Water Chestnut (*Trapa natans*) is an invasive species that threatens NY waterways. Each year, thousands of pounds of water chestnut are pulled by professionals and volunteers across the state. Help us track these efforts in a centralized invasive species database using a standardized protocol.

This handout goes through setting up an iMapInvasives account to record the following in the online interface:

1. **Pre-treatment survey**
   - Record the distribution!

2. **Treatment survey**
   - Draw a polygon where you pulled water chestnut

3. **Post-treatment survey**
   - Was the treatment effective?

Note: You can also record water chestnut pulls in the field using the iMap Survey123. Visit [www.nyimapinvasives.org/report-an-invasive](http://www.nyimapinvasives.org/report-an-invasive) for more information.

Contact us: imapinvasives@dec.ny.gov
**Create an iMap Account & join an iMap Organization**

**First**, go to [nyimapinvasives.org](http://nyimapinvasives.org) and click **LOGIN** (top right).

**Have an account?** Type your username (email) & password and click **Log in**

**Don't have an account?** Sign up!
- Under Jurisdiction, select the primary state/province in which you will collect data.

**Click** Join and check your email (including spam!) for a link to the User Agreement. After reading, click **Accept** to activate your account

**Now, you are all set to log in!**

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**To record a pull, you will need to join an organization.** This can either be your employer’s organization or the “No Affiliation Organization (NY)” if you are not officially affiliated.

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**Tips for using the iMapInvasives interface**

- **Zoom in and out**
- **Zoom to your location**
- **Filter data on “Water chestnut” to see existing records**
- **Enter an address or location to zoom to**
- **Change basemap to Satellite to view the waterbody**

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1. Select **Your Account** from the **Main Menu** (top left)
2. Click **Edit** on the top right of Your Account.
3. Scroll down to the **Organizations** and click “Request to Join…”
4. Type your organization into the search bar and select it.
5. Click “Request to join Organization”
6. Press **Save** on the top right of your account page.

**Now, you will be listed as pending until your request is accepted by the organization lead.**
Step 1: Survey the infestation before you pull & report a presence record

- **Optional Pro-tip:** Drop water chestnut point records around the perimeter of the infestation using the *iMap mobile app* to help you draw the infestation in iMap later.

*Find your area of interest on the map, and use the Create Record Tool to create a Multi-record Searched area.*

*Select the present species, and record the pre-pull presence record.*

*Add a photo so that the experts can confirm your record!*

**Select the Distribution**

TRACE

SPARSE

DENSE

MONOCULTURE
Step 2: Record the Hand-Pull as a Treatment

Create a Treatment Record & draw a polygon around the area pulled

Continue with the Multi-species Searched Area Record to Treatments

OR

Start a new record by clicking Create Record (top of map) and selecting Treatment.

Draw a polygon around your pull!

Step 3

Record a Post-treatment Survey

If water chestnut 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):

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. Key fields:

- Time searched
- Reason for Not Detecting – Due to Treatment
- Presumed Eliminated: If the treated species has not been detected for 7 or more years, contact us if you would like us to select “Yes”

Note: Once you have submitted your post-treatment survey, additional post-treatment follow-up fields that measure treatment effectiveness will be available.

Contact us:
imapinvasives@dec.ny.gov
# Recording Water Chestnut Pulls in iMapInvasives

*Printout for the field*

Fill out the following details in the field so that you have all the info you need to record the pull online tomorrow!

<table>
<thead>
<tr>
<th>Date: ___________</th>
<th>Site name: ___________________________</th>
</tr>
</thead>
</table>

## TREATMENT RECORD DETAILS

- Number of people conducting the pull: ___________
- Number of hours spent pulling WC: __________

## TREATMENT TYPE DETAILS

- Estimate of biomass pulled: __________________________
- Disposal method (circle): Trash  Bury  Incinerate  Compost  Left piled onsite

## Biomass key words:
- garbage bags, laundry baskets,
- pounds, rosettes, cubic yards

## ADDITIONAL NOTES/COMMENTS:

Website: nyimapinvasives.org; email: imapinvasives@dec.ny.gov