

# Stations (Streamflow)

## Description:

This tool returns stream flow information per station.

Data available include:

- Stream Flow (discharge)
- Flow Maximum
- Flow Minimum

These three data sets are available for both official record and administrative (raw, unpublished) record. Time series reports are available to demonstrate stream flow data.

Streamflow data may be selected based on division/district, and may be further refined using the following criteria:

- **Station Name**
- **Station ID**
- **SEO Abbreviation**
- **County**
- **Hydrologic Unit Code**

There are several types of flow data available. The type of data you wish to retrieve must be specified in the drop-down list labeled "Flow Data Type".

The "Flow Data Types" data available are:

- AdminFlow – Average stream flow. Data is raw, unadjusted, and unpublished.
- AdminFlowMax – Maximum monthly stream flow. Data is raw, unadjusted, and unpublished.
- AdminFlowMin – Minimum monthly stream flow. Data is raw, unadjusted, and unpublished.
- StreamFlow – Average stream flow. Published data that has been adjusted for shift and other variables.
- StreamFlowMax – Maximum monthly stream flow. Published data that has been adjusted for shift and other variables.
- StreamFlowMin – Minimum monthly stream flow. Published data that has been adjusted for shift and other variables.

Data frequency – the time-step of the data – must also be specified. Use the drop-down list labeled "Data Frequency" to specify this. The two frequencies available are "Daily" and "Monthly"

## Use (How-To):

1. From the CDSS Home Page, mouse-over "View Data" on the menu bar, then click "Station (Streamflow)".
2. Towards the top of the page, there is a drop-down list labeled "Water Division/District". Select a water division (1 through 7) or a water district (organized by division) from the list. You may also choose "All – Entire State" to not limit the search results to a division or district.
3. Choose a data type from the "Flow Data Type" drop-down list.
4. Select a "Data Frequency"; options available are based on the selected "Flow Data Type".
5. Choose a tab to define the rest of your search options. The search tabs are: "Station Name", "Station ID", "SEO Abbreviation", "County", and "Hydrologic Unit Code".
  - **Station Name:** Enter the full name of the desired station. Use the drop-down list preceding the text you enter (containing "Starts With", "Contains", and "Ends With") to specify which portion of the name you wish to search for. Don't type any wild cards, they are not needed. If you specify "Starts With" the beginning of the string is searched for with any trailing characters; "Contains" will find all matches that contain the string you enter; "Ends With" matches the right-most characters of the station name, allowing any preceding characters.

- **Station ID:** Enter the ID of the station.
  - **SEO Abbreviation:** State Engineer's Office abbreviation – enter the eight character abbreviation for the station.
  - **County:** Select a county in the drop-down list. The only counties available will be the counties in the water division or district selected in the "Water Division/District" drop-down list.
  - **Hydrologic Unit Code:** Enter the eight digit Hydrologic Unit Code (HUC), which represents a water basin.
6. Once you have specified your search criteria, click the "Submit Request" button.
  7. If there are matching results for your search, you will see a results grid in the middle of the page. The results grid contains a list of stations that have the stream flow data you requested. You may scroll through the list to view the results; you may also choose to display or export the results in another format (Step 8).
  8. Once you have a results grid, the contents of that grid may be exported to any of the formats listed in the drop-down list in the "Results List Report" box: "Adobe Acrobat", "HTML Web Format", "MS Excel", "Comma Delimited File (CSV)", or "Tab Delimited File". Choose the format you prefer and click the "Generate Report" button.
  9. Follow the ensuing instructions from your web browser to either open the report on your screen or save it to your computer.
  10. Individual Streamflow Reports are also available. The data layout/content in the reports will vary depending on the "Flow Data Type" selected. First, click on the station row in the results grid. The row you selected will now be highlighted blue, and the buttons in the "Time Series Report" section are now enabled.
  11. Click one of the buttons in the "Time Series Report" section, representing the three report options: "Graph", "Summary", or "Export"
    - Graph: A line graph plotting the stream flow points over the specified time period
    - Summary: A summary report detailing the stream flow amounts over the specified time period; includes some physical station details
    - Export: Time-series data – dates with flow amounts over the specified time period – as a downloadable text file (either comma-delimited (CSV) or tab-delimited)