

Vascular Data Entry

Overview:

1. Set up the Station Visit (formerly the SBIO Sample) using “**Station Visits**” option under **Field Activities** menu before entering data assessed and collected in the field. *Please see Station Visit User Guide for details.*
2. Click “**Vascular**” in the **Field Activities** drop down menu.
3. Enter new plant data for the Station Visit on the “Enter Data” tab
 - a. Search for your Station Visit ID (formerly SBIO Sample ID) by either STORET number or Station Visit ID number
 - i. Choose the corresponding radio button
 - ii. Type your ID in the search box
 - b. Click on Station Visit ID you want to add plant data to
 - i. The Macrophyte ID will be generated and the table will be ready to receive data
 - ii. The sample information will also be populated
 - c. Choose a templated plant list if you have created one (**optional**)
 - d. Add your data (the populated plant lists and ancillary options are different for different waterbody types)
 - i. For Lakes
 1. Click the radio button for the segments sampled to populate the grid with plant names
 2. Click the cell for the appropriate plant and segment combination
 3. Fill in the appropriate value (P, C or D)
 - ii. For Streams/Rivers
 1. If there is less than 2 square meters of vegetation
 - a. Check the <2 sq. meters box
 2. If there is more than 2 square meters of vegetation
 3. Click the cell for the appropriate plant and transect combination
 4. Fill in the appropriate values (P, C or D)
 5. Choose the appropriate percent cover for each transect from the drop down lists.
 - iii. For Wetlands
 1. Click the Radio button for the wetland type
 2. Click the radio button for the transect that you want to start with
 3. Click the cell for the appropriate plant and section combination
 4. Fill in P where appropriate
 - iv. For all
 1. If the plant is not in the pre-populated grid:
 - a. Click the arrow on the drop down list below the grid
 - b. Start typing the name of the plant
 - c. Double click on the plant name to add it to the grid
 2. Create a Template using the data you have entered (**optional**)
 - a. The template will keep the plant names that have a value in the row but not the values that were entered

3. Choose a sampling Agency
 4. Choose an Identifier
 5. Click Save
 6. You can also click Cancel to delete what has been entered.
4. To Delete, Complete or Review Data Entry
 - a. Click on the "Existing Info tab"
 - b. Choose the method you would like to search by
 - c. Type your number in the Search box
 - d. Click on the Station Visit ID to populate the Macrophyte IDs associated with it
 - e. Click on the Macrophyte ID you would like to complete or review
 - i. The sample information and plant data entered will populate
 - f. To Complete or Correct Data
 - i. Type directly into the grid
 - ii. Add plants by double clicking from the plant list drop down list
 - iii. Delete a plant from the grid
 1. Highlight the plant
 2. Click "Delete Plant" button
 - g. Choose a reviewer from the dropdown list
 - h. Click "Updates are Correct" to save changes
 - i. Delete the entire Macrophyte Entry
 - i. Click the "Delete Macrophyte Sample" button
 - ii. Confirm in the message box that you want to delete the sample

Tips and Tricks:

- **Tab/Shift+Tab** moves across columns in a single row
- **Ctrl+Delete** deletes a row from the DBGrid
- You can navigate through the DBGrid using the arrow keys on your keyboard

Detailed Description:

1. Set up the Station Visit (formerly the SBIO Sample) using “**Station Visits**” option under **Field Activities** menu before entering data assessed and collected in the field. Please see *Station Visit User Guide* for details.
2. Click “**Vascular**” in the **Field Activities** drop down menu



3. Enter Vascular data that has not yet been entered for the Station Visit on the “Enter Data” tab

A screenshot of the 'Macrophyte Field Data' application window. The 'Enter Data' tab is selected and highlighted with a red circle. The window contains several input fields and sections: 'Search Existing Stations by:' with radio buttons for 'SBIO Sample ID (Station Visit ID)' and 'STORET Station ID'; a 'Search:' text box; 'STORET Station:' and 'SBIO Sample ID (Station Visit ID):' text boxes; 'New Information:' section with 'New Macrophyte ID:', 'Sampling Agency:', and 'Identifier:' dropdowns; a 'Comments:' text area; 'Existing Sample Information' section with 'Station:', 'Sample Date:', 'Waterbody:', 'Lead Sampler:', and 'Waterbody Type:' text boxes; a 'Double click plant name to add to the list:' dropdown; and 'Cancel' and 'Save' buttons at the bottom.

- a. Search for your Station Visit ID (formerly SBIO Sample ID) by either STORET number or Station Visit ID number
 - i. Choose the corresponding radio button

- ii. Type your number in the search box

Macrophyte Field Data

Enter Data Existing Data

Search Existing Stations by:

☐ SBIO Sample ID (Station Visit ID)

☒ STORET Station ID

Search:

G4

STORET Station:

G4CE0001

G4CE0005

G4CE0015

G4CE0017

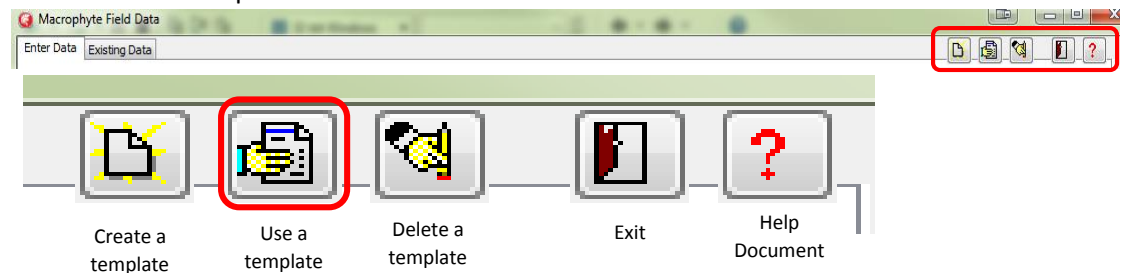
G4CE0018

SBIO Sample ID (Station Visit ID):

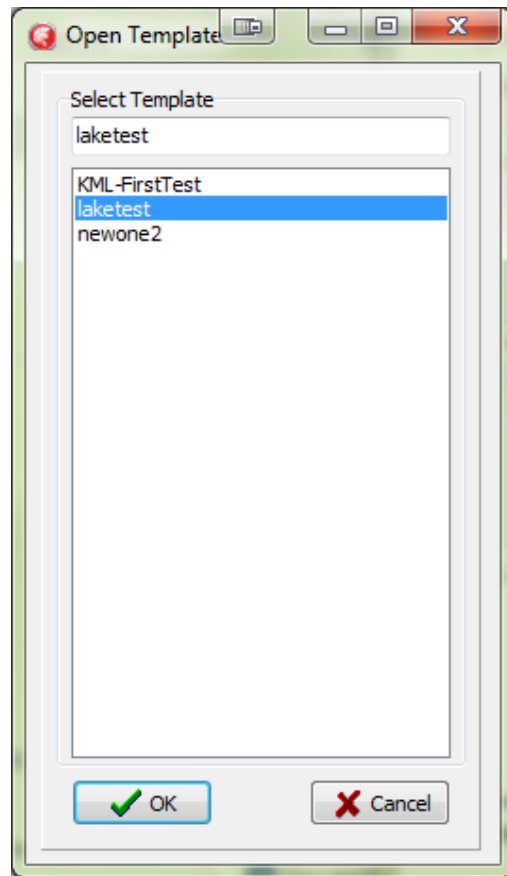
73219

Choose the method to search for the Station Visit ID. Start typing in the Search box. The listbox will populate with matching STORET IDs or Station Visit IDs as you type. If you are searching by STORET ID, click the STORET ID to populate the associated Visit IDs, then click the Visit ID. Otherwise, just click the Visit ID.

- b. Click on Station Visit ID you want to add plant data to
 - i. The Macrophyte ID will be generated and the table will be ready to receive data
 - ii. The sample information will be populated, *see screen shots below.*
- c. ***optional*** Choose a template, if you have created one
 - i. Click the “Use Template” button



- ii. Click on the template you want to use and click ok



- d. Add data (the populated plant lists and ancillary options are different for different waterbody types)

i. For Lakes

1. Click the radio button for the segments sampled to populate the grid with plant names
2. Click the cell for the appropriate plant and segment combination
3. Fill in the appropriate value (P, C or D)

Click the radio button next to the set of sections sampled for the grid to populate.

Macrophyte Field Data

Enter Data Existing Data

Search Existing Stations by:

☐ SBIO Sample ID (Station Visit ID)

☒ STORET Station ID

Search:

73219

STORET Station:

SBIO Sample ID (Station Visit ID):

73219

Lake Segments Sampled

☐ 1,4,7,10

☒ 2,5,8,11

☐ 3,6,9,12

New Information:

New Macrophyte ID: 9457

Sampling Agency:

Identifier:

Comments:

Existing Sample Information

Station: G4CE0015

Sample Date: 5/5/2014

Waterbody: LAKE PANASOFFKEE

Lead Sampler: Unger, Michael

Waterbody Type: Lake

Herbaceous Species

Herbaceous Species	1	2	3	4	5	6	7	8	9	10	11	12
Acer rubrum												
Alternanthera philoxeroides												
Andropogon												
Azolla caroliniana												
Baccharis												
Bacopa caroliniana												
Bacopa monnieri												
Bidens laevis												
Bidens miss												
Blechnum semulatum												
Boehmeria cylindrica												
Brassia schreberi												
Cabomba caroliniana												
Casuarina equisetifolia												
Centella asiatica												
Cephalanthus occidentalis												
Ceratophyllum demersum												
Chara												
Cladium jamaicense												
Cliftonia monophylla												
Colocasia esculenta												
Commelina												
Crinum americanum												
Cyperus alternifolius												
Cyperus articulatus												
Cyperus haspan												
Cyperus lecontei												
Cyperus odoratus												
Cyperus polystachyos												
Cyperus surinamensis												
Cynilla racemiflora												
Decodon verticillatus												
Diodia virginiana												
Echinochloa crusgalli												
Echinochloa muricata												
Echinochloa walteri												

Double click plant name to add to the list:

Cancel Save

ii. For Streams/Rivers

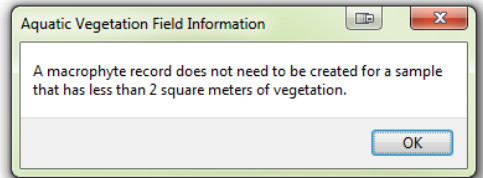
1. If there is less than 2 square meters of vegetation

a. Check the <2 sq. meters box

☒ < 2 sq. meters vegetation

New Information:
New Macrophyte ID:

Sampling Agency:



2. If there are more than 2 square meters of vegetation

3. Click the cell for the appropriate plant and transect combination

4. Fill in the appropriate values (P, C or D)

5. Choose the appropriate percent cover for each transect from the drop down lists.

If less than 2 square meters of vegetation, click box.

Macrophyte Field Data

Enter Data Existing Data

Search Existing Stations by:

☒ SBIO Sample ID (Station Visit ID)

☐ STORET Station ID

Search: 12435

STORET Station:

SBIO Sample ID (Station Visit ID): 12435

☒ < 2 sq. meters vegetation

New Information:

New Macrophyte ID: 9462

Sampling Agency:

Identifier:

Comments:

Existing Sample Information

Station: 32010021

Sample Date: 8/13/1997

Waterbody: ALAQUA CREEK

Lead Sampler: Ray, Donald H.

Waterbody Type: Stream

Cancel Save

Herbaceous Species

	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
Alternanthera philoxeroides										
Bacopa caroliniana										
Bacopa monnieri										
Bidens nitida										
Boehmeria cylindrica										
Centella asiatica										
Ceratophyllum demersum										
Chara										
Cicuta maculata										
Cladium jamaicense										
Colocasia esculenta										
Commelina										
Commelina diffusa										
Commelina virginica										
Crinum americanum										
Diodia virginiana										
Eichhornia crassipes										
Eleocharis										
Hydrilla verticillata										
Hydrocotyle										
Hygrophila										
Hygrophila polysperma										
Hymenocallis										
Lachnanthes caroliniana										
Landoltia punctata										
Lemna										
Limnophila sessiliflora										
Ludwigia leptocarpa										
Ludwigia palustris										
Ludwigia peruviana										
Ludwigia repens										
Luzula fluitans										
Micranthemum glomeratum										
Micranthemum umbrosum										
Myriophyllum aquaticum										
Najas guadalupensis										

Double click plant name to add to the list:

Percent Cover

0-10m:		50-60m:	
10-20m:		60-70m:	
20-30m:		70-80m:	
30-40m:		80-90m:	
40-50m:		90-100m:	

Choose the percent of macrophyte coverage for each transect from the dropdown lists.

iii. For Wetlands

1. Click the Radio button for the wetland type
2. Click the radio button for the transect that you want to start with
3. Click the cell for the appropriate plant and section combination
4. Fill in P where appropriate (dominant and co-dominant are not allowable values for wetlands but you can make note of dominant and co-dominant plants in the comment box)

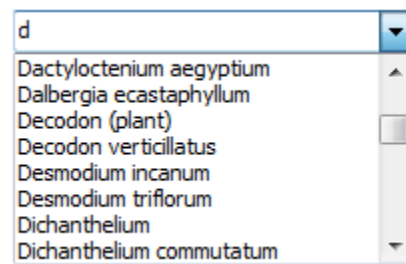
Choose the wetland type and the transect you want to start with. Click the different radio buttons to populate the different transects.

iv. For all waterbody types:

1. If the plant is not in the pre-populated grid:

- Click the arrow on the drop down list below the grid
- Start typing the name of the plant
- Click on the plant name to add it to the box at the top of the list
- Double click the plant name when it's in the box to add it to the grid.

Double click plant name to add to the list:



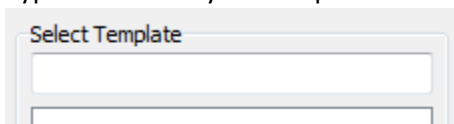
2. Create a Template using the data you have entered **(optional)**

- The template will keep the plant names that have a value in the row but not the values that were entered
- After you have data entered in the grid:

i. Click the save template button



ii. Type a name for your template in the small box



iii. Click Ok

3. Choose a sampling Agency

4. Choose an Identifier

5. Click Save

6. Click Cancel to delete what has been entered.

4. To Delete, Complete or Review Data Entry
 - a. Click on the “Existing Info” tab
 - b. Choose the method you would like to search by
 - c. Type your number in the Search box
 - d. Click on the Station Visit ID to populate the Macrophyte IDs associated with it
 - e. Click on the Macrophyte ID you would like to complete or review
 - i. The sample information and plant data entered will populate

Click the
Macrophyte ID you
want to check.

Macrophyte Field Data

Enter Data Existing Data

Search Method
☒ Macrophyte ID
☐ SED Sample ID (Station Visit ID)
☐ STORET Station Number

Search: 942

STORRET Station: 942

SED Sample ID (Station Visit ID): 942

Macrophyte ID: 9420

Sample Information
 Station: Dad-L29-1
 Sample Date: 12/21/2015
 Lead Sampler: Madderom, Nick
 Macrophyte ID: 9420
 Identifier: Cascoli, Robin

Plant List

SCNAME	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
Alternanthera philoxeroides	P	P	P	P	P	P	P	P	P	P
Cladium jamaicense	P	P								
Eleocharis crassipes			P							
Eleocharis baldwinii	P	P	P	P	P	P	P	P	P	P
Eleocharis interstincta										
Hydrocotyle	P	P	P	P	P	P	P	P	P	P
Lemnatis punctata	P	P	P	P	P	P	P	P	P	P
Leersia hexandra	P	P	P	P	P	P	P	P	P	P
Ludwigia repens	P	P	P	P	P	P	P	P	P	P
Nuphar advena	P	P	P	P	P	P	P	P	P	P
Panicum repens	P	P	P	P	P	P	P	P	P	P
Peltia stratiotes	P	P	P	P	P	P	P	P	P	P
Polygonum	P	P								
Polygonum punctatum	P	P	P	P	P	P	P	P	P	P
Pontederia cordata	P	P	P	P	P	P	P	P	P	P
Potamogeton illinoensis	P	P	P	P	P	P	P	P	P	P
Sagittaria latifolia	P	P	P	P	P	P	P	P	P	P
Sagittaria latifolia	P	P	P	P	P	P	P	P	P	P
Salvinia minima	P	P	P	P	P	P	P	P	P	P
Typha	P	P	P	P	P	P	P	P	P	P
Utricularia foliosa										
Vallisneria spiralis	P	P								

Double click plant name to add to grid:

Percent Cover

0-10 m: 0-5% Macrophyte Covers
 10-20 m: 0-5% Macrophyte Covers
 20-30 m: 0-5% Macrophyte Covers
 30-40 m: 0-5% Macrophyte Covers
 40-50 m: 0-5% Macrophyte Covers

50-60 m: 0-5% Macrophyte Covers
 60-70 m: 0-5% Macrophyte Covers
 70-80 m: 0-5% Macrophyte Covers
 80-90 m: 0-5% Macrophyte Covers
 90-100 m: 0-5% Macrophyte Covers

Reviewer: Updates are Correct

Delete Plant

Delete Macrophyte Sample

- f. To Complete or Correct Data
 - i. Type directly into the grid
 - ii. Add plants by double clicking from the plant list drop down list
 - iii. Delete plants by highlighting the plant in the grid then click the Delete Plant button
- g. Choose a reviewer from the dropdown list
- h. Click “Updates are Correct” to save changes
- i. To delete the entire Macrophyte Sample
 - i. Click the “Delete Macrophyte Sample” button
 - ii. Confirm the deletion in the message box that pops up.