*i*Map**Invasives** **Mobile App for Android and iOS**

Report invasive species observations using your smartphone or tablet

*i*Map**Invasives**
Sharing information for strategic management
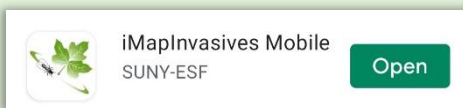
| **First-Time Setup** *Requires connectivity* | → | **Record Observation** *Connectivity* **NOT** *required* | ⟳ | **Upload Records** *Requires connectivity* |

1 First, create a free iMapInvasives account online at: www.nyimapinvasives.org.
*After registering, check your email for an activation email from iMapInvasives. Click the link and accept the User Agreement.

iMap Mobile App First Launch

2 Go to Google Play or the Apple App Store and search "iMapinvasives"
Install the app

> iMapInvasives Mobile
> SUNY-ESF   **Open**

3 Open the iMap App.
If opening app for the first time, the Preferences Page displays.
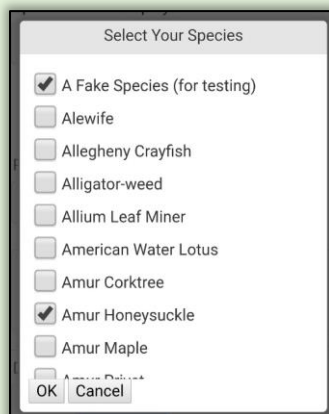*The Preferences page is also accessible from the **Main Menu** in the app.*

4 Enter your iMap Account Information
Email & password you provided at account signup

- MapInvasives + Add Observation
- S_lect All
- S_lect None
- U_load Selected
- D_LETE Selected
- **Preferences**
- Help

5 Click "Retrieve iMap Lists" to Login
Wait for success message

6 **Recommended: Customize Species List**
Create a custom short list of species you are interested in reporting
(This list can be toggled on and off when creating record.)

Tip: Include "*A Fake Species"* in your Custom Species List to allow you to create test records to familiarize yourself and practice before creating records in the field.

Select Your Species

- ☑ A Fake Species (for testing)
- ☐ Alewife
- ☐ Allegheny Crayfish
- ☐ Alligator-weed
- ☐ Allium Leaf Miner
- ☐ American Water Lotus
- ☐ Amur Corktree
- ☑ Amur Honeysuckle
- ☐ Amur Maple
- ☐ Amur Privet

OK Cancel

7 Review and set optional preferences

8 **Save Preferences**

Preferences

3

Jurisdiction Species List:
(Select the jurisdiction in which you will collect data)

New York ˅

iMapInvasives Username (Your Email Address):
(Enter the email address associated with your iMapInvasives account)

4 emailaddress@example.com

iMapInvasives Password:
(Must match your iMapInvasives password)

•••••••

Create Account or Reset Password

5 **Retrieve iMap Lists**

Species Name Display:

Scientific **Common**

6 **Customize Species List**

Picture quality:

25% 50% **100%**

☑ **Save Photos Taken In iMapInvasives App To Device Photo Library**
(If Permitted By Device)

Default Basemap Type:

Road **Satellite**

Default Map Zoom:

14 ▬▬▬▬▬▬▬◯▬▬

7 Measurement System:

US Customary (feet/acres) ˅

Default Project:

˅

Default Organization:

˅

☑ **Show Welcome Instructions**

8 Save Cancel

iMapInvasives Mobile App – General Usage
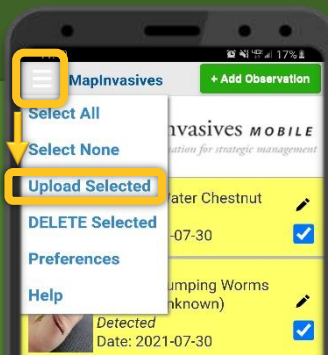
Creating an Observation

1 Tap **+Add Observation** on Home Screen

2 Take photo **OR** Select Photo from Library
Selecting from library will autofill date and location information from photo metadata, if available

3 If you have set a Custom Species list, enable it here *(optional)*

4 **Choose a Species** from List

5 **Select** "Species Detected" **or** "Species Not Detected"

6 **Choose date** – Default to today's date or photo metadata

7 **Set Location** – Default is to *current device GPS location*, unless auto-filled from photo metadata. To manually edit location, uncheck the GPS box ☑ GPS, tap the center of map push pin, and drag magenta circle to location of the invasive.

   ✔ If Location ≠ (0, 0) → Location services are working

8 **Optional Details:**
Select Project & Organization, if applicable [not needed]
Enter Time Searched [in minutes]
Type any relevant Comments

9 When Complete, **Save the Record**

Uploading Records

1. Records can be **edited** with: ✏️

2. Check Boxes of Records you want to **Upload** → ☑

3. Go into **Main Menu** ☰
   All records can be selected in the main menu, or the selection can also be cleared.

4. Tap **Upload Selected**

5. Wait for **Success Message**
   ✔ *Clear green screen = records uploaded!* →

(Right panel screen captures)

Take Photo Using Camera
Select Photo From Library

Species: ☑ Custom List
None Selected

● Species Detected
● Species Not Detected

Observation Date:
08/10/2021

☑ GPS *Uncheck to manually set location*
Satellite/Aerial Imagery Basemap

Viewing the basemap requires an internet connection, however GPS will continue to function even if the basemap does not display. GPS Accuracy: 0625 m

Location: *(Longitude, Latitude)*
-73.7490255, 42.6523716

iMap 3 Project: *(Optional)*

iMap 3 Organization: *(Optional)*

Time Searched: *(In Minutes)*

Observation Comments:

Save   Cancel

Troubleshooting

Common issues encountered with the iMap Mobile App and possible solutions.

Mobile App & Account Setup

❖ **General tips**
1. Ensure you have the most Recent Version of the App (check your app store for any pending updates)
2. Ensure you have a stable internet connection during initial setup and when uploading records.
3. Make sure you can successfully log in to iMapInvasives online before using the app.

❖ **An error message displays when attempting to "Retrieve iMap Lists."**
1. Carefully retype your username (email) and password for your iMap account.
2. If you are still having an issue, log in to the online interface and ensure your credentials work: imapinvasives.natureserve.org/imap/login.jsp

❖ **I can't log in to my iMap account online.**
1. After creating an account at imapinvasives.natureserve.org/imap/login.jsp, did you check for a confirmation email, click the link to the iMap User agreement and accept?
   If not, please check your inbox (including your spam/junk folder) and do so.
2. Ensure that you use the white sign-up box in the middle of the page for first-time sign up. After signing up, use the green login bar at the top.
3. If you still cannot log in, reset your password using the "Forgot password" link.

❖ **I am looking to select a particular iMap Project or Organization, but it does not appear in the app.**
1. Log in to iMapInvasives online. Select the main menu (upper left) and go to **Your Account**. Ensure you are a member of the Project or Organization. If Not: Request to Join the Project or Organization – further instructions are at: www.imapinvasives.org/projects and www.imapinvasives.org/organizations
2. Once complete, go back to the Mobile App, navigate to Main Menu → Preferences, and tap **Retrieve iMap Lists**.

Recording an Observation

❖ **Selecting a photo from library does not automatically populate the Location and Observation Date.**
1. Check date and location – sometimes it does autofill one or both
2. Ensure your camera settings have location or geotagging turn ON
   - *Android:* Camera → Settings → Switch on Location tags
   - *iOS:* Settings → Privacy → Location Services → Camera → Allow while using

❖ **Unable to manually move a point**
1. Ensure you are tapping in the center of the dropped pin. Keep tapping, and it should pop up.

Uploading Records

❖ **An error message appears when trying to upload records**
1. Within the app, go to the Main menu → Preferences → Retrieve iMap Lists to refresh the connection between the app and your account (see Mobile App and Account Setup for more information)
2. Ensure you have a stable internet connection. *(Cellular can be problematic.)*
3. Check to make sure all records appear as yellow cards (rather than red cards). If a card is red, that means it is missing critical information – tap the edit icon (pencil) and review the record.
4. Check for special characters in the free-text fields (e.g., ? ! & * _ #)
5. Upload records one at a time to try to isolate the problem record
6. Still not working? iMapInvasives may be experiencing technical difficulties – try again after an hour.

Need Further Assistance?
Help resources: nyimapinvasives.org/training
YouTube Tutorials: youtube.com/user/iMapInvasives
Contact Us: imapinvasives@dec.ny.gov

This handout was last updated September 2021

iMapInvasives
Sharing information for strategic management

New York
Natural Heritage
Program