

Climate Data

Description with Step by Step Instructions

Description:

Allows users to view climate data (temperatures, precipitation, wind, etc.) per station.

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

- **Station Name**
- **Station ID**
- **County**
- **Hydrologic Unit Code (HUC)**

The Climate Data available is:

- Evaporation Pan – Data (daily or monthly) about water evaporation
- Frost Date F28F – First date in fall that the minimum temperature dropped to 28 degrees, as an offset from January 1st of the given year
- Frost Date F32F – First date in fall that the minimum temperature dropped to 32 degrees, as an offset from January 1st of the given year
- Frost Date L28S - Last date in spring that the minimum temperature was 28 degrees or lower, as an offset from January 1st of the given year
- Frost Date L32S - Last date in spring that the minimum temperature was 32 degrees or lower, as an offset from January 1st of the given year
- Max Temperature - Daily maximum temperatures
- Mean Max Temperature - Monthly mean maximum temperatures
- Mean Min Temperature - Monthly mean minimum temperatures
- Mean Temperature - Monthly mean temperatures
- Min Temperature- Daily minimum temperatures
- Precipitation – Daily or monthly precipitation totals
- Snow – Daily or monthly snow fall totals
- Snow Course Depth – Daily snow course depth measurements.
- Snow Course SWE – Daily measurements of the snow-water-equivalent of snow course
- Solar – Daily measurements of solar radiation
- Vapor Pressure – Daily vapor pressure measurements
- Wind - Daily wind velocity measurements

Use (How-To):

1. From the CDSS Home Page, mouse-over "View Data" on the menu bar, then click "Climate Data".
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.
3. Choose a climate measurement from the "Climate Data Type" drop-down list.
4. Select a "Data Frequency"; the options available are based the selected "Climate Data Type".
5. Choose a tab to define your search options. The search tabs are: "Station Name", "Station ID", "County", and "Hydrologic Unit Code".
 - **Station Name:** Specify a full station name.
 - **Station ID:** Enter the ID of 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 represent 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. A maximum of 250 records will be returned. 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 "Summary Report" box: "Adobe Acrobat", "HTML Web Format", or "MS Excel". 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. You may now select a station in the list to view a time series report on the selected climate data. Click on the station row in the results grid.
11. The row you selected will now be highlighted blue, and the controls in the "Time Series Report" section are now enabled. Specify the date range for the report using the two boxes labeled "Time Series Period." Note: The boxes will be pre-filled with dates that define the period of record for the selected data, so do not define dates outside of those bounds.
12. Click the button representing your desired report output:
 - **Graph:** A visual chart plotting the data points in a line graph.
 - **Summary:** A tabular report showing the climate data in a series of tables (one for each year), columns (representing months), and rows (representing days).
 - **Table:** A time-series table, one data result per row. This report may be saved as an Excel file.