

WQX Web V.2.0 Tutorial 5

Uploading Results and Working with Errors



United States Environmental Protection Agency
Office of Water
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Table of Contents

WQX Web Tutorial 5: Uploading Results and Working with Errors.....	3
Tutorial System Requirements.....	3
Getting Started with WQX Web.....	5
Viewing Sample Results Data Text Files.....	6
Inserting a Sample Collection Method into WQX Web.....	7
Copying a Results Import Configuration.....	9
Loading Data Text Files into WQX Web.....	12
Fixing Validation Errors.....	15
Understanding the Errors in your Original Data.....	23
Reimporting your Corrected File.....	30
Viewing Report Errors.....	32
Troubleshooting.....	36
Summary.....	36



United States Environmental Protection Agency
Office of Water
1200 Pennsylvania Avenue, NW
Washington, DC 20460

WQX Web Tutorial 5: Uploading Results and Working with Errors

It is important to note that you must load your Project and Monitoring Location information prior to loading any monitoring results data. Project and Monitoring Location descriptions will only need to be entered once, and only need to be reloaded to modify existing information.

Water Quality Exchange (WQX)/ STORET

The Water Quality Exchange (WQX) is a mechanism for transferring data to, and extracting data from the U.S. Environmental Protection Agency's (EPA's) STOrage and RETrieval (STORET) Data Warehouse. WQX uses computers as connection points or *nodes* to communicate through EPA's National Environmental Information Exchange Network (NEIEN). Monitoring data files must be formatted in Extensible Markup Language (XML), to be submitted through WQX. XML encompasses a flexible text format for organizing and creating structured computer documents. Prior to import to the WQX/ STORET data warehouse, data files must pass through the Central Data exchange (CDX), a doorway which authorizes submissions. Setting up an NEIEN node to submit XML files can be financially unfeasible and technically challenging for smaller groups. Organizations that are unable to generate XML script on their own can still submit data to CDX with the assistance of WQX Web, a tool that converts formatted text files into XML script (**Figure 1**).

The design of WQX Web allows users to monitor the status of their data files throughout the submission process. Upon import, WQX Web performs an inquiry of submitted data files, checks their formatting and organization against the established WQX structure, or schema (**Figure 2**). The WQX Web inquiry assesses inconsistencies between the submitted data and established domain values in the STORET system producing a dataset summary page, detailing errors and successful submissions of files. For a more extensive discussion on submitting data files through WQX Web, please refer to the following URL http://www.epa.gov/storet/wqx/products/WQX_Web_User_Guide_v2.0.pdf.

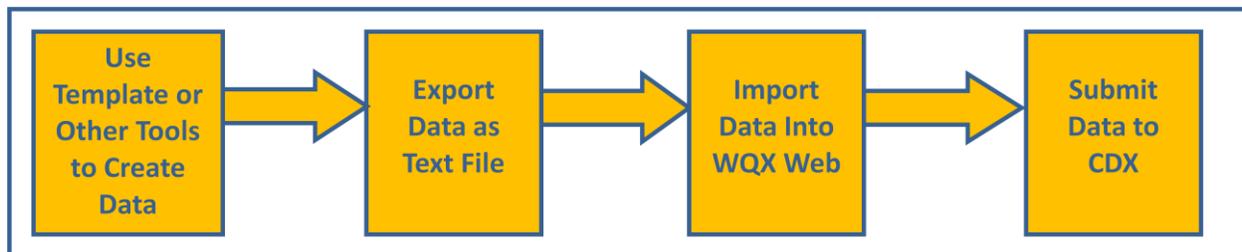


Figure 1. Flow chart outlining the general process for using WQX Web to submit data to the STORET Data Warehouse

Tutorial System Requirements

1. Internet access and a Web browser, such as Microsoft Internet Explorer 7 (IE7) or Firefox
2. Pop-up blockers turned off for this site
3. CDX account

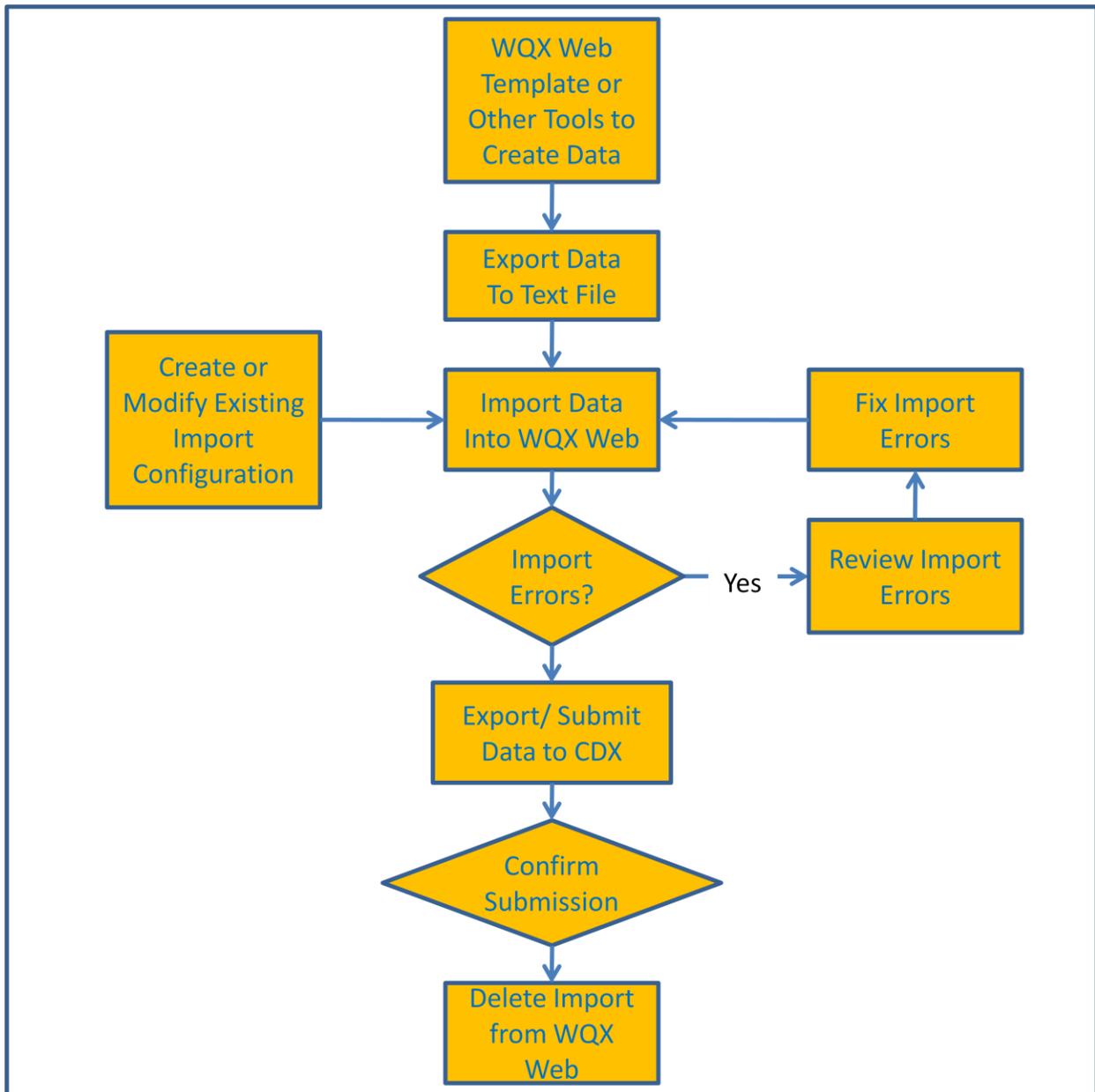


Figure 2. Flow chart outlining the general process for preparing monitoring, project or results data for submission and troubleshooting potential errors through the Central Data Exchange via WQX Web

Getting Started with WQX Web

Monitoring data submitted through WQX Web to the STORET Warehouse requires specific fields and formatting for parameters such as Monitoring Locations, methods and project identification (for a brief overview of using WQX Web, view the WQX Web cheat sheet accessible at the following URL: http://www.epa.gov/storet/wqx/products/WQX%20Web%20Cheat%20Sheet_030210.pdf).

The WQX Web tool may be used in a ‘Demo’ mode, which allows users to practice submitting data to an assigned test organization. The WQX Web Demo environment is purely for training, and any data submitted within this environment is not placed in the STORET Warehouse. New users to WQX Web can contact the STORET Helpdesk (Storet@epa.gov) to obtain a username and password for the WQX Web Demo environment. Users also contact the STORET Helpdesk to obtain a real username and password for submitting data all the way to the STORET Warehouse.

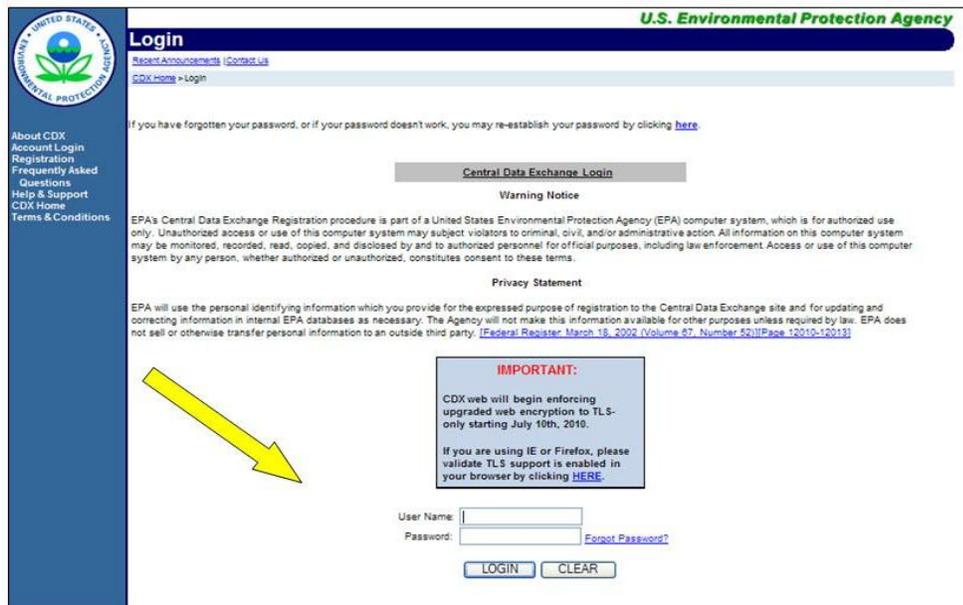
Open up your web browser and enter in the URL

http://www.epa.gov/storet/wqx/wqxweb_downloads.html. Download the WQX Web Excel (.xls) data template, and provided data files by selecting the link labeled **WQX Web Tutorials and Example Data Files**. When using Microsoft Excel 2007, or a later version of Microsoft Excel, files will need to be saved in a macro enabled workbook format (.xlsm). The downloaded materials are for users to start with in importing actual monitoring data into WQX Web.

To access the CDX Website, open your web browser and enter in the URL

<https://cdx.epa.gov/SSL/cdx/login.asp>. Enter your training user name (i.e. wqxwebtraining1) and password into the “User Name” and “Password” fields (for information on registering for CDX/ WQX

Web enter the following URL into your web browser <http://www.epa.gov/storet/wqx/wqxweb.html>).



U.S. Environmental Protection Agency

Login

[About/Announcements](#) | [Contact Us](#)
[CDX Home](#) > Login

If you have forgotten your password, or if your password doesn't work, you may re-establish your password by clicking [here](#).

Central Data Exchange Login

Warning Notice

EPA's Central Data Exchange Registration procedure is part of a United States Environmental Protection Agency (EPA) computer system, which is for authorized use only. Unauthorized access or use of this computer system may subject violators to criminal, civil, and/or administrative action. All information on this computer system may be monitored, recorded, read, copied, and disclosed by and to authorized personnel for official purposes, including law enforcement. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms.

Privacy Statement

EPA will use the personal identifying information which you provide for the expressed purpose of registration to the Central Data Exchange site and for updating and correcting information in internal EPA databases as necessary. The Agency will not make this information available for other purposes unless required by law. EPA does not sell or otherwise transfer personal information to an outside third party. [\[Federal Register March 18, 2002 \(Volume 87, Number 52\)\(Page 12010-12013\)\]](#)

IMPORTANT:

CDX web will begin enforcing upgraded web encryption to TLS-only starting July 10th, 2016.

If you are using IE or Firefox, please validate TLS support is enabled in your browser by clicking [HERE](#).

User Name:

Password: [Forgot Password?](#)

Viewing Sample Results Data Text Files

WQX Web provides users with the functionality to import data and send it to the STORET Data Warehouse. The WQXWeb_Results.txt file was created using the WQX Web template, and exported in a form that can be submitted to WQX Web. Open and examine the results file for this tutorial. In examining the text file, notice that there is a header row, or title row identifying each column, that is tab delimited.

Prior to importing results/ activity data into WQX Web, users must establish Projects, Monitoring Locations and sample collection methods in WQX. Agencies and institutions may have unique sampling methods, therefore it is imperative to define and identify the specific procedures used. Organizations are therefore required to reference sampling ID's, names and contexts (owning organizations of a particular method). The following will provide a brief overview of documenting sampling methods into WQX Web.

Project ID	Monitoring Location ID	Activity ID	Activity Type	Activity Media Name	Activity Start Date	Activity Start Time	Activity Start
SL_MONIT	DWNT0120020801	Field Msr/Obs	water	8/1/2002	8:20:00	MDT	Dissolved oxy
SL_MONIT	DWNT0120020801	Field Msr/Obs	water	8/1/2002	8:20:00	MDT	total dissolv
SL_MONIT	DWNT0120020801	Field Msr/Obs	water	8/1/2002	8:20:00	MDT	pH
SL_MONIT	DWNT0120020801	Field Msr/Obs	water	8/1/2002	8:20:00	MDT	water tempera
SL_MONIT	DWNT0120020801	Field Msr/Obs	water	8/1/2002	8:20:00	MDT	Turbidity
SL_MONIT	DWNT0120010910	Field Msr/Obs	water	9/10/2001	9:48:00	MDT	Total dissolv
SL_MONIT	DWNT0120010910	Field Msr/Obs	water	9/10/2001	9:48:00	MDT	pH
SL_MONIT	DWNT0120010910	Field Msr/Obs	water	9/10/2001	9:48:00	MDT	Salinity
SL_MONIT	DWNT0120010910	Field Msr/Obs	water	9/10/2001	9:48:00	MDT	water tempera
SL_MONIT	DWNT0120011003	Field Msr/Obs	water	10/3/2001	10:03:00	MDT	Disso
SL_MONIT	DWNT0120011003	Field Msr/Obs	water	10/3/2001	10:03:00	MDT	Total
SL_MONIT	DWNT0120011003	Field Msr/Obs	water	10/3/2001	10:03:00	MDT	pH
SL_MONIT	DWNT0120011003	Field Msr/Obs	water	10/3/2001	10:03:00	MDT	Salin
SL_MONIT	DWNT0120010910	Sample-Routine	water	9/10/2001	9:48:00	MDT	water
SL_MONIT	DWNT0120010910	Sample-Routine	water	9/10/2001	9:48:00	MDT	Turbid
SL_MONIT	DWNT0120010910	Sample-Routine	water	9/10/2001	9:48:00	MDT	STNDRD_SCP
SL_MONIT	DWNT0120010910	Sample-Routine	water	9/10/2001	9:48:00	MDT	water Bottle
SL_MONIT	DWNT0120020801	Sample-Routine	water	8/1/2002	8:20:00	MDT	STNDRD_SCP
SL_MONIT	DWNT0120020801	Sample-Routine	water	8/1/2002	8:20:00	MDT	water Bottle
SL_MONIT	DWNT0120020801	Sample-Routine	water	8/1/2002	8:20:00	MDT	STNDRD_SCP
SL_MONIT	DWNT0120020801	Sample-Routine	water	8/1/2002	8:20:00	MDT	water Bottle
SL_MONIT	DWNT0120011003	Sample-Routine	water	10/3/2001	10:03:00	MDT	STNDRD_SCP
SL_MONIT	DWNT0120011003	Sample-Routine	water	10/3/2001	10:03:00	MDT	water Bottle
SL_MONIT	DWNT0120011003	Sample-Routine	water	10/3/2001	10:03:00	MDT	STNDRD_SCP
SL_MONIT	DWNT0120011003	Sample-Routine	water	10/3/2001	10:03:00	MDT	water Bottle

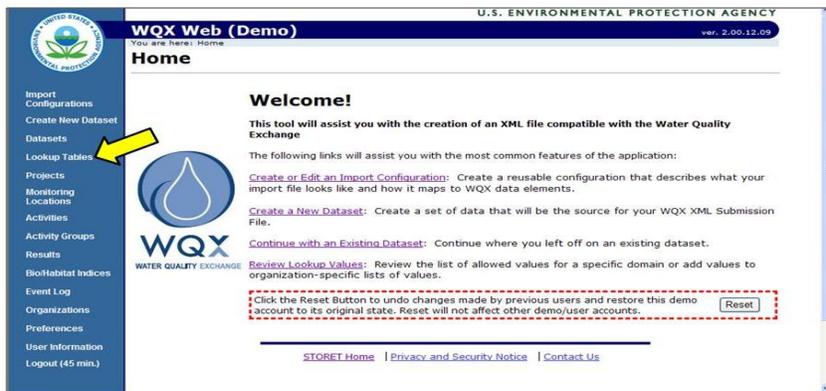
Header Row

Tab Delimiters

Sample Collection Method

Inserting a Sample Collection Method into WQX Web

1. Select the “Lookup Tables” link on the left side of the screen to display a list of Data Elements that are allowable values in the STORET system. Some domains (categories) do allow users to input their own unique values/elements.



2. Scroll through the “Lookup Tables” list to the “SAMPLE COLLECTION METHOD” link. Using the edit links, users can add or delete their values to or from the domain values list. Select the “Edit” link beside “SAMPLE COLLECTION METHOD”, to add a unique Sample Collection Method used by your organization.



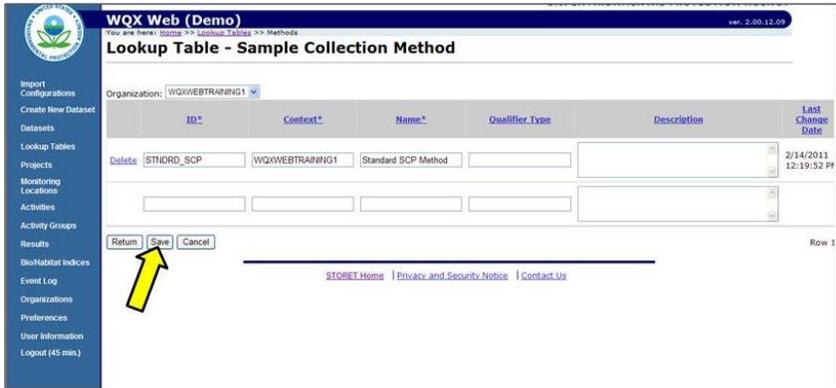
- Choose the name assigned to your organization from the “Organization” dropdown menu. This tutorial will be using the sample name “WQXWEBTRAINING1” however users should use their own unique organization names when actually submitting their data to WQX.

The screenshot shows the WQX Web (Demo) interface for adding a new Sample Collection Method. The page title is "Lookup Table - Sample Collection Method". A message at the top says "Item(s) saved successfully." The "Organization" dropdown menu is highlighted with a yellow arrow and shows "WQXWEBTRAINING1". The form has the following fields:

ID*	Context*	Name*	Qualifier Type	Description	Last Change Date
<input type="text"/>					

At the bottom left, there are buttons for "Return", "Save", and "Cancel". At the bottom center, there are links for "STORET Home", "Privacy and Security Notice", and "Contact Us".

- Open the WQX Web template file provided (**Template_WQX_Web.xls**) and notice that the Sample Collection Method used in the demonstration data is named “STNDRD_SCP”. This unique Sample Collection Method is not documented in the WQX database, and will have to be entered into WQX Web to create a new allowable value. Enter the following information, then click the “Save” link on the bottom left side of the screen to place the newly created method into the allowable values:
 - Under the “ID” (Identifier) header, enter “*STNDRD_SCP*” into the field.
 - Under the “Context” header, enter “*WQXWEBTRAINING1*” into the field. Note that this field is the owner of the method.
 - Under the header “Name”, enter “*Standard SCP Method*” into the field. Under the header “Description”, enter “*Standard Sample Collection Method for Salt Lake County Monitoring*” into the field.
 - Under the header “Qualifier Type”, enter this information if applicable.
 - Select “Save”.** Note: To delete data, select the delete link next to the method that is desired to be removed. Keep track of when files were last updated by viewing the “Last Change Date Column”.



10. Click on the “Home” link at the top of the page to return to the main WQX Web page. The new Sample Collection Method has been successfully added to the allowable values. Now that all of the Sample Collection Methods have been documented, results data can be imported.



Copying a Results Import Configuration

1. Click on the “Import Configurations” link on the left side of the home page.

U.S. ENVIRONMENTAL PROTECTION AGENCY
ver. 2.00.12.09

WQX Web (Demo)
You are here: Home

Home

Welcome!

This tool will assist you with the creation of an XML file compatible with the Water Quality Exchange

The following links will assist you with the most common features of the application:

- [Create or Edit an Import Configuration:](#) Create a reusable configuration that describes what your import file looks like and how it maps to WQX data elements.
- [Create a New Dataset:](#) Create a set of data that will be the source for your WQX XML Submission File.
- [Continue with an Existing Dataset:](#) Continue where you left off on an existing dataset.
- [Review Lookup Values:](#) Review the list of allowed values for a specific domain or add values to organization-specific lists of values.

Click the Reset Button to undo changes made by previous users and restore this demo account to its original state. Reset will not affect other demo/user accounts.

[STORET Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

2. Click on the "Add New" button.

U.S. ENVIRONMENTAL PROTECTION AGENCY
ver. 2.00.12.09

WQX Web (Demo)
You are here: Home >> Import Configurations

Import Configurations

ID	Name	Type	Created By	Valid
1023	IMPORT MONITORING LOCATION	Monitoring Locations	wqxwebtraining1	Yes
1024	IMPORT PROJECTS (wqxtest)	Projects	wqxwebtraining1	Yes
1025	TRAINING IMPORT RESULTS	Activities and Results	wqxwebtraining1	Yes

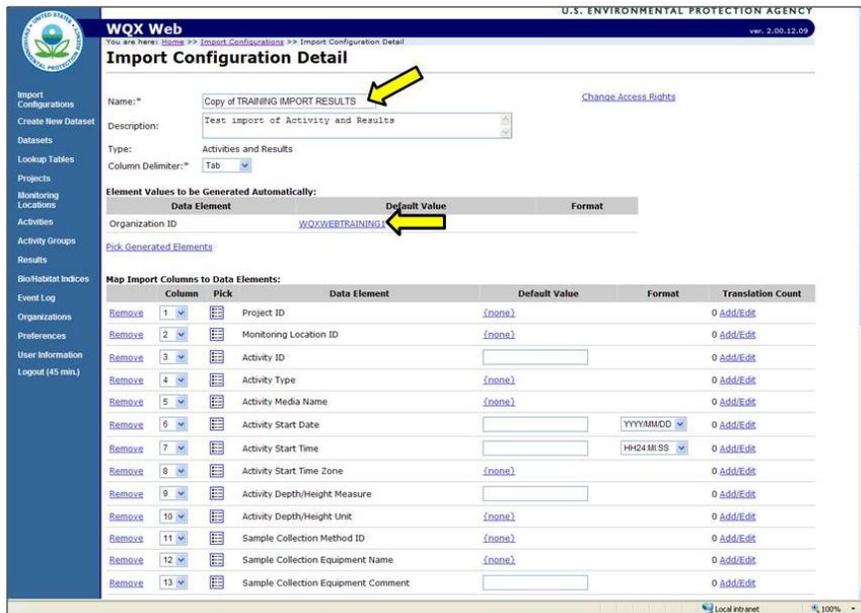
Row 1 - 3 of 3

[STORET Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

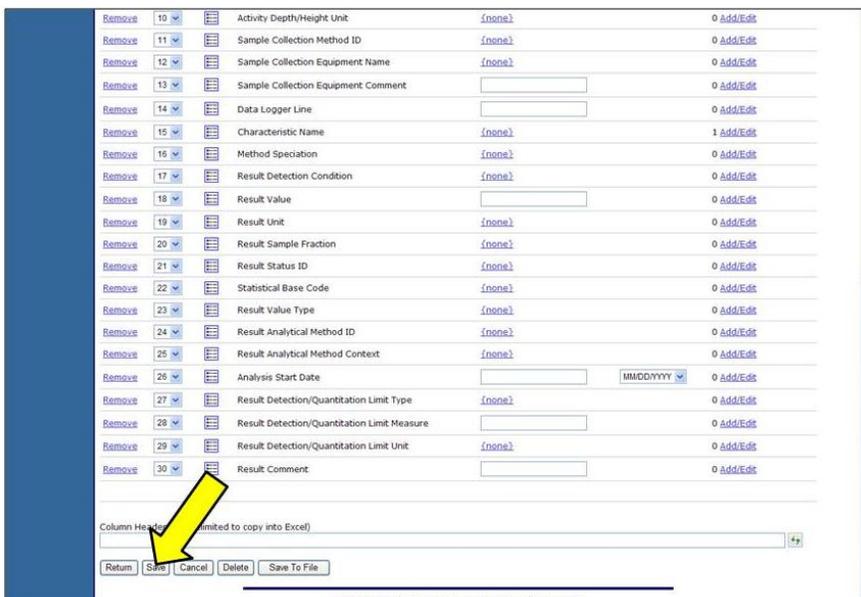
3. Click on the radio button, “by coping an existing one”. Choose “Activities and Results” from the “Import Configuration Type” dropdown menu. It is not necessary to click on the “Copy Translation” check box. Translations made for a user’s dataset may not apply to your data file, in this case there are no translations in the configuration that you are copying. Click on the “Continue” button.



4. Change the name of the Import Configuration to something of your choosing; the name must be different than the original name “TRAINING IMPORT RESULTS”. This tutorial will use “*Copy of TRAINING IMPORT RESULTS*” as the new name. Also, change the “Organization ID” to your assigned Organization ID by clicking on the link associated with the default value. Note that this tutorial will continue to refer to “WQXWEBTRAINING1” for purposes of demonstration.

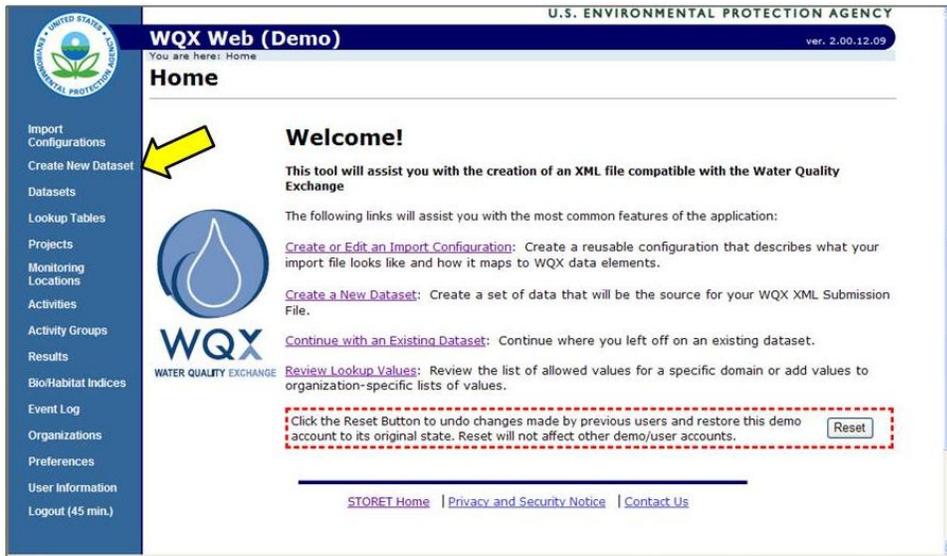


5. Take a few moments to scroll down through the Import Configuration, and notice the different columns that can be set. Do not modify them at this time. Notice that Data Elements can be added, subtracted, and organized based on the how they appear in the text file. This tutorial will later cover modifying Import Configurations to translate values to allowable values in addition to setting default values. Scroll to the bottom of the Import Configuration, click on the “Save” button, and then click on the “Return” button twice

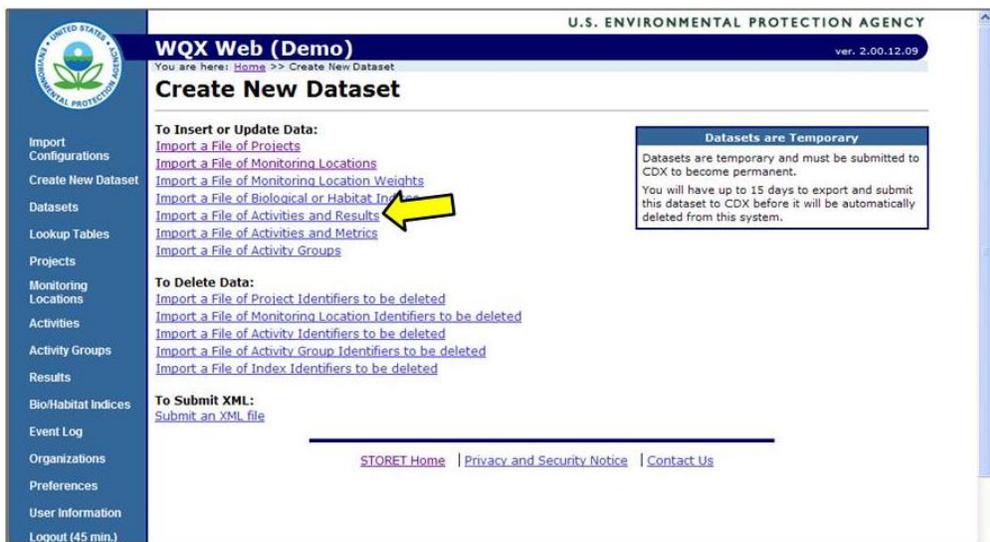


Loading Results Data Text Files into WQX Web

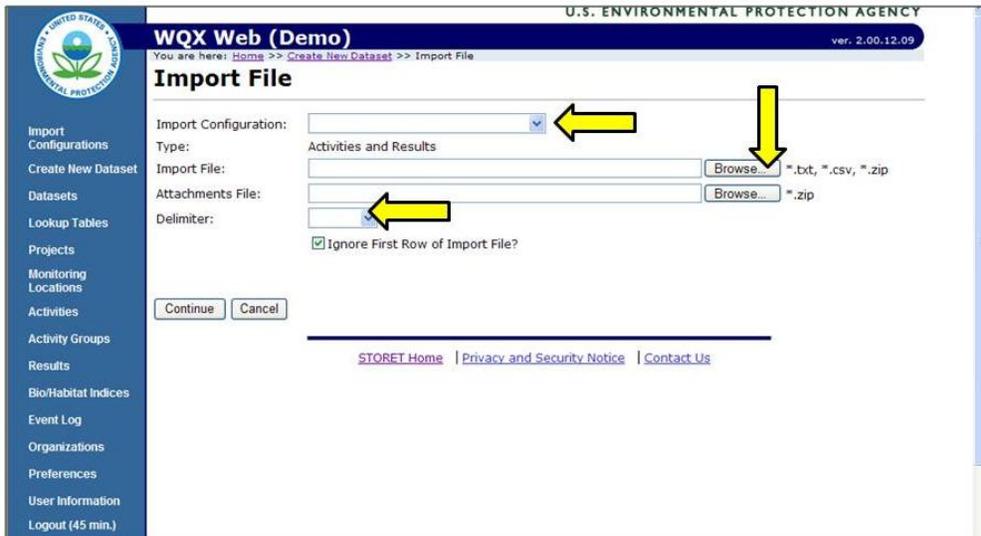
1. Click on the “Create New Dataset” link to begin importing your results data file.



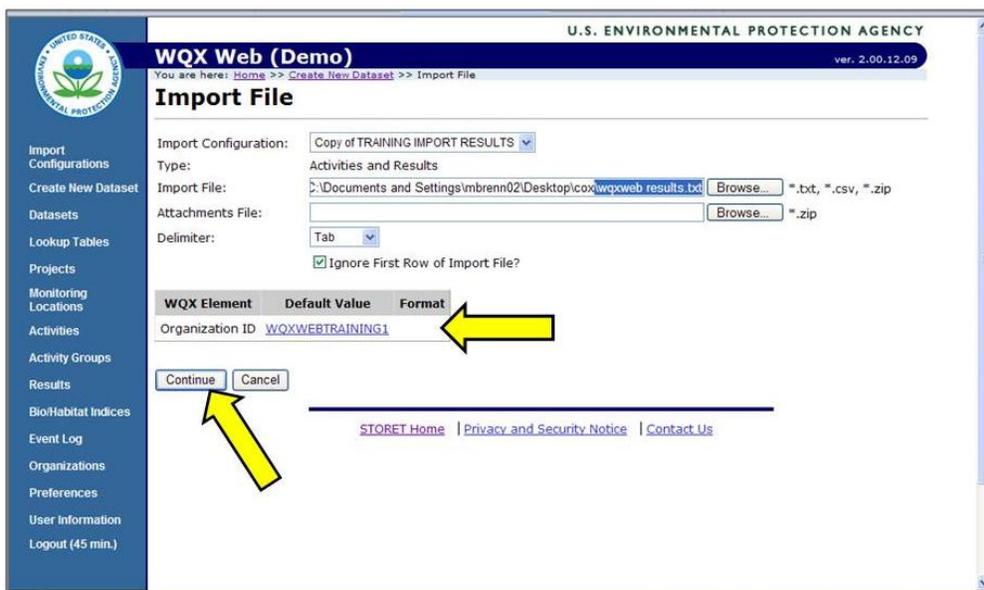
2. Click on the “Import a File of Activities and Results” link under the “To Insert or Update Data” header.



3. Prior to importing your data, ensure that the appropriate Import Configuration, text file to be imported, and delimiter are selected. Use the “Import Configuration” dropdown menu to select “Copy of TRAINING IMPORT RESULTS”. Click on the “Browse” button to choose the desired file to import. Select the text file that contains results data. In this case, choose “WQXWeb_Results.txt”, and then click on the “Open” button.



4. Choose “Tab” from the “Delimiter” dropdown box because the provided sample text file is tab delimited.
5. Since the imported text file contains a header row, it is necessary to tell WQX Web to skip this row when importing the file because it does not contain any real data. Make sure to check the “Ignore First Row of Import File?” check box.
6. Change the Organization ID to WQXWEBTRAINING1.



7. Click on the “Continue” button on the bottom left side of the page.
8. A message box will pop up, notifying that the first line of import will be ignored. Click on the OK button because the provided text file contains a header row.

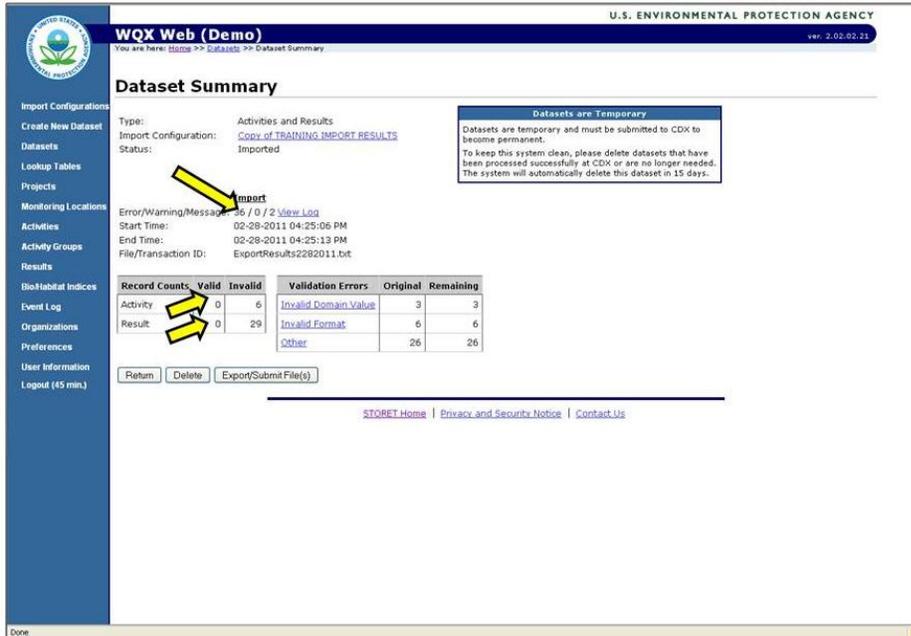
9. If the dataset summary page does not automatically refresh, click on the refresh button of your internet browser for an updated status of your imported file.

The screenshot displays the 'WQX Web (Demo)' interface for the U.S. Environmental Protection Agency. The page title is 'Dataset Summary'. A navigation breadcrumb shows 'Home >> Datasets >> Dataset Summary'. The version number is 'ver. 2.00.12.09'. A blue sidebar on the left contains a menu with items: Import Configurations, Create New Dataset, Datasets, Lookup Tables, Projects, Monitoring Locations, Activities, Activity Groups, Results, Bio/Habitat Indices, Event Log, Organizations, Preferences, User Information, and Logout (45 min.).

The main content area features a warning message: 'This page will refresh every 10 seconds. You can also navigate to another page or close the browser and then return later to check on the status.' Below this, the 'Type' is 'Activities and Results', the 'Import Configuration' is 'Copy of TRAINING IMPORT RESULTS', and the 'Status' is 'Importing (0.00%)'. There are 'Return' and 'Cancel' buttons. A box titled 'Datasets are Temporary' contains the text: 'Datasets are temporary and must be submitted to CDX to become permanent. To keep this system clean, please delete datasets that have been processed successfully at CDX or are no longer needed. The system will automatically delete this dataset in 15 days.' At the bottom, there are links for 'STORET Home', 'Privacy and Security Notice', and 'Contact Us'.

10. On the “Dataset Summary page”, observe that “Errors, Warnings, and Messages” are displayed under the title “Import”. Notice that there are 36 errors and zero warnings. In order to be successfully exported through CDX, datasets need be errorless. Lower on the page, notice a “Record Counts” box showing that there are 0 “Result” records that are valid according to the schema, and 29 that are invalid. Additionally, notice that there are “0 “Activities” that are valid,

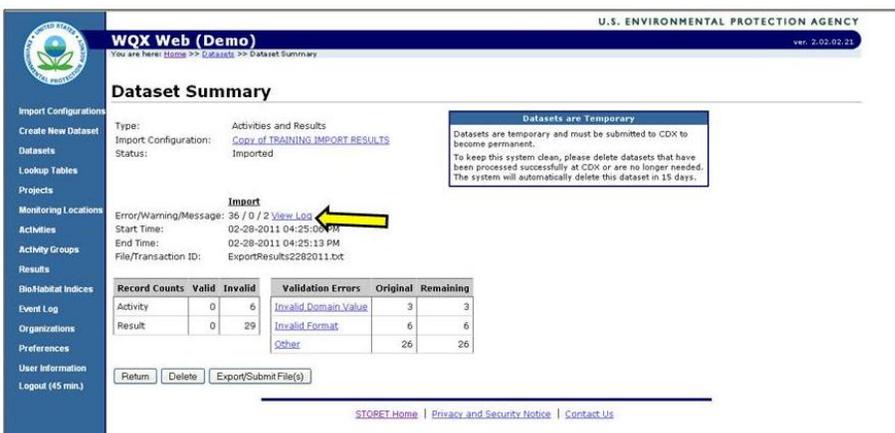
due to multiple results per activity. Valid” according to the schema means that the data submission meets the data structure requirements.



Fixing Validation Errors

The first step in troubleshooting validation errors is to confirm that all Projects, Monitoring Locations and Sample Collection Methods referenced in your results file have been submitted through WQX Web. For more information on establishing these items, please reference the WQX Web Tutorials 1-4.

1. To receive a description of the error log in a particular Dataset, select the “View Log” link.



2. The *Event Log Messages* table list provides details on all the errors in the dataset. Notice that there are three different error messages that repeat, “Value for Activity Start Date does not match its required format:...”, “Invalid domain value: ‘Water Temperature’ ” and “ If Result Value is numeric then Result Value Units and Result Value Type are required”

You are here: [Home](#) >> [Event Log](#) >> Event Log Messages

Event Log Messages

Details
 Summary
 Errors Only

ID	Type	Message	Context
11381432	Error	Value for Activity Start Date does not match its required format: '10/3/2001'	Row 13
11381433	Error	Invalid value for Characteristic Name: 'Water temperature'	Row 17
11381434	Error	Value for Activity Start Date does not match its required format: '9/10/2001'	Row 19
11381435	Error	Value for Activity Start Date does not match its required format: '8/1/2002'	Row 23
11381436	Error	Value for Activity Start Date does not match its required format: '10/3/2001'	Row 27
11381437	Message	Importing files took 1.95 seconds (size=4986)	Row 30
11381438	Message	Consolidating duplicates and validating required values took 0.63 seconds (size=0)	Row 30
11381439	Error	If Result Value is numeric then Result Value Units and Result Value Type are required	Row 2
11381440	Error	If Result Value is numeric then Result Value Units and Result Value Type are required	Row 3

Return

Row 1 - 43 of 43

[STORET Home](#) |
 [Privacy and Security Notice](#) |
 [Contact Us](#)

- Three different categories of errors are flagged for this dataset, “Invalid Domain Value”, “Invalid Format” and “Other”. Domain Values and Invalid Formats can be fixed manually on the fly or by adding a translation in the Import Configuration however; other errors may require a user to correct the original data. Click on “Invalid Domain Value” to view the first category of error.

U.S. ENVIRONMENTAL PROTECTION AGENCY

WQX Web (Demo) ver. 2.02.02.21

You are here: [Home](#) >> [Databases](#) >> Dataset Summary

Dataset Summary

Type: Activities and Results
 Import Configuration: [Copy of TRAINING_IMPORT_RESULTS](#)
 Status: Imported

Datasets are Temporary

Datasets are temporary and must be submitted to CDX to become permanent.

To keep this system clean, please delete datasets that have been processed successfully at CDX or are no longer needed. The system will automatically delete this dataset in 15 days.

Import

Error/Warning/Message: 36 / 0 / 2 [View Log](#)
 Start Time: 02-28-2011 04:25:06 PM
 End Time: 02-28-2011 04:25:13 PM
 File/Transaction ID: ExportResults2282011.bit

Record Counts	Valid	Invalid	Validation Errors	Original	Remaining
Activity	0	6	Invalid Domain Value	3	3
Result	0	29	Invalid Format	6	6
			Other	26	26

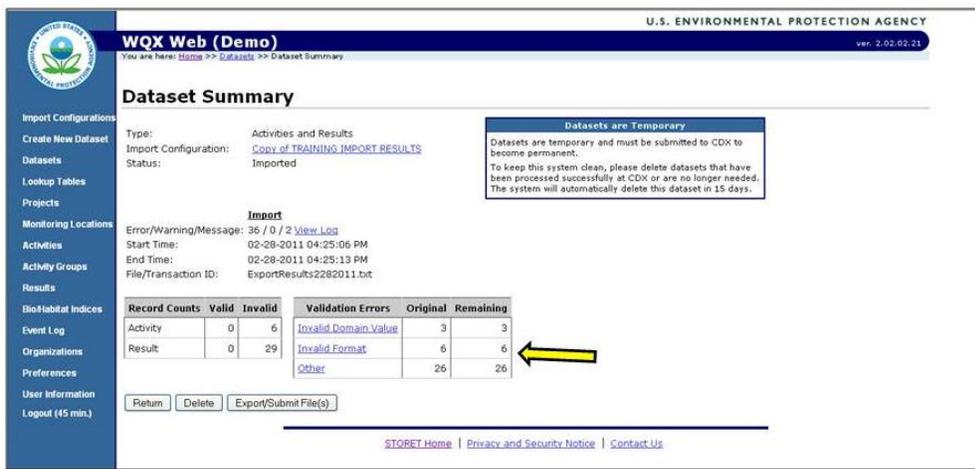
Return Delete Export/Submit File(s)

[STORET Home](#) |
 [Privacy and Security Notice](#) |
 [Contact Us](#)

- Data flagged for an “Invalid Domain Value“ infers that a value is not found on the list of allowable values expected by WQX i.e. the value “Water Temperature” is stored in WQX as “Temperature, Water”. However, errors will not be fixed using the Domain Resolution function in this tutorial, select “Cancel.”



5. Next click on the “Invalid Format” link to view errors flagged in that category.



6. Data flagged for an “Invalid Format“ means that a value was not consistent with the format indicated in the Import Configuration. The Import Configuration needs to be adjusted to indicate the correct format. Select “Cancel” to return to the dataset summary page.



7. Errors that are not recognized as *Invalid Format* or *Invalid Domain Values* are documented in the *Other* field. Selecting the Other link will revert the user back to the Event log messages. Select the link labeled “Other”.

U.S. ENVIRONMENTAL PROTECTION AGENCY
ver. 2.02.02.21

WQX Web (Demo)
You are here: [Home](#) >> [Databases](#) >> Dataset Summary

Dataset Summary

Type: Activities and Results
Import Configuration: [Copy of TRAINING_IMPORT_RESULTS](#)
Status: Imported

Datasets are Temporary

Datasets are temporary and must be submitted to CDX to become permanent.
To keep this system clean, please delete datasets that have been processed successfully at CDX or are no longer needed. The system will automatically delete this dataset in 15 days.

Import
Error/Warning/Message: 36 / 0 / 2 [View Log](#)
Start Time: 02-28-2011 04:25:06 PM
End Time: 02-28-2011 04:25:13 PM
File/Transaction ID: ExportResults2282011.txt

Record Counts	Valid	Invalid	Validation Errors	Original	Remaining
Activity	0	6	Invalid Domain Value	3	3
Result	0	29	Invalid Format	6	6
			Other	26	26

[Return](#) [Delete](#) [Export/Submit File\(s\)](#)

[STORET Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

8. Other Validation Errors often need to be resolved by making corrections in the original dataset. Errors in this file were caused by violations of two WQX business rules, the first business rule violation, when a result is reported as 'Not Detected', 'Present above Quantitation Limit' or 'Present Below Quantitation Limit' the detection limit and units of the detection limit must also be reported (i.e. <0.5 mg /L). The second business rule violation, "If Result Value is numeric then Result Value Units and Result Value Type are required". The original datasheet needs to be corrected before re-importing this dataset. Click "Return" to go back to the Dataset Summary Page.

You are here: [Home](#) >> [Event Log](#) >> Event Log Messages

Event Log Messages

Details Summary Errors Only

ID	Type	Message	Context
11381432	Error	Value for Activity Start Date does not match its required format: '10/3/2001'	Row 13
11381433	Error	Invalid value for Characteristic Name: 'Water temperature'	Row 17
11381434	Error	Value for Activity Start Date does not match its required format: '9/10/2001'	Row 19
11381435	Error	Value for Activity Start Date does not match its required format: '8/1/2002'	Row 23
11381436	Error	Value for Activity Start Date does not match its required format: '10/3/2001'	Row 27
11381437	Message	Importing files took 1.95 seconds (size=4986)	Row 30
11381438	Message	Consolidating duplicates and validating required values took 0.63 seconds (size=0)	Row 30
11381439	Error	If Result Value is numeric then Result Value Units and Result Value Type are required	Row 2
11381440	Error	If Result Value is numeric then Result Value Units and Result Value Type are required	Row 3

[Return](#)

[STORET Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

9. Once errors in the Dataset are corrected, the file will need to be re-imported. Leaving the previously submitted file in WQX Web may interfere with the changes that will be made in the Import Configuration addressed in the following steps. Click on the "Delete" button to delete this import from WQX Web.

U.S. ENVIRONMENTAL PROTECTION AGENCY
ver. 2.02.02.21

WQX Web (Demo)
You are here: [Home](#) >> [Databases](#) >> Dataset Summary

Dataset Summary

Type: Activities and Results
Import Configuration: [Copy of TRAINING_IMPORT_RESULTS](#)
Status: Imported

Datasets are Temporary

Datasets are temporary and must be submitted to CDX to become permanent.
To keep this system clean, please delete datasets that have been processed successfully at CDX or are no longer needed. The system will automatically delete this dataset in 15 days.

Import
Error/Warning/Message: 36 / 0 / 2 [View Log](#)
Start Time: 02-28-2011 04:25:06 PM
End Time: 02-28-2011 04:25:13 PM
File/Transaction ID: ExportResults2282011.txt

Record Counts	Valid	Invalid	Validation Errors	Original	Remaining
Activity	0	6	Invalid Domain Value	3	3
Result	0	29	Invalid Format	6	6
			Other	26	26

[Return](#) [Delete](#) [Export/Submit File\(s\)](#)

[STORET Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

10. After the dataset has been deleted, errors from Domain Values and Format Errors can be addressed by altering the Import Configuration. Click on the Import Configuration link on the left side of the screen and select the “Copy of Training Import Results” Import Configuration.

U.S. ENVIRONMENTAL PROTECTION AGENCY

Dataset Summary
Dataset has been deleted

[STORET Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

11. To fix the Domain Values, scroll through the Import Configuration and locate the “Characteristic Name” Data Element, which should be number 15 on the list. Click on the “Add/Edit” link in the “Translation Count column” on the right of the configuration.

	Column	Pick	Data Element	Default Value	Format	Translation Count
Remove	1		Project ID	{none}		0 Add/Edit
Remove	2		Monitoring Location ID	{none}		0 Add/Edit
Remove	3		Activity ID			0 Add/Edit
Remove	4		Activity Type	{none}		0 Add/Edit
Remove	5		Activity Media Name	{none}		0 Add/Edit
Remove	6		Activity Start Date		YYYYMMDD	0 Add/Edit
Remove	7		Activity Start Time		HH24.MI.SS	0 Add/Edit
Remove	8		Activity Start Time Zone	{none}		0 Add/Edit
Remove	9		Activity Depth/Height Measure			0 Add/Edit
Remove	10		Activity Depth/Height Unit	{none}		0 Add/Edit
Remove	11		Sample Collection Method ID	{none}		0 Add/Edit
Remove	12		Sample Collection Equipment Name	{none}		0 Add/Edit
Remove	13		Sample Collection Equipment Comment			0 Add/Edit
Remove	14		Data Logger Line			0 Add/Edit
Remove	15		Characteristic Name	{none}		0 Add/Edit
Remove	16		Method Speciation	{none}		0 Add/Edit

12. Enter “*Water Temperature*” in the “Translate From: Value from Import File” field. Click on the “{None}” link under the “Translate To: Characteristic Name” header

You are here: [Home](#) >> [Import Configurations](#) >> [Import Configuration Data](#) >> [Translations](#)

Translations

Del	Translate From: Value from Import File	Translate To: Characteristic Name
	<input type="text" value="Water Temperature"/>	{None}

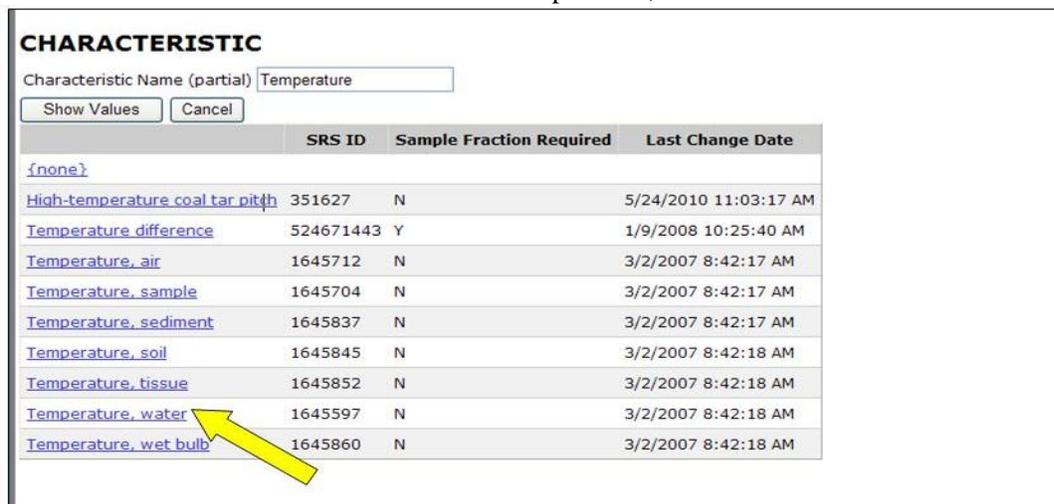
[Return](#) [Save](#) [Cancel](#) [Delete](#)

[STORET Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

13. Enter “*Temperature*” into the “Characteristic Name (partial)” field. Select “Show Values”.



14. Click on the “Select” link next to “Temperature, water” link.



15. Click on the “Save” button. Then select “Return”.



16. Notice that the number of translations has changed to “1” in the “Characteristic Name” row. Click on the “Save” button.

Remove	14	Data Logger Line	<input type="text"/>	0	Add/Edit
Remove	15	Characteristic Name	{none}	1	Add/Edit
Remove	16	Method Speciation	{none}	0	Add/Edit
Remove	17	Result Detection Condition	{none}	0	Add/Edit
Remove	18	Result Measure	<input type="text"/>	0	Add/Edit
Remove	19	Result Unit	{none}	0	Add/Edit
Remove	20	Result Sample Fraction	{none}	0	Add/Edit
Remove	21	Result Status ID	{none}	0	Add/Edit
Remove	22	Statistical Base Code	{none}	0	Add/Edit
Remove	23	Result Value Type	{none}	0	Add/Edit
Remove	24	Result Analytical Method ID	{none}	0	Add/Edit
Remove	25	Result Analytical Method Context	{none}	0	Add/Edit
Remove	26	Analysis Start Date	<input type="text"/> YYYYMMDD	0	Add/Edit
Remove	27	Result Detection/Quantitation Limit Type	{none}	0	Add/Edit
Remove	28	Result Detection/Quantitation Limit Measure	<input type="text"/>	0	Add/Edit
Remove	29	Result Detection/Quantitation Limit Unit	{none}	0	Add/Edit
Remove	30	Result Comment	<input type="text"/>	0	Add/Edit

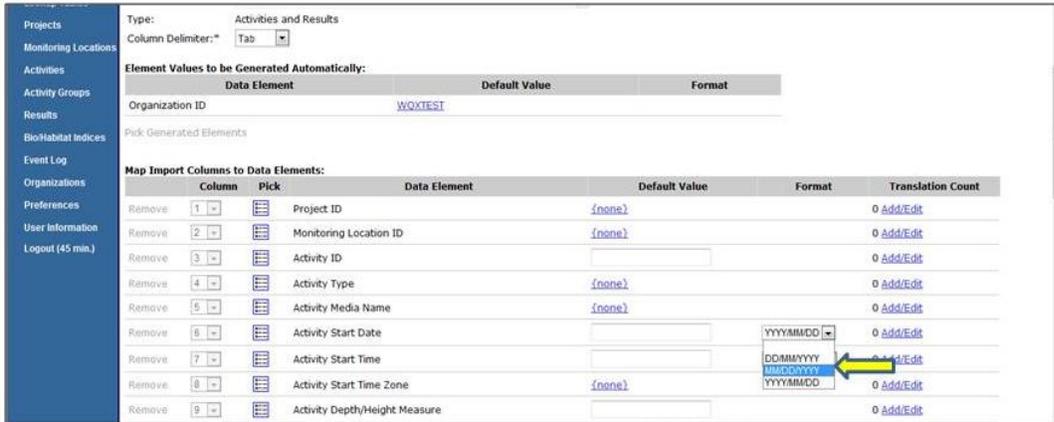
Column Header (tab delimited to copy into Excel)

Return Save Cancel Delete Save To File

17. A translation has been set in your Import Configuration that will change “Water Temperature” to “Temperature, water”. This change will occur for all records where the “Characteristic Name” is defined as “Water Temperature” in the imported results text file. A translation only affects specified text records entered in the “Translate From” side of the “Translations” input screen. Any other values that are in your text file within the translated field are not affected by the translation. Multiple translations may be set for a single field within Import Configurations

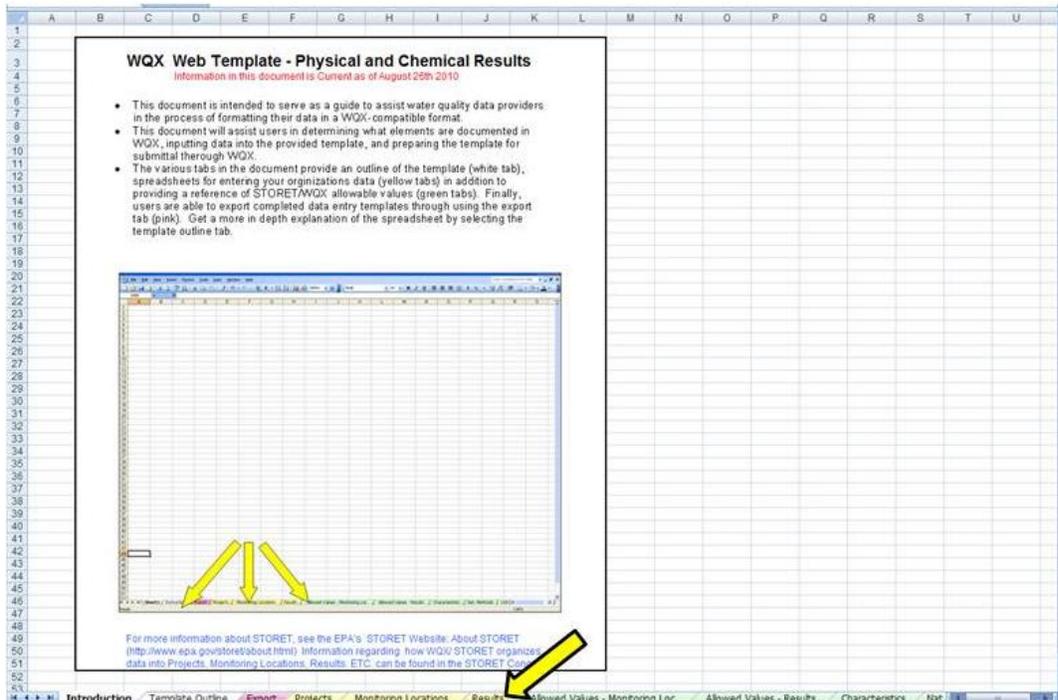
18. The Activity Start Date was also flagged as having an error due to the results being in the format “MM/DD/YYYY”. Alter the format in the Import Configuration to align with the format of the

Activity Start Date in your results file. After making the change, select “Save”. Next you will need to access the original dataset to correct the final errors



Understanding the Errors in Your Original Data

1. Open the data template titled “**Template_WQX_Web.xls**”. The **Template_WQX_Web.xls** file is a tool developed to guide users in formatting and data entry for water monitoring data spreadsheets. The document is organized by color coded tabs located at the bottom of the spreadsheet. Select the “Results” tab colored yellow at the bottom of the spreadsheet.



2. Observe how the header row (row 1), in the results document is labeled with different required categories. Categories underlined and colored in blue are hyperlinked to a table of allowable

values for the corresponding category in the STORET system. By accessing these tables, users can look up the values that encompass each category. Select “Activity Media Name”.

Project ID	Monitoring Location ID	Activity ID	Activity Type	Activity Media Name	Activity Start Date	Activity Start Time	Activity Start Time Zone	Activity Depth/Height Measure	Activity Depth/Height Units	Sample Collection Method ID	Sample Collection Equipment Name	Sample Col Equipment C
2	SL_MONIT	DWNT01	DWNT01F20020	Field Msr/Obs	Water	2002-08-01	8:20:00	MDT				
3	SL_MONIT	DWNT01	DWNT01F20020	Field Msr/Obs	Water	2002-08-01	8:20:00	MDT				
4	SL_MONIT	DWNT01	DWNT01F20020	Field Msr/Obs	Water	2002-08-01	8:20:00	MDT				
5	SL_MONIT	DWNT01	DWNT01F20020	Field Msr/Obs	Water	2002-08-01	8:20:00	MDT				
6	SL_MONIT	DWNT01	DWNT01F20020	Field Msr/Obs	Water	2002-08-01	8:20:00	MDT				
7	SL_MONIT	DWNT01	DWNT01F20020	Field Msr/Obs	Water	2002-08-01	8:20:00	MDT				
8	SL_MONIT	DWNT01	DWNT01F20010	Field Msr/Obs	Water	2001-09-10	9:48:00	MDT				
9	SL_MONIT	DWNT01	DWNT01F20010	Field Msr/Obs	Water	2001-09-10	9:48:00	MDT				
10	SL_MONIT	DWNT01	DWNT01F20010	Field Msr/Obs	Water	2001-09-10	9:48:00	MDT				
11	SL_MONIT	DWNT01	DWNT01F20010	Field Msr/Obs	Water	2001-09-10	9:48:00	MDT				
12	SL_MONIT	DWNT01	DWNT01F20011	Field Msr/Obs	Water	2001-10-03	10:03:00	MDT				
13	SL_MONIT	DWNT01	DWNT01F20011	Field Msr/Obs	Water	2001-10-03	10:03:00	MDT				
14	SL_MONIT	DWNT01	DWNT01F20011	Field Msr/Obs	Water	2001-10-03	10:03:00	MDT				
15	SL_MONIT	DWNT01	DWNT01F20011	Field Msr/Obs	Water	2001-10-03	10:03:00	MDT				
16	SL_MONIT	DWNT01	DWNT01F20011	Field Msr/Obs	Water	2001-10-03	10:03:00	MDT				
17	SL_MONIT	DWNT01	DWNT01F20011	Field Msr/Obs	Water	2001-10-03	10:03:00	MDT				
18	SL_MONIT	DWNT01	DWNT01F20011	Field Msr/Obs	Water	2001-10-03	10:03:00	MDT				
19	SL_MONIT	DWNT01	DWNT01S20010	Sample-Routine	Water	2001-09-10	9:48:00	MDT		STNDRD_SCP	Water Bottle	
20	SL_MONIT	DWNT01	DWNT01S20010	Sample-Routine	Water	2001-09-10	9:48:00	MDT		STNDRD_SCP	Water Bottle	
21	SL_MONIT	DWNT01	DWNT01S20010	Sample-Routine	Water	2001-09-10	9:48:00	MDT		STNDRD_SCP	Water Bottle	
22	SL_MONIT	DWNT01	DWNT01S20010	Sample-Routine	Water	2001-09-10	9:48:00	MDT		STNDRD_SCP	Water Bottle	
23	SL_MONIT	DWNT01	DWNT01S20020	Sample-Routine	Water	2002-08-01	8:20:00	MDT		STNDRD_SCP	Water Bottle	
24	SL_MONIT	DWNT01	DWNT01S20020	Sample-Routine	Water	2002-08-01	8:20:00	MDT		STNDRD_SCP	Water Bottle	
25	SL_MONIT	DWNT01	DWNT01S20020	Sample-Routine	Water	2002-08-01	8:20:00	MDT		STNDRD_SCP	Water Bottle	
26	SL_MONIT	DWNT01	DWNT01S20020	Sample-Routine	Water	2002-08-01	8:20:00	MDT		STNDRD_SCP	Water Bottle	
27	SL_MONIT	DWNT01	DWNT01S20011	Sample-Routine	Water	2001-10-03	10:03:00	MDT		STNDRD_SCP	Water Bottle	
28	SL_MONIT	DWNT01	DWNT01S20011	Sample-Routine	Water	2001-10-03	10:03:00	MDT		STNDRD_SCP	Water Bottle	
29	SL_MONIT	DWNT01	DWNT01S20011	Sample-Routine	Water	2001-10-03	10:03:00	MDT		STNDRD_SCP	Water Bottle	
30	SL_MONIT	DWNT01	DWNT01S20011	Sample-Routine	Water	2001-10-03	10:03:00	MDT		STNDRD_SCP	Water Bottle	

3. Clicking on “Activity Media Name” hyperlink directs users to a listing of the various values associated with the corresponding category. Users are directed to an appended page, “Allowed Values-Results”, alternatively accessible by selecting the corresponding labeled green tab at the bottom of the spreadsheet. Since data values in WQX are case sensitive, it is important to submit values and metrics in the correct formats listed in the “Allowable Values” spreadsheet. Select the yellow tab labeled “Results”.

Monitoring Location Required	Analytical Method Required	Activity Media Name	Sample Collection Equipment Name
Yes	No	Biological	A-Frame Net
Yes	No	Habitat	Activity Trap
Yes	No	Other	Anchor Box Dredge
Yes	Yes	Sediment	Artificial Substrate
Yes	Yes	Soil	Backpack Electroshock
Yes	Yes	Tissue	Beach Seine Net
Yes	Yes	Water	Beam Trawl
Yes	Yes		Benthic Corer (Other)
Yes	Yes		Benthic Dredge (Other)
Yes	Yes		Benthic Grab (Other)
Yes	Yes		Berge Closing Net
Yes	Yes		Beach Light Trap
No	Yes		Block Net
Yes	Yes		Boat-Mounted Electroshock
No	Yes		Boat Dredge
No	Yes		Bongo Net
No	Yes		Boomerang Corer
Yes	No		Bloomerang Grab
No	Yes		Box Corer
Yes	Yes		Box Sampler
No	No		Brail
Yes	No		Bucket
Yes	No		Burrell Epibenthic Sled
Yes	No		Campbell Grab
Yes	No		Centrif Bag
Yes	Yes		Chain Dredge
Yes	Yes		Clam-Shell Grab
Yes	Yes		Clupe-Burrows Trap
Yes	Yes		Concussion
Yes	Yes		Creel Survey
Yes	Yes		D-Frame Net
Yes	Yes		Danish Seine Net
Yes	Yes		Dart Corer (Gravity)
No	Yes		Deck-Lift Grab
No	Yes		Dip Net
No	Yes		Draw Down
No	Yes		Drift Gill Net
No	Yes		Drilled Sampler
Yes	Yes		Drive Sampler (Generic)
No	Yes		Drop Net
No	Yes		Erwin Grab
Yes	Yes		Electric Seine
No	Yes		Electroshock (Other)
No	Yes		Emergency Trap
No	Yes		English Umbrella Net
Yes	Yes		Erwin Piston Corer
Yes	Yes		Ewing Gravity Corer
Yes	Yes		Experimental Brail
Yes	Yes		Experimental Gill Net
Yes	Yes		Fish Veil
Yes	Yes		Free Fall Grab

4. Next examine the results data to find the errors listed on the Dataset Summary Page.

	P	Q	R	S	T	U	V	W	X	Y
	Method Speciation Name	Result Detection Condition	Result Measure	Result Unit	Result Sample Fraction	Result Status ID	Statistical Base Code	Result Value Type	Result Analytical Method ID	Result Analytical Method Context
2			6.6 mg/l			Final			360.1 USEPA	
3			0.319 mg/l	Dissolved		Final			160.1 USEPA	
4			8.57 None			Final			150.1 USEPA	
5			0.24 mg/l			Final		2520-B	APHA	
6			70.16 deg F			Final			2550 APHA	
7			35 NTU			Final			2130 APHA	
8			8.52 mg/l			Final			360.1 USEPA	
9			0.313 mg/l	Dissolved		Final			160.1 USEPA	
10			8.95 None			Final			150.1 USEPA	
11			0.23 mg/l			Final		2520-B	APHA	
12			61.25 deg F			Final			2550 APHA	
13			7.16 mg/l			Final			360.1 USEPA	
14			0.367 mg/l	Dissolved		Final			160.1 USEPA	
15			8.55 None			Final			150.1 USEPA	
16			0.27 mg/l			Final		2520-B	APHA	
17			49.46 deg F			Final			2550 APHA	
18			43 NTU			Final			2130 APHA	
19			0.9022 mg/l	Dissolved		Final		4500-NH3(C)	APHA	
20			7.2 mg/l	Dissolved		Final			353.3 USEPA	
21			4.46 mg/l	Dissolved		Final		4500-O-G	APHA	
22			11.3 mg/l	Total		Final			354.1 USEPA	
23			0.8022 mg/l	Dissolved		Final		4500-NH3(C)	APHA	
24			6.2 mg/l	Dissolved		Final			353.3 USEPA	
25			3.45 mg/l	Dissolved		Final		4500-O-G	APHA	
26			10.3 mg/l	Total		Final			354.1 USEPA	
27			1.0022 mg/l	Dissolved		Final		4500-NH3(C)	APHA	
28		Not Detected	<.001 mg/l			Final			353.3 USEPA	
29			5.46 mg/l	Dissolved		Final		4500-O-G	APHA	
30			12.3 mg/l	Total		Final			354.1 USEPA	

- The first error listed in the “Event Log Messages” is “**Result Measure Unit Code and Result Value Type Name are required when Result Measure Value contains a numeric value.**” This means that, when there is a number listed as your result, both units and the “Result Value Type” must be listed. Notice that the values in the “Result Measure“ column have numeric values listed. Also note that the “Result Unit” measure code is already populated with units, while the “Result Value Type” name column is blank. Finally observe that one of the Result Measure records does not have a numeric value, but instead is reported as “<.001”. This will be discussed later in the tutorial, but a value type is still assigned to this record.
- Examples of allowable values for the *Result Value Type* are “Actual”, “Estimated”, and “Calculated”. In this case, they are all “Actual” values that were determined during the monitoring. In the Import Configuration, make “Actual” the default value so “Actual” can be automatically entered in all records for the *Result Value Type* field.

Remove	15	Characteristic Name	{none}	1	Add/Edit	
Remove	16	Method Speciation	{none}	0	Add/Edit	
Remove	17	Result Detection Condition	{none}	0	Add/Edit	
Remove	18	Result Value		0	Add/Edit	
Remove	19	Result Unit	{none}	0	Add/Edit	
Remove	20	Result Sample Fraction	{none}	0	Add/Edit	
Remove	21	Result Status ID	{none}	0	Add/Edit	
Remove	22	Statistical Base Code	{none}	0	Add/Edit	
Remove	23	Result Value Type	Actual	0	Add/Edit	
Remove	24	Result Analytical Method ID	{none}	0	Add/Edit	
Remove	25	Result Analytical Method Context	{none}	0	Add/Edit	
Remove	26	Analysis Start Date		YYYYMMDD	0	Add/Edit
Remove	27	Result Detection/Quantitation Limit Type	{none}	0	Add/Edit	
Remove	28	Result Detection/Quantitation Limit Measure		0	Add/Edit	
Remove	29	Result Detection/Quantitation Limit Unit	{none}	0	Add/Edit	
Remove	30	Result Comment		0	Add/Edit	

- The next error in the “Event Log Messages” states: “**Either Result Measure Value or Result Detection Condition Text must be reported, but not both.**” Examine the template file and fix.

M	N	O	P	Q	R	S	T	U
Sample Collection Equipment Comment	Data Logger Line	Characteristic Name	Method Speciation Name	Result Detection Condition	Result Measure	Result Unit	Result Sample Fraction	Result Status
1								
2		Dissolved oxygen (DO)			6.6 mg/l			Final
3		Total dissolved solids			0.319 mg/l	Disolved		Final
4		pH			8.57 None			Final
5		Salinity			0.24 mg/l			Final
6		Temperature, water			70.16 deg F			Final
7		Turbidity			35 NTU			Final
8		Dissolved oxygen (DO)			8.52 mg/l			Final
9		Total dissolved solids			0.313 mg/l	Disolved		Final
10		pH			8.95 None			Final
11		Salinity			0.23 mg/l			Final
12		Temperature, water			61.25 deg F			Final
13		Dissolved oxygen (DO)			7.16 mg/l			Final
14		Total dissolved solids			0.367 mg/l	Disolved		Final
15		pH			8.55 None			Final
16		Salinity			0.27 mg/l			Final
17		Temperature, water			49.46 deg F			Final
18		Turbidity			43 NTU			Final
19		Ammonia-nitrogen			0.9022 mg/l	Disolved		Final
20		Nitrate			7.2 mg/l	Disolved		Final
21		Nitrite			4.46 mg/l	Disolved		Final
22		Nitrogen-15			11.3 mg/l	Total		Final
23		Ammonia-nitrogen			0.8022 mg/l	Disolved		Final
24		Nitrate			6.2 mg/l	Disolved		Final
25		Nitrite			3.46 mg/l	Disolved		Final
26		Nitrogen-15			10.3 mg/l	Total		Final
27		Ammonia-nitrogen			1.0022 mg/l	Disolved		Final
28		Nitrate		Not Detected	< .001	Disolved		Final
29		Nitrite			5.46 mg/l	Disolved		Final
30		Nitrogen-15			12.3 mg/l	Total		Final
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								

- When scrolling through the “Result Detection Condition” and “Result Measure” fields, notice that there is a record that has been populated for both. The “Result Detection Condition” field states “Not Detected”, whereas the “Result Measure Value” field contains the value “<.001”. Both of these fields may not be populated. One of these can be changed to a blank cell. In this case, it appears that this record for Nitrogen, Nitrate (NO₃⁻) as N, is a non-detect, and that the detection limit is intended to be <0.001 mg/l.
- Note that the detection limit of this analytical method is .001 mg/l. It will be important to remember that to fix the next error. Delete the (<.001) in the “Result Measure” field for this particular record.

10. The final error in the “Event Log Messages” states: “When Result Condition Text is ‘Not Detected’, ‘Present Above Quantitation Limit’, or ‘Present Below Quantitation Limit’, then

the Detection Quantitation Limit Type Name and Detection Quantitation Limit Measure must be reported.” In other words, when reporting a non-detect, the type of detection limit or quantitation limit, the detection limit itself, and the units of the detection limit must be provided.

M	N	O	P	Q	R	S	T	U
Sample Collection Equipment Comment	Data Logger Line	Characteristic Name	Method Speciation Name	Result Detection Condition	Result Measure	Result Unit	Result Sample Fraction	Result Status
1								
2		Dissolved oxygen (DO)			6.6 mg/l			Final
3		Total dissolved solids			0.319 mg/l		Dissolved	Final
4		pH			8.57	None		Final
5		Salinity			0.24 mg/l			Final
6		Temperature, water			70.16 deg F			Final
7		Turbidity			35 NTU			Final
8		Dissolved oxygen (DO)			8.52 mg/l			Final
9		Total dissolved solids			0.313 mg/l		Dissolved	Final
10		pH			8.35	None		Final
11		Salinity			0.23 mg/l			Final
12		Temperature, water			61.25 deg F			Final
13		Dissolved oxygen (DO)			7.16 mg/l			Final
14		Total dissolved solids			0.367 mg/l		Dissolved	Final
15		pH			8.55	None		Final
16		Salinity			0.27 mg/l			Final
17		Temperature, water			49.46 deg F			Final
18		Turbidity			43 NTU			Final
19		Ammonia-nitrogen			0.9022 mg/l		Dissolved	Final
20		Nitrate			7.2 mg/l		Dissolved	Final
21		Nitrite			4.46 mg/l		Dissolved	Final
22		Nitrogen-15			11.3 mg/l		Total	Final
23		Ammonia-nitrogen			0.8022 mg/l		Dissolved	Final
24		Nitrate			6.2 mg/l		Dissolved	Final
25		Nitrite			3.46 mg/l		Dissolved	Final
26		Nitrogen-15			10.3 mg/l		Total	Final
27		Ammonia-nitrogen			1.0022 mg/l		Dissolved	Final
28		Nitrate		Not Detected			Dissolved	Final
29		Nitrite			5.46 mg/l		Dissolved	Final
30		Nitrogen-15			12.3 mg/l		Total	Final
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								

11. Scrolling to the right in the template, notice that the “Result Detection /Quantitation Limit Type”, “Result Detection / Quantitation Limit Measure”, and “Result Detection Quantitation Limit Unit” columns are blank. Fill in these three fields for the previously corrected record. Note that none of the other records require these fields to be filled because they all have quantifiable results.

U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AJ
Result Status ID	Statistical Base Code	Result Value Type	Result Analytical Method ID	Result Analytical Method Context	Analysis Start Date	Result Detection/Quantitation Limit Type	Result Detection/Quantitation Limit Measure	Result Detection/Quantitation Limit Unit	Result Comment		
1											
2	Final		360.1 USEPA								
3	Final		160.1 USEPA								
4	Final		150.1 USEPA								
5	Final	2520-B	APHA								
6	Final		2550 APHA								
7	Final		2130 APHA								
8	Final		360.1 USEPA								
9	Final		160.1 USEPA								
10	Final		150.1 USEPA								
11	Final	2520-B	APHA								
12	Final		2550 APHA								
13	Final		360.1 USEPA								
14	Final		160.1 USEPA								
15	Final		150.1 USEPA								
16	Final	2520-B	APHA								
17	Final		2550 APHA								
18	Final		2130 APHA								
19	Final	4500-NH3(C)	APHA								
20	Final		353.3 USEPA								
21	Final	4500-O-G	APHA								
22	Final		354.1 USEPA								
23	Final	4500-NH3(C)	APHA								
24	Final		353.3 USEPA								
25	Final	4500-O-G	APHA								
26	Final		354.1 USEPA								
27	Final	4500-NH3(C)	APHA								
28	Final		353.3 USEPA								
29	Final	4500-O-G	APHA								
30	Final		354.1 USEPA								
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											

12. Use the dropdown menu in the “Result Detection Quantitation Limit Type” column to fill the appropriate record with the allowable value “Method Detection Level”.

	U	V	W	X	Y	Z	AA	AB	AC	AD	AE
	Result Status ID	Statistical Base Code	Result Value Type	Result Analytical Method ID	Result Analytical Method Context	Analysis Start Date	Result Detection/Quantitation Limit Type	Result Detection/Quantitation Limit Measure	Result Detection/Quantitation Limit Unit	Result Comment	
1											
2	Final			360	1 USEPA						
3	Final			160	1 USEPA						
4	Final			150	1 USEPA						
5	Final		2520-B		APHA						
6	Final			2550	APHA						
7	Final			2130	APHA						
8	Final			360	1 USEPA						
9	Final			160	1 USEPA						
10	Final			150	1 USEPA						
11	Final		2520-B		APHA						
12	Final			2550	APHA						
13	Final			360	1 USEPA						
14	Final			160	1 USEPA						
15	Final			150	1 USEPA						
16	Final		2520-B		APHA						
17	Final			2550	APHA						
18	Final			2130	APHA						
19	Final		4500-NH3(C)		APHA						
20	Final			353	3 USEPA						
21	Final		4500-O-G		APHA						
22	Final			354	1 USEPA						
23	Final		4500-NH3(C)		APHA						
24	Final			353	3 USEPA						
25	Final		4500-O-G		APHA						
26	Final			354	1 USEPA						
27	Final		4500-NH3(C)		APHA						
28	Final			353	3 USEPA						
29	Final		4500-O-G		APHA						
30	Final			354	1 USEPA						
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											

13. Fill in the detection limit of “0.001” in the “Result Detection /Quantitation Limit Measure“ column for the appropriate record. Then, use the dropdown menu in the “Result Detection Quantitation Limit Unit” column to select the units to “mg/l”

	U	V	W	X	Y	Z	AA	AB	AC	AD	AE
	Result Status ID	Statistical Base Code	Result Value Type	Result Analytical Method ID	Result Analytical Method Context	Analysis Start Date	Result Detection/Quantitation Limit Type	Result Detection/Quantitation Limit Measure	Result Detection/Quantitation Limit Unit	Result Comment	
1											
2	Final			360	1 USEPA						
3	Final			160	1 USEPA						
4	Final			150	1 USEPA						
5	Final		2520-B		APHA						
6	Final			2550	APHA						
7	Final			2130	APHA						
8	Final			360	1 USEPA						
9	Final			160	1 USEPA						
10	Final			150	1 USEPA						
11	Final		2520-B		APHA						
12	Final			2550	APHA						
13	Final			360	1 USEPA						
14	Final			160	1 USEPA						
15	Final			150	1 USEPA						
16	Final		2520-B		APHA						
17	Final			2550	APHA						
18	Final			2130	APHA						
19	Final		4500-NH3(C)		APHA						
20	Final			353	3 USEPA						
21	Final		4500-O-G		APHA						
22	Final			354	1 USEPA						
23	Final		4500-NH3(C)		APHA						
24	Final			353	3 USEPA						
25	Final		4500-O-G		APHA						
26	Final			354	1 USEPA						
27	Final		4500-NH3(C)		APHA						
28	Final			353	3 USEPA			0.001	mg/l		
29	Final		4500-O-G		APHA						
30	Final			354	1 USEPA						
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											

14. Save your work in the template. Select the “Export Data” tab.

Result Status ID	Statistical Base Code	Result Value Type	Result Analytical Method ID	Result Analytical Method Context	Analysis Start Date	Result Detection/Quantitation Limit Type	Result Detection/Quantitation Limit Measure	Result Detection/Quantitation Limit Unit	Result Comment
1									
2	Final			360 USEPA					
3	Final			160 USEPA					
4	Final			150 USEPA					
5	Final	2520-B		APHA					
6	Final			2550 APHA					
7	Final			2130 APHA					
8	Final			360 USEPA					
9	Final			160 USEPA					
10	Final			150 USEPA					
11	Final	2520-B		APHA					
12	Final			2550 APHA					
13	Final			360 USEPA					
14	Final			160 USEPA					
15	Final			150 USEPA					
16	Final	2520-B		APHA					
17	Final			2550 APHA					
18	Final			2130 APHA					
19	Final	4500-NH3(C)		APHA					
20	Final			353 USEPA					
21	Final	4500-O-G		APHA					
22	Final			354 USEPA					
23	Final	4500-NH3(C)		APHA					
24	Final			353 USEPA					
25	Final	4500-O-G		APHA					
26	Final			354 USEPA					
27	Final	4500-NH3(C)		APHA					
28	Final			353 USEPA		Method Detection Level	0.001		
29	Final	4500-O-G		APHA					
30	Final			354 USEPA					
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									

15. Click on the “Export Results” button.

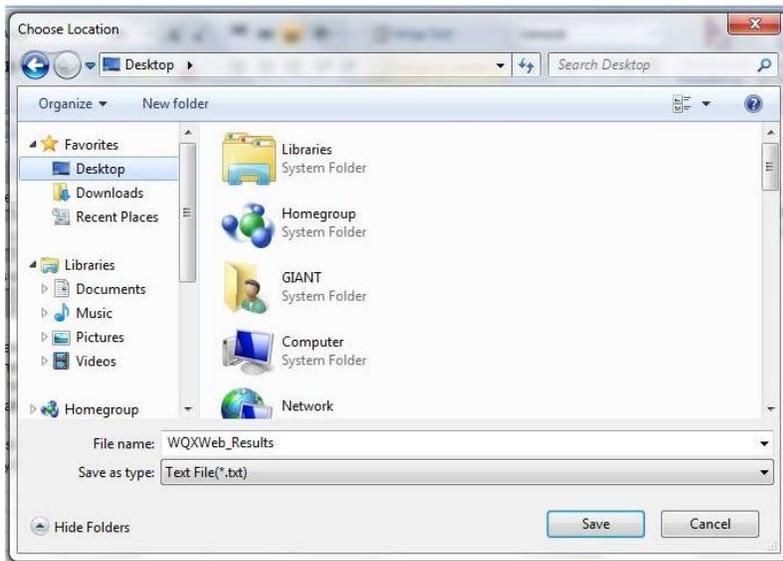
The screenshot shows an Excel spreadsheet with a black box highlighting three buttons: "Export Projects", "Export Monitoring Locations", and "Export Results". A yellow arrow points to the "Export Results" button. To the right, there is a text box with instructions: "These Export tools, located in the upper left hand corner of the document, will export data entered in the corresponding yellow tabs in a Tab Delimited format. You will be prompted to choose a save location, where a .txt file will be exported, ready to be submitted to CDX via..." Below this, a black box contains a list of instructions:

- The Export Monitoring Locations Function converts entered county names to the County Code Format required by WQX.
- Project and Monitoring Location files must be submitted before a Results file.
- Project and Monitoring Location files only need to be submitted once, and only resubmitted for purposes of documenting changes in information describing a project or monitoring location.

At the bottom, a light blue box lists the last export saved to:

- Projects: C:\Documents and Settings\mbrenn02\Desktop\Miscellaneous\CUASH\ExportProjects8262010.txt
- Monitoring Locations: C:\Documents and Settings\mbrenn02\Desktop\Export\MonitoringLocations8262010.txt
- Results: C:\Deepti\Level2_WQXWeb_Results.txt

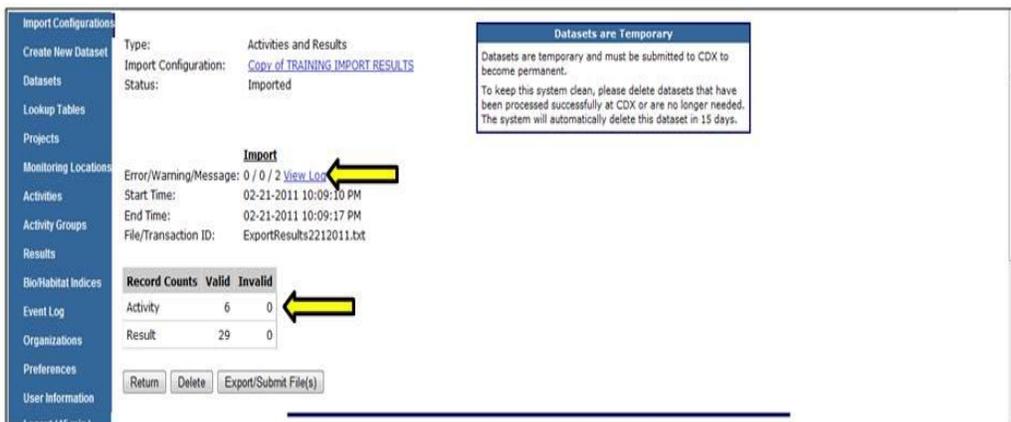
16. On your hard drive, navigate to the desired location to save the text file. Name the file “WQXWeb_Results.txt”, overwriting the original file.



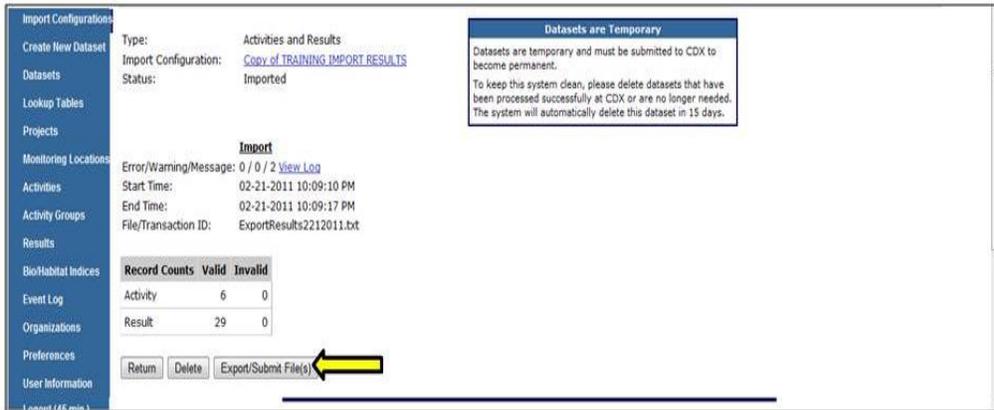
17. After correcting the provided results file, close the WQX Template.

Re- importing Your Corrected File

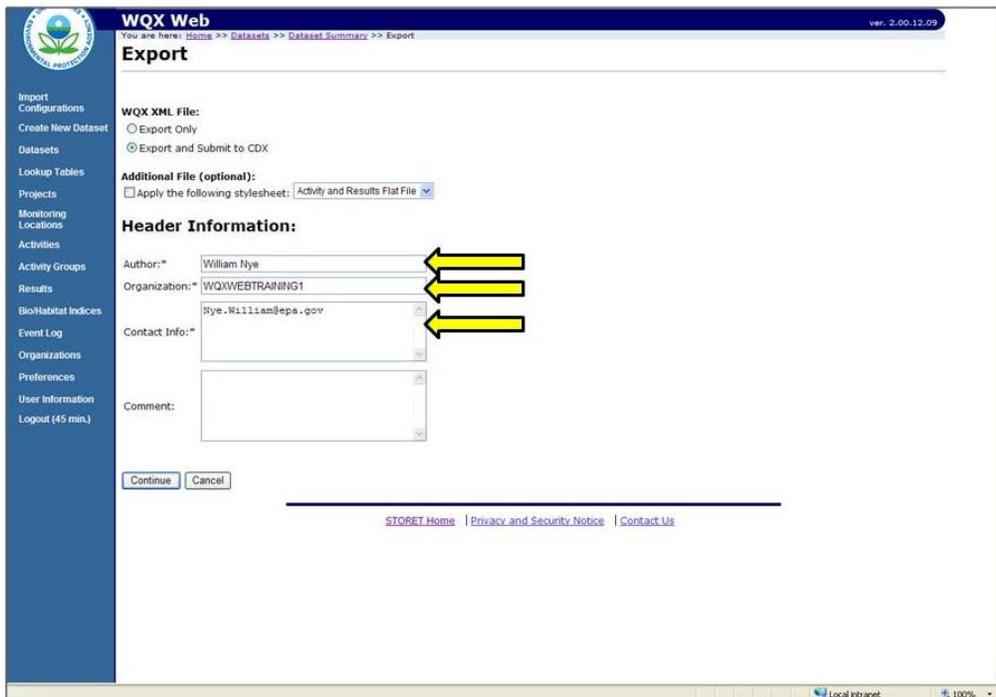
1. Follow Steps 1 through 10 of the *Loading Results Data Text Files into WQX Web* section. to re-import the file “WQXWeb_Results.txt”, using the recently modified Import Configuration (Copy of Training Import Results).
2. After importing the file successfully with no errors, the file will have to be exported to CDX. Upon examination of the “Dataset Summary”, notice that there were zero errors and zero warnings found during the import validation. Also, there are 29 Valid Results and 6 Valid Activities in this import. The next step is to submit the data to CDX.



3. To submit the data to CDX, click on the “Export/Submit File(s)” button at the bottom of the “Dataset Summary page.



- Under the WQX XML File heading, click the “Export and Submit to CDX” radio button. Make sure corresponding information is filled in for “Author”, “Organization” and “Contact Info” (email address). Click the “Continue” button on the left side of the screen.



- If the dataset summary page does not automatically refresh, click on the refresh button of your internet browser for an updated status of your imported file.

WQX Web U.S. ENVIRONMENTAL PROTECTION AGENCY
 You are here: [Home](#) >> [Datasets](#) >> Dataset Summary ver. 1.08.06.18

Dataset Summary

This page will refresh every 10 seconds. You can also navigate to another page or close the browser and then return later to check on the status.

Type: Activities and Results
 Import Configuration: [TRAINING IMPORT RESULTS](#)
 Status: Importing (0.00%)

Datasets are Temporary

Datasets are temporary and must be submitted to CDX to become permanent.

To keep this system clean, please delete datasets that have been processed successfully at CDX or are no longer needed. The system will automatically delete this dataset in 15 days.

Error/Warning/Message: 0 / 0 / 1 [View Log](#)
 Start Time: 07-16-2010 11:56:38 AM
 End Time:

[STORET Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Viewing Report Errors

1. Notice that your status on the Dataset Summary page is “Complete at CDX”, which indicates a successful upload.

Dataset Summary

Type: Activities and Results
 Import Configuration: [Copy of TRAINING IMPORT RESULTS](#)
 Status: **Completed at CDX**

Submission Completed!

Your submission was processed successfully. Please delete this temporary dataset now, to keep the system clean.

Import
 Error/Warning/Message: 0 / 0 / 2 [View Log](#)
 Start Time: 02-21-2011 10:09:10 PM
 End Time: 02-21-2011 10:09:17 PM
 File/Transaction ID: ExportResults2212011.txt

Record Counts	Valid	Invalid
Activity	6	0
Result	29	0

Export
 0 / 0 / 2 [View Log](#)
 02-21-2011 10:10:27 PM
 02-21-2011 10:10:39 PM
 _4284d16a-e139-4820-9ce5-81b83a7de38c

Documents (available for download)

[WQX Submission 13963 Update.zip](#)
[ValidationResults.xml](#)
[Notify.xml](#)
[ProcessingReport.zip - View in Browser](#)

2. Click on the “ProcessingReport.zip” link to confirm that your dataset had no errors. Save it to your hard drive and open it.

Dataset Summary

Import Configurations: Type: Activities and Results

Create New Dataset: Import Configuration: [Copy of TRAINING_IMPORT_RESULTS](#)

Datasets: Status: Completed at CDX

Lookup Tables: **Import**

Projects: Error/Warning/Message: 0 / 0 / 2 [View Log](#)

Monitoring Locations: Start Time: 02-21-2011 10:09:10 PM

Activities: End Time: 02-21-2011 10:09:17 PM

Activity Groups: File/Transaction ID: ExportResults2212011.txt

Results: **Export**

BioHabitat Indices: 0 / 0 / 2 [View Log](#)

Event Log: 02-21-2011 10:10:27 PM

Organizations: 02-21-2011 10:10:39 PM

Preferences: **Record Counts**

User Information: Valid Invalid

Logout (45 min.): Activity 6 0

Result 29 0

Documents (available for download)

[WOX_Submission_139631_Update.zip](#)

[ValidationResults.xml](#)

[Notify.xml](#)

[ProcessingReport.zip - View in Browser](#)

Submission Completed!
Your submission was processed successfully. Please delete this temporary dataset now, to keep the system clean.

The processing report will reaffirm that your data was transmitted successfully, or completed at the top of the document. Towards the middle of the document, counts of items processed and errors encountered are given. Towards the bottom of the document are details on processing failures and errors. Note the absence of any invalid submissions or red boxes titled “Error”. This means that your submission to CDX was successful.

Transaction ID: **_eb639045-7120-4c16-9c20-cc4adc819f9f**

Status: **Completed**

Software Information

Component Version

Microsoft 1.0.0

Microsoft 1.0.0

Note status completed

Summary Information

Errors: 0

Warnings: 0

Items Successfully Processed:

Projects

Monitoring Locations

Activities

Update 5

Activity Groups

Results

Delete 20

Insert 20

Successful Items completed

Processing Failures

Projects

Monitoring Locations

Activities

Activity Groups

Note no processing failures

No errors listed

Processing Log

Message: Process Load started at 02-01-2011 12:14:54 PM

Message: Process Load completed at 02-01-2011 12:14:51 PM

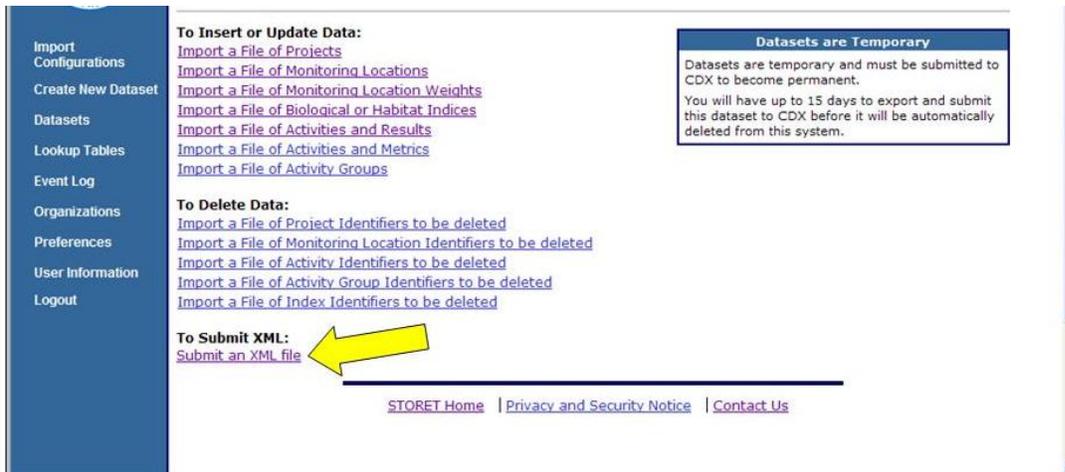
Importing an XML File

XML files can also be submitted through WQX WQB. Example XML files can be found at The URL: http://www.epa.gov/storet/wqx/products/WQX_Web_Tutorials_ExampleData.zip). The provided example XML files are pre-populated with results data (WQXWeb_Results.xml), Monitoring Locations (WQXWeb_MonLocs.xml) and project information (WQXWeb_Project.xml). To practice loading example XML files, see the following steps.

1. Click on the “Create New Dataset” link to begin importing your XML results data file



2. Click on the “Submit an XML file” link under the “To Submit XML” header.



3. Click on the “Browse” button to select the file to import, this tutorial will use example data file WQXWeb_Projects.XML. Click “Continue” to import your file into CDX.



4. After clicking import, you will notice on the Dataset Summary page your status is “Complete at CDX”, which indicates a successful upload.



Troubleshooting

Note: excessive traffic in the site from multiple organizations uploading simultaneously sometimes may affect the success of your upload. If your file does not successfully upload at first, try uploading it a second time before troubleshooting.

If you receive the error “connection was forcibly closed by the remote host.” Submit your data again after a few moments. This error often comes due to high amounts of traffic.

Summary

Congratulations! The Uploading Results and Working With Errors tutorial is now complete. This tutorial, provided guidance on defining sample collection methods in WQX Web, coping and working with Import Configurations, using translations and defaults, submitting a XML file via WQXWeb, and troubleshooting errors that could occur during the import and submission process. Please refer to WQX Web tutorials 1-4 for guidance on creating and modifying Import Configurations, and importing Project and Monitoring Location data. For an extensive discussion on submitting data files through WQX Web, please refer to the following URL
http://www.epa.gov/storet/wqx/products/WQX_Web_User_Guide_v2.0.pdf.