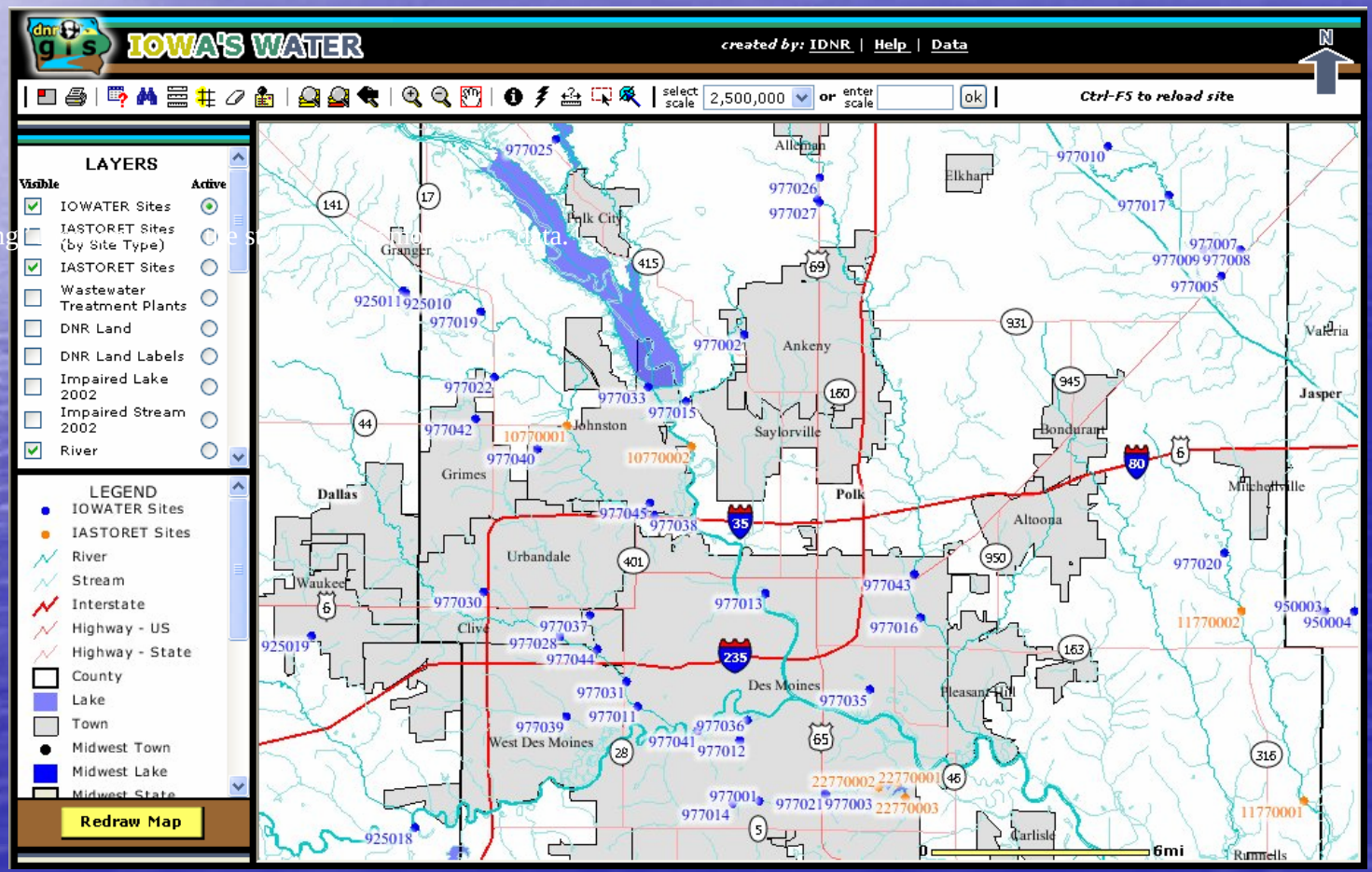
Distributing Iowa's Water Quality Data Using STORET and ArcIMS

Joost Korpel
Iowa Department of Natural Resources



Iowa Water Monitoring Program:
wqm.igsb.uiowa.edu

Iowa STORET Data:
wqm.igsb.uiowa.edu/iastoret

Iowa Water Monitoring Atlas:
igsims.igsb.uiowa.edu/website/water_monitoring

Goals for Iowa STORET

- "One-stop shopping" location for all the state's water monitoring data.
- Simplified Web Retrieval
- Customized for Iowa's users
- Basic online analytic capability.
  - Query by analyte and value range
  - Basic online graphing
  - Basic GIS spatial analysis
- Export results for use with industry standard software
  - Pipe Delimeted
  - Xml
- Must be compatible with National STORET

STORET Table of Contents - Microsoft Internet Explorer

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Welcome to Iowa's STORET Database

The ambient water quality program is a diverse program responsible for the collection, analysis and dissemination of information on Iowa's rivers, lakes, groundwater and wetlands. Physical, chemical, biological and habitat data are administered as part of this program. To handle this complex data set, the Iowa Department of Natural Resources (IDNR) is using the Environmental Protection Agency (EPA) database called STORET (STOrage and RETrieval). Iowa's STORET database runs on a Oracle™ database platform and is managed by the water monitoring section of the Iowa Geological Survey Bureau. Ultimately, the water monitoring section envisions Iowa STORET as a "one-stop shopping" location for all the state's water monitoring data. For information on current and future monitoring data in STORET click here.

Water quality data is available from the following Organizations.
Please select one from the list below:

21IOWA - Iowa Dept. of Natural Resources
IOWATER - Iowa Volunteer Water Monitoring Program

Submit Reset

Iowa STORET Program Summary - Microsoft Internet Explorer
File Edit View Favorites Tools Help HotSend

Program Summary

4/26/2004

21IOWA Iowa Dept. of Natural Resources

Organizational Program Agricultural Drainage Well Closure: Floyd County

This program will monitor and document groundwater quality improvements resulting from the closure of three agricultural drainage wells (ADWs) in central Floyd County. These ADWs discharge nonpoint source pollutants from agricultural tile drainage and some runoff into the three-part (upper, middle and lower) Devonian carbonate aquifer system. Two of the ADWs proposed for closure are 65 feet deep and are injecting water into the upper Devonian aquifer while the third ADW is over 300 feet deep and is injecting water into all three of the aquifers. As of August 1994, closure plans for two additional ADWs near the proposed area of study have been reviewed and approved. One of these wells is over 300 feet deep and is relatively near the other deep well. This affords an opportunity to monitor the effects of five ADW closures: two deep (>300 feet) ADWs as well as three shallower ADWs in the Devonian aquifer system. In this area the Devonian aquifers are covered with over 50 feet of low permeability materials and past investigations have shown that groundwaters in such areas are naturally protected from agricultural contaminants.

Project	ADW1995	Ag Drainage Well Closure Project (Floyd Co.) WY1995
Project	ADW1996	Ag Drainage Well Closure Project (Floyd Co.) WY1996
Project	ADW1997	Ag Drainage Well Closure Project (Floyd Co.) WY1997
Project	ADW1998	Ag Drainage Well Closure Project (Floyd Co.) WY1998

Done Internet

Iowa STORET Project Summary - Microsoft Internet Explorer
File Edit View Favorites Tools Help HotSend

Project Summary

4/26/2004

21IOWA Iowa Dept. of Natural Resources

Project AMB2003 Enhanced Ambient Surface Water Monitoring FY03

Start Date 10/1/2002 **Planned Duration** one year

Purpose Purpose of this project is to assess Iowa's surface water resources for ambient conditions.

Project Design University Hygienic Laboratory personnel collect samples from 59 fixed stations every month. The original 16 monthly stations remain as the core monitoring stations. The Monona-Harrison Ditch, South Skunk River at Ames, Des Moines River in Ottumwa, and the Winnebago River in Mason City stations were discontinued in FY01. Samples are to be taken on a fixed day within the month to ensure consistency, but some leeway is provided. Additionally, 7 sites (one in each ecoregion) will have flow-driven sampling. At these 7 sites, additional samples, not to exceed one daily, will be obtained promptly when the following stream threshholds are achieved after March 1: The first time discharge reaches the 50th percentile based on historical flow records (based on USGS flow records), each time discharge reaches the 75th percentile level following a lower discharge (weekly samples to be drawn if discharge remains above the 75th percentile, unless the monthly sample is scheduled that week), and each time discharge reaches the 90th percentile of historical flow levels. These additional samples will total no more than 18 events in addition to the 12 monthly samples.

Done Internet

Iowa STORET Station Summary - Microsoft Internet Explorer
File Edit View Favorites Tools Help HotSend

Station Summary

4/26/2004

21IOWA Iowa Dept. of Natural Resources

Station 10300001 / Little Sioux River near Milford

Station Type River/Stream

Location Type *POINT OF RECORD **Seq #**

Latitude 43.3189

Longitude -95.1811

Method Invalid

Datum Invalid

Elevation 1360ft

Measure

Method Invalid

Datum Invalid

Hydrologic Unit Code/Name 10230003 / Little Sioux..

RF1 River Reach --- / ---

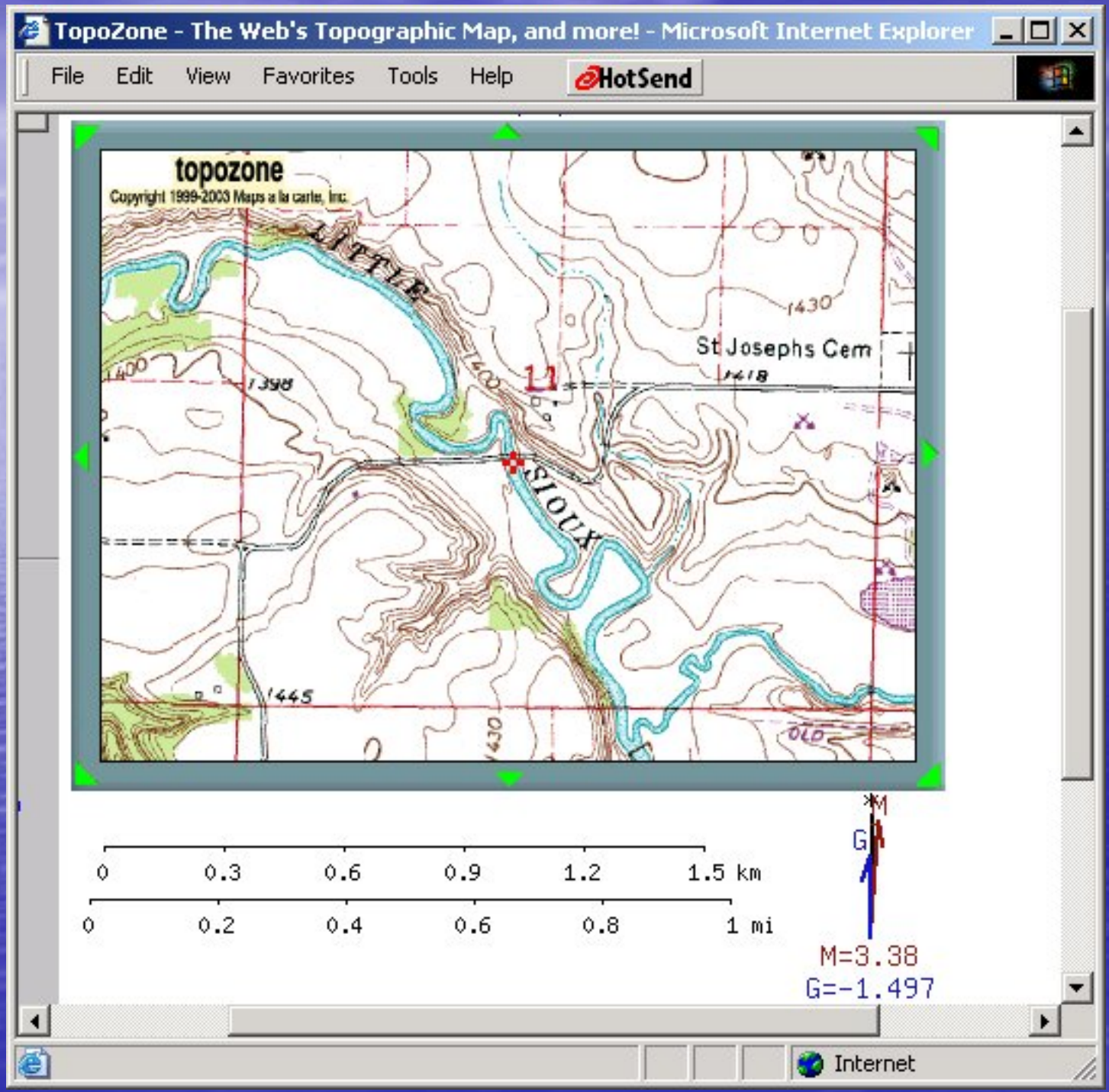
Primary County Assignment

County: DICKINSON

State/Province: IOWA

Country: UNITED STATES

Done Internet


TopoZone - The Web's Topographic Map, and more! - Microsoft Internet Explorer
File Edit View Favorites Tools Help
HotSend
topozone
Copyright 1999-2003 Maps a la carte, Inc.
LITTLE
SIOUX
St Josephs Cem
1430
1400
1398
1445
0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi
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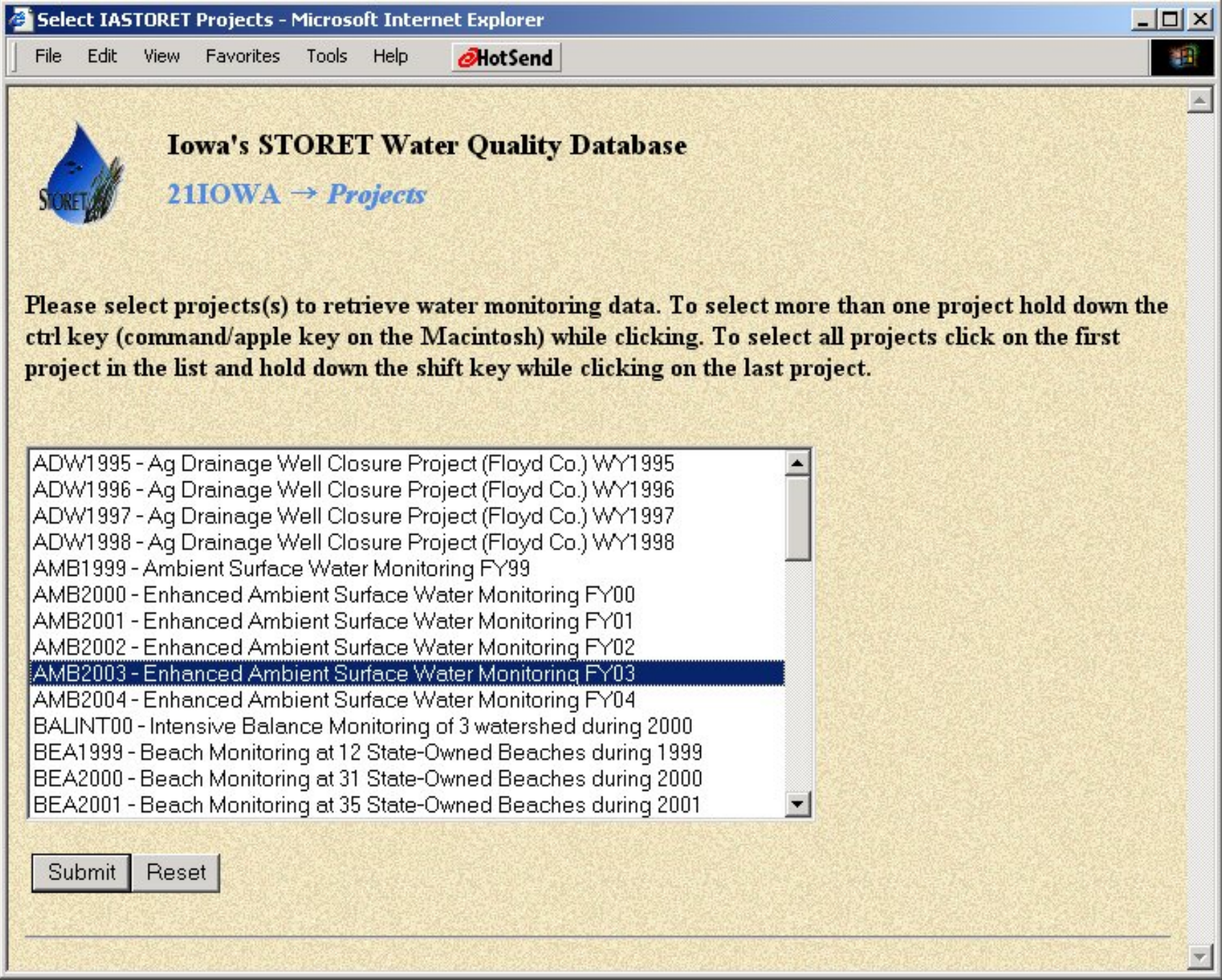
Internet


Select IASTORET Projects - Microsoft Internet Explorer
File Edit View Favorites Tools Help HotSend
Iowa's STORET Water Quality Database
21IOWA → Projects
Please select projects(s) to retrieve water monitoring data. To select more than one project hold down the ctrl key (command/apple key on the Macintosh) while clicking. To select all projects click on the first project in the list and hold down the shift key while clicking on the last project.
ADW1995 - Ag Drainage Well Closure Project (Floyd Co.) WY1995
ADW1996 - Ag Drainage Well Closure Project (Floyd Co.) WY1996
ADW1997 - Ag Drainage Well Closure Project (Floyd Co.) WY1997
ADW1998 - Ag Drainage Well Closure Project (Floyd Co.) WY1998
AMB1999 - Ambient Surface Water Monitoring FY99
AMB2000 - Enhanced Ambient Surface Water Monitoring FY00
AMB2001 - Enhanced Ambient Surface Water Monitoring FY01
AMB2002 - Enhanced Ambient Surface Water Monitoring FY02
AMB2003 - Enhanced Ambient Surface Water Monitoring FY03
AMB2004 - Enhanced Ambient Surface Water Monitoring FY04
BALINT00 - Intensive Balance Monitoring of 3 watershed during 2000
BEA1999 - Beach Monitoring at 12 State-Owned Beaches during 1999
BEA2000 - Beach Monitoring at 31 State-Owned Beaches during 2000
BEA2001 - Beach Monitoring at 35 State-Owned Beaches during 2001
Submit
Reset

IaStoret Project(s) selection - Microsoft Internet Explorer

File Edit View Favorites Tools Help HotSend

Iowa's STORET Water Quality Database

21IOWA → Projects → *Stations*

Select Geographic Search Option:

** **To select more than one choice from a list, hold down the ctrl key (command/apple key on the Macintosh) while clicking. To select all choices click on the first choice in the list and hold down the shift key while clicking on the last choice.**

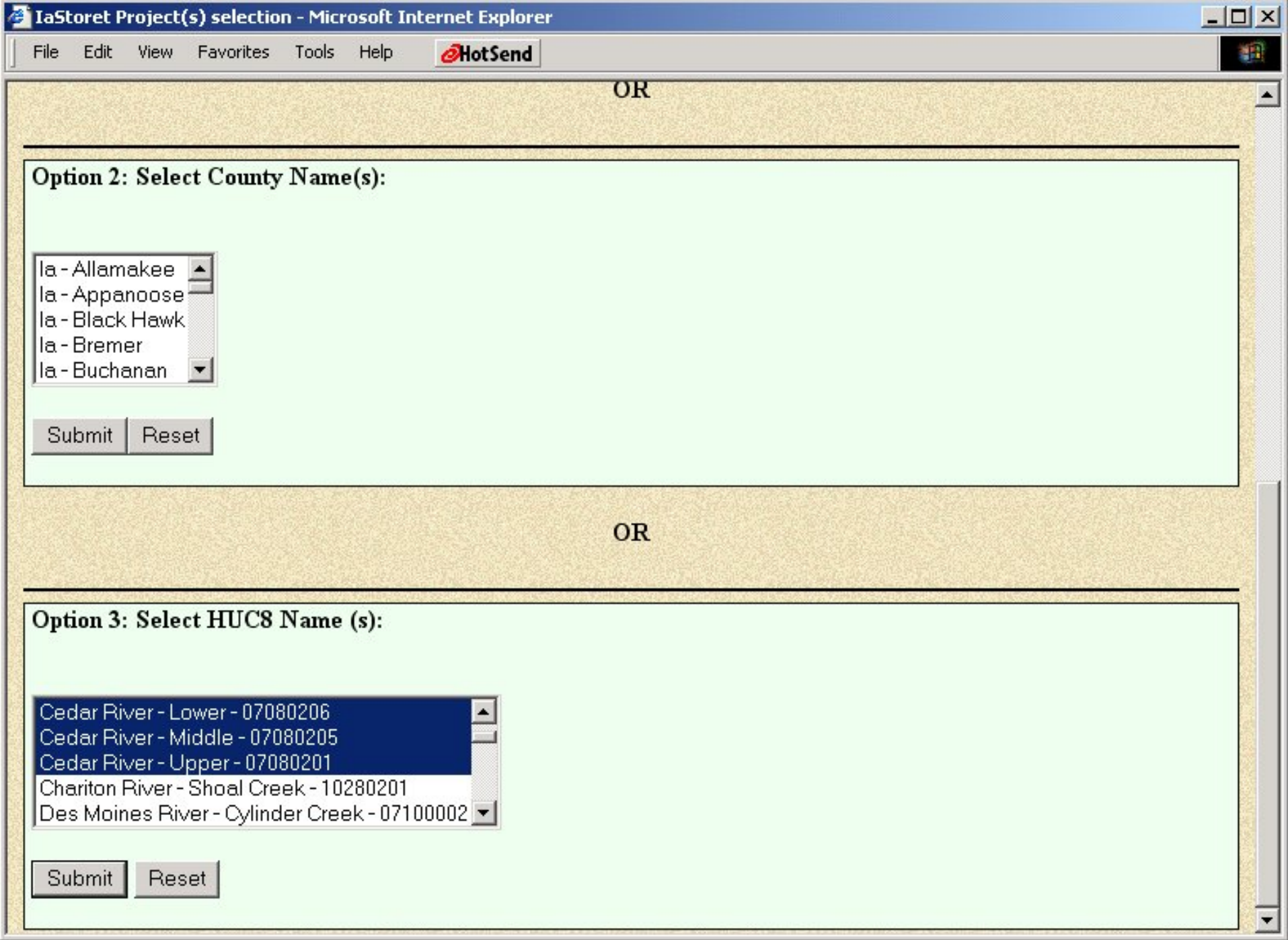
Option 1: Select Station Name(s):

Beaver Creek near Cedar Falls - 10070001
Beaver Creek near Grimes - 10770001
Big Spring (BSP) - 30220001
Black Hawk Creek at Waterloo - 10070004
Bloody Run Creek Site #1 (BR01) - 10220003

Submit Reset

OR

Option 2: Select County Name(s):


IaStoret Project(s) selection - Microsoft Internet Explorer
File Edit View Favorites Tools Help HotSend
OR
Option 2: Select County Name(s):
Ia - Allamakee
Ia - Appanoose
Ia - Black Hawk
Ia - Bremer
Ia - Buchanan
Submit Reset
OR
Option 3: Select HUC8 Name (s):
Cedar River - Lower - 07080206
Cedar River - Middle - 07080205
Cedar River - Upper - 07080201
Chariton River - Shoal Creek - 10280201
Des Moines River - Cylinder Creek - 07100002
Submit Reset

IaStoret Parameter(s) selection by County - Microsoft Internet Explorer

File Edit View Favorites Tools Help HotSend

Iowa's STORET Water Quality Database

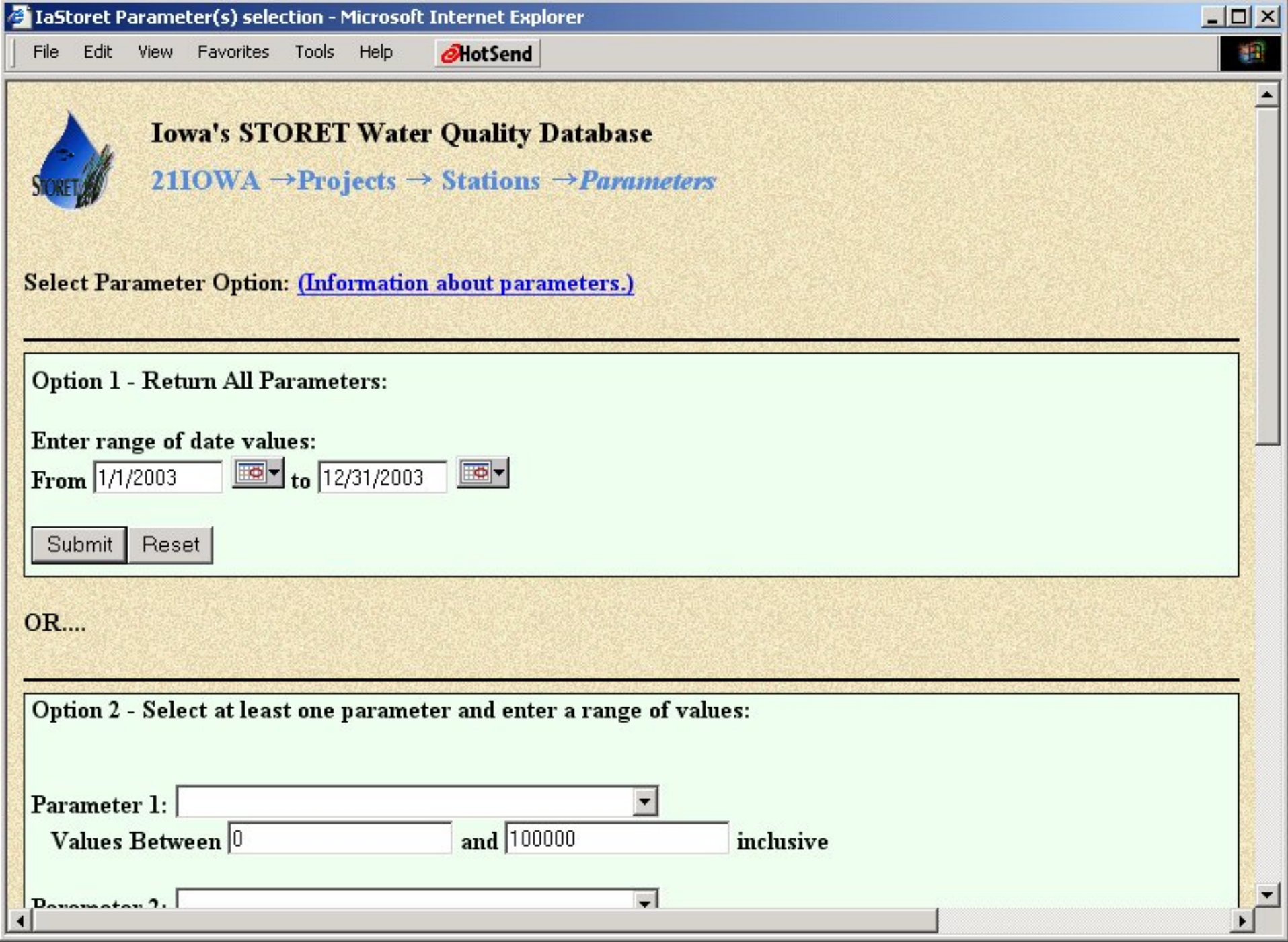
21IOWA → Projects →Hydrologic Basin (HUC8) → *Stations*

** To select more than one choice from a list, hold down the ctrl key (command/apple key on the Macintosh) while clicking. To select all choices click on the first choice in the list and hold down the shift key while clicking on the last choice.

Option 1: Select Station Name(s):

ADW-1 - 35340020
ADW-2 - 35340021
ADW-3 - 35340022
Beaver Creek near Cedar Falls - 10070001
Bennett Creek SW of Bennett (10) - 11160001
Black Hawk Creek at Popp Access (17) - 11070003
Black Hawk Creek at Waterloo - 10070004
Black Hawk Creek at Waterloo (15) - 11070005
Black Hawk Creek in Waterloo (14) - 11070002
Black Hawk Creek NE of Hudson (16) - 11070004

Submit Reset



IaStoret Parameter(s) selection - Microsoft Internet Explorer

File Edit View Favorites Tools Help HotSend

Iowa's STORET Water Quality Database

21IOWA →Projects → Stations →*Parameters*

Select Parameter Option: (Information about parameters.)

Option 1 - Return All Parameters:

Enter range of date values:

From 1/1/2003 **to** 12/31/2003

Submit Reset

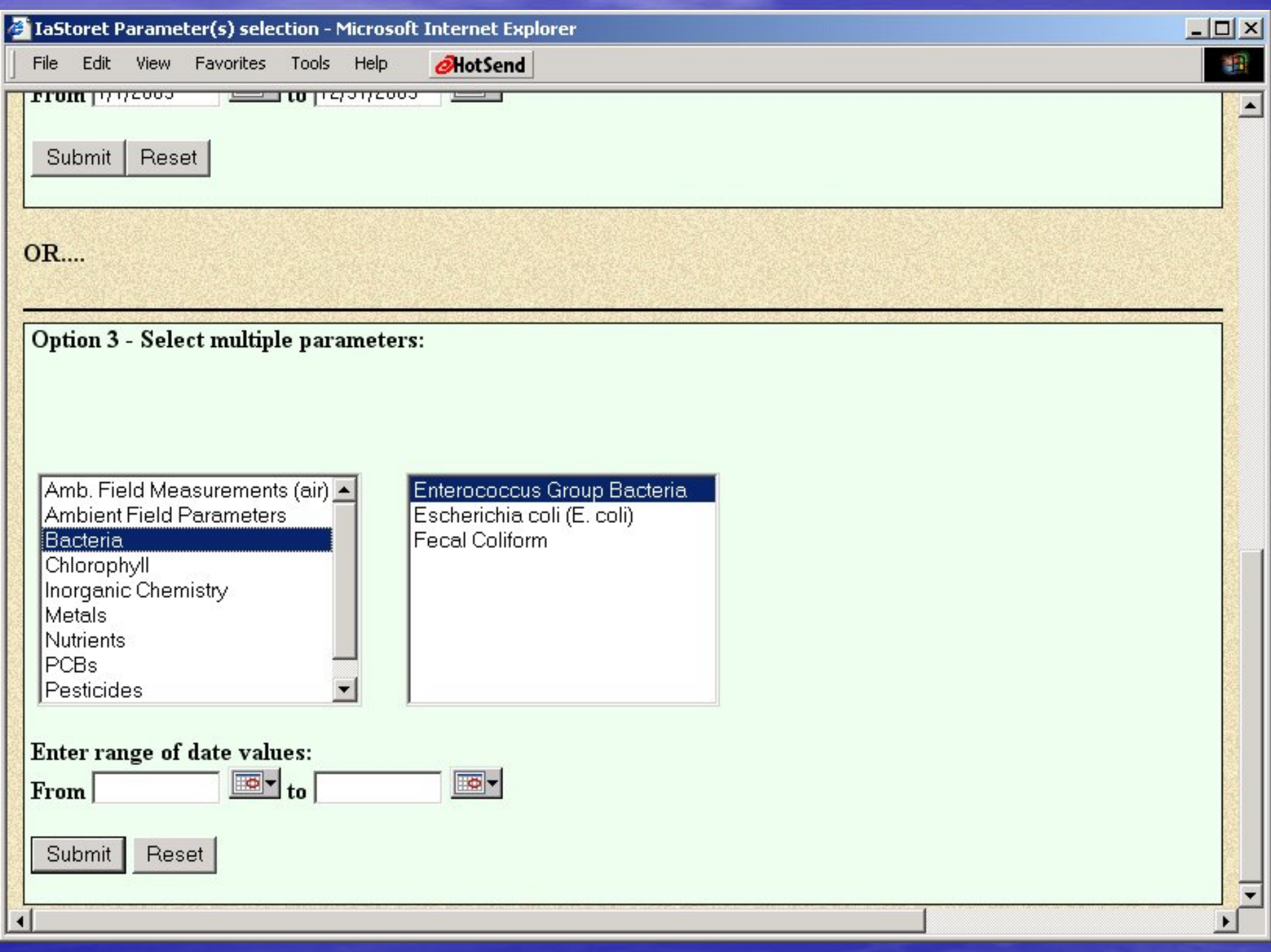
OR....

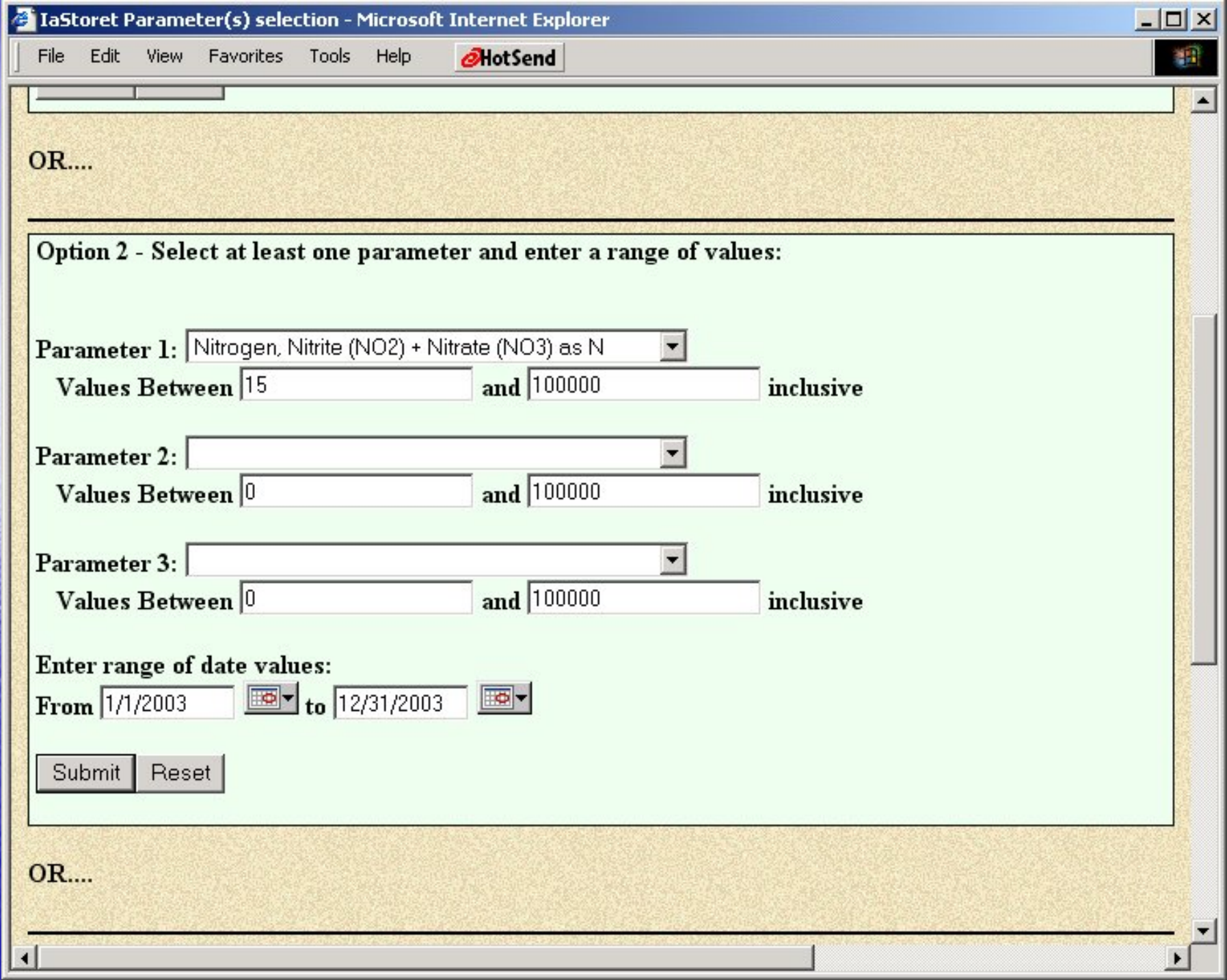
Option 2 - Select at least one parameter and enter a range of values:

Parameter 1:

Values Between 0 **and** 100000 **inclusive**

Parameter 2:


IaStoret Parameter(s) selection - Microsoft Internet Explorer
File Edit View Favorites Tools Help HotSend
From to
Submit Reset
OR....
Option 3 - Select multiple parameters:
Amb. Field Measurements (air)
Ambient Field Parameters
Bacteria
Chlorophyll
Inorganic Chemistry
Metals
Nutrients
PCBs
Pesticides
Enterococcus Group Bacteria
Escherichia coli (E. coli)
Fecal Coliform
Enter range of date values:
From to
Submit Reset


IaStoret Parameter(s) selection - Microsoft Internet Explorer
File Edit View Favorites Tools Help HotSend
OR....
Option 2 - Select at least one parameter and enter a range of values:
Parameter 1: Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N
Values Between 15 and 100000 inclusive
Parameter 2:
Values Between 0 and 100000 inclusive
Parameter 3:
Values Between 0 and 100000 inclusive
Enter range of date values:
From 1/1/2003 to 12/31/2003
Submit Reset
OR....

http://128.255.252.31/iastoret/srchParameters/resultsFrame.asp - Microsoft Internet Explorer

File Edit View Favorites Tools Help HotSend

Iowa's STORET Water Quality Database

ADW-1 -35340020

Pivot table

21IOWA → Projects → Stations → *Results*

Start over! | Export results | Graph results | Station Info

11380003	M.F. South Beaver Creek NW of Wellsburg (45)	5/15/2003 11:00:00 AM	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	17	mg/l
11380003	M.F. South Beaver Creek NW of Wellsburg (45)	6/12/2003 11:00:00 AM	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	19	mg/l
11380003	M.F. South Beaver Creek NW of Wellsburg (45)	6/23/2003 10:30:00 AM	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	17	mg/l
11380003	M.F. South Beaver Creek NW of Wellsburg (45)	6/30/2003 10:45:00 AM	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	18	mg/l
11380003	M.F. South Beaver Creek NW of Wellsburg (45)	7/16/2003 10:45:00 AM	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	17	mg/l
11420001	M.F. South Beaver Creek at Ackley (47)	5/15/2003 11:45:00 AM	Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N	18	mg/l

Done Internet

Iowater Graph - Microsoft Internet Explorer

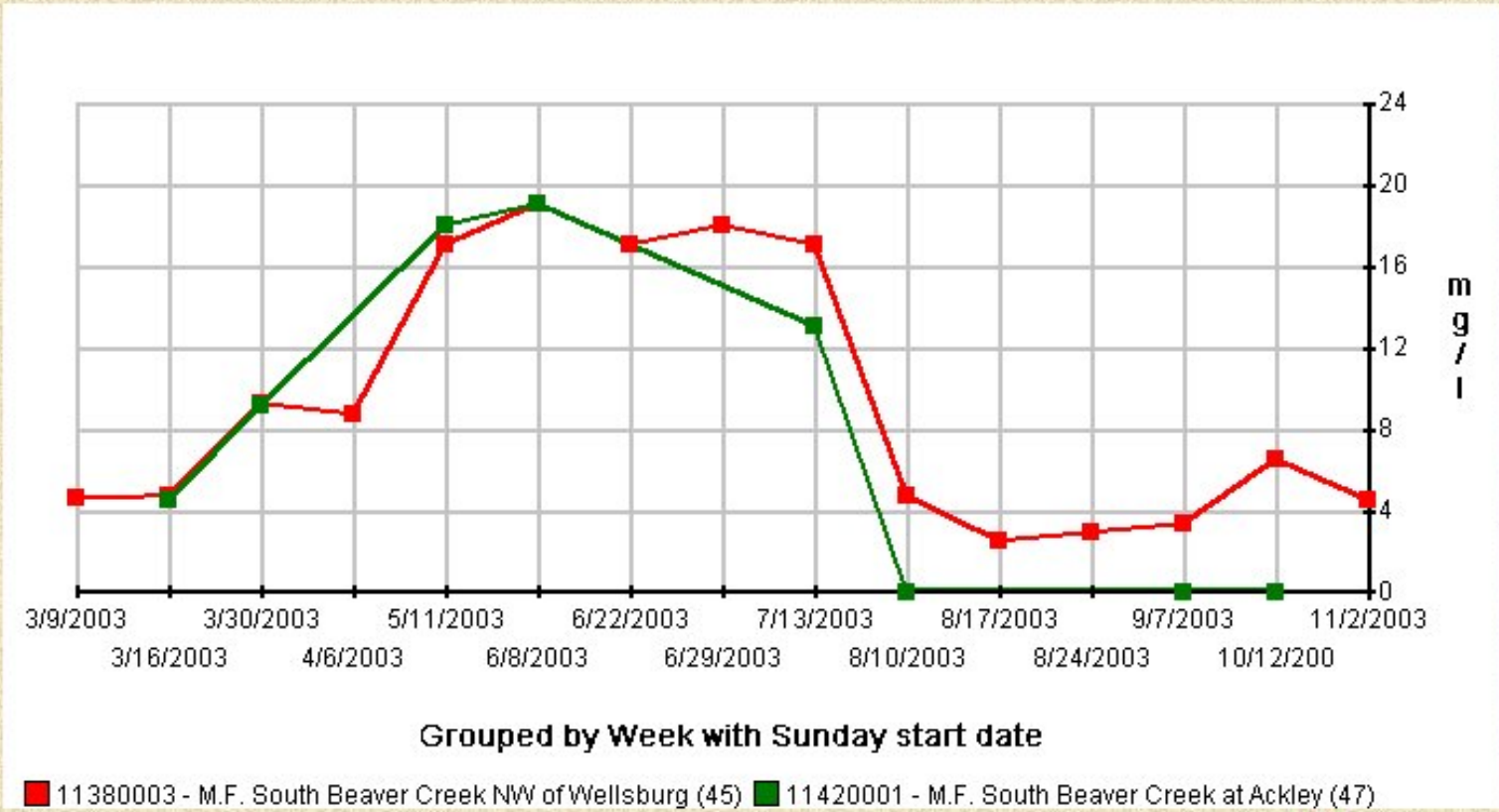
File Edit View Favorites Tools Help HotSend

Iowa's STORET Water Quality Database

Please select graphing options:

Group Series By: Parameter | Group Time By: Week | Graph Type: MultiLine | Make Graph

Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N



Internet

IASTORET Export Results - Microsoft Internet Explorer

File Edit View Favorites Tools Help HotSend

Iowa's STORET Water Quality Database

→Projects → Stations →*Parameters*

Select an Export Option:

Pipe delimited text file - brief results format

Pipe delimited text file - detailed results format

XML file - brief results format

XML file - detailed results format

Internet

IASTORET Pipe Delimited Results - Microsoft Internet Explorer

File Edit View Favorites Tools Help HotSend

STORET ID|Station Name|Start Date|Parameter|Result|Detect Status|Units|Detection Limit|Analytical Method|
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|3/13/2003 11:30:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|4.6|4.6 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|3/19/2003 10:30:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|4.7|4.7 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|4/1/2003 11:30:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|9.2|9.2 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|4/8/2003 1:00:00 PM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|8.7|8.7 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|5/15/2003 11:00:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|17|17 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|6/12/2003 11:00:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|19|19 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|6/23/2003 10:30:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|17|17 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|6/30/2003 10:45:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|18|18 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|7/16/2003 10:45:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|17|17 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|8/13/2003 11:00:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|4.7|4.7 |mg/l |0.1 |USEPA -353.2 |
11380003 |M.F. South Beaver Creek NW of Wellsburg (45)|8/13/2003 11:00:00 AM|Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N|4.7|4.7 |mg/l |0.1 |USEPA -353.2 |
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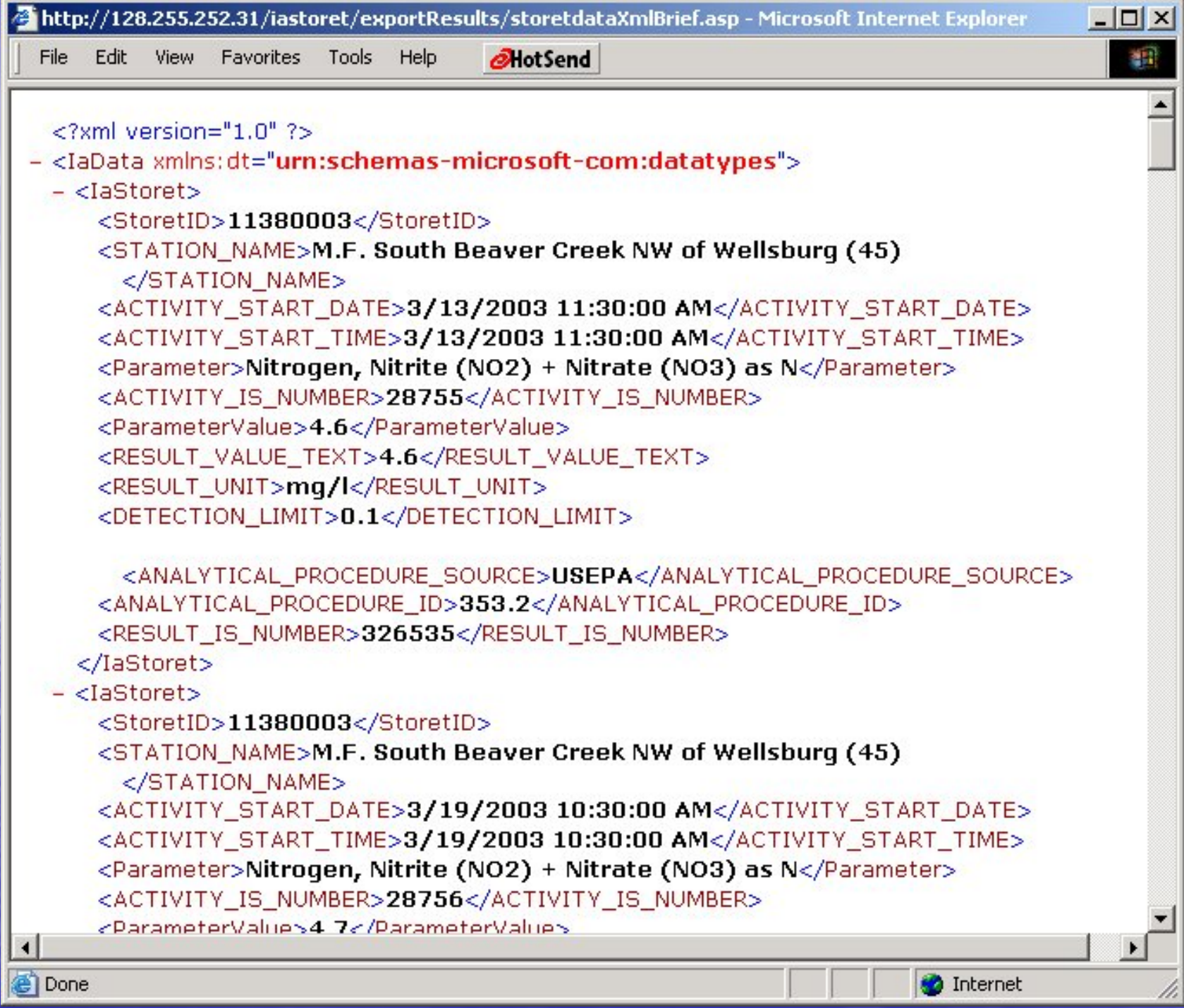
Done Internet


http://128.255.252.31/iastoret/exportResults/storetdataXmlBrief.asp - Microsoft Internet Explorer
File Edit View Favorites Tools Help
HotSend
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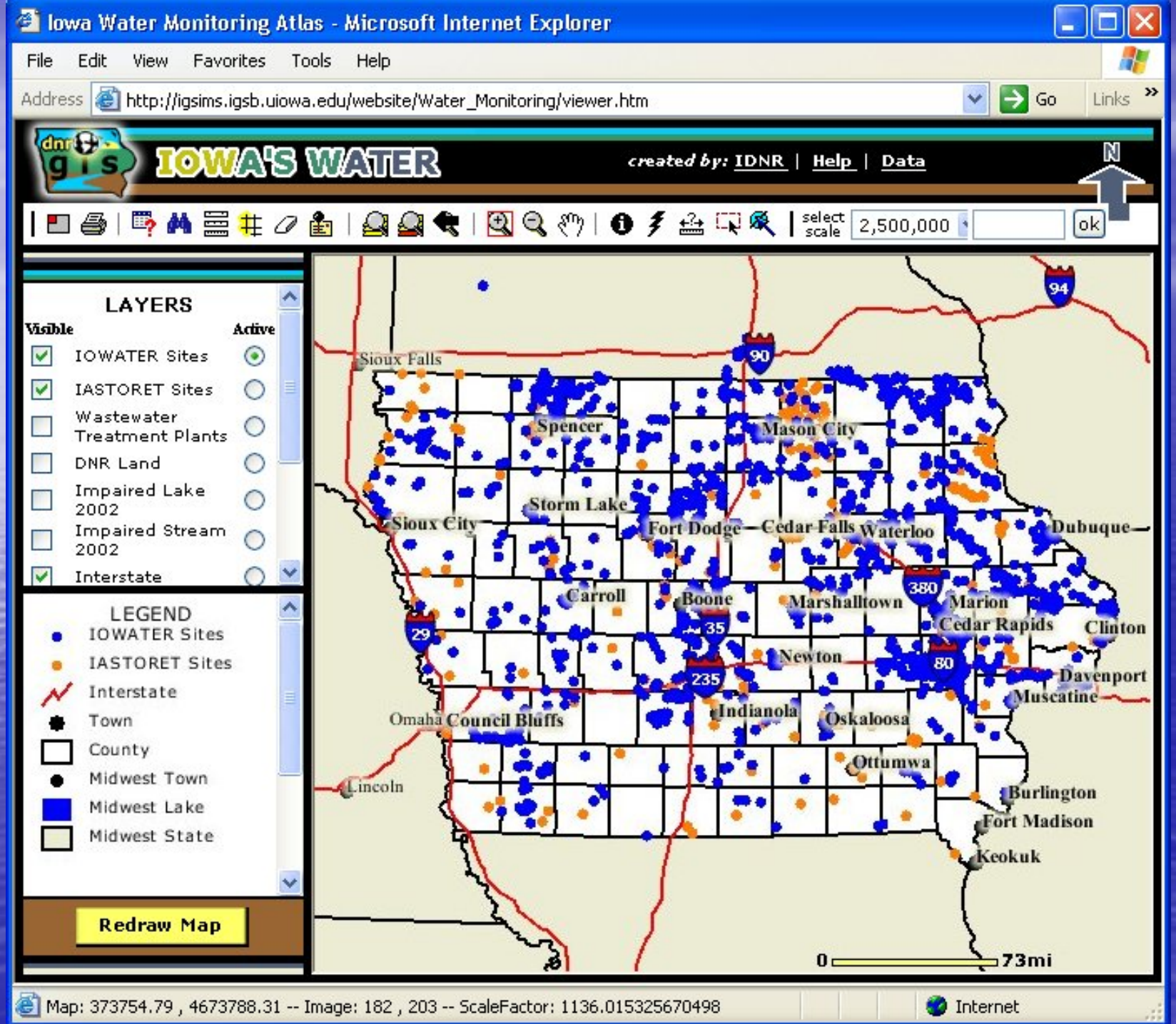
Done
Internet

Iowa Water Monitoring Program:
wqm.igsb.uiowa.edu

Iowa STORET Data:
wqm.igsb.uiowa.edu/iastoret

Iowa Water Monitoring Atlas:
igsims.igsb.uiowa.edu/website/water_monitoring


Iowa Water Monitoring Atlas - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://igsims.igsb.uiowa.edu/website/Water_Monitoring/viewer.htm
Go
Links
IOWA'S WATER
created by: IDNR | Help | Data
N
select scale
2,500,000
ok
LAYERS
Visible
Active
IOWATER Sites
IASTORET Sites
Wastewater Treatment Plants
DNR Land
Impaired Lake 2002
Impaired Stream 2002
Interstate
LEGEND
IOWATER Sites
IASTORET Sites
Interstate
Town
County
Midwest Town
Midwest Lake
Midwest State
Redraw Map
Sioux Falls
Spencer
Mason City
Storm Lake
Sioux City
Fort Dodge
Cedar Falls
Waterloo
Dubuque
Carroll
Boone
Marshalltown
Marion
Cedar Rapids
Clinton
Newton
Davenport
Muscatine
Omaha
Council Bluffs
Indianola
Oskaloosa
Ottumwa
Lincoln
Burlington
Fort Madison
Keokuk
94
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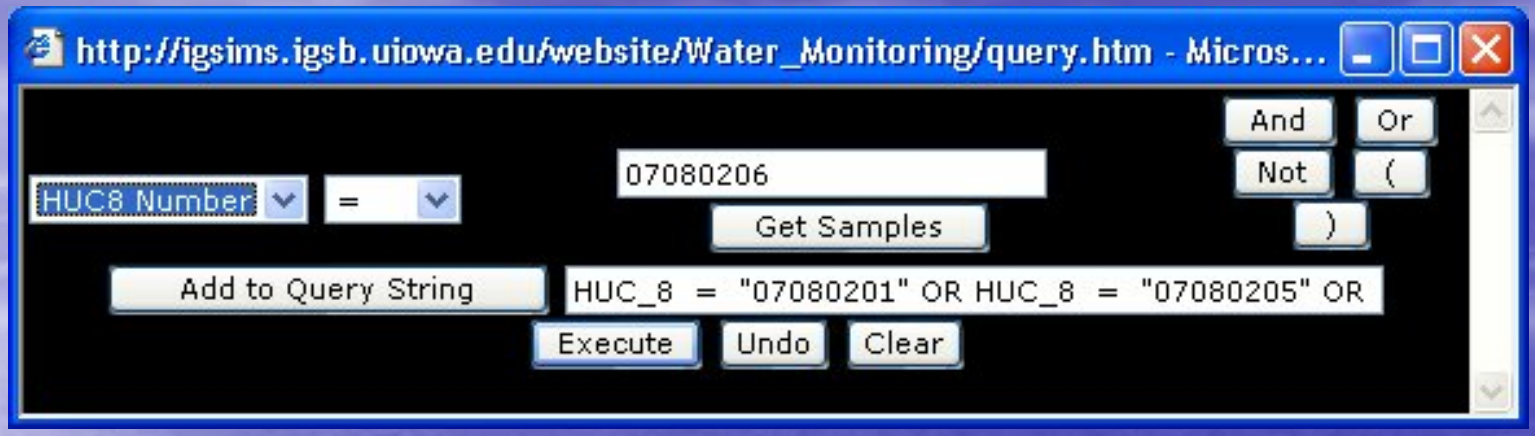
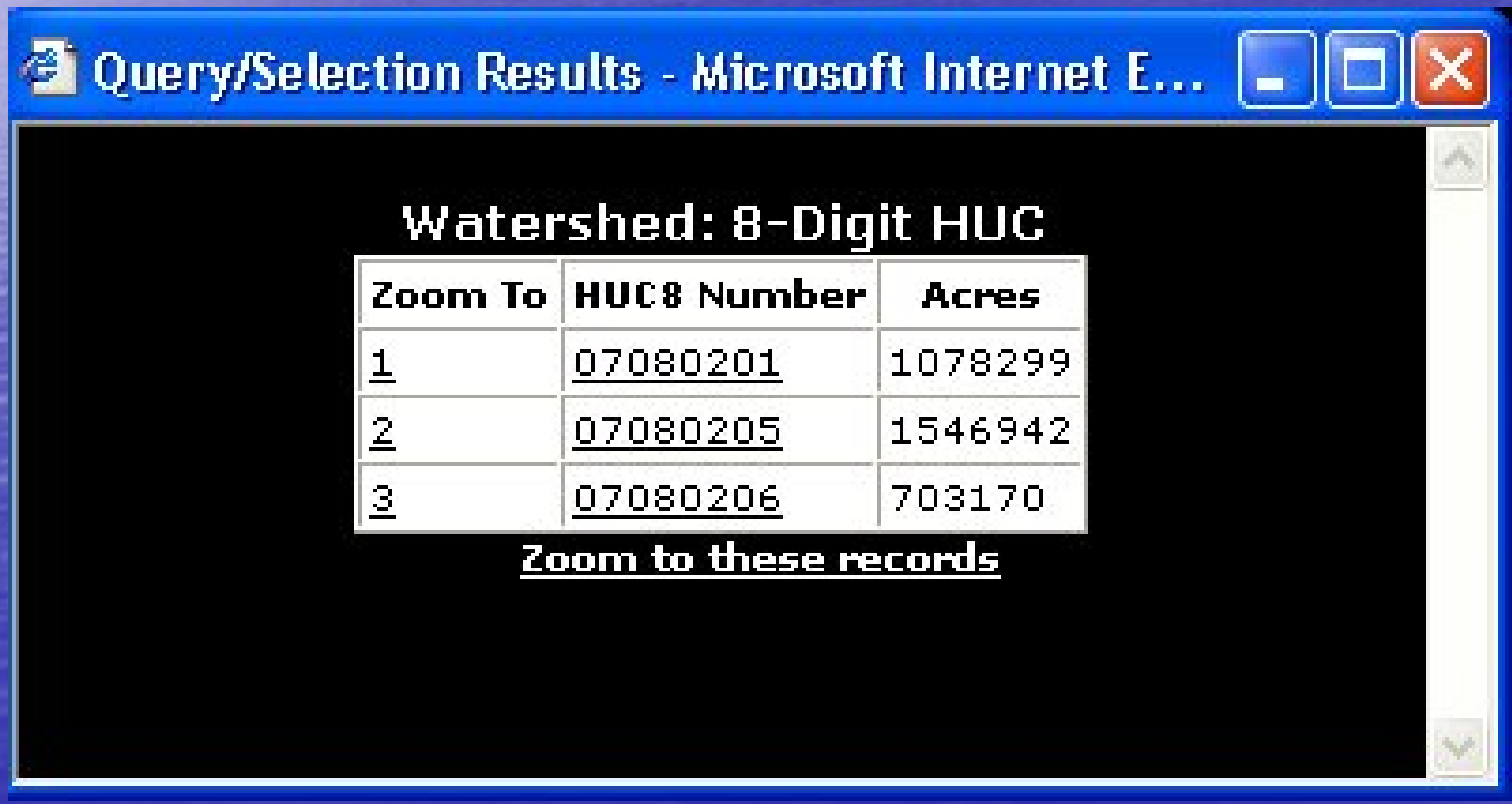
Internet


http://igsims.igsb.uiowa.edu/website/Water_Monitoring/query.htm - Micros...
And
Or
Not
(
)
HUC8 Number
=
07080206
Get Samples
Add to Query String
HUC_8 = "07080201" OR HUC_8 = "07080205" OR
Execute
Undo
Clear


Query/Selection Results - Microsoft Internet E...
Watershed: 8-Digit HUC
Zoom To
HUC8 Number
Acres
1
07080201
1078299
2
07080205
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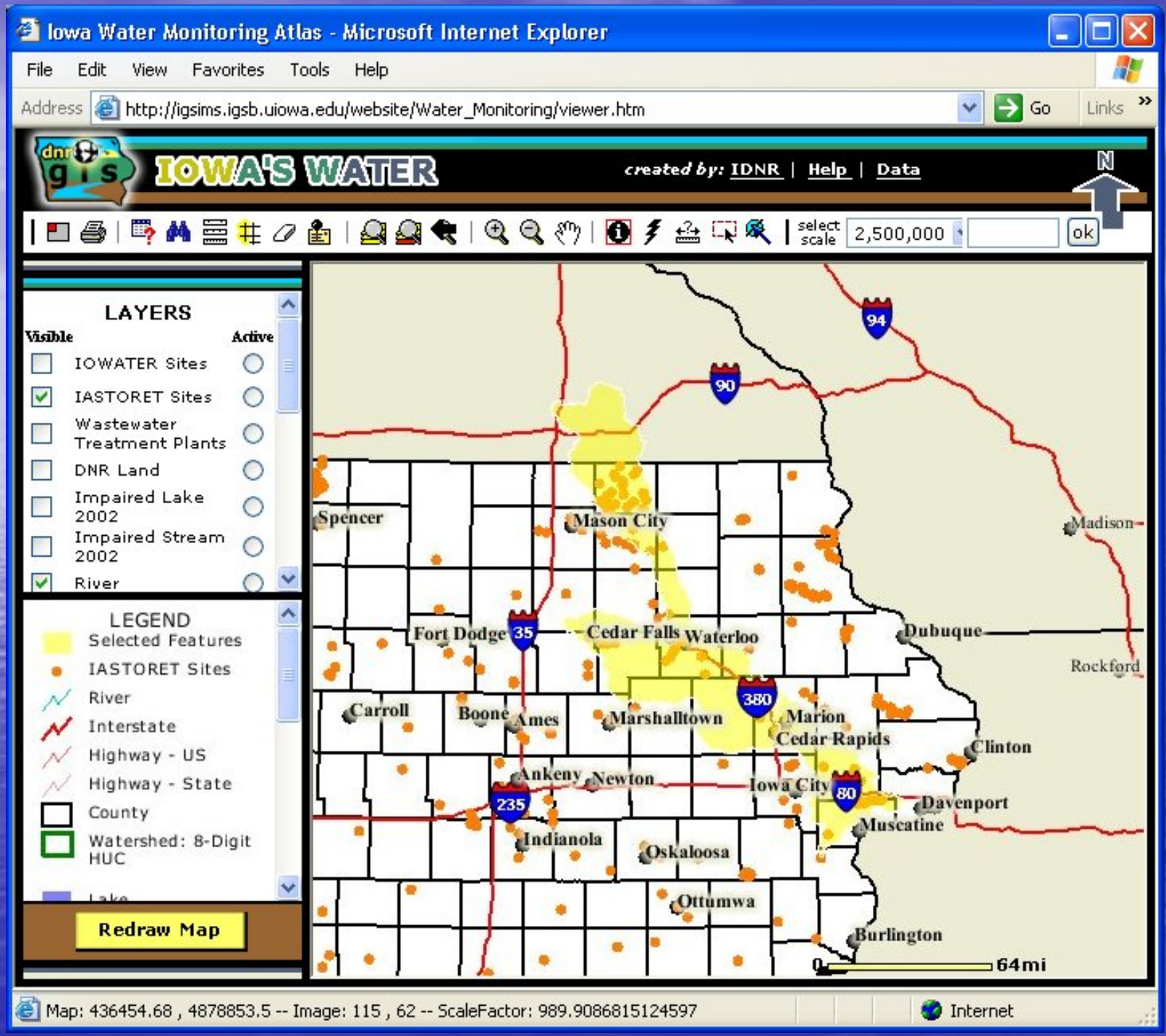
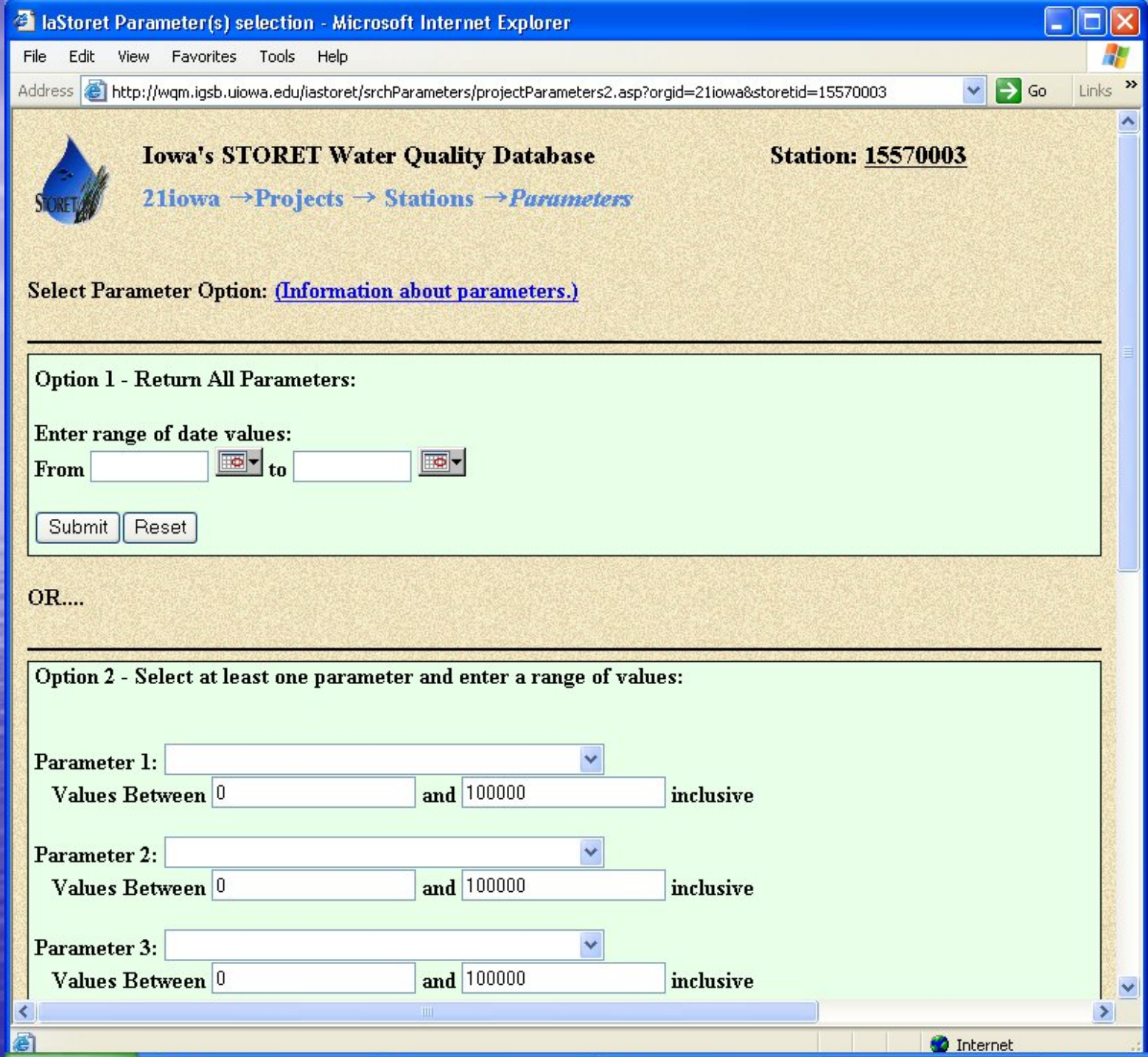
07080206
703170
Zoom to these records

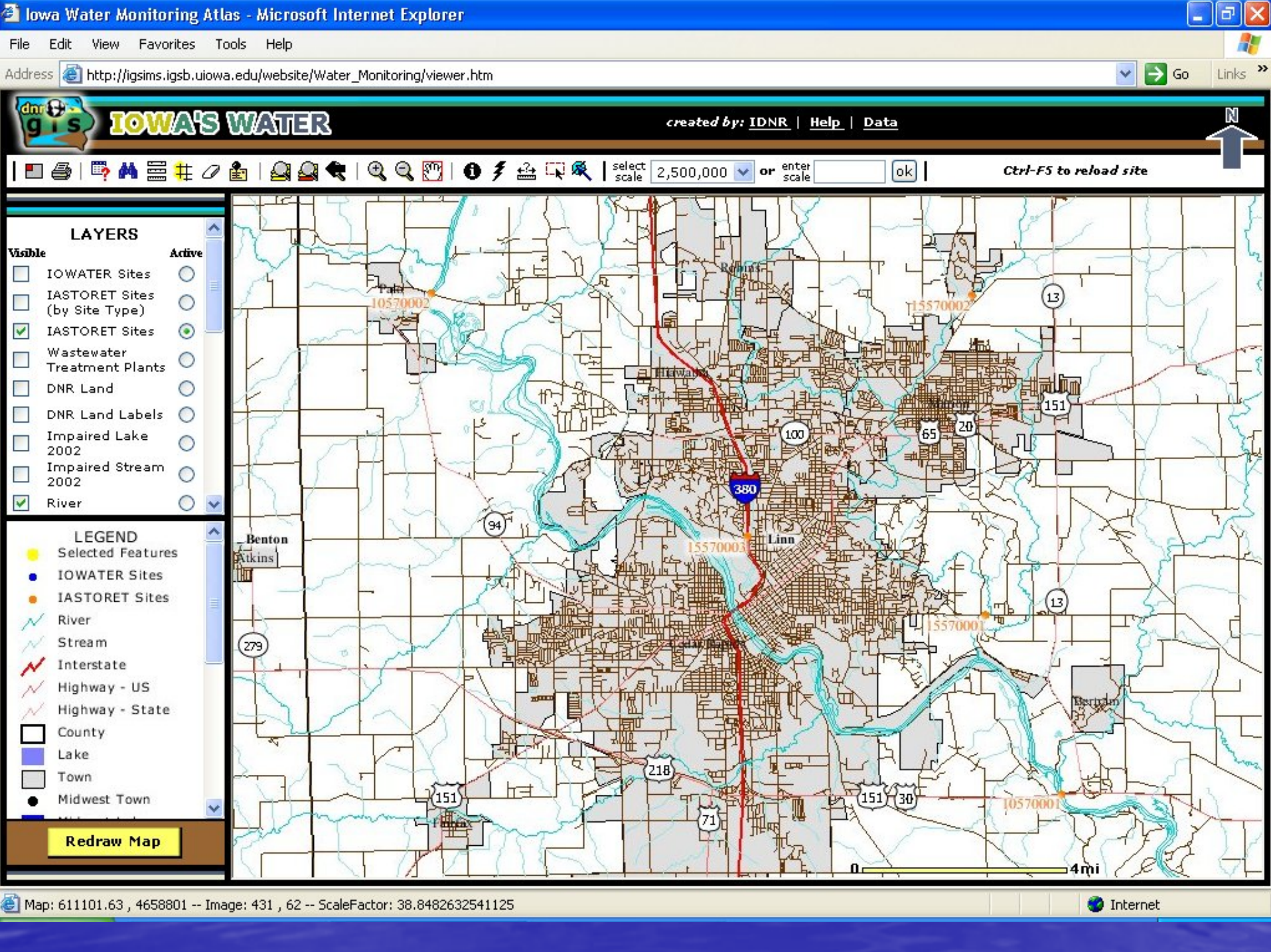

Iowa Water Monitoring Atlas - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://igsims.igsb.uiowa.edu/website/Water_Monitoring/viewer.htm
Go
Links
IOWA'S WATER
created by: IDNR | Help | Data
N
select scale
2,500,000
ok
LAYERS
Visible
Active
IOWATER Sites
IASTORET Sites
Wastewater Treatment Plants
DNR Land
Impaired Lake 2002
Impaired Stream 2002
River
LEGEND
Selected Features
IASTORET Sites
River
Interstate
Highway - US
Highway - State
County
Watershed: 8-Digit HUC
Redraw Map
Spencer
Mason City
Madison
Fort Dodge
Cedar Falls
Waterloo
Dubuque
Rockford
Carroll
Boone
Ames
Marshalltown
Marion
Cedar Rapids
Clinton
Ankeny
Newton
Iowa City
Davenport
Muscatine
Indianola
Oskaloosa
Ottumwa
Burlington
0
64mi
94
90
35
380
235
80
Map: 436454.68 , 4878853.5 -- Image: 115 , 62 -- ScaleFactor: 989.9086815124597
Internet

Query/Selection Results - Microsoft Internet Explorer

IASTORET Sites

Zoom To	STORET ID	Station Name	County Name	County Code	Site Type	Station Type	HUC8 Name
26	35660025	FM 483	MITCHELL	19131	Floyd Mitchell Groundwater Pro	Well	07080201
27	35660026	FM 663	MITCHELL	19131	Floyd Mitchell Groundwater Pro	Well	07080201
28	35660027	FM 320	MITCHELL	19131	Floyd Mitchell Groundwater Pro	Well	07080201
29	35660028	FM 699	MITCHELL	19131	Floyd Mitchell Groundwater Pro	Well	07080201
30	35340002	FM1-2	FLOYD	19067	Floyd Mitchell Groundwater Pro	Well	07080201
31	35340003	FM1-3	FLOYD	19067	Floyd Mitchell Groundwater Pro	Well	07080201
32	35340004	FM1-4	FLOYD	19067	Floyd Mitchell Groundwater Pro	Well	07080201
33	35660001	FM2-1	MITCHELL	19131	Floyd Mitchell Groundwater Pro	Well	07080201
34	35660002	FM2-2	MITCHELL	19131	Floyd Mitchell Groundwater Pro	Well	07080201
35	35660003	FM2-3	MITCHELL	19131	Floyd Mitchell Groundwater Pro	Well	07080201
36	35660004	FM2-4	MITCHELL	19131	Floyd Mitchell Groundwater Pro	Well	07080201
37	15570003	McCloud Run at Cedar Rapids	LINN	19113	Sny Magill 319 Project	River/Stream	07080205
38	15570002	Indian Creek near Marion	LINN	19113	Sny Magill 319 Project	River/STream	07080206
39	15570001	Indian Creek near Cedar Rapids	LINN	19113	Sny Magill 319 Project	River/Stream	07080206
40	10340001	Cedar River near Charles City	FLOYD	19067	Ambient Site	River/Stream	07080201
41	10090001	Cedar River near Janesville	BREMER	19017	Ambient Site	River/Stream	07080201
42	10070001	Beaver Creek near Cedar Falls	BLACK HAWK	19013	Ambient Site	River/Stream	07080205
43	10070004	Black Hawk Creek at Waterloo	BLACK HAWK	19013	Ambient Site	River/Stream	07080205
44	10070002	Wolf Creek at La Porte City	BLACK HAWK	19013	Ambient Site	River/Stream	07080205
45	10160001	Cedar River at Cedar Bluff	CEDAR	19031	Ambient Site	River/Stream	07080206
46	10700001	Cedar River near Conesville	MUSCATINE	19139	Ambient Site	River/Stream	07080206
47	10070005	Cedar River Upstream of Waterloo/Cedar Falls	BLACK HAWK	19013	City Site	River/Stream	07080205
48	10070006	Cedar River Downstream of Waterloo	BLACK HAWK	19013	City Site	River/Stream	07080205


IaStoret Parameter(s) selection - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://wqm.igsb.uiowa.edu/iastoret/srchParameters/projectParameters2.asp?orgid=21iowa&storetid=15570003
Go
Links
Iowa's STORET Water Quality Database
Station: 15570003
21iowa →Projects → Stations →Parameters
Select Parameter Option: (Information about parameters.)
Option 1 - Return All Parameters:
Enter range of date values:
From
to
Submit
Reset
OR....
Option 2 - Select at least one parameter and enter a range of values:
Parameter 1:
Values Between 0 and 100000 inclusive
Parameter 2:
Values Between 0 and 100000 inclusive
Parameter 3:
Values Between 0 and 100000 inclusive
Internet


Iowa Water Monitoring Atlas - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://igsims.igsb.uiowa.edu/website/Water_Monitoring/viewer.htm
Go Links
IOWA'S WATER
created by: IDNR | Help | Data
N
select scale 2,500,000 or enter scale ok
Ctrl-F5 to reload site
LAYERS
Visible Active
IOWATER Sites
IASTORET Sites (by Site Type)
IASTORET Sites
Wastewater Treatment Plants
DNR Land
DNR Land Labels
Impaired Lake 2002
Impaired Stream 2002
River
LEGEND
Selected Features
IOWATER Sites
IASTORET Sites
River
Stream
Interstate
Highway - US
Highway - State
County
Lake
Town
Midwest Town
Redraw Map
10570002
15570002
15570003
15570001
10570001
380
100
65
20
151
13
94
279
218
71
30
Benton
Atkins
Linn
0
4mi
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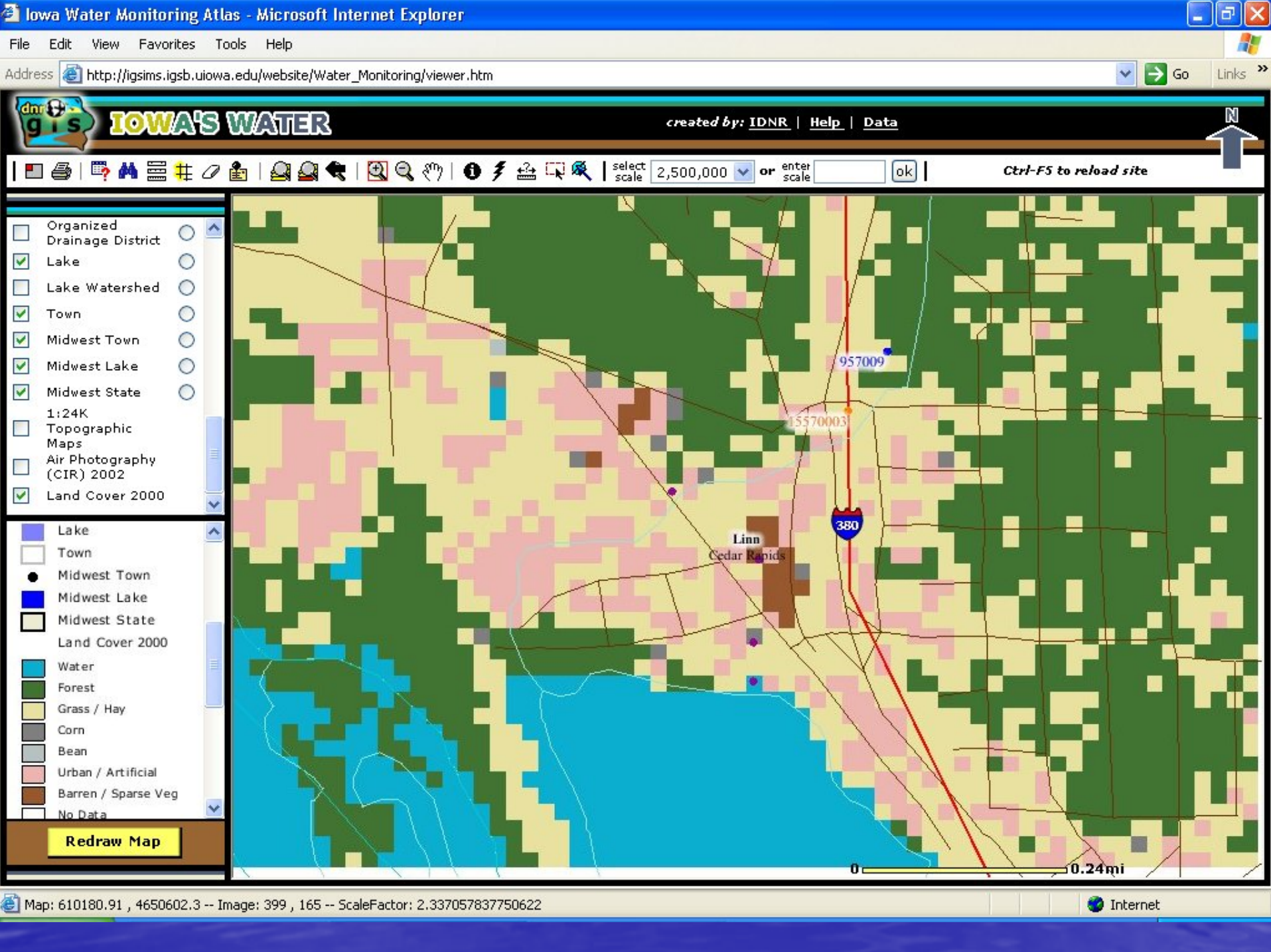
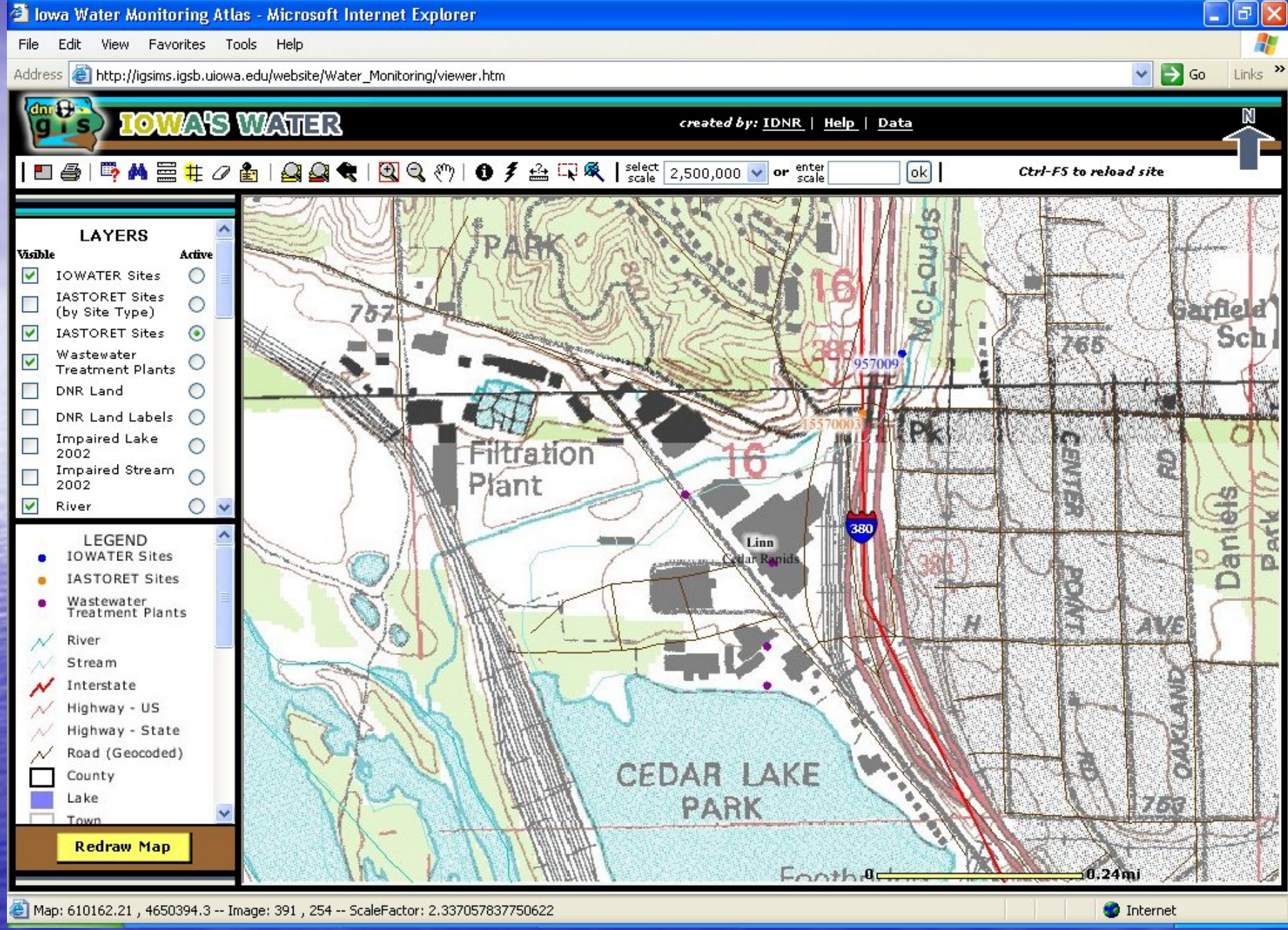
Internet


Iowa Water Monitoring Atlas - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://igsims.igsb.uiowa.edu/website/Water_Monitoring/viewer.htm
Go
Links
IOWA'S WATER
created by: IDNR | Help | Data
N
select scale 2,500,000 or enter scale ok
Ctrl-F5 to reload site
Organized Drainage District
Lake
Lake Watershed
Town
Midwest Town
Midwest Lake
Midwest State
1:24K Topographic Maps
Air Photography (CIR) 2002
Land Cover 2000
Lake
Town
Midwest Town
Midwest Lake
Midwest State
Land Cover 2000
Water
Forest
Grass / Hay
Corn
Bean
Urban / Artificial
Barren / Sparse Veg
No Data
Redraw Map
957009
15570003
380
Linn
Cedar Rapids
0
0.24mi
Map: 610180.91 , 4650602.3 -- Image: 399 , 165 -- ScaleFactor: 2.337057837750622
Internet


Iowa Water Monitoring Atlas - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://igsims.igsb.uiowa.edu/website/Water_Monitoring/viewer.htm
Go Links
IOWA'S WATER
created by: IDNR | Help | Data
N
select scale 2,500,000 or enter scale ok
Ctrl-F5 to reload site
LAYERS
Visible Active
IOWATER Sites
IASTORET Sites (by Site Type)
IASTORET Sites
Wastewater Treatment Plants
DNR Land
DNR Land Labels
Impaired Lake 2002
Impaired Stream 2002
River
LEGEND
IOWATER Sites
IASTORET Sites
Wastewater Treatment Plants
River
Stream
Interstate
Highway - US
Highway - State
Road (Geocoded)
County
Lake
Town
Redraw Map
PARK
757
16
McLouds
Garfield Sch
765
957009
15570003
Filtration Plant
Linn
Cedar Rapids
380
CENTER POINT RD
Daniels Park
H AVE
OAKLAND RD
CEDAR LAKE PARK
0 0.24mi
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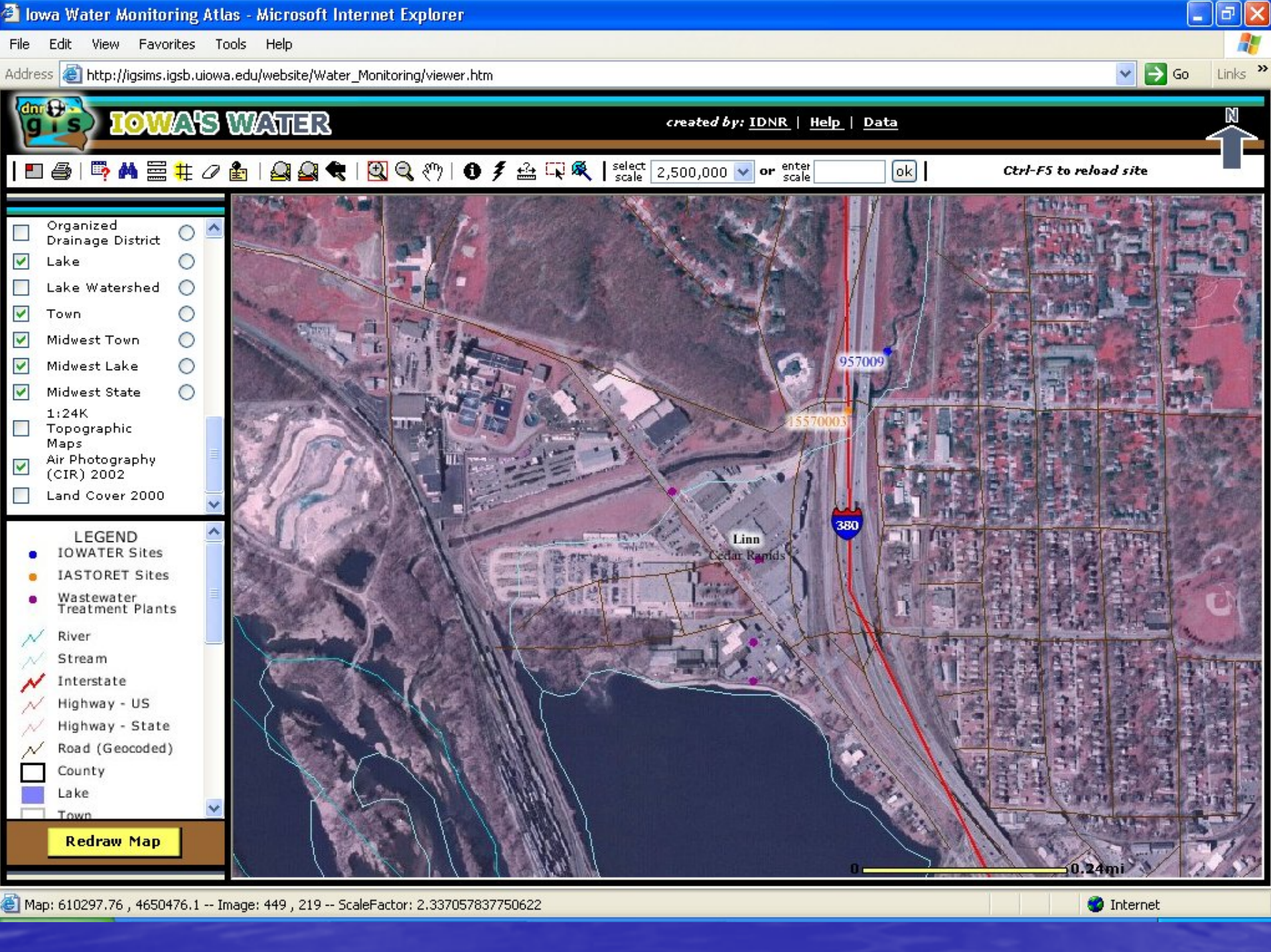
Internet


Iowa Water Monitoring Atlas - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://igsims.igsb.uiowa.edu/website/Water_Monitoring/viewer.htm
Go
Links
IOWA'S WATER
created by: IDNR | Help | Data
N
select scale 2,500,000 or enter scale ok
Ctrl-F5 to reload site
Organized Drainage District
Lake
Lake Watershed
Town
Midwest Town
Midwest Lake
Midwest State
1:24K Topographic Maps
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Land Cover 2000
LEGEND
IOWATER Sites
IASTORET Sites
Wastewater Treatment Plants
River
Stream
Interstate
Highway - US
Highway - State
Road (Geocoded)
County
Lake
Town
Redraw Map
957009
15570003
380
Linn
Cedar Rapids
0
0.24mi
Map: 610297.76 , 4650476.1 -- Image: 449 , 219 -- ScaleFactor: 2.337057837750622
Internet

Questions?

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Iowa Geological Survey

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Email: Jkorpel@igsb.uiowa.edu