

Climate information resources

Access document at <https://www.colorado.edu/resources/climate-information-resource>

Current conditions

Temperature and precipitation with [ACIS climate maps](#):

This resource provides past temperature and precipitation information on maps (states or region). Precipitation is best expressed as 'percent of normal precipitation' and temperature as 'departure from normal temperature'. Maps time periods up to five years.

[USGS streamflow map](#) for the United States:

Click on individual states for current streamflow in a state. Each point on the map represents a specific site where current and historical streamflow data is available.

NRCS [Snowpack conditions](#) in the western United States:

The interactive map loads with each point on the map showing percent of median snowpack for a specific date. Clicking on each site brings up site information. The interface on the right side of the map allows the user to change parameters and timing. This [map](#) shows snowpack conditions by basin, state or the entire western United States.

[U.S. Drought Monitor](#):

Current drought conditions and summary of drought in the United States.

U.S. Bureau of Reclamation [reservoir levels](#):

Diagrams show reservoir levels throughout the Intermountain West by river basin.

Forecasts

NOAA [precipitation forecast](#):

The map shows the predicted amount of precipitation over the next week.

Colorado Basin River Forecast Center seasonal water supply forecasts:

[Map, list](#) of forecast locations or [official forecast](#) in Colorado River and Great Basins. Water supply forecasts are issued at the beginning of the month from January to July.

NRCS [seasonal water supply forecasts](#):

The map shows each water supply forecast point; the color indicates percent of median water supply. Forecasts are very useful for locations outside of the Colorado River basin.

NOAA monthly and seasonal temperature and precipitation outlooks:

[Maps](#) provide probability of above or below temperature and precipitation for several time periods. The first map (under temperature or precipitation) shows the most recent monthly outlook; the second map shows the most recent three-month outlook. All other maps show three-month outlooks for time periods further into the future.

U.S. Drought Monitor [seasonal drought outlook](#):

Resource provides information, as a map, about whether drought conditions are expected to improve, worsen or persist.

Dashboards

[Intermountain West Climate Dashboard:](#)

Resource provides climate information graphics for Arizona, Colorado, New Mexico, Utah and Wyoming. Climate information includes observations of precipitation, temperature, streamflow, snowpack and drought. Climate forecast information includes precipitation, temperature, water supply, drought and ENSO conditions.

[Utah Hazard Planning Dashboard:](#)

The dashboard provides information about climate hazards relevant to Utah (wildfire, drought, extreme heat, heavy rainfall and flooding, dam failure, debris flow, landslide, cold temperature extremes, winter storms and avalanche) regarding historical incidence, current risk and future projections.

[NOAA Water Resources Dashboard:](#)

Resource provides 34 different climate tools related to water and hydrology. Tools and information resources are divided into categories such as forecasts/projections, current observations, historical observations and long-range planning tools.

[US Climate Resiliency Toolkit Climate Explorer:](#)

Climate information focused on planning for resiliency in communities. Scroll down the page to find information by region or sector. [Case studies](#) about climate resiliency are available. The [Climate Explorer tool](#) lets users explore past, current and future climate for any location in the United States.

Climate Summaries

[Colorado Climate Center weekly drought/climate summary:](#)

Current weekly summary of climate and drought conditions in the Intermountain West (Arizona, Colorado, New Mexico, Utah and Wyoming). [Previous briefings](#) provide more detail and graphics describing current hydrological and drought conditions.

[Western Water Assessment monthly Intermountain West Climate briefing:](#)

Monthly summary (published the first week of each month) of temperature, precipitation, snowpack, streamflow, drought and seasonal forecasts for Colorado, Utah and Wyoming.

Climate Change

[A User Guide to Climate Change Portals:](#)

This guide describes many tools that provide various types of climate change data. Start by selecting “Portals for Visualizing Climate Change Data (comprehensive)”. The Climate Explorer, Climate Toolbox and National Climate Change Viewer are all excellent resources.

[Climate Mapping for Resilience and Adaptation Assessment Tool:](#)

This tool provides future projections of climate parameters relevant to extreme heat, drought, wildfire and flooding. Location can be selected by tract, county or tribal land.