

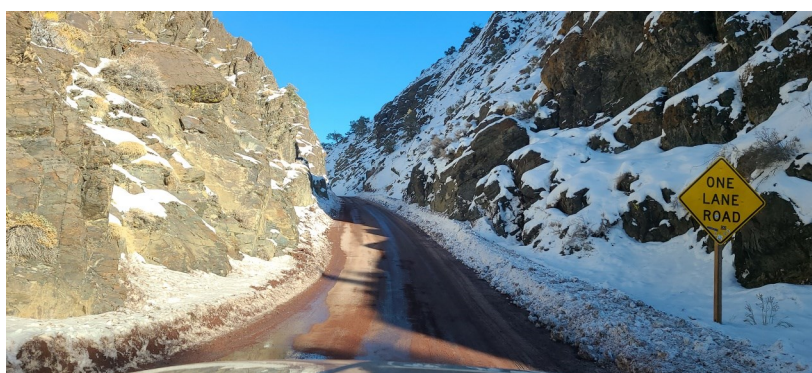
# Winter Weather Update from EMO



## Winter Storms Bring Precipitation

From December to January, the Reservation received rain and snow from multiple storms, including an atmospheric river events which brought just under 85” to the Mammoth Mountain Mesowest snow measuring station after the Christmas storm (*Eastern Sierra Avalanche Center, 2021*). The CA Department of Water Resources station at South Lake measured 54” of snow on December 26th and as of January 20th the Southern Sierra region is at 116% of normal for this date ([cdec.water.ca.gov](http://cdec.water.ca.gov))

After the first storm from 12/13—12/14, the Bishop Reservation’s rain gauge recorded 1.69” of rain, with trace amounts from snow in the following days. The Christmas storm brought heavy snow, light snow, and icy conditions, with an estimated 1” of liquid precipitation.



Photos courtesy of BryAnna Vaughan, Water Quality Program Coordinator. Clockwise from top left: EMO-B building and Native Plant Nursery area (12/16), Payahuunadii from the Sherwin Grade overlook on Christmas Day, HWY 168 East near Westgard Pass (1/2), and snowshoeing on the top of the Inyo Mountain Range near the old CARMA site (1/2).



## 2021 Air Quality Statistics Are In!

The Air Program has compiled the statistics for last years’ air quality monitoring data. **3 exceedances** of the Tribal 24-hour Standard for PM<sub>2.5</sub>, which is often largely smoke, occurred during wild fire events or “the wildfire season”, and **1 exceedance** occurred in winter (December). **6 exceedances** of the Tribal 24-hour Standard for PM<sub>10</sub> occurred in 2021, during February, April, and July through October.