

Help Track Water
Chestnut Hand-Pull
Removal Efforts

Survey Pull Report

www.imapinvasives.org



Thousands of pounds of Eurasian water chestnut (EWC) are removed annually through hand-pulls.

Help Track Efforts Across the State & Enhance Collaboration

[Report Efforts to iMapInvasives](#)

Step 1: Create an iMapInvasives Account & Join an Organization

1. Go to NYimapinvasives.org and click  in the top right.
2. Enter your info. Under **Jurisdiction**, select the primary state in which you will collect data.
3. Click  and you will receive an email (check spam folder!)
4. Click on the hyperlink ("[click here](#)") in the email, and it will take you to the User Agreement.
5. After reading, click  and you will see a pop-up box that says "Account Activated". Click .
6. Type your username (email) and password and click .

Sign Up

Help us track Invasives - it's free.
(Users must be at least 13 years old)

First Name:

Last Name:

Email:

Retype Email:

Password:

(Must be at least 8 characters long, with a number and an uppercase letter)

Retype Password:

Jurisdiction:

7. To enter a water chestnut pull, you will need to join your organization (or the “No Affiliation Organization (NY)” if you are not affiliated). To join an ORGANIZATION, click the MENU icon in the top left corner of the screen and select “Your Account” from the drop-down.
8. Click EDIT on the top Right. Scroll down to the organizations box and click “REQUEST TO JOIN.”
9. Type your organization into the search bar and select it from the dropdown menu and click “REQUEST TO JOIN.”
10. Press SAVE on the top right; request is pending until accepted by organization. Follow the same steps to join Projects.

Step 2: Survey Before You Remove



- Survey the infestation in advance or at the beginning of the hand-pull removal effort.

Optional Pro-tip:

Drop water chestnut point records around the perimeter of the infestation using the mobile app to help you draw the infestation in iMap later

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Step 3: Locate the Infestation in iMap

Use the magnifying glass button on the left menu to search an address or waterbody name.

Or

Use the +/- buttons on the right to zoom to the location.

You can also find the location by filtering water chestnut records to find what you previously reported.

Step 4: Create Multi-Record Searched Area

Click **“Create Record”** at the top, select **“Multi-Record Searched Area Record”** and leave **“Polygon”** as the shape type.

Click **“Change Basemaps”** on the right-hand side of the screen to switch to **Satellite imagery**. This will allow you to use landmarks to aid in tracing your

Use the **+** symbol to trace the full area you surveyed including areas where water chestnut wasn't

CLICK add “Presence Record”

Type Water Chestnut

“Survey before treatment”

***Advanced Details**

Allows experts to confirm species ID

Percent coverage of water chestnut in the present species polygon

Trace (single plant/clump), Sparse (Scattered plants/clumps), Dense plants/clumps, Monoculture, Linearly Scattered

Select whether flowers, fruits, etc.

Step 5: Record the Hand-Pull as a Treatment

Click “**Find Record**,” and then select “**Searched Area**” for type and enter your searched area record or use the **zoom tools** or **filter tools** to locate the observations and click “**Find**.”

Fill out the details outlined below:

It is very important to list the **biomass type and amount removed** such as **100 garbage bags, etc.**

The image shows two screenshots of a data entry interface. The left screenshot is titled 'Treatment Record Details' and the right is 'Treatment Type Details'. Both have 'next' buttons circled in yellow at the bottom right.

Treatment Record Details:

- Begin On: 07/10/2020
- End On: mm/dd/yyyy
- Treatment Iteration: Select...
- Lead Contact*: [input field]
- Organization: Select...
- Treatment Goals: Select one or more...
- Comments: 50 volunteers, 3 hours
- Rare Species Precautions: [input field]
- Permit Comments: [input field]
- Photos of the Treated Area: None Add Photo
- Tagged Projects: Select one or more...
- Local Contact: Name: [input field], Organization: Select...

Treatment Type Details:

- Treatment Type*: Select... (Physical selected)
- Physical Treatment Specific Details: Physical Treatment Methods*: Mechanical/Manual
- Comments: Biomass: 100 pounds
- Mechanical Treatment Methods: Select one or more...
- Disposal Methods: Select one or more...

Annotations:

- Blue arrow points from 'Initial or follow-up treatment' to 'Treatment Iteration'.
- Blue arrow points from 'Eradication, containment, suppression' to 'Treatment Goals'.
- Blue arrow points from 'Enter volunteer efforts using key words:' to 'Comments'.
- Blue arrow points from 'Hand-Pull' to 'Mechanical Treatment Methods'.
- Blue arrow points from 'Select method, enter any details in comment section above' to 'Comments'.

Central Callout Box:

In Comments Section Enter

“Biomass”,
a number, and key words:

- **Garbage bags**
- **laundry baskets**
- **bulldozer**
- **pounds**
- **rosettes**

**if your metric is not listed above, use words that clearly describe your metric.*

**Include all relevant details*

Enter volunteer efforts using key words:

- **Volunteers**
- **People**
- **Hours**

Step 6: Post Treatment Survey Record

If targeted WC is still present at the site of the pull:

Conduct a general survey of area infested (same as pre-treatment assessment above, Step 4), and record the areas where the species is present. If another treatment is needed, please enter another treatment once performed (**see step 5**).

If WC is not present (appears to be eliminated): Create a Not Detected record

- Use Create Record tool and select **Not detected**. Draw a polygon around the area you surveyed for WC but did not find it – this should include some or all your treatment record within it.
- Enter **Time searched** to convey search effort
- **Reason for Not Detecting** – select **Due to Treatment**
- **Presumed Eliminated:** Y/N (admin only). This is intended for areas where water chestnut was eradicated and not seen for the following 3 or more years, contact imapinvasives@dec.ny.gov if you would like us to select “Yes”. **Once you’ve submitted your post-treatment survey record (whether present or absent) additional post-treatment follow-up fields that measure treatment effectiveness will be available.**