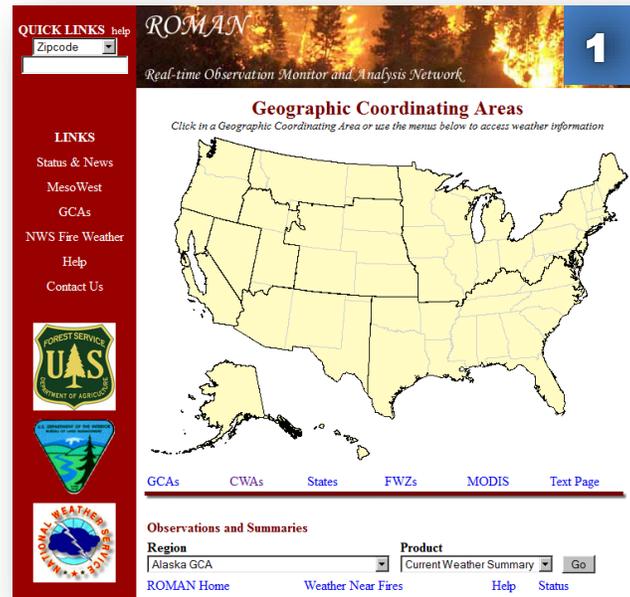# Accessing Archived Data for Weather Stations in Northwest Oregon
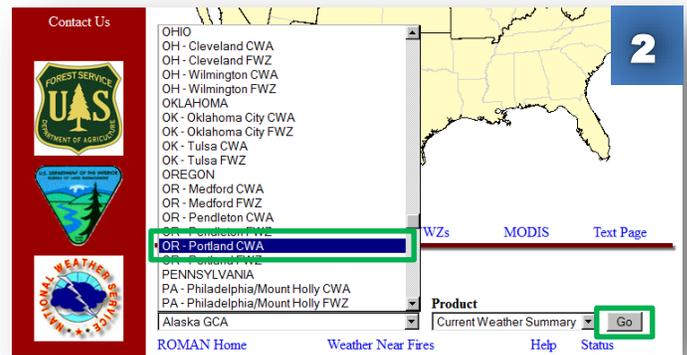
Andy Bryant, NWS Portland

There are a number of federal and Oregon agencies, along with private organizations and individuals, that operate gauges and weather stations, and there are a number of ways to view current and recent data online. This article highlights a way to access current and archived data via the ROMAN website. "ROMAN" stands for Real-time Observation Monitoring and Analysis Network. This website was originally developed for the fire weather community, but it is available for anyone to use at raws.wrh.noaa.gov/roman/ (shown in Fig. 1)
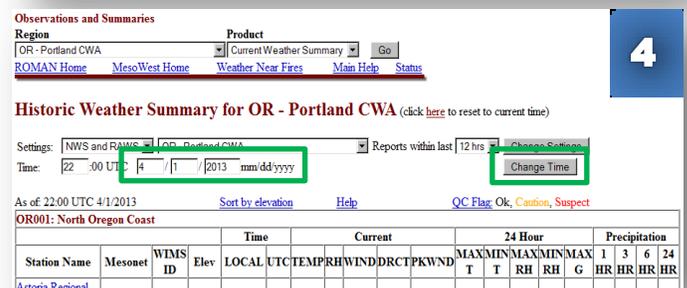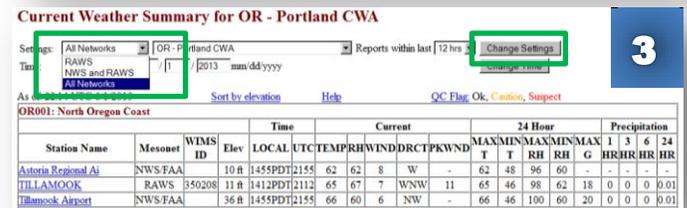

There are many options on this website; it can be a bit overwhelming for first-time users. This article explains how to view archived data for a particular gauge.

The first key is to get to the region of the U.S. that contains the weather stations of interest. You can access different regions using the map interface or the pop-up menu below the map. For Northwest Oregon, your best option might be to choose "OR – Portland CWA" on the pop-up menu, linking to the forecast area for the Portland National Weather Service office (Fig. 2).

Once you select a regional area from the map or the pop-up menu (don't forget to click the [Go] button), you'll link to a page with tables listing weather stations and data for those stations. By default, you won't see data for all weather stations, but you can select "All Networks" from the Settings drop-down menu toward the top of the screen. Then click the [Change Settings] button (Fig. 3).

If you have a particular date in mind, you can change the date and click the [Change Time] button to see data for the date of interest. You can also change the time, but recognize that everything on this web site is displayed as UTC, also called Universal, Zulu, or Greenwich Mean Time. This is 8 hours earlier than Pacific Standard Time and 7 hours earlier than Pacific Daylight Time. From the table of stations, you can select an individual station to access more data for that location. We'll use "Oregon City CW7745" as an example for this article (Fig. 5).

The link will take you to a table of data for the most recent 24-hour period (Fig. 6), starting with the oldest data at the top.

To view data for a date in the past, click on "Past Data" on the left-side menu (Fig. 6). This will link to a screen where you can select a past date to view data for (Fig. 7). In this example, the date of January 20th, 2012 has been selected. After clicking [submit], the data will appear, with information about temperature, dew point, wind speed and direction, air pressure, and a running 24-hour precipitation total (Fig. 8). Depending on which station you select, you may see additional details about weather conditions and precipitation amounts.

For more information about weather data, contact National Weather Service – Portland via telephone (503-261-9246) or email (w-pqr.webmaster@noaa.gov). Another good source for climate data is the Oregon Climate Service, www.ocs.orst.edu.