

Instruction to generate locations from EQuIS Professional to ArcGIS

Prerequisites: ArcGIS 10 and EQuIS Professional have to be installed on the computer

Technical Supports/Requests for ArcGIS can be accessed by:

http://r2quickplace1/QuickPlace/r2gis/Main.nsf/h_Toc/8DEF66F46B4AE4A685256E6F00764612

EQuIS Professional:

1. Log in to EQuIS Professional
2. Select your facility
3. On top of the EQuIS Professional, click on the GIS tab on the Ribbon (Fig 1)
4. Click on “ArcMap”



Fig 1

ArcGIS:

1. Once you click on ArcMap, ArcGIS will automatically open.
2. Click “Cancel” to open an existing map
3. The locations of the data are now plotted on the map, location types, and numbers of locations are indicated. (Fig 2)

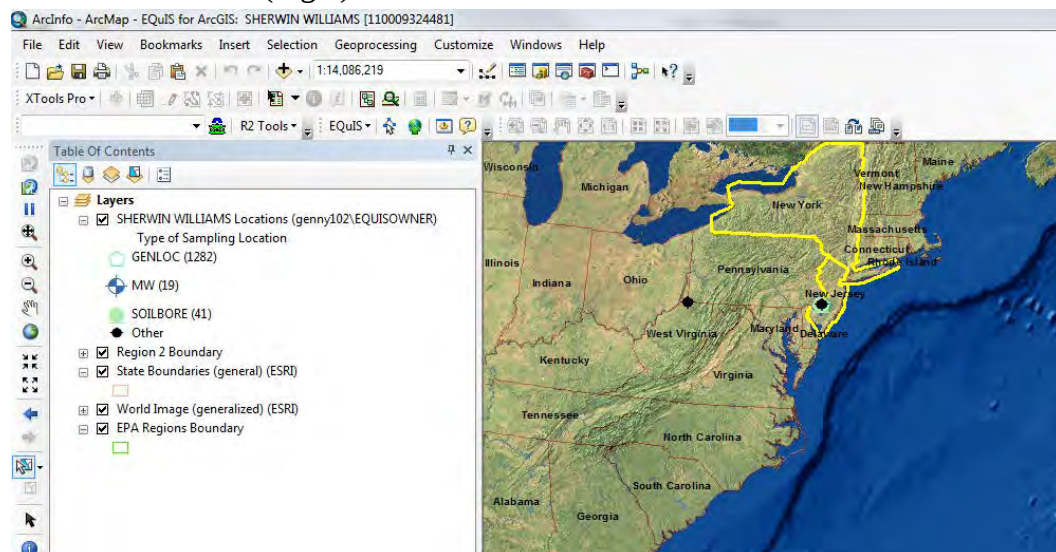


Fig 2

4. Right click to the Facility location from the Layers menu
 5. Select “Zoom to Layer” to zoom in to the locations of this facility. In this example, we selected “Sherwin Williams” superfund site, so the locations are generated from Sherwin Williams’ data.
- (Fig 2b & Fig 3)

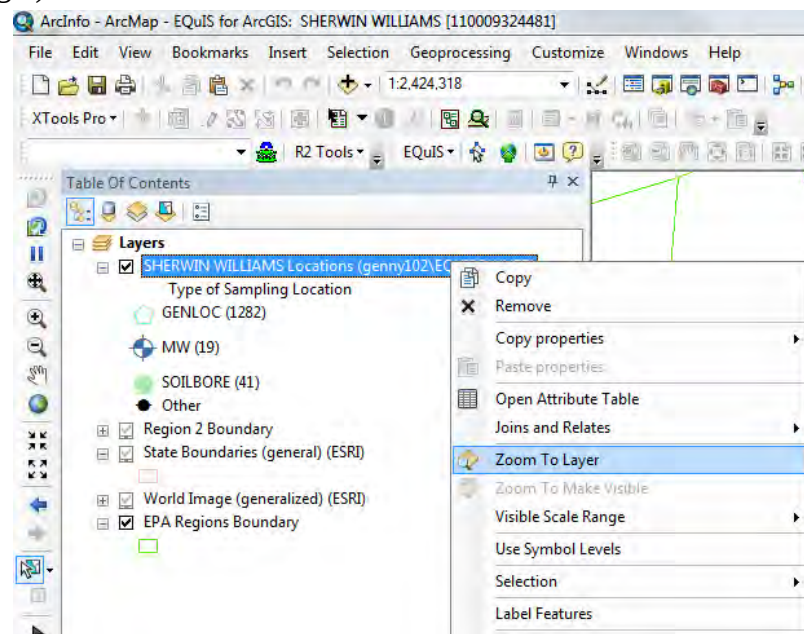


Fig 2b

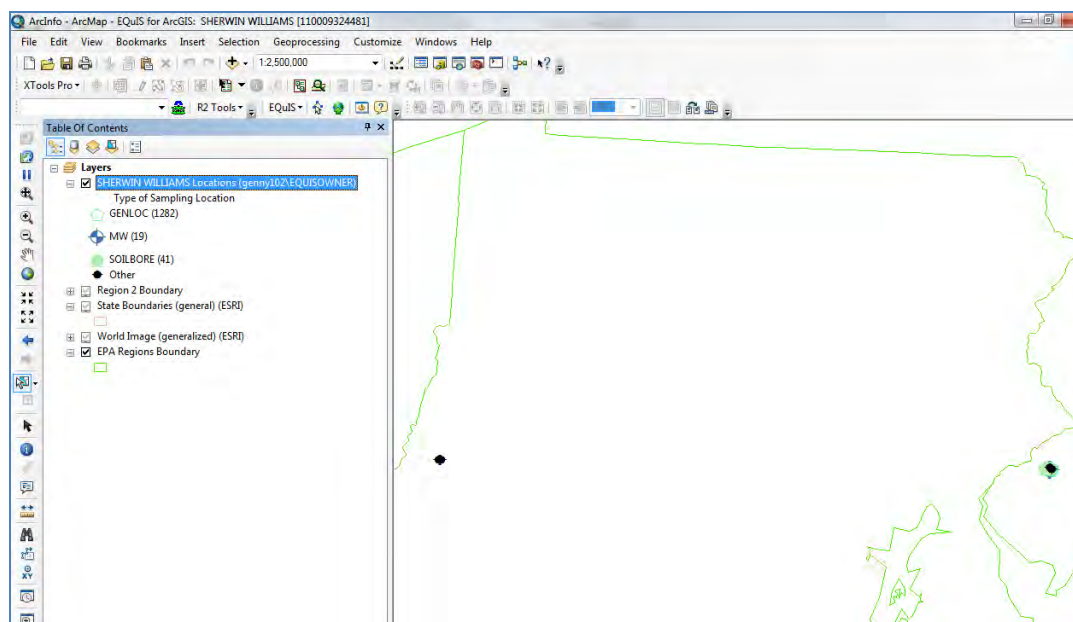


Fig 3

Load base map using ERRD EDD Submittal database or Bing Maps Hybrid

There are two ways to bring the base maps to ArcGIS. One is by loading the ERRD EDD Submittal database and the other method is by loading up the Bing Maps Hybrid. The ERRD EDD Submittal database contains some base maps that are submitted with the EDD data, and converted into ArcGIS compatible format. The maps in this database covered the boundaries of the sampling area, so they are site specific.

Bing Maps Hybrid is a data database from ArcGIS, it shows the hybrid view of the map, so users can view more clearly about the area.

A. ERRD EDD Submittal database

1. On the Standard bar, click on the “Add Data” button or select the “drop-down”

arrow and select “Add Data”



2. An “ADD Data” box pops up, select Folder Connections and click on “Connect to Folder” (Fig 4)

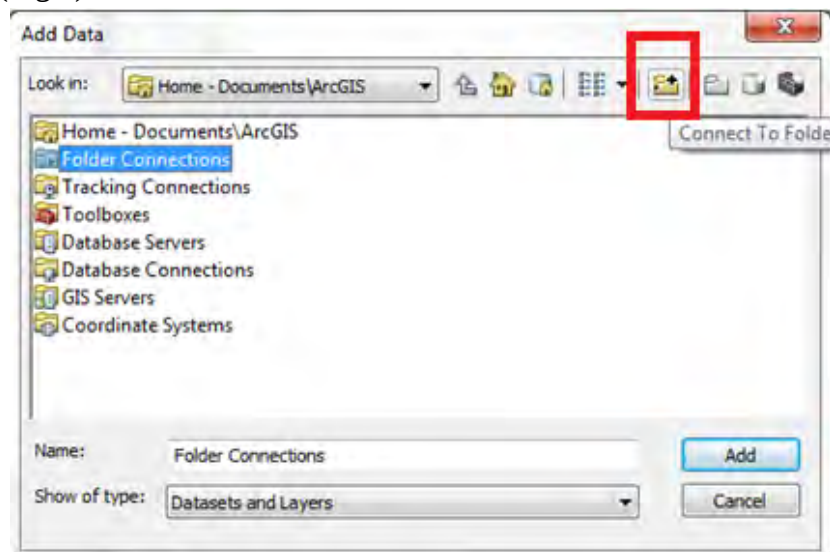


Fig 4

3. Select “Computer”, and select “Q:/lib_gdb/ERRD_Site_Map_Submittals.gdb”, click “OK” (Fig 5)

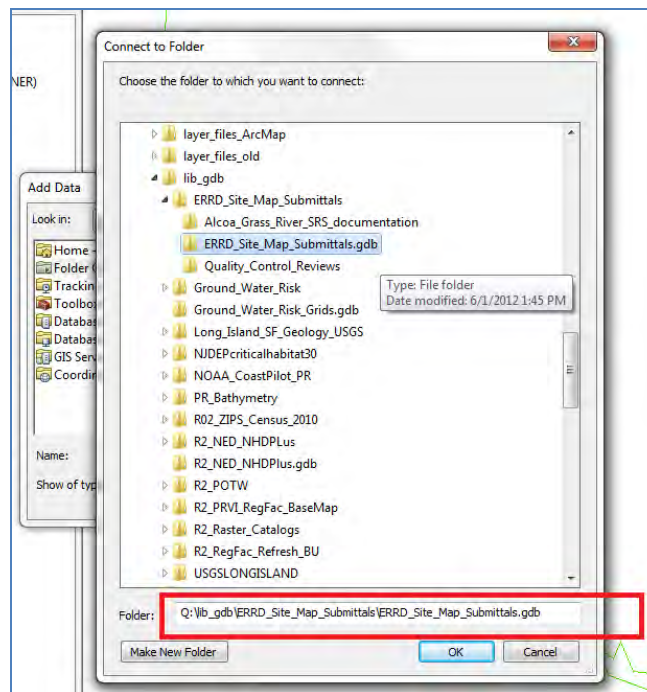


Fig 5

4. Select “ERRD_Site_Map_Submittals.gdb”, click “Add”
5. Now, it shows a list of base maps that are already converted into ArcGIS format. In this example, select “Sherwin Williams Superfund Site”. Click Add
6. Base maps are added to the Layers, you can arrange these layers to the bottom of the “SHERWIN WILLIAMS locations” layer, so the location points can be on the top of the base map.
7. You can right click to the base map layers to zoom to layer to see the map. In this example, right click to “GIBBSBORO_NJD980417976_dxf_Polyline” to see the map, the other layers in this example are points, or color fields on the map. (Fig 6)

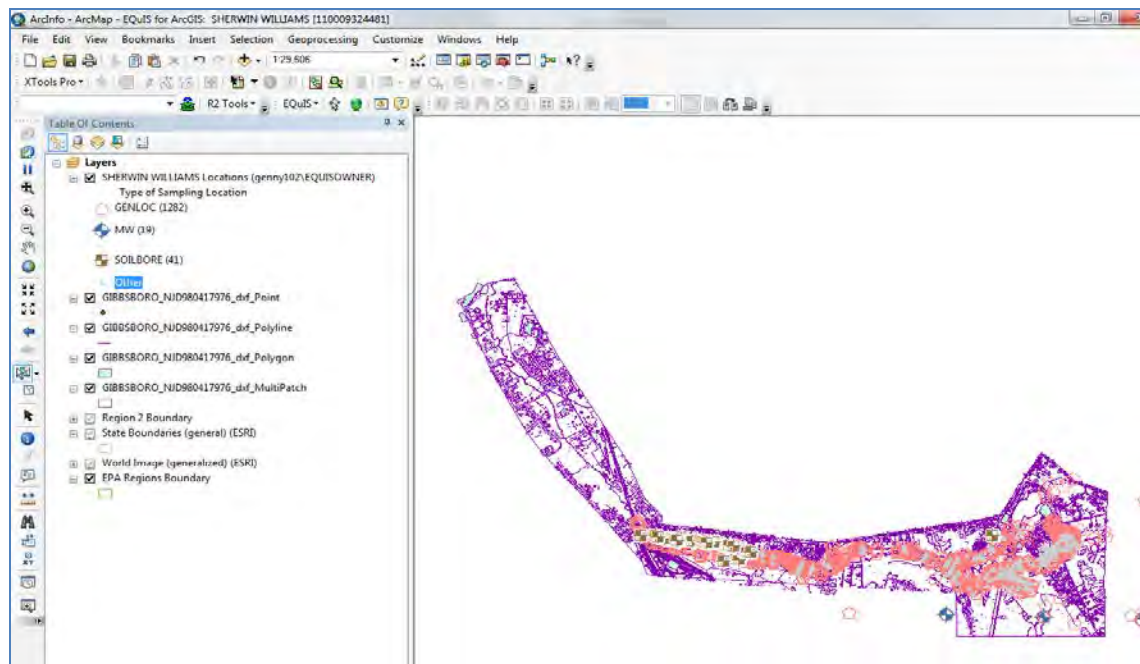


Fig 6

8. You can double click on the symbol next to the location to change the symbol style to make them look clear on the map. (Fig 7)

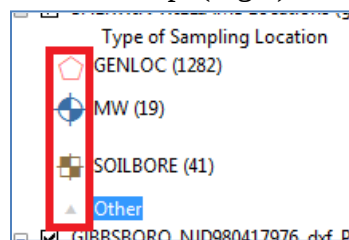


Fig 7

9. You can zoom in, zoom out to see the map

B. Bing Maps Hybrid

1. Click “Windows”, select “Search”
2. On the Search box, select “ArcGIS Online”
3. On the second search box underneath it, select “Data”, and type “Bing Maps Hybrid”, then click on the search button
4. Now, a “Basemap” layer is added to the bottom of the “Layers” menu. (Fig 8)
5. You can change the transparency of the base map display by right click, select “Properties”, and click on “Display” tab. In this example, the transparency of the base map is 50%.

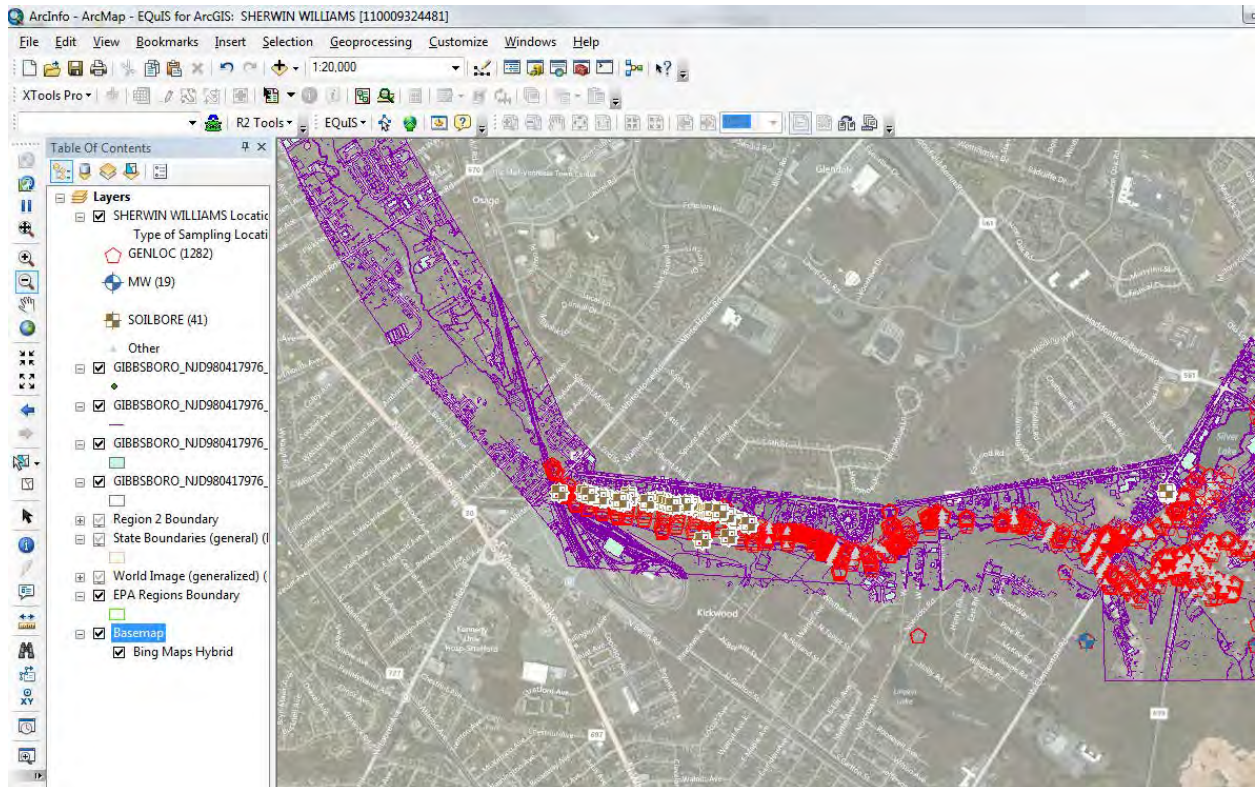


Fig 8

6. You can choose which layers to show by select or deselect the checks next to each layer.

Print /Save the Map

1. Right click to the layer “SHERWIN WILLIAMS locations”, select “Convert Features to Graphics” to put the locations to the graphic so the map can be printed with the location points.
2. Switch the map to layout view
3. You can adjust the page by right click to the white space, then select “Page and Print Setup” to select Landscape orientation. Click OK
4. Click into the map, then right click to “Properties”
5. Click “Grids” tab
6. Uncheck “Graticute” and “Index Grid” , click “Apply”, then “OK”
7. Right click to the white space, select “Distribute”, select “Fit to Margin” to put the map into the margin.
8. You can select “Text”, “Title”, or “Legend” from the INSERT menu
9. Fig 9 shows a preview of the map with the title of map
10. Adjust Set up from Print to save the map to PDF file.

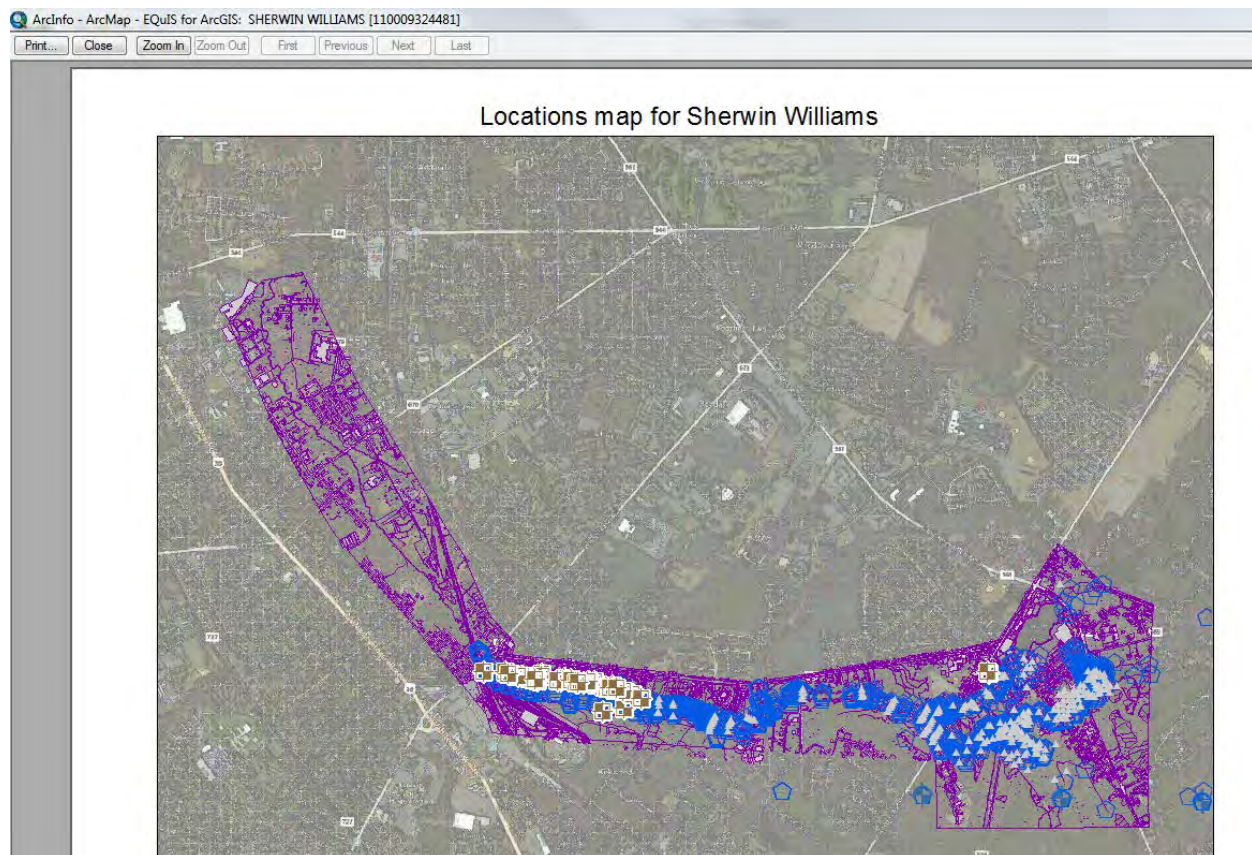
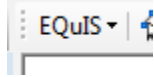


Fig 9

Using EQuIS toolbar

EQuIS toolbar is an EQuIS Professional extension that was installed to ArcGIS. You should see an icon



Analytical Results Report on the map

1. Click on the arrow button on the EQuIS toolbar
2. Select EQuIS EZView, click on “Analytical Results”
3. A pop up screen for Analytical Results shows up. (Fig 10)
4. You can click to selection button  to select data on any category to create the report. In this example, we want to show all locations that have lead in soil. We selected matrix = soil,

and Analyte = Lead (cas number: 7439-92-1), click green arrow key  to generate the report.

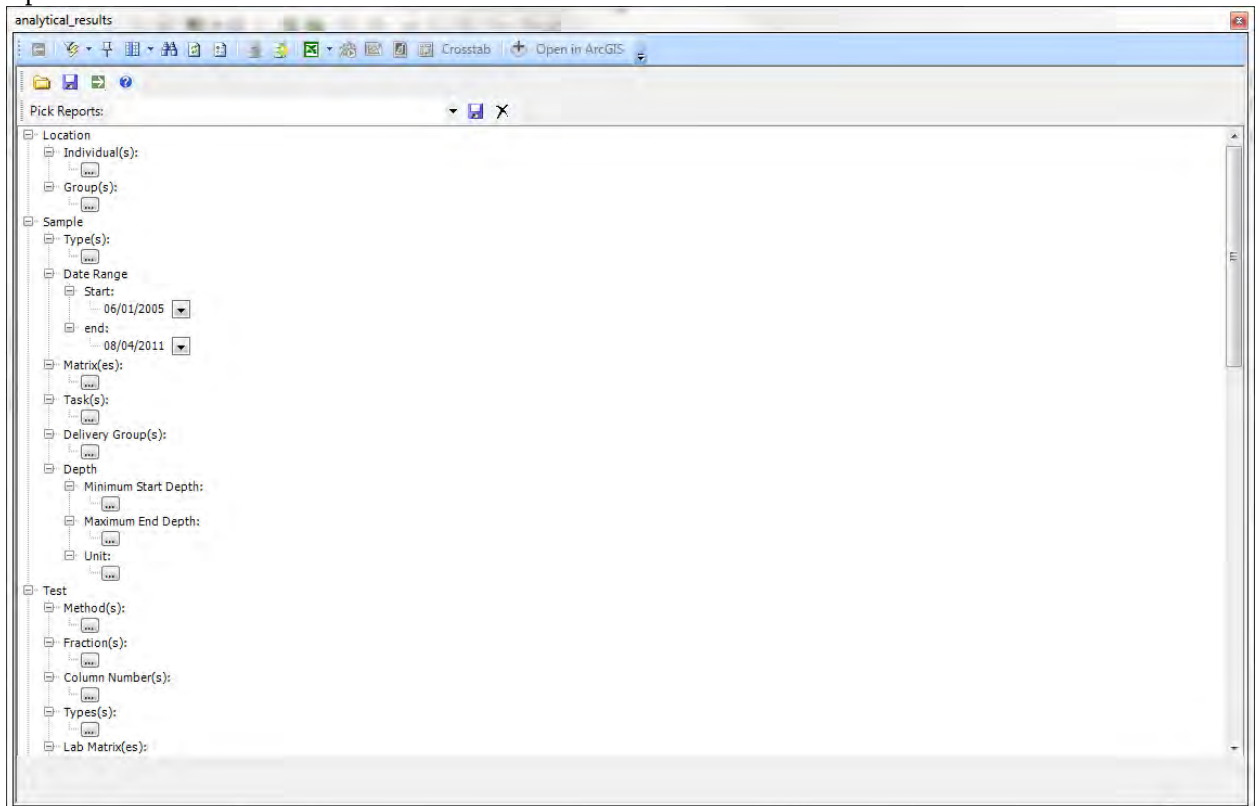


Fig 10

5. A report shows up as Fig 11
6. You can save your report in different format, create charts, create report in Crosstab, or open the results in ArcGIS.



FACILITY_ID	FACILITY_CODE	SYS_LOC_CODE	LOC_NAME	LOC_GROUP	LOC_REPORT_ORDER	SYS_SAMPLE_CODE	SAMPLE_NAME	SAMPLE_DATE	SAMPLE_TYPE_CODE	S
28	11009324481	DMSB0001				DMSB0001-SS-AA-AB...	DMSB0001-SS...	6/28/2005 12:0...	N	0
28	11009324481	DMSB0002				DMSB0002-SS-AA-A...	DMSB0002-SS...	6/28/2005 12:0...	N	1
28	11009324481	DMSB0003				DMSB0003-SS-AA-AE...	DMSB0003-SS...	6/28/2005 12:0...	N	0
28	11009324481	DMSB0003				DMSB0003-SS-AA-AG...	DMSB0003-SS...	6/28/2005 12:0...	N	2.5
28	11009324481	DMSB0004				DMSB0004-SS-AA-AE...	DMSB0004-SS...	6/29/2005 12:0...	N	0
28	11009324481	DMSB0004				DMSB0004-SS-AA-AG...	DMSB0004-SS...	6/29/2005 12:0...	N	2.5
28	11009324481	DMSB0005				DMSB0005-SS-AA-AE...	DMSB0005-SS...	6/29/2005 12:0...	N	0
28	11009324481	DMSB0005				DMSB0005-SS-AA-AE...	DMSB0005-SS...	6/29/2005 12:0...	FD	0
28	11009324481	DMSB0005				DMSB0005-SS-AA-AG...	DMSB0005-SS...	6/29/2005 12:0...	N	2.5
28	11009324481	HCSB0002				HCSB0002-SS-AA-AF-0	HCSB0002-SS-A...	6/6/2005 12:00...	N	2
28	11009324481	HCSB0002				HCSB0002-SS-AA-AH...	HCSB0002-SS-A...	6/6/2005 12:00...	N	3
28	11009324481	HCSB0003				HCSB0003-SS-AA-AF-0	HCSB0003-SS-A...	6/6/2005 12:00...	N	2
28	11009324481	HCSB0004				HCSB0004-SS-AA-AA-0	HCSB0004-SS-A...	6/2/2005 12:00...	N	0
28	11009324481	HCSB0004				HCSB0004-SS-AA-AD-0	HCSB0004-SS-A...	6/2/2005 12:00...	N	1.5
28	11009324481	HCSB0004				HCSB0004-SS-AA-AF-0	HCSB0004-SS-A...	6/6/2005 12:00...	N	2
28	11009324481	HCSB0005				HCSB0005-SS-AA-AA-0	HCSB0005-SS-A...	6/2/2005 12:00...	N	0
28	11009324481	HCSB0005				HCSB0005-SS-AA-AD-0	HCSB0005-SS-A...	6/2/2005 12:00...	N	1.5
28	11009324481	HCSB0006				HCSB0006-SS-AA-AA-0	HCSB0006-SS-A...	6/2/2005 12:00...	N	0
28	11009324481	HCSB0006				HCSB0006-SS-AA-AA-1	HCSB0006-SS-A...	6/2/2005 12:00...	FD	0
28	11009324481	HCSB0006				HCSB0006-SS-AA-AD-0	HCSB0006-SS-A...	6/2/2005 12:00...	N	1.5
28	11009324481	HCSB0007				HCSB0007-SS-AA-AA-0	HCSB0007-SS-A...	6/2/2005 12:00...	N	0
28	11009324481	HCSB0007				HCSB0007-SS-AA-AD-0	HCSB0007-SS-A...	6/2/2005 12:00...	N	1.5
28	11009324481	HCSB0008/15				HCSB0008-SS-AA-AA-0	HCSB0008-SS-A...	6/2/2005 12:00...	N	0
28	11009324481	HCSB0008/15				HCSB0008-SS-AA-AF-0	HCSB0008-SS-A...	6/2/2005 12:00...	N	2
28	11009324481	HCSB0009				HCSB0009-SS-AA-AA-0	HCSB0009-SS-A...	6/3/2005 12:00...	N	0
28	11009324481	HCSB0010				HCSB0010-SS-AA-AA-0	HCSB0010-SS-A...	6/3/2005 12:00...	N	0
28	11009324481	HCSB0011				HCSB0011-SS-AA-AA-0	HCSB0011-SS-A...	6/3/2005 12:00...	N	0
28	11009324481	HCSB0012				HCSB0012-SS-AA-AA-0	HCSB0012-SS-A...	6/3/2005 12:00...	N	0
28	11009324481	HCSB0013				HCSB0013-SS-AA-AA-0	HCSB0013-SS-A...	6/3/2005 12:00...	N	0

Fig 11

Open report in ArcGIS

1. After you select your report selection, and generated a report, you can use “Open in ArcGIS” to load the data on the map. Click “Open in ArcGIS”
2. “EQuIS for ArcGIS” screen pops up. Fig 12

EQuIS for ArcGIS

ArcGIS Export Format
Select the desired option(s) for the new layer or standalone table

Name and Format
Layer/Table Name: Analytical_Results_SO_LEAD_
ArcGIS Output Format: Database Connection (Layer)

Map Fields:
X Coord: x_coord
Y Coord: y_coord
Z Coord: z_coord_avg
Value: report_result_value
Unit: report_result_unit

Symbology Renderer
Graduated Colors
☒ Symbolize using LOG option
☒ Symbolize NDs
☐ Create 3D Multipatch Spheres

☐ Create Group Layer
Create sub-layer for each unique:
Interval Ranges
☒ Use same for all sub-layers
☐ Use different for each sub-layer

< Back Next > Cancel

Fig 12

3. You can select “Symbology Renderer” to choose the graphical display, such as “Single Symbol”, “Graduated Colors”, “Graduated Symbols”, “Water Levels” or “Pie Charts”. (Fig 13)

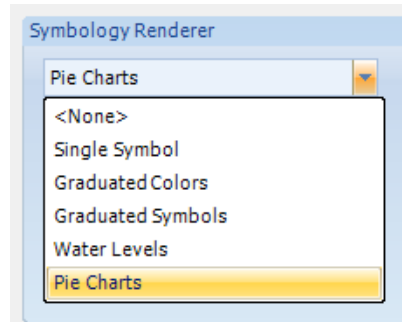


Fig 13

4. In this case, we use “Graduated Colors”, click “Next”
5. Now, all locations that have lead in soil are plot on the base map that is already opened. (Fig 14)

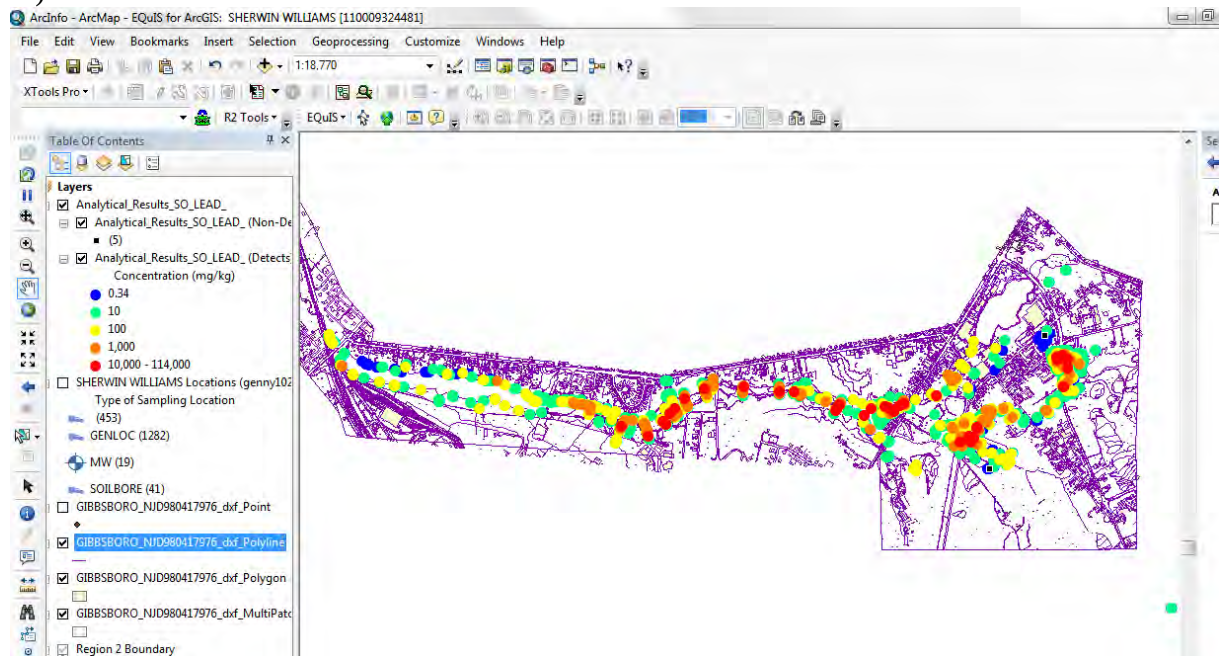


Fig 14