

USGS Great Lakes Beach Health Data Input Form: Help Documentation

Version 4.0

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For assistance with this application or documentation, please contact:

glri_beach_help@usgs.gov

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HOW TO LOG ON TO THE BEACH DATA ENTRY APPLICATION

LOGGING ON

1. In a browser, navigate to: **https://greatlakesbeaches.usgs.gov/input_forms**
2. Log in using your user name and password
3. If you have forgotten your password or user name contact an administrator (glri_beach_help@usgs.gov)

LOGGING OFF

You can log off by clicking the 'Logout *Username*' link in the upper right-hand corner or by closing your browser.

NOTES

- Your user name and password are the same as last year. If you did not use the application last year, you will need to request a user name and password from glri_beach_help@usgs.gov
- Navigating away from the page does not necessarily log you out of the application.

Figure 1. Successful Login Screen

The screenshot shows the USGS GL Beaches Sanitary Survey Home page. The page header includes the USGS logo and navigation links. The main content area features a 'New Form' section with a 'Beach' dropdown menu. Below this is a 'Your History' section with a 'Review All' button. The 'Your History' section contains a table with the following columns: Beach, Survey Date, Entered By, Last Updated, and Last Updated By. The table lists various beaches and their corresponding survey dates and user information. At the bottom of the page, there is an 'Accessibility' section with links to FOIA, Privacy, and Policies and Notices. The footer includes contact information for the Administrator and the U.S. Department of the Interior | U.S. Geological Survey.

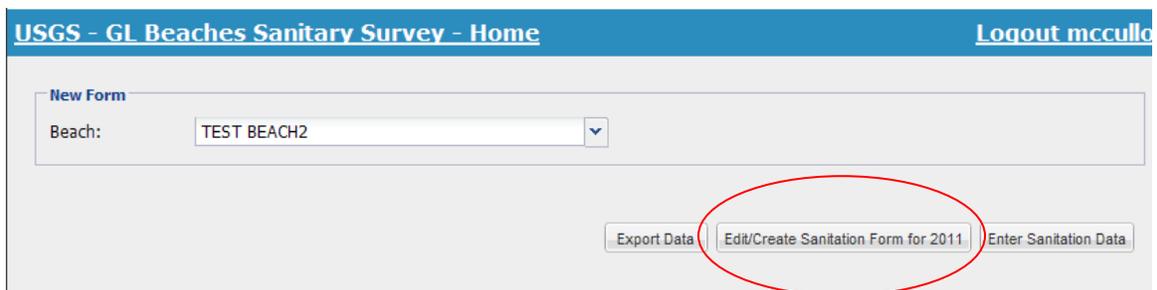
Beach	Survey Date	Entered By	Last Updated	Last Updated By
Kreher Park Beach	Fri, 25 May 2012 13:45	jlucido	Fri, 25 May 2012 13:46 -0500	jlucido
Maslowski Beaches	Thu, 24 May 2012 14:03	jlucido	Thu, 24 May 2012 14:07 -0500	jlucido
Point Beach State Forest - Lig	Thu, 24 May 2012 13:40	jlucido	Thu, 24 May 2012 13:58 -0500	jlucido
Kreher Park Beach	Thu, 24 May 2012 13:24	jlucido	Thu, 24 May 2012 13:30 -0500	jlucido
Neshotah Beach	Thu, 24 May 2012 13:22	jlucido	Thu, 24 May 2012 13:24 -0500	jlucido
Point Beach State Forest - Lak	Thu, 24 May 2012 13:20	jlucido	Thu, 24 May 2012 13:21 -0500	jlucido
Thompson West End Park Beach	Thu, 24 May 2012 12:01	jlucido	Thu, 24 May 2012 12:03 -0500	jlucido
Fischer Park Beaches	Thu, 24 May 2012 11:53	jlucido	Thu, 24 May 2012 11:56 -0500	jlucido
Red Arrow Park Beach Manitowoc	Thu, 24 May 2012 11:40	jlucido	Thu, 24 May 2012 11:42 -0500	jlucido
Point Beach State Forest - Con	Thu, 24 May 2012 11:05	jlucido	Thu, 24 May 2012 11:07 -0500	jlucido
Hika Park Bay	Thu, 24 May 2012 10:34	jlucido	Thu, 24 May 2012 10:53 -0500	jlucido
Red Arrow Park Beach Manitowoc	Wed, 16 May 2012 12:30	jlucido	Wed, 16 May 2012 10:11 -0500	jlucido
TEST BEACH2	Mon, 9 Jan 2012 12:45	jlucido	Mon, 9 Jan 2012 14:18 -0600	jlucido

HOW TO CREATE A CUSTOM FORM

ADDING, REMOVING AND REORDERING FIELDS

1. Choose the beach from the drop down list that you want to set-up a custom form for (Note: If you do not see the beach that you want to edit in the drop down menu, contact an glri_beach_help@usgs.gov)
2. Then click the 'Edit/Create Sanitation Form for 2011' button

Figure 2. Edit/Create Sanitation Form button



USGS - GL Beaches Sanitary Survey - Home Logout mccullo

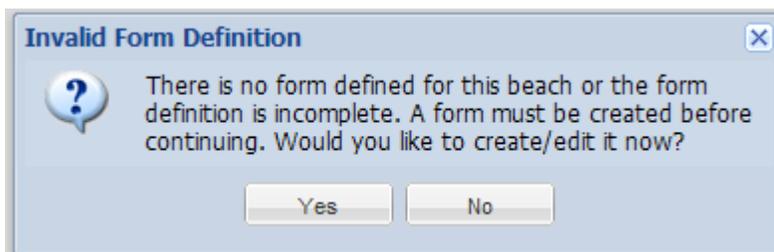
New Form

Beach: TEST BEACH2

Export Data Edit/Create Sanitation Form for 2011 Enter Sanitation Data

3. If the form for that beach has never been edited, then the default form for the current beach season will be displayed. The default form will have all of the available fields in it, similar to the long form from 2010.
4. If you try to enter data for a beach for which you have not set up a form for the current season you may be prompted to set up a form (e.g. "There is no form defined for this beach or the form definition is incomplete. A form must be created before continuing. Would you like to create/edit it now?"). Click 'Yes' to be taken to the editing interface and the default form will be displayed.

Figure 3. Message prompt when a form has not been defined for a beach



5. The default form contains beach level information, monitoring point level information and tributary level information

Figure 4. Beach form customization screen

USGS - Wisconsin GL Beaches Sanitary Survey - TEST BEACH2
(Form Editing Mode) Logout mccullou

Beach Level Information Form Monitoring Point Form Tributary Information Form

Basic Information

Date*:

Time (HH:MM 24-Hour Time)*:

Surveyor*:

Change Header Text Add Field Insert New Group Below Remove Group Move Group Up Move Group Down

Part I - General Beach Conditions

Air Temperature:

Air Temperature Units:

Wind Speed (mph):

Wind Direction (° From N):

Hours Since Last Rain Event:

Rainfall Intensity:

Cancel Import A Previous Year Import 2011 Default Import From Another Beach Save

Accessibility FOIA Privacy Policies and Notices

Contact an Administrator: glri_beach_help@usgs.gov
U.S. Department of the Interior | U.S. Geological Survey
Page Last modified: 05/02/2011 11:44:42

http://www.usgs.gov/ Local intranet 100%

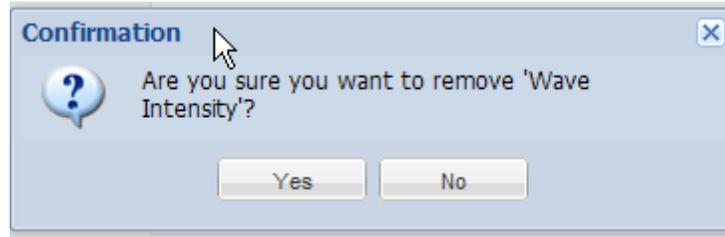
6. Fields may be removed by clicking the 'X' button **above** the field name.

Figure 5. Example of how to remove a field from the form



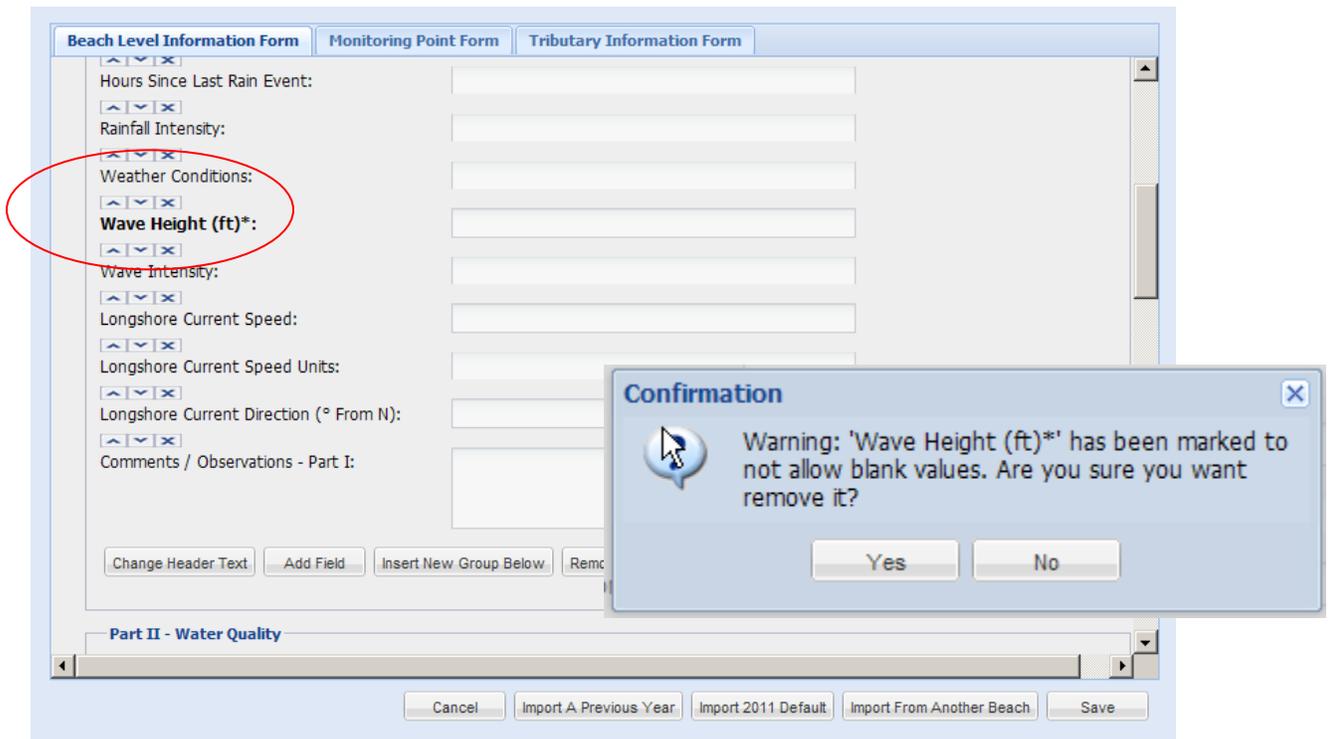
7. You will be prompted to confirm that you want to remove the field.

Figure 6. Example of confirmation request pop-up



8. You will not be allowed to remove the 'Date', 'Time' or 'Surveyor' fields on the beach form because they are required to unique identify the record.
9. You will also be given a warning if you try to remove a field that is recommended to be required (fields that are bolded are recommended to be required).

Figure 7. Example of warning when trying to remove recommended fields



10. Fields may be reordered by clicking the 'V' or '^' buttons **above** the field name, which will move the field down or up one position respectively. (Note: You can't move fields between groups with the 'V' or '^' buttons)

Figure 8. Example of how to re-order fields in the form



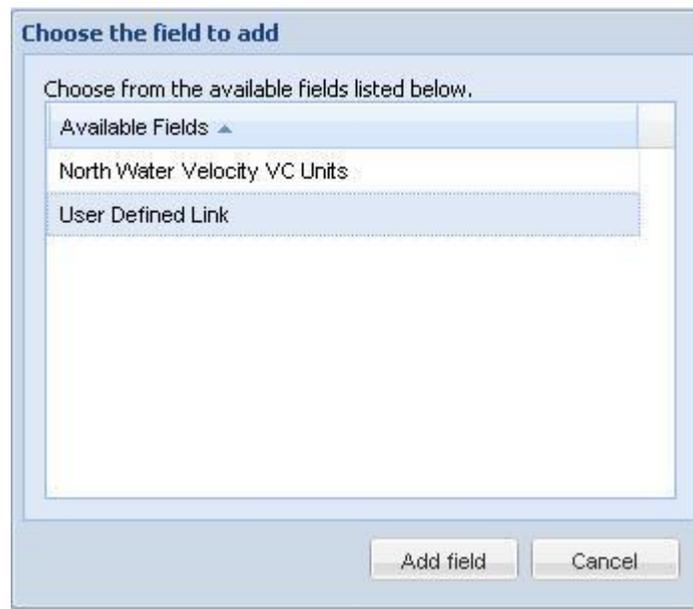
11. To add a field click the 'Add Field' at the bottom of the section of the form you are editing.

12. You may then choose one or more fields by either holding down 'Shift' and select consecutive fields or by holding 'Ctrl' and selecting individual fields.
13. Click 'Add Field'.
14. You may only add a field that is not already on the form at that level (beach, monitoring point, or tributary). If a field is not listed then it may already be on the form in a different section. Some fields are only available at the beach, monitoring point, or tributary level but not at all levels.
15. Save the change by clicking the 'Save' button

ADDING CUSTOM URL'S TO A FORM

1. Add a field as described in the previous section and then choose the 'User Defined Link', then type the URL that you would like to display on the form in the text field

Figure 9. Screen shot of 'Add Fields' window



2. You may add as many of these fields throughout the application as necessary

Figure 10. Example of adding a link to be displayed on the form at the time of data entry



3. As always, when you are finished adding a field hit the 'Save' button in the lower right-hand corner
4. When a user is entering data in the form, they may launch the web page by right-clicking on the link and selecting 'Open Link in New Tab'

Figure 11. Example of how to launch the URL in a new tab or window



REGROUPING FIELDS IN A FORM

1. The fields in the default form are separated into groups (Basic Information, General Beach Conditions, Water Quality, Bather Load, Potential Pollution Sources), but you can create your own grouping structure
2. You can rename a group by clicking the 'Change Header Text' button at the bottom of the section and then entering in the new name and clicking 'Change'

Figure 12. Change Header Text button

A screenshot of a web form titled "Beach Level Information Form". The form is divided into three tabs: "Beach Level Information Form", "Monitoring Point Form", and "Tributary Information Form". The "Beach Level Information Form" tab is active. The form contains several input fields with labels: "Hours Since Last Rain Event:", "Rainfall Intensity:", "Weather Conditions:", "Wave Height (ft)*:", "Wave Intensity:", "Longshore Current Speed:", "Longshore Current Speed Units:", "Longshore Current Direction (° From N):", and "Comments / Observations - Part I:". Below the input fields, there is a row of buttons: "Change Header Text", "Add Field", "Insert New Group Below", "Remove Group", "Move Group Up", and "Move Group Down". The "Change Header Text" button is circled in red. At the bottom of the form, there is a section titled "Part II - Water Quality" and a row of buttons: "Cancel", "Import A Previous Year", "Import 2011 Default", "Import From Another Beach", and "Save".

3. You can remove a whole group by clicking the 'Remove Group' button after confirmation (Note: You will not be allowed to remove a group in the beach form that contains the 'Date', 'Time' or 'Surveyor' fields)

Figure 13. Remove Group button

The screenshot shows a software interface with three tabs: 'Beach Level Information Form', 'Monitoring Point Form', and 'Tributary Information Form'. The 'Beach Level Information Form' is active. It contains several input fields with expand/collapse icons: 'Hours Since Last Rain Event', 'Rainfall Intensity', 'Weather Conditions', 'Wave Height (ft)*', 'Wave Intensity', 'Longshore Current Speed', 'Longshore Current Speed Units', and 'Longshore Current Direction (° From N)'. Below these fields is a 'Comments / Observations - Part I' text area. At the bottom of the form, there is a row of buttons: 'Change Header Text', 'Add Field', 'Insert New Group Below', 'Remove Group', 'Move Group Up', and 'Move Group Down'. The 'Remove Group' button is circled in red. At the very bottom of the window, there are additional buttons: 'Cancel', 'Import A Previous Year', 'Import 2011 Default', 'Import From Another Beach', and 'Save'.

4. You can create a new group of fields in a form by clicking the 'Insert New Group Below' button, typing the new group name into the text box and then clicking 'Add Group'

Figure 14. Insert New Group Below button

This screenshot is identical to Figure 13, showing the same software interface. However, in this image, the 'Insert New Group Below' button in the bottom row of the form is circled in red, instead of the 'Remove Group' button.

5. If you want to re-group the fields in a form it is easiest to delete the existing groups, create new groups, and then add the fields back into those groups. (Note: You have to delete a field from the form before you can add it to a new group. You can't move fields between groups with the 'V' or 'A' buttons)
6. You can reorder the groups by clicking the 'Move Group Up' or 'Move Group Down' button, which will move the group up or down one position respectively (Note: You can't move groups between levels on the form, for example you can't move a group from the beach level to the tributary level)
7. Clicking the 'Save' button to save your changes

FIELDS AT DIFFERENT LEVELS ON THE FORM

1. When sampling beaches with multiple monitoring points, you can decide which fields you want to be on the beach level and which fields you want on the monitoring point level.
2. If you have a single monitoring point, you can have all the fields at the beach level (you will still have a monitoring point tab on your form) or you can have all the data at the monitoring point level except Date, Time, and Surveyor.
3. You can have fields at both the beach and monitoring level (this may be useful if you take a sample at several monitoring points and then also record a composite value for the three samples at the beach level)

RESTORING A DEFAULT FORM

1. If you previously edited a form and you would like to restore the default form from that year, choose the beach from the drop down list that you want to set-up a custom form for
2. Then click the 'Edit/Create Sanitation Form for 2011' button
3. Then click the 'Import 2011 Default' Button on the bottom right corner of the page
4. Then save the change by clicking the 'Save' button

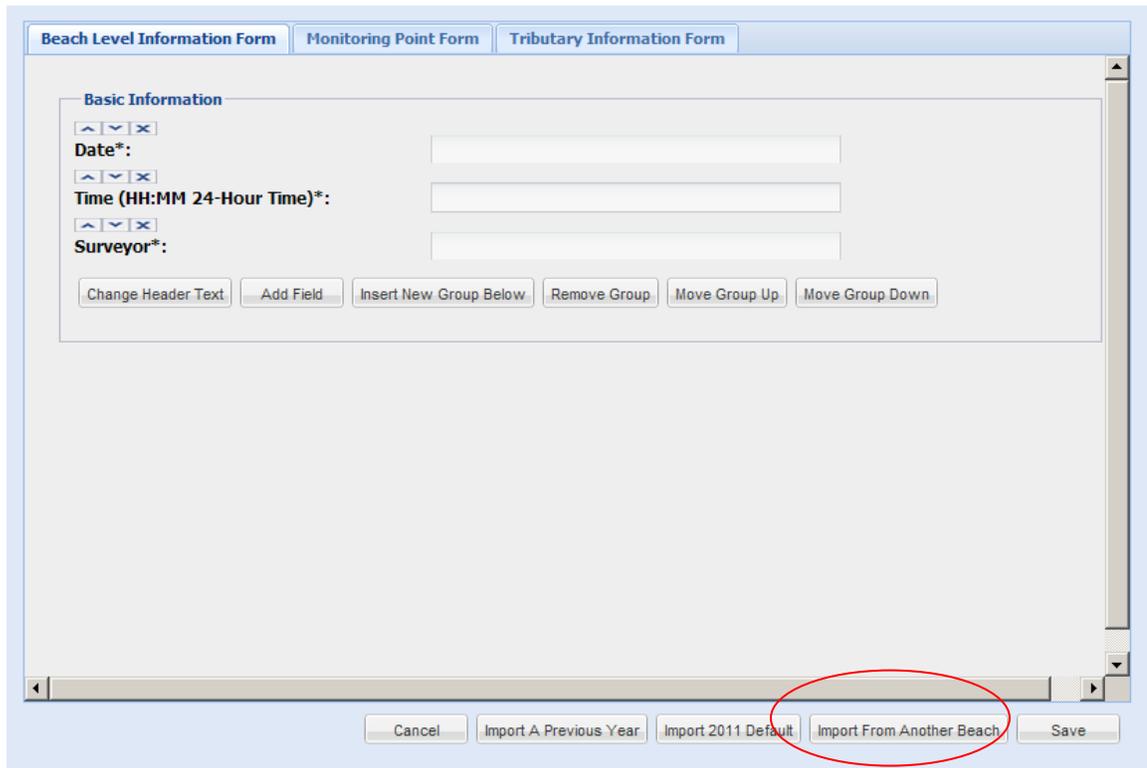
Figure 15. Import default form button for current beach sampling season

The screenshot shows a web application interface with three tabs: "Beach Level Information Form", "Monitoring Point Form", and "Tributary Information Form". The "Beach Level Information Form" is selected and displays a "Basic Information" section. This section contains three input fields: "Date*", "Time (HH:MM 24-Hour Time)*", and "Surveyor*", each with a small icon to its left. Below these fields are six buttons: "Change Header Text", "Add Field", "Insert New Group Below", "Remove Group", "Move Group Up", and "Move Group Down". At the bottom of the form, there are five buttons: "Cancel", "Import A Previous Year", "Import 2011 Default", "Import From Another Beach", and "Save". The "Import 2011 Default" button is circled in red.

IMPORTING A FORM FROM ANOTHER BEACH

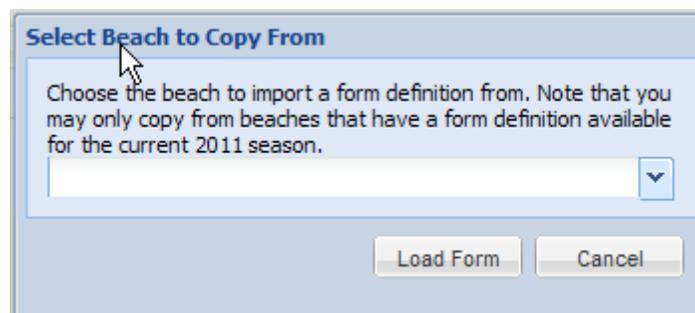
1. If you would like to import the custom form from another beach, choose the beach from the drop down list that you want to set-up a custom form for
2. Then click the 'Edit/Create Sanitation Form for 2011' button
3. The click the 'Import From Another Beach' Button on the bottom right corner of the page

Figure 16. Import form from another beach button



4. Choose the beach in the drop down menu that you want to import from

Figure 17. Beach form selection window



5. Then click the 'Load Form' Button
6. Then save the change by clicking the 'Save' button

IMPORTING A FORM FROM A PREVIOUS MONITORING SEASON

1. If you would like to import the custom form from another beach, choose the beach from the drop down list that you want to set-up a custom form for
2. Then click the 'Edit/Create Sanitation Form for 2011' button

3. The click the 'Import A Previous Year' Button on the bottom right corner of the page

Figure 18. Import form from previous year button

The screenshot shows a web application window with three tabs: 'Beach Level Information Form', 'Monitoring Point Form', and 'Tributary Information Form'. The 'Beach Level Information Form' tab is selected. The form contains a 'Basic Information' section with three text input fields: 'Date*', 'Time (HH:MM 24-Hour Time)*', and 'Surveyor*'. Below these fields are several buttons: 'Change Header Text', 'Add Field', 'Insert New Group Below', 'Remove Group', 'Move Group Up', and 'Move Group Down'. At the bottom of the form, there is a row of buttons: 'Cancel', 'Import A Previous Year', 'Import 2011 Default', 'Import From Another Beach', and 'Save'. The 'Import A Previous Year' button is circled in red.

4. Choose the year in the drop down menu that you want to import the form from
5. Then click the 'Load Form' Button
6. Then save the change by clicking the 'Save' button

NOTES FOR CREATING A CUSTOM FORM

- **The application does not support the back and forward button on the browser, so you may risk losing your changes to the form if you click the back or forward buttons**
- When you are done editing a form click 'Save' at the bottom right corner of the page, and you will be redirected to the home page
- If you click 'Cancel' before saving the form will not be saved and you will be redirected to the home page
- If you need to Add fields that aren't currently in the default form, contact an administrator (glri_beach_help@usgs.gov)
- If you change a form for a beach, that form will appear anytime the form is edited for that beach or anytime data is entered for that beach regardless of which user is currently accessing the form
- Any user with access to a beach has full access to edit a form as well as access to enter data for that beach, so keep this in mind if one person will be setting up the form and others will only be trained to enter the data

- When importing a form from a previous year, the 2011 default form is the same as the 2010 form so 2010 is not listed as a previous year option. If you would like to use the same form as 2010, please use the default form for 2011.

HOW TO ENTER, REVIEW AND EDIT BEACH SANITATION DATA

HOW TO ENTER DATA

1. Choose the beach name in the drop down list on the home page for which you want to enter data
2. Click the 'Enter Sanitation Data' button
3. The current form saved for the beach will be displayed

Figure 19. Data input (partial form) screenshot

USGS - Wisconsin GL Beaches Sanitary Survey - TEST BEACH2 Logout [mccullou](#)

Beach Level Information **Monitoring Point Information - TEST SITE2** Tributary Information - TEST TRIB4

Basic Information

Date*:

Time (HH:MM 24-Hour Time)*:

Surveyor*:

Part I - General Beach Conditions

Specific Conductance (µS/cm):

Air Temperature:

Air Temperature Units:

Wind Speed (mph):

Wind Direction (° From N):

Hours Since Last Rain Event:

Rainfall Measurement:

Rainfall Units:

Rainfall Intensity:

Description of Current Rain Event:

Cancel Reset Submit

4. Enter the data into the fields on the form by either typing free form into a text box or choosing an option from a drop down menu or clicking a check-box depending on the field
5. When you are done entering data, click the 'Submit' button in the lower right hand corner of the page to save your data
6. You will be warned if any of the required fields (Date, Time, and Surveyor) are missing data

Figure 20. Missing required fields screenshot

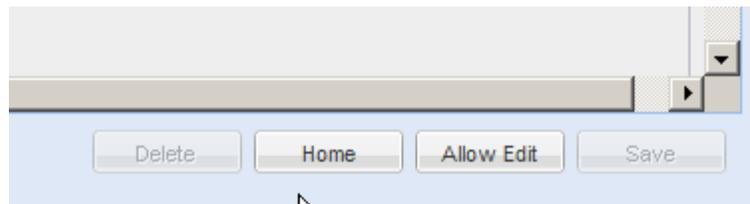


7. Required fields will be outlined in red.
8. If you want to clear the form, click the 'Reset' button
9. If you cancel after you have entered data, you will be warned that the data will be lost and will then be returned to the home page. The data will then be lost.

HOW TO REVIEW, EDIT AND DELETE AN ENTRY

1. After an entry has been saved, it will appear under 'Your History' on the homepage, which will only display your entries and not other peoples entries for beaches with joint access
2. Click the 'Review this entry' link to the right of the entry you want to view
3. You will be taken to the form, where you can review your entries
4. If you want to edit the form, you have to click the 'Allow Edit' button, otherwise the 'Home' button will take you back to the home page

Figure 21. Review screen button options



5. If you clicked 'Allow Edit' your data will record will reopen in the input form. Note: If you entered data and then modified the format of your form, any fields you removed will no longer be available for editing.

Figure 22. Allow edit button

The screenshot shows a web application interface with three tabs at the top: 'Beach Level Information', 'Monitoring Point Information - TESTING SITE #1', and 'Monitoring Point Information - TESTING SITE #2'. The main content area is divided into two sections. The first section, 'Basic Information', contains three input fields: 'Date*' with the value '28-Jan-2011', 'Time (HH:MM 24-Hour Time)*' with the value '12:00', and 'Surveyor*' with the value 'DMSIBLEY'. The second section, 'Part I - General Beach Conditions', contains eight input fields: 'Specific Conductance (µS/cm)', 'Air Temperature', 'Air Temperature Units', 'Wind Speed (mph)', 'Wind Direction (° From N)', 'Hours Since Last Rain Event', 'Rainfall Measurement', 'Rainfall Units', and 'Rainfall Intensity'. At the bottom right of the form, there are four buttons: 'Delete', 'Home', 'Allow Edit', and 'Save'. The 'Allow Edit' button is circled in red.

6. Enter you changes.
7. When you are done editing data, click the 'Save' button in the lower right hand corner of the page to save your data
8. You may also click the 'Delete' button, which will delete the entry in its entirety. **Note: If you delete an entry it can not be recovered, and will be deleted permanently.**

NOTES FOR ENTERING, REVIEWING AND EDITING DATA

- **The application does not support the back and forward button on the browser, so you may risk losing your changes to the form if you click the back or forward buttons**
- Deleted entries cannot be recovered.
- If you have question regarding data collection and reporting, please contact your program coordinator or Steve Corsi (srcorsi@usgs.gov)
- If you have technical questions or issue entering, reviewing or editing data, please contact glri_beach_help@usgs.gov

HOW TO EXPORT DATA

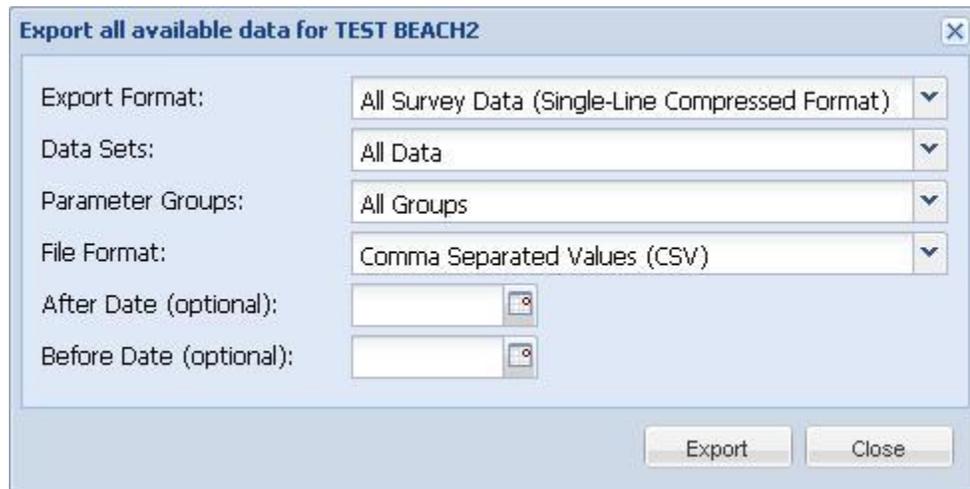
HOW TO EXPORT DATA FOR A BEACH

1. Log in using your username and password.
2. If you have forgotten your password or the username, contact an administrator (glri_beach_help@usgs.gov).
3. Choose a beach from the drop down list you want to export data from.

NOTE: Not all beaches have data collected for them. If your output does not have entries, the beach does not have collected data.

4. Click on "Export Data."
5. A new window will appear with options for "Export Format," "Data Sets," "Parameter Groups," "File Format," "After Date (optional)," and "Before Date (optional)."

Figure 23. Export data pop-up screenshot



Export all available data for TEST BEACH2

Export Format: All Survey Data (Single-Line Compressed Format) ▼

Data Sets: All Data ▼

Parameter Groups: All Groups ▼

File Format: Comma Separated Values (CSV) ▼

After Date (optional): 

Before Date (optional): 

Export Close

6. "Export Format" gives the following options:
7. "All Survey Data (Single-Line Compressed Format)"
 - 7.1. Gives all requested fields for each beach, monitoring point and tributary survey in a single row. There will be a section of 'Beach' survey data, followed by a section for each associated 'Monitoring Point' (e.g. if there are 2 monitoring points associated with a beach, there will be two sections of monitoring data). The monitoring point section(s) will then be followed by respective number of 'Tributary' sections similar to the 'Monitoring Point' sections. The columns are labeled as follows sectionName_(beach, mp, or trib)Name_parameterName

Figure 24. Schematic of the format of the 'wide export'

beachid	surveyid	surveyDatetime	beach_parameter1	beach_parameter2	...
12	123	6/1/2011	12.5	1	...
12	124	6/2/2011	85.9	5	...

mon_monName1_parameter1	mon_monName1_parameter2	mon_monName2_parameter1	mon_monName2_parameter2	...	trib_tribName1_parameter1	trib_tribName1_parameter2	trib_tribName2_parameter1	trib_tribName2_parameter2	...
8.2	5	9.4	0	...	3.2	3	8.5	1	...
8.7	2	11.1	4	...	19.5	2	1.3	4	...

8. "All Survey Data (Parameter-Value Format)"

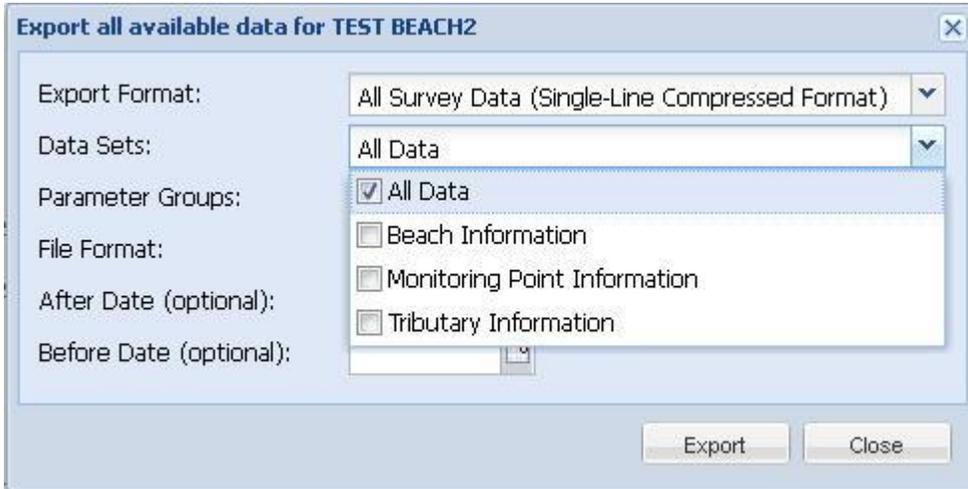
8.1. Gives all requested data in the long format, meaning that there is one row for each parameter and its value. Other descriptive information is provided: beached - unique beach id, surveyed - unique survey id, surveyDatetime - the date and time that the survey was completed, beachName - name of the associated beach, lake - name of the lake, county - name of the county that the beach is in, state - name of the state that the beach is in, siteType - form type that the parameter was collected for (i.e BEACH, MON or TRIB), and siteIdentifier - unique id of the respective beach, monitoring point or tributary that the parameter was measured for.

Figure 25. Schematic of the format of the 'long export'

beach_id	surveyid	survey_dateTime	beachName	lake	state	county	siteType	siteIdentifier	parameter	value
12	123	6/1/2011	beachName	Michigan	WI	Racine	BEACH	beachName	parameter1	12.5
12	123	6/1/2011	beachName	Michigan	WI	Racine	BEACH	beachName	parameter2	1
12	123	6/1/2011	beachName	Michigan	WI	Racine	MON	monName1	parameter1	8.2
12	123	6/1/2011	beachName	Michigan	WI	Racine	MON	monName1	parameter2	5
12	123	6/1/2011	beachName	Michigan	WI	Dane	MON	monName2	parameter1	9.4
12	123	6/1/2011	beachName	Michigan	WI	Racine	MON	monName2	parameter2	0
12	123	6/1/2011	beachName	Michigan	WI	Racine	MON	tribName1	parameter1	3.2
12	123	6/1/2011	beachName	Michigan	WI	Racine	MON	tribName1	parameter2	3
12	123	6/1/2011	beachName	Michigan	WI	Dane	MON	tribName2	parameter1	8.5
12	123	6/1/2011	beachName	Michigan	WI	Racine	MON	tribName2	parameter2	1

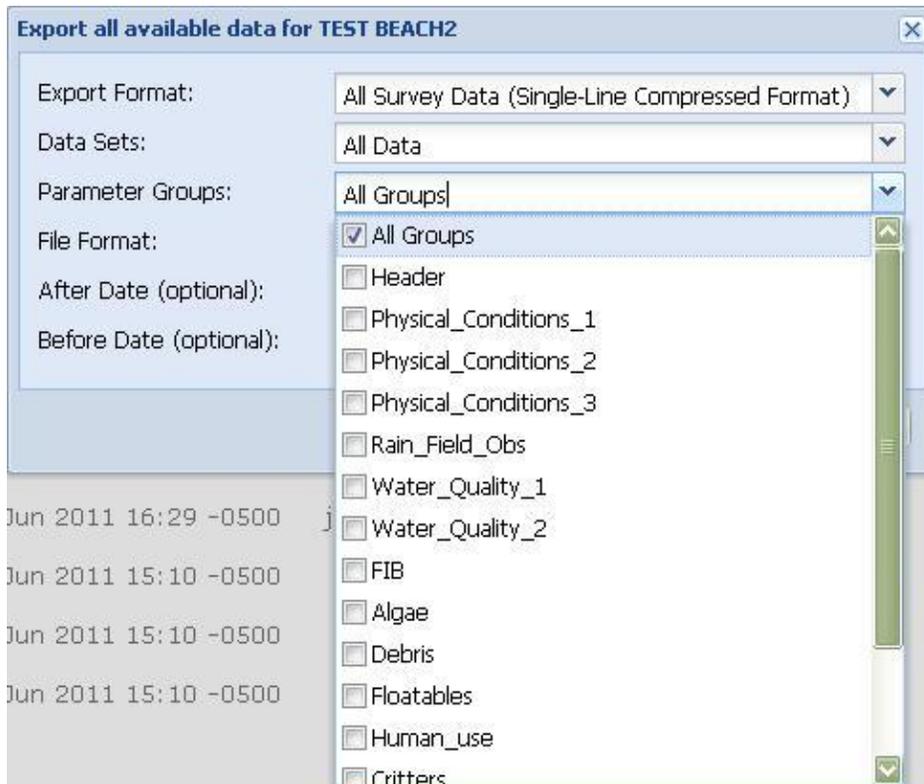
9. "Data Sets" allows export of "All Data," "Beach information," "Monitoring point information," or "Tributary information" (and combinations thereof). With this filter the user may choose to only download certain survey data (i.e. Only beach and tributary data).

Figure 26. Screen shot of options for choosing 'Data Sets' to export



10. "Parameter Groups" allows users to only download certain groups of fields. For example, selecting "Critters" places only fields for animal counts in the exported file.

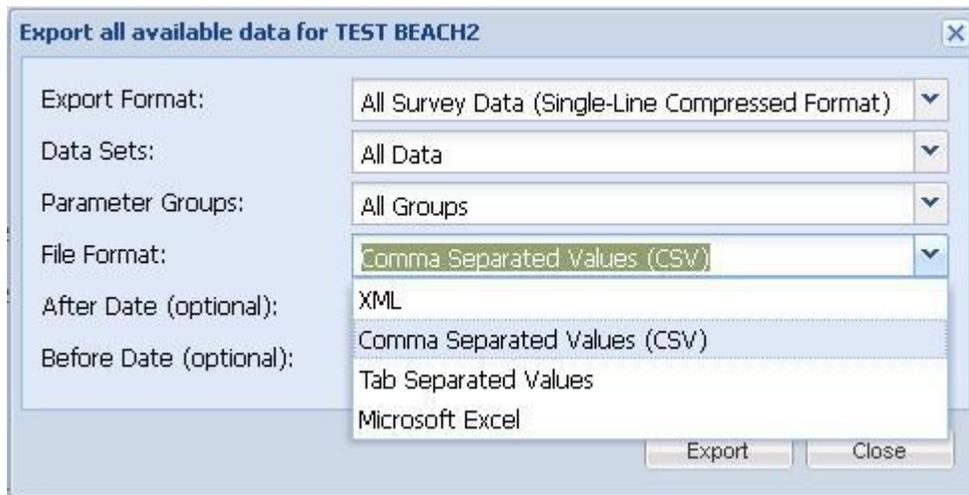
Figure 27. Screen shot of options for choosing 'Parameter Groups' to export



11. The user may also specify the "File Format". The following format options are available for export: (1) Extensible Markup Language (XML), (2) comma separated values (CSV), (3) tab separated values (TSV), and (4) Microsoft Excel (XLS).

NOTE: Please note that some data contained these datasets may contain commas which may be problematic in CSV files

Figure 28. Screen shot of options for specifying the file format



12. "After Date" and "Before Date" allow for export of the information selected in "Data Sets" within a desired timeframe.

NOTE: The data can be typed in 'mm/dd/yyyy' format or selected from the calendar

13. Click "Export" to download the desired information.

NOTE: Please be advised that Oracle has a limit of 250 columns. If the information requested spans more than 250 fields in total, none of the information will be present and the following error message will be present in the output: "Runtime Exception Too many columns were found, refine your search." If you want all data associated with a beach, but encounter this error, it may be necessary to export the data separately as beach, monitoring point, and tributary information rather than as "All Data". You may also choose to download only certain groups of data using the "Parameter Groups" filter.

HOW TO RUN BEACH MODELS

HOW TO RUN A MODEL FOR A BEACH

1. To run a model, click the 'Review this entry / Execute model' from the 'Your History' or 'Review All' tab

Figure 29. Screen shot of link to click to get to review / model running page

Beach	Survey Date	Entered By	Last Updated	Last Updated By	
Hika Park Bay	Thu, 24 May 2012 10:34	jlucido	Thu, 24 May 2012 10:53 -0500	jlucido	Review this entry/Execute model
Hika Park Bay	Wed, 9 May 2012 13:20	mbucknel	Wed, 9 May 2012 13:21 -0500		Review this entry/Execute model
Hika Park Bay	Tue, 8 Mar 2011 15:00	carvin	Tue, 8 Mar 2011 14:58 -0600	carvin	Review this entry/Execute model

2. Once the survey record has been opened, click the “Execute Model’ button on the bottom right hand corner of the screen.

Figure 30. Screen shot of 'Execute Model' button

Beach: Mon. Pt. - Hika Park Bay (for EPA) | Mon. Pt. - Left 12" | Mon. Pt. - Left 24" | Mon. Pt. - Left 48" | Mon. Pt. - Swashzone Center

Basic Information

Date*: 24-May-2012
Time (HH:MM 24-Hour Time)*: 10:34
Surveyor*: jlucido

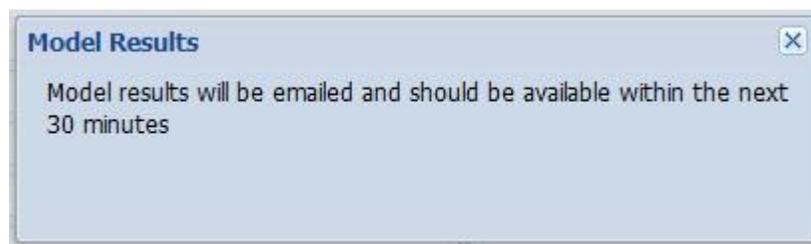
Part I - General Beach Conditions

Air Temperature:
Air Temperature Units:
Wind Speed:
Wind Direction (° From N):
Hours Since Last Rain Event:
Rainfall Intensity:

Buttons: Delete, Home, Allow Edit, **Execute Model**, Save

3. If a model is defined for this beach and the data required to run the model has been entered then you will get a success message and you will receive an e-mail once the model has been run successfully. See Figure 34 for an explanation of the model results e-mail.

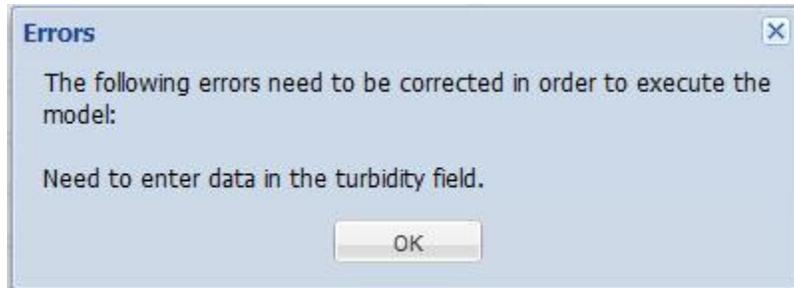
Figure 31. Screen shot of model execution success message



4. If the survey is missing data that is required to run the model, you will get an error message that lists the fields that need to be filled in for the model to be run. If the missing data is on a

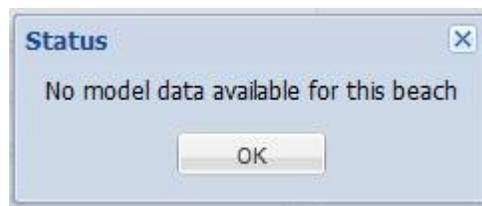
tributary or monitoring point form, then you will also be given the id for the respective tributary or monitoring point. Once the required data has been entered repeat steps 1 and 2.

Figure 32. Screen shot of missing data error



5. If there is no model defined for a beach you will be given an error message.

Figure 33. Screen shot of missing model definition error



BEACH MODEL NOTES

- Models may only be run for beaches that have models defined
- Model definitions may only be added by system administrators at this point. If you would like to define a model for a beach send an e-mail to glri_beach_help@usgs.gov
- Models may only be run in conjunction with a monitoring day, where a survey has been submitted
- Ancillary data gathering, assimilation and model running is done through a tool called Environmental Data Discovery and Transformation (EnDDaT). More Information about this tool may be found at <https://cida.usgs.gov/enddat/>

INTERPRETING THE E-MAIL MESSAGES THAT CONTAIN THE PREDICTIVE MODELING RESULTS

Figure 34. Description of each component included in the email messages that are sent after each execution of the predictive modeling system for beach water quality

