

STAFF REPORT

To: Board of Directors
From: Cathleen Brennan, Water Resources Analyst
Agenda: April 9, 2019
Report: April 3, 2019
Subject: Water Resources Informational Report
Attachment: Statewide Summary of Snow Water Content



April Snow Survey Results for California

The annual April snow survey performed by the Department of Water Resources provides critical measurements to determine the available water supply for the rest of the year. Water content of the snowpack is usually at its highest in the beginning of April, before snow melt is accelerated. The manual measurements are supplemented with measurements from snow pillows and this data is used to determine water content in the Sierra Nevada snowpack and to estimate the spring runoff.

The Sierra Nevada snowpack is estimated to be at 162 percent of average for April 1st. The above average snowpack along with normal precipitation in local watersheds will provide the District with adequate water supplies through 2019 and into 2020.

The attachment on page 2 is a summary that shows the snowpack measurements in the northern, central and southern regions of the Sierra Nevada Mountains.

A healthy snowpack is important to the District's imported water supplies from the SFPUC.

Additional information on the condition of imported water from SFPUC can be found in the SFPUC's Hydrological Conditions Report.

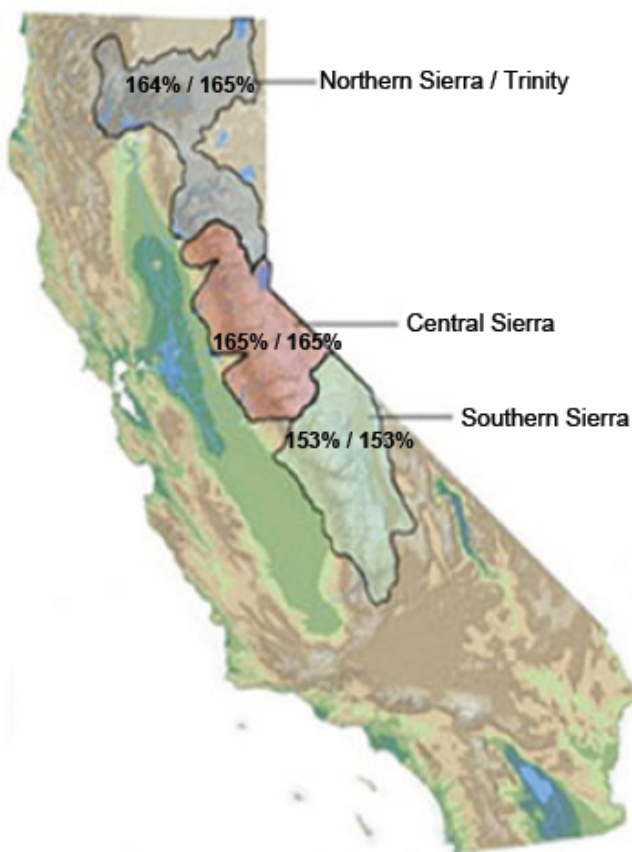




Statewide Summary of Snow Water Content

Current Regional Snowpack from Automated Snow Sensors

% of April 1 Average / % of Normal for This Date



Statewide Average: 162% / 162%

NORTH	
Data as of April 2, 2019	
Number of Stations Reporting	30
Average snow water equivalent (Inches)	47.9
Percent of April 1 Average (%)	164
Percent of normal for this date (%)	165

CENTRAL	
Data as of April 2, 2019	
Number of Stations Reporting	39
Average snow water equivalent (Inches)	47.7
Percent of April 1 Average (%)	165
Percent of normal for this date (%)	165

SOUTH	
Data as of April 2, 2019	
Number of Stations Reporting	28
Average snow water equivalent (Inches)	38.5
Percent of April 1 Average (%)	153
Percent of normal for this date (%)	153

STATE	
Data as of April 2, 2019	
Number of Stations Reporting	97
Average snow water equivalent (Inches)	45.1
Percent of April 1 Average (%)	162
Percent of normal for this date (%)	162

Data as of April 2, 2019

Updated 04/03/2019 09:18 AM