login:

2. Password:

OK Cancel

Options Help

GODMSurveyo 12:13

Form Selection

1. Select the project you would like to add data to:

2. Select the form for the current surveys:

OK Cancel

Options Help



Creating a New Survey

GODMSurveyo 12:15

Project: Invaders of the Sonoran
Form: Sonoran Desert Field Form

Options Help

GODMSurveyo 12:37

Survey Information

Recorder: Survey Name:

Taxonomist: Date and Time:

Description:

Options Help



Adding A GPS Coordinate

GODMSurveyor 12:59

Location Information

Projection: UTM Zone: 13

Datum: WGS 84

Easting: 0 meters

Northing: 0 meters

Accuracy: 0 meters

Previous GPS Next

Options Help

GODMSurveyor 1:01

GPS

Have Fix: No

Satellites: 0

Accuracy: None meters

Latitude: 0.00000 degrees

Longitude: 0.00000 degrees

Retry OK Cancel

Options Help



Entering Species Data

GODMSurveyor 1:04 ok

Location Information

Projection: UTM Zone: 13
Datum: WGS 84
Easting: 456543 meters
Northing: 4567654 meters
Accuracy: 2 meters

Previous GPS Next

Options Help

GODMSurveyor 1:11 ok

Tamarix

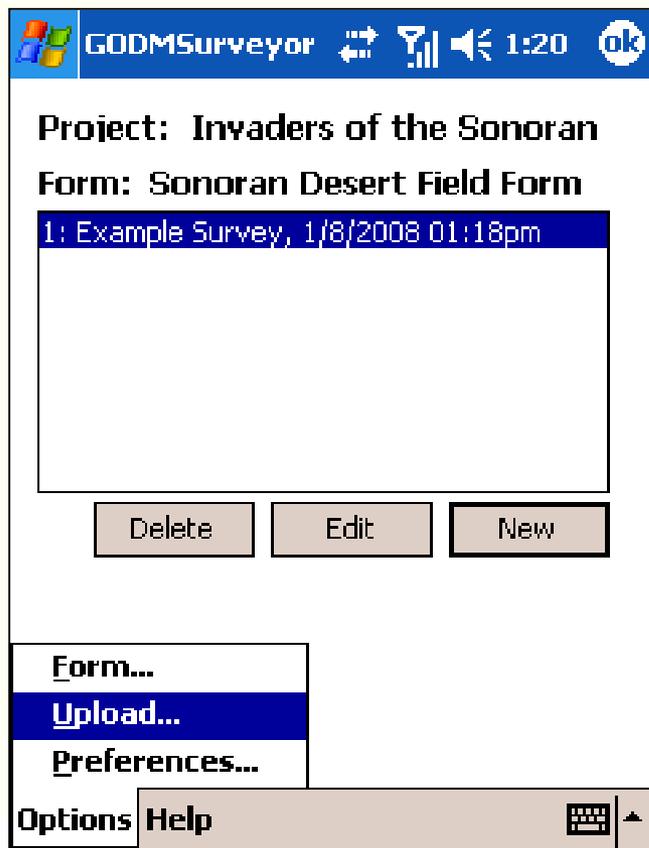
Identification: Certain
Present: 0
Percent Cover: 0

Previous Camera Next

Options Help



Uploading the Data To the Web Site



GODMSurveyor 1:20

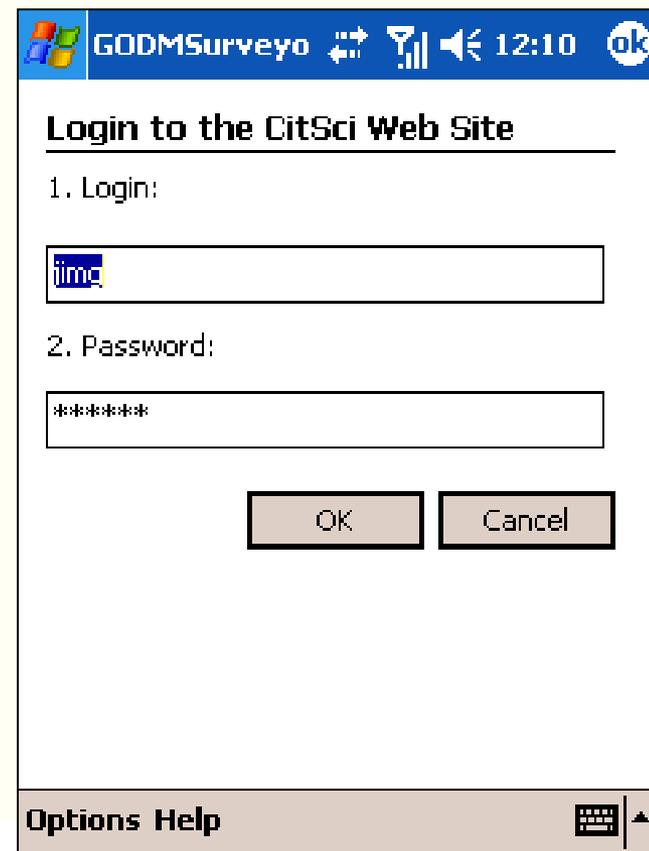
Project: Invaders of the Sonoran
Form: Sonoran Desert Field Form

1: Example Survey, 1/8/2008 01:18pm

Delete Edit New

Form...
Upload...
Preferences...

Options Help



GODMSurveyo 12:10

Login to the CitSci Web Site

1. Login:

time

2. Password:

OK Cancel

Options Help



Check Out the New Data!

CitSci - Visits for Project 'Jim2' - Windows Internet Explorer

http://hurricane/cwis438/Browse/Project/Visit_List.php?ProjectID=189&WebSiteID=7

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Visits for Project 'Jim2'

[To Project Information](#)

Click on the column to see more information about the item in the column (e.g., the date for visit/sighting or the area name for more information on the area)

| Visit ID | Date | Area Name |
|----------|-------------------------------------|-----------------------|
| 168449 | December 17th, 2007 | test |
| 168448 | December 17th, 2007 | test6 |
| 168447 | December 17th, 2007 | test5 |
| 168446 | December 17th, 2007 | test2 |
| 160445 | December 17th, 2007 | test |

To add a new visit you can:

1. Click on 'By Map' in the menu bar and use the 'Add Point' tool.
2. Click on 'New Sightings' in the website menu bar
3. Click on 'Survey Data' in the menu bar and upload a text file or Shapefile

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CitSci - Invasive Species Mapper - Windows Internet Explorer

http://hurricane/cwis400/Browse/Map/Scene_Basic.php?SceneID=6779

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Rocky Mountain NP LANDGAP

States

Background

Render Test Current Project: Invaders of the Sonoran Desert

W=159724.5 V=4151018



Please help us test!

- Testing Site:
 - <http://monsoon.nrel.colostate.edu/cwis438/websites/citsci/Home.php>
- Current issues:
 - Sun creates glare on the screen
 - GPS satellite acquisition
 - Battery life