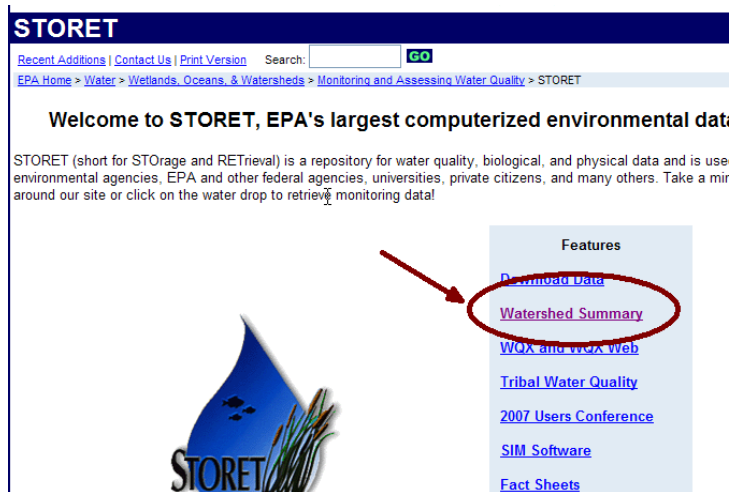


Water Body Monitoring Data

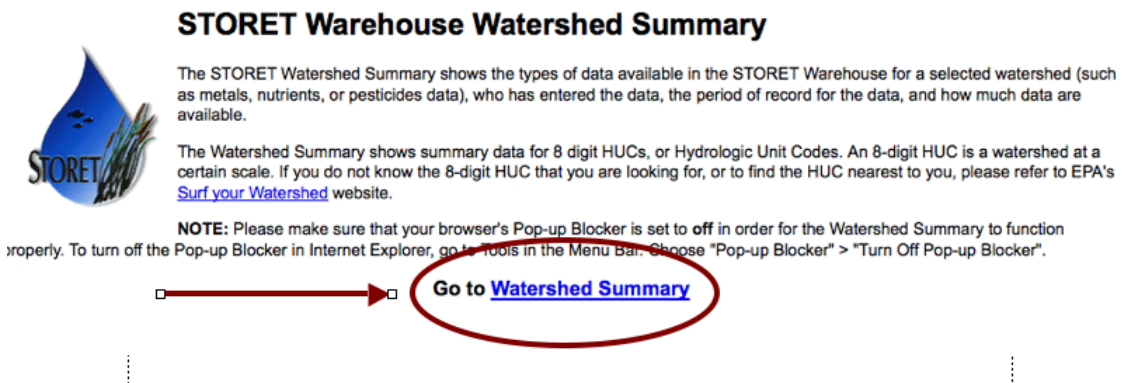
STORET is US EPA's database of surface water and ground water data. It has a search tool on-line that allows you to quickly identify all of the stations and types of data available within in an 8 digit watershed. You can then download the raw quality information and metadata file. There will be a 12 digit search engine after 12 digit line work is complete for the entire country.

To make things go a little more smoothly make sure your e-mail account is open.

1. go to www.epa.gov/storet
2. Click on "Watershed Summary" under features



3. If you know the 8 digit watershed for which you want data, click on go to "Watershed Summary"; otherwise click on the link to "Surf Your Watershed" for assistance in identifying the correct watershed.



4. In this case we are using the DesPlaines river watershed (07120004) Select your watershed from the drop down-list and push "Query"

STORET

[Recent Additions](#) | [Contact Us](#) | [Print Version](#) Search: **GO**

[EPA Home](#) > [Water](#) > [Wetlands, Oceans, & Watersheds](#) > [Monitoring and Assessing Water Quality](#) >

Results by Watershed

Drainage Basin/HUC

- SELECT -

- 07100009 - Lower Des Moines.
- 07110001 - Bear-Wyaconda.
- 07110002 - North Fabius.
- 07110004 - The Sny.
- 07110006 - South Fork Salt.
- 07110008 - Cuivre.
- 07110009 - Peruque-Piasa.
- 07120001 - Kankakee.
- 07120002 - Iroquois.
- 07120003 - Chicago.
- 07120004 - Des Plaines.**
- 07120005 - Upper Illinois.
- 07120006 - Upper Fox.
- 07120007 - Lower Fox.
- 07130001 - Lower Illinois-Senachwine Lake.
- *v 07130002 - Vermilion.
- 07130003 - Lower Illinois-Lake Chautauqua.
- 07130004 - Mackinaw.
- 07130005 - Spoon.
- 07130006 - Upper Sangamon.

Characteristic Type

Query

Results by Watershed

Drainage Basin/HUC

07120004 - Des Plaines.

Search By

Organization Characteristic Type

Query

5. You will see a listing of available data you can see it by organization or characteristic type (to switch simply select characteristic type and press query again). For this exercise select IL EPA and then press Get results.

Results by Watershed

Drainage Basin/HUC
07120004 - Des Plaines.

Search By
 Organization Characteristic Type

Query

3 Organizations, 125 Stations, 148 Characteristics, 65,036 Results

Organization

All Organizations of the Watershed

IL_EPA - Illinois EPA 06/07/2000 - 11/03/2005 (7355) Records

- [73 Stations](#)
- [351 Metal](#), [1602 Nutrient](#), [1859 Other](#), [28 PCB](#), [672 Pesticide](#), [2843 Physical](#).

MWRDSTOR - Metropolitan Water Reclamation District of Greater Chicago 01/03/2000 - 07/28/2003 (52612) Records

- [24 Stations](#)
- [27273 Metal](#), [1676 Microbiological](#), [4667 Nutrient](#), [8192 Other](#), [9510 Physical](#), [1294 Radiation](#).

WIDNR_WQX - Wisconsin Department of Natural Resources 07/04/1988 - 10/21/2008 (5069) Records

- [28 Stations](#)
- [92 Metal](#), [14 Microbiological](#), [394 Nutrient](#), [187 Other](#), [4382 Physical](#).

Get Results

Results by Watershed

Drainage Basin/HUC
07120004 - Des Plaines.

Search By
 Organization Characteristic Type

Query

103 Characteristics, 65036 Records

| Characteristic Type | Records |
|---|---------|
| <input type="checkbox"/> Metal | 27716 |
| <input checked="" type="checkbox"/> Microbiological | 1690 |
| <input checked="" type="checkbox"/> Nutrient | 6663 |
| <input type="checkbox"/> Other | 10238 |
| <input type="checkbox"/> PCB | 28 |
| <input type="checkbox"/> Pesticide | 672 |
| <input checked="" type="checkbox"/> Physical | 16735 |
| <input type="checkbox"/> Radiation | 1294 |

Select All Get Results

6. Follow instructions on the STORET website to receive the file (provide your email address/give a three letter code). At this point you could also select from a variety of fields you might want with your data. Remember, not all organizations provide data for all those fields.

REGULAR (45 record(s)) BIOLOGICAL (0 record(s)) HABITAT (0 record(s))

Select Data Elements for Report(s)

| | | |
|---|--|---|
| <input type="checkbox"/> Org ID | <input type="checkbox"/> Actual Activity Lat/Long* | <input type="checkbox"/> Result Free Text |
| <input type="checkbox"/> Beach ID | <input type="checkbox"/> Conv Actual Activity Lat/Long* | <input type="checkbox"/> Weight Basis |
| <input checked="" type="checkbox"/> Org Name | <input checked="" type="checkbox"/> Habitat Class Name | <input type="checkbox"/> Temperature Basis |
| <input checked="" type="checkbox"/> Station ID | <input type="checkbox"/> Well Number | <input type="checkbox"/> Duration Basis |
| <input type="checkbox"/> Station Name | <input type="checkbox"/> Pipe Number | <input type="checkbox"/> Particle Size Basis |
| <input checked="" type="checkbox"/> Station Location Info* | <input type="checkbox"/> Additional Act Location Info* | <input type="checkbox"/> Distance Measured From |
| <input checked="" type="checkbox"/> Station Lat/Long* | <input checked="" type="checkbox"/> Activity Depth | <input type="checkbox"/> Distance Measured To |
| <input type="checkbox"/> Conv Station Lat/Long* | <input checked="" type="checkbox"/> Activity Depth Unit | <input checked="" type="checkbox"/> Analytical Proc ID |
| <input type="checkbox"/> Station Types* | <input type="checkbox"/> Activity Upper Depth | <input type="checkbox"/> Additional Anal Proc Info* |
| <input type="checkbox"/> S/G/O Indicator | <input type="checkbox"/> Activity Rel Depth | <input type="checkbox"/> Lab Remark |
| <input checked="" type="checkbox"/> Visit Num | <input type="checkbox"/> Activity Lower Depth | <input type="checkbox"/> Dilution Ind |
| <input type="checkbox"/> Visit Start* | <input type="checkbox"/> Activity Lwr Depth Unit | <input type="checkbox"/> Recovery Ind |
| <input type="checkbox"/> Visit Stop* | <input type="checkbox"/> Activity Depth Ref Point | <input type="checkbox"/> Correction Ind |
| <input type="checkbox"/> Trip ID | <input type="checkbox"/> Sample Collection ID | <input type="checkbox"/> Other Lab Info* |
| <input type="checkbox"/> Trip Name | <input type="checkbox"/> Field Gear ID | <input type="checkbox"/> Num of Reqs |
| <input checked="" type="checkbox"/> Activity ID | <input type="checkbox"/> Field Gear Config ID | <input type="checkbox"/> Precision |
| <input checked="" type="checkbox"/> Activity Start* | <input type="checkbox"/> Sample Preservation* | <input type="checkbox"/> Bias |
| <input type="checkbox"/> Activity Stop* | <input type="checkbox"/> Portable Data Logger | <input type="checkbox"/> Conf Level |
| <input checked="" type="checkbox"/> Activity Medium | <input checked="" type="checkbox"/> Characteristic Name | <input type="checkbox"/> Correction for Bias Ind |
| <input type="checkbox"/> Activity Matrix | <input type="checkbox"/> CAS Num | <input type="checkbox"/> Result Document/Graphic Name |
| <input checked="" type="checkbox"/> Activity Type | <input type="checkbox"/> EPA Registry Num | <input type="checkbox"/> Result Document/Graphic URL |
| <input checked="" type="checkbox"/> Activity Category-Rep Num | <input type="checkbox"/> IIS Num | <input type="checkbox"/> Activity Document/Graphic Name |
| <input type="checkbox"/> Activity Intent | <input checked="" type="checkbox"/> Sample Fraction | <input type="checkbox"/> Activity Document/Graphic URL |
| <input type="checkbox"/> Activity Comment* | <input checked="" type="checkbox"/> Value Type | <input type="checkbox"/> Net Tow Info* |
| <input type="checkbox"/> Community Sampled | <input checked="" type="checkbox"/> Statistic Type | <input type="checkbox"/> Electroshock Info* |
| <input checked="" type="checkbox"/> Subject Taxon | <input checked="" type="checkbox"/> Result Value as Text | <input type="checkbox"/> Net Non-Tow Info* |
| <input checked="" type="checkbox"/> Biopart | <input type="checkbox"/> Result Value as Number | <input type="checkbox"/> General Group Info* |
| <input type="checkbox"/> Field Set | <input checked="" type="checkbox"/> Units | <input type="checkbox"/> Multi-Taxon Pop Census Info* |

Number of Results Returned: 7,355

Search Criteria
HUC: 07120004
Organization: IL_EPA

Select 'Back' to modify search parameters and refine your query.
Select Batch Processing to generate the report offline based on your current selections.
You may customize the content of your report by selecting Data Elements below.

Please enter your email address:

Please specify three characters to prefix your report name:

Batch Processing
 Immediate Overnight

<<Back

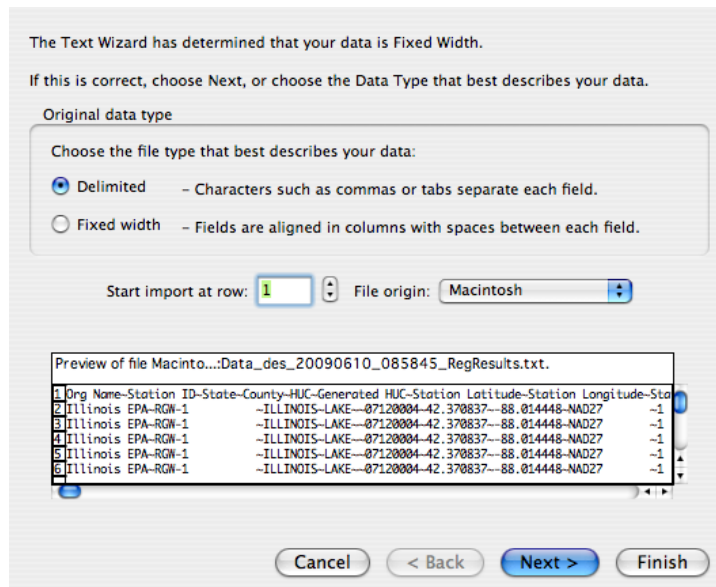
Note: Immediate batch processing is limited to data requests with results up to 300000. Any immediate Batch request over the limit will be automatically scheduled as Overnight Batch.
Note: Download files will exceed maximum limits for spread sheet applications (i.e. EXCEL - Worksheet size: 65,536 Rows.)

When you are ready select "immediate" Batch processing. A message will soon arrive saying your query was accepted. Then you will receive a second email stating your results are ready (unless your file is really big and then it is created overnight).

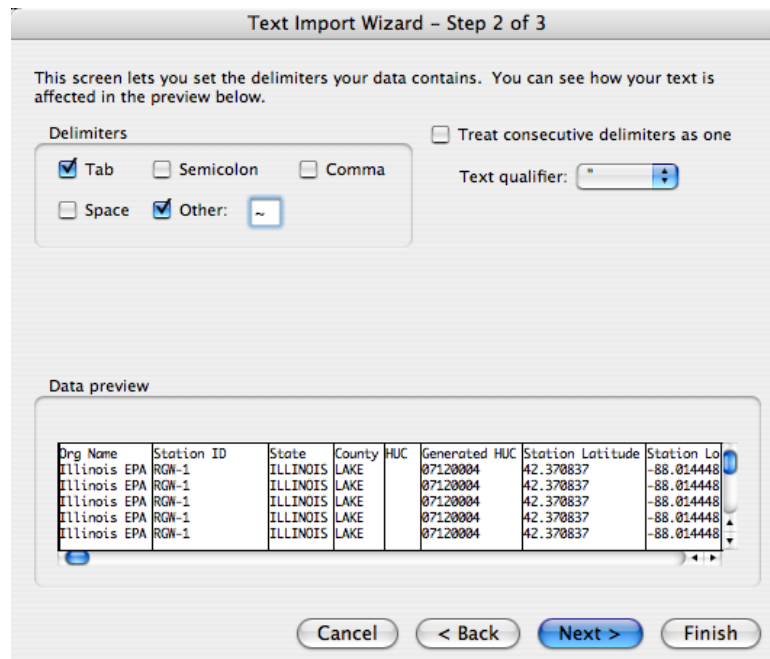
Obtaining the data and opening the file in Excel.

7. When you get the second email from Storet, Click on the link in the email. When asked whether you want to open or save the file, press save and select where to put it. In our case we will be saving it in our workshop folder on the desk top. We will need to unzip and extract the two files. One file is results the other is metadata. Both files are txt files and will be tilde (~) delimited.

8. Use Excel to find and open the results file (open from what ever directory you saved it in).When opening, select "delimited file" in the text import wizard. Push next.



Now select "other" and type a tilde into the open space "~". Press next. Press finish. You now have an excel spreadsheet.



9. Remember to save as an Excel file, not as a txt file.