

## ATTAINS Secret Sauce Training – Handout #4: Accessing Data

**How is this Useful?** ATTAINS provides multiple avenues for accessing your data. Some are manual and provide access to your data at any point in the process. Others can be automated yet may only provide access to publicly accessible snapshots of your data. Which of these you use will depend largely on your need. If you have a need to integrate ATTAINS data in other applications that you may have, talk to the ATTAINS team and they can help you determine which method may work best for you.

| Tool Name                          | Description  | Data Available   | Access Method                                      | Output Format                            | How to Get More Information / Location   |
|------------------------------------|--|--|--|--|--|
| <b>ATTAINS Data Exports</b>        | Allows for the complete export of your data from ATTAINS. You can export Assessment Units, Assessment, and Actions   | Most current data for any Assessment cycle, all Assessment Unit Information, and all Actions   | Manual Download. User must be logged into ATTAINS. | .csv files. One file for each data table | Available under the Menu button in Assessment Units, Assessments, and Actions Tabs in ATTAINS  |
| <b>Reports</b>                     | Allows for the download of most of the data elements in ATTAINS, including those that are generated by the system. User can select which data they want to download. | Any data that is visible to the user, including data for individual snapshots. Cycle comparisons can also be exported.                     | Manual Download. User must be logged into ATTAINS  | .csv file                                | Available under the Reports Tab in ATTAINS   |
| <b>ATTAINS Public Web Services</b> | Allows for access to any publicly accessible data that are available within ATTAINS, including summary information at the HUC12 and state level.                     | Any publicly available data (with a status of public comment or higher). Data that is in 'Draft' or 'Working Copy' data are not available. | Can be automated via REST webservice calls         | Json                                     | More information is available at:<br><a href="https://www.epa.gov/waterdata/how-access-and-use-attains-web-services">https://www.epa.gov/waterdata/how-access-and-use-attains-web-services</a> |

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|----------------------------------|---|---|--|--|--|
| <b>GIS Services</b>              | Provides access to the geospatial data that is in ATTAINS, including the state provided GIS and the corresponding catchments. Also contains summarized attributes to facilitate querying of the data and data download. | Most recent Org Final data or later. Data are available typically within 2-4 weeks of a state finalizing their data in ATTAINS. | ESRI Web Feature Service and Web Map Service. Additional functionality allows for the download of the attribute data as well | Web Map Service, Web Feature Service, Geojson, KML, json                                       | Available at:<br><a href="https://gispub.epa.gov/arcgis/rest/services/OW/ATTAINS_Assessment/MapServer">https://gispub.epa.gov/arcgis/rest/services/OW/ATTAINS_Assessment/MapServer</a>   |
| <b>How's My Waterway 2.0</b>     | Provides public friendly summaries to ATTAINS data, including an interface that integrates all of the above public access methods   | Most recent Org Final data or later. Data are available typically within 2-4 weeks of a state finalizing their data in ATTAINS. | Web Interface  | Download methods are currently not available within HMW, but any of the data can be visualized | <a href="https://mywaterway.epa.gov">https://mywaterway.epa.gov</a>  |
| <b>Exchange Network Services</b> | Provides access to ATTAINS data via Exchange Network Query and Solicit services   | Access any draft data or prior cycle information that the user has access to  | CDX Query and Solicit Services   | Xml  | Documentation on these services are available in the ATTAINS Flow Configuration Document, available at:<br><a href="https://www.exchangenetwork.net/schema/ATTAINS/1/ATTAINS_FCD_1.0.docx">https://www.exchangenetwork.net/schema/ATTAINS/1/ATTAINS_FCD_1.0.docx</a> |