

APRIL 2019 WEATHER SUMMARY

RIVERSIDE FIRE WEATHER CENTER

PREDICTIVE SERVICES UNIT

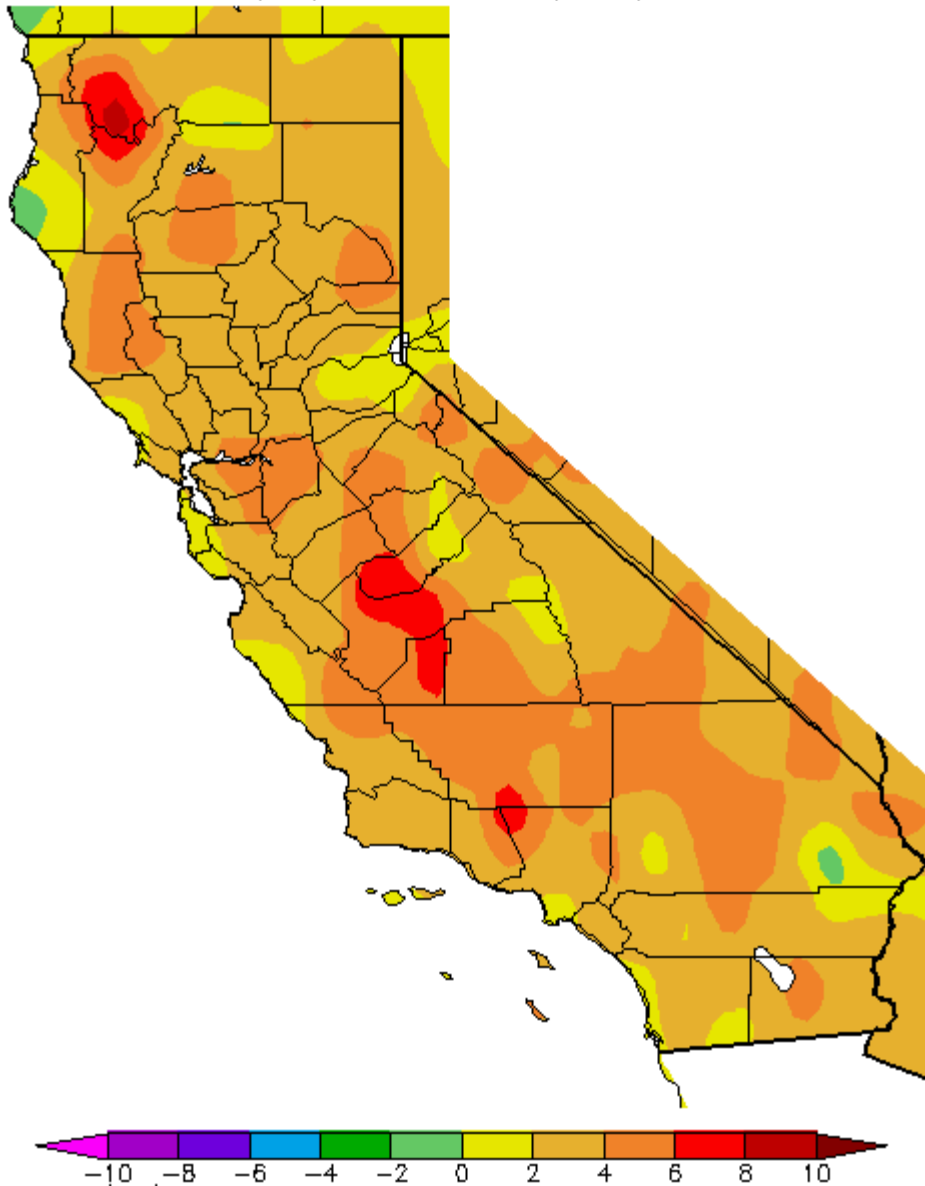
INTRODUCTION

A series of Pacific troughs and ridges of high pressure brought big temperature swings to the region in April. A series of Pacific troughs brought scattered showers and thunderstorms to the region April 2nd – April 5th, April 15th – April 16th, April 20th – April 21st, and April 28th through the end of the month. General winds were mainly south to west ahead of and with the Pacific troughs and north to east behind the troughs and with the ridges of high pressure. There were two weak Santa Ana wind events during the month. They occurred April 9th – April 12th and on April 23rd.

TEMPERATURES

A series of Pacific troughs brought near to below normal temperatures April 2nd – April 6th, April 9th – April 12th, April 15th – April 16th, April 20th – April 21st, and April 27th through the end of the month. High pressure off the California Coast brought above normal temperatures April 1st, April 7 – April 8th, April 13th – April 14th, April 17th – April 19th, and April 22nd – April 26th. Temperatures in the valleys were mainly in the upper 70s to low 90s with the ridges of high pressure and 60s to mid 70s with the Pacific troughs. For the month, maximum temperatures averaged out to 2 to 4 degrees above normal. However, maximum temperatures ranged from 0 to 2 degrees below normal over some desert locations in southeastern San Bernardino County to 6 to 8 degrees above normal over some valley locations in Fresno County. For the most part, almost the entire region received above normal temperatures.

Av. Max. Temperature dep from Ave (deg F)
4/1/2019 – 4/29/2019



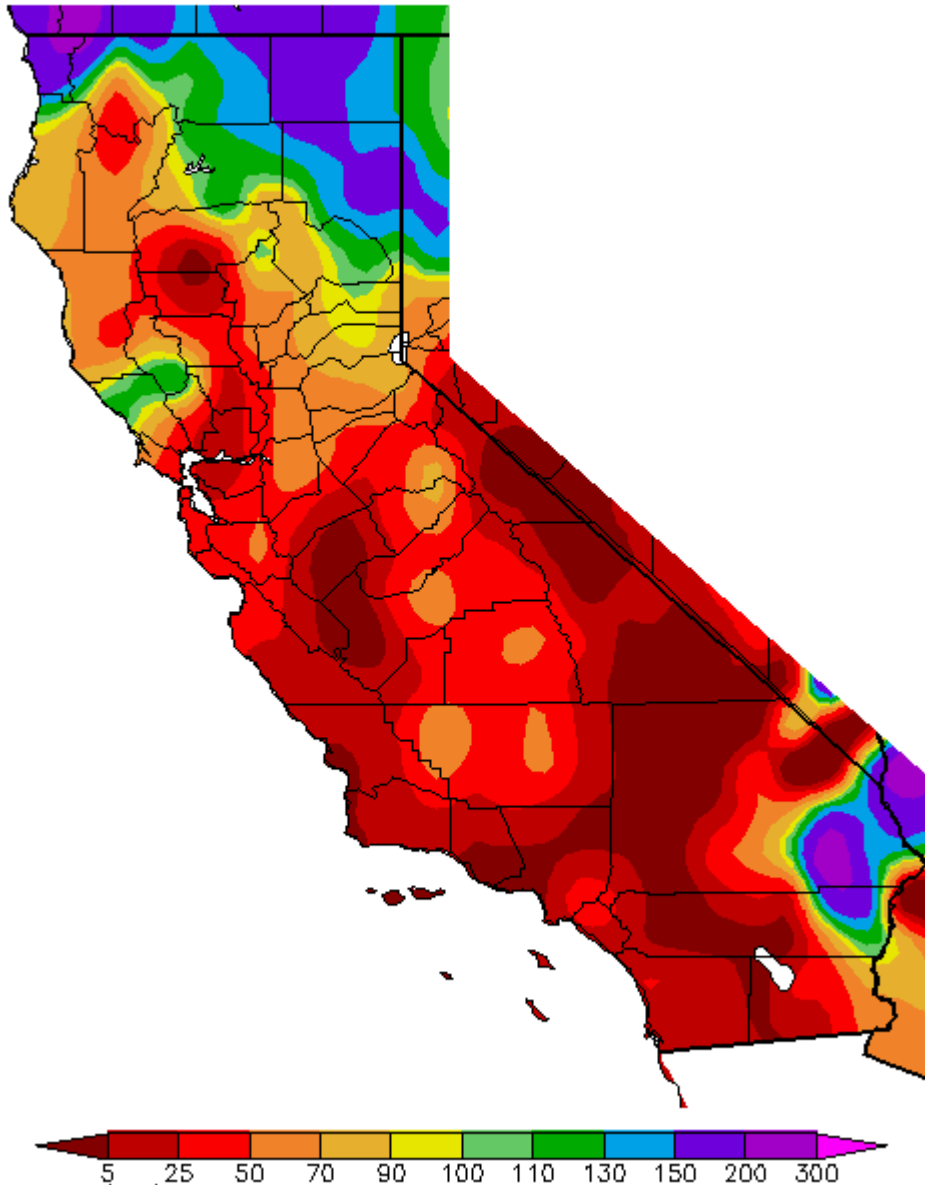
Generated 4/30/2019 at WRCC using provisional data.
NOAA Regional Climate Centers

PRECIPITATION

There was no weather disturbance that brought widespread rainfall to the region during April. However, a series of Pacific troughs moving down the West Coast brought scattered showers and thunderstorms to the region. These showers and thunderstorms occurred April 2nd – April 5th, April 15th – April 16th, April 20th – April 21st, and April 28th through the end of the month. Most

of the region received less than a half inch of rainfall for the month. However, the Sierra and the Big Sur Coast received between a half inch and 2 inches of rainfall. The snow level was mainly above 8,000 feet during the month. Between 1 and 2 feet of new snow fell over the Sierra Crest, otherwise there was little or no new snowfall. For the most part, the region received below normal rainfall. However, the deserts near the Colorado River received above normal rainfall.

Percent of Average Precipitation (%)
4/1/2019 – 4/29/2019



Generated 4/30/2019 at WRCC using provisional data.
NOAA Regional Climate Centers

WINDS

General winds were mainly south to west ahead of and with the Pacific troughs and north to east behind the Pacific troughs and with the ridges of high pressure most of April. South to west winds with the troughs were mainly 10 to 20 mph and north to east winds with the ridges of high pressure were mainly 5 to 15 mph. However, with the stronger troughs, south to west winds over some mountain and desert locations increased to 20 to 40 mph with gusts to 60 mph. There were two weak Santa Ana wind events during the month. They occurred April 9th – April 12th and on April 23rd. Winds over the mountains and below the canyons and passes of Southern California were mainly 15 to 25 mph with gusts to 40 mph. However, over the windiest locations, there were gusts to 50 mph.

FIRES

According to the ICS-209, there were no significant fires in April.

CONCLUSION

Overall, for much of the region, April received above normal temperatures and below normal rainfall. Winds were mostly south to west ahead of and with the Pacific troughs and north to east behind the troughs and with the ridges of high pressure. There were two weak Santa Ana wind events during the month.