



NWIS Web Services Snapshot Tool: Installation Guide

United States Geological Survey
Austin, Texas
August 6, 2012

Contributors

Sally Holl (primary contact: sholl@usgs.gov), Joseph Vrabel, David Maltby, David McCulloch, Brian Reece, Florence Thompson, Michael Canova, and Christy-Ann Archuleta.

Acknowledgements

This project is funded by the USGS Community for Data Integration (CDI).

David McCulloch, USGS Office of Water Information, authored the original concept for the add-in.

Suggested Citation

Holl, Sally, 2011, U.S. Geological Survey Community for Data Integration—NWIS Web Services Snapshot Tool for ArcGIS: U.S. Geological Survey Fact Sheet 2011–3141, 2 p., <http://pubs.usgs.gov/fs/2011/3141/>.

Software User Rights Notice

The software user rights notice is available at <http://water.usgs.gov/software/help/notice/>.

Table of Contents

Computer and Skill Requirements.....	1
Installation.....	1
Toolbar installation	1
ArcMap document set-up	3
Program Execution.....	4

Table of Figures

Figure 1. ESRI ArcGIS Add-In Installation Utility window.....	2
Figure 2. The NWIS Web Services Snapshot toolbar.	2
Figure 3. Select NWIS Snapshot from the list of toolbars.....	2
Figure 4. Add the NWIS_Sites.lyr file from the installation directory to the ArcMap document.....	3
Figure 5. Update the data source of the NWIS_Sites.lyr file to point to the sitefile feature class.....	4
Figure 6. Software User Rights Notice window.	5

Computer and Skill Requirements

To install the NWIS Web Services Snapshot Tool, the computer *must* meet the following requirements:

- Microsoft .NET Framework version 3.5
- ESRI ArcMap 10.0
- An internet connection

The user should be familiar with the National Water Information System (NWIS), Microsoft Windows, and ArcGIS for Desktop 10.0.

Installation

Installation of the NWIS Web Services Snapshot Tool requires both toolbar installation and ArcMap document set-up. This section explains how to install and start the Snapshot Tool.

Toolbar installation

1. Close **ArcMap 10** if it is open.
2. Download and unzip the installation files from <http://txpub.usgs.gov/snapshot>
3. In the installation directory, double-click the **Snapshot.esriAddin** file.
4. An **ESRI ArcGIS Add-In Installation Utility** window should appear (Figure 2). Select the **Install Add-In** button.

Figure 1. ESRI ArcGIS Add-In Installation Utility window.



5. Click **OK** in the **Installation succeeded** message box.
6. Launch ArcMap 10.0.
7. The Snapshot icon (Figure 3) may already appear somewhere in the ArcMap interface. If not, in the ArcMap **Customize** menu, select **Toolbars**. Select **NWIS Snapshot** from the list of Toolbars (Figure 4).

Figure 2. The NWIS Web Services Snapshot toolbar.

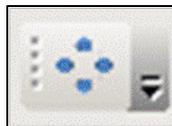
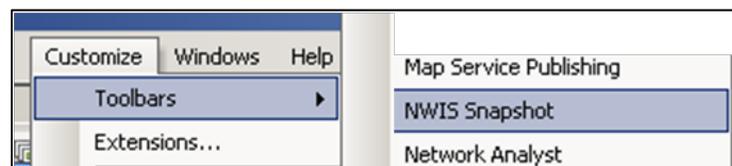


Figure 3. Select NWIS Snapshot from the list of toolbars.



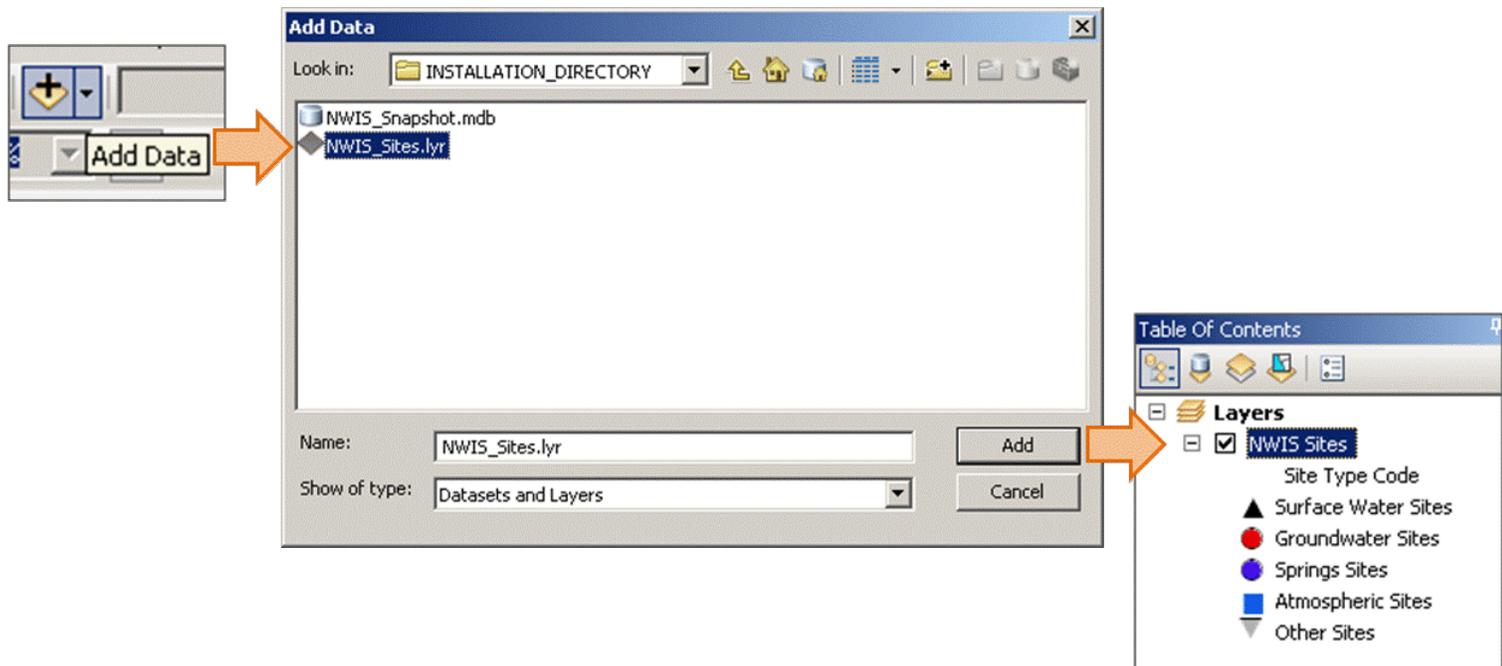
8. Check to see that the Snapshot icon (Figure 3) is now visible.

Congratulations! You have successfully installed the NWIS Snapshot toolbar. You will launch the add-in using this toolbar after you have added the NWIS Sites layer file to the ArcMap document using the ArcMap document set-up steps.

ArcMap document set-up

9. Add the **NWIS_Sites.lyr** from the installation directory to an ArcMap document (Figure 5).

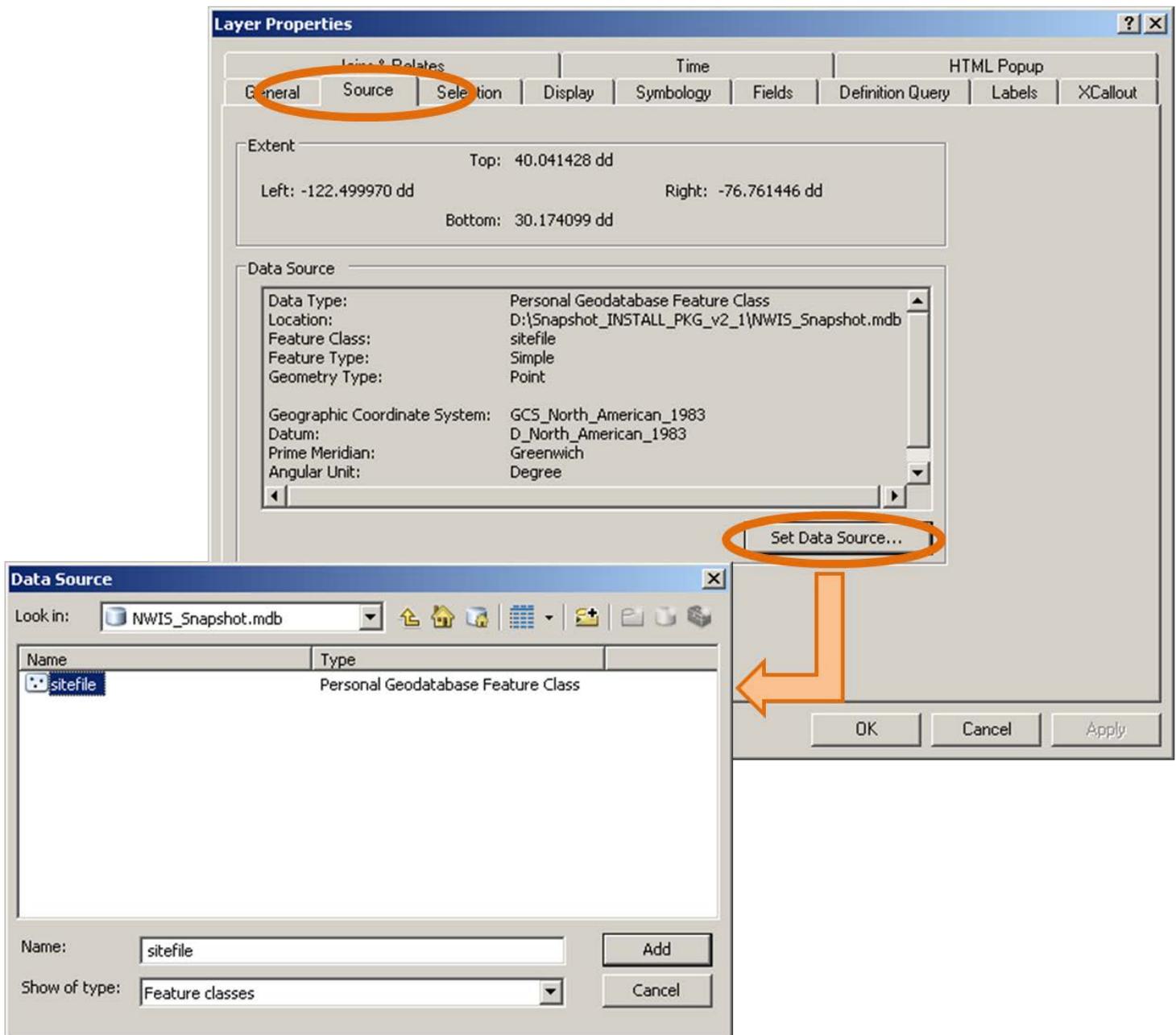
Figure 4. Add the NWIS_Sites.lyr file from the installation directory to the ArcMap document.



Next, define the data source for the NWIS_Sites.lyr (Figure 6). To do this:

10. Right-click on the **NWIS Sites** layer in the ArcMap Table of Contents and select **Properties**.
11. In the **Source** tab of the Layer Properties window, select **Set Data Source...**
12. Navigate to the installation directory and **sitefile** in **NWIS_Snapshot.mdb** personal geodatabase. Click **Add**.
13. After the Data Source window closes, click the **Apply** button and then **OK** in the Source tab. *Note: You will not see any points appear in the ArcMap document until you retrieve site information using the Snapshot Tool.*

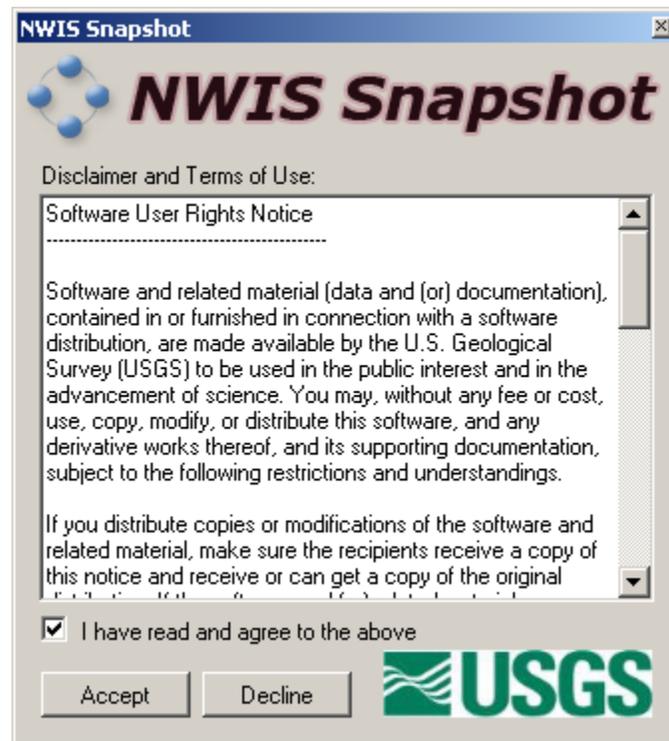
Figure 5. Update the data source of the NWIS_Sites.lyr file to point to the sitefile feature class.



Program Execution

14. Launch the Snapshot using the add-in toolbar (.
15. After reviewing the Software User Rights Notice, check the box next to *I have read and agree to the above* and click **Accept** (Figure 7).

Figure 6. Software User Rights Notice window.



You have now successfully installed the Snapshot Tool by adding the **NWIS Sites** layer and linking the layer file with the **sitfile** feature class in the Snapshot geodatabase. Next, you launched the tool. You are now ready to start using the Snapshot Tool to retrieve data from NWIS Web Services.