



North Dakota

Monthly Climate Summary

June 2009

Precipitation:

Daily precipitation was primarily below normal across the State from the 1st through the 13th. On June 6th, measurable snow of up to 3 inches fell in the west. Dickinson had the first measurable June snow since 1951. The second half of June had periodic daily rain events. The National Weather Service (NWS) reported breaking rainfall records at Bismarck on the 15th and 16th, plus Grand Forks on the 26th and 27th. The North Dakota Agricultural Weather Network (NDAWN) total June rainfall ranged from 7.64 inches at Mandan to 0.65 inches at Dazey. The percent of normal June total rainfall was above normal in the southwest, south central, and far northeast corner with a general range of 110% to 300% plus (Figure 1. High Plains Regional Climate Center). Areas with below normal precipitation included the northwest corner, north central, and southeast with a general range of 25% to 70%.

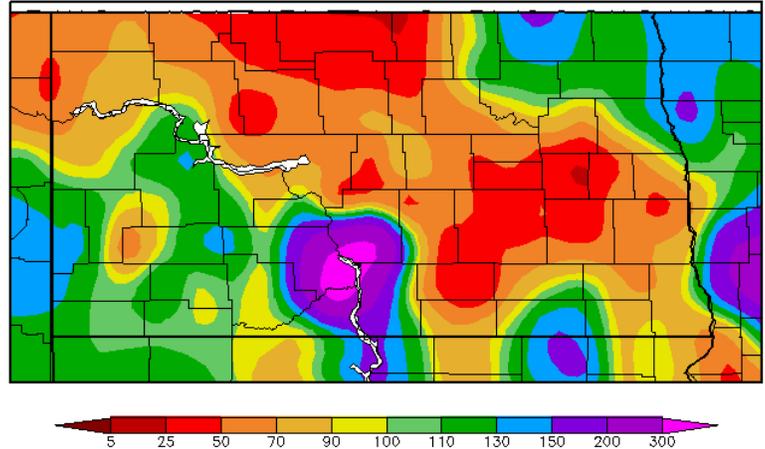


Figure 1. Precipitation Percent of Normal in June 2009 for North Dakota (High Plains Regional Climate Center)

Temperature:

Most daily temperatures were below normal across the State from the 1st through the 13th. The NWS reported breaking several low minimum and maximum air temperatures during the first half of June. Fargo set a new June record with five straight days with high temperatures in the 50's. The second half of June had average daily air temperatures hovering near normal. Monthly average air temperatures ranged from the high 50's in the west to the low 60's in the east. June average air temperature departure from normal was below normal across the State (Figure 2. North Dakota State Climate Office). The monthly departure from normal temperatures ranged from roughly -5°F in the southwest to -1°F in the east.

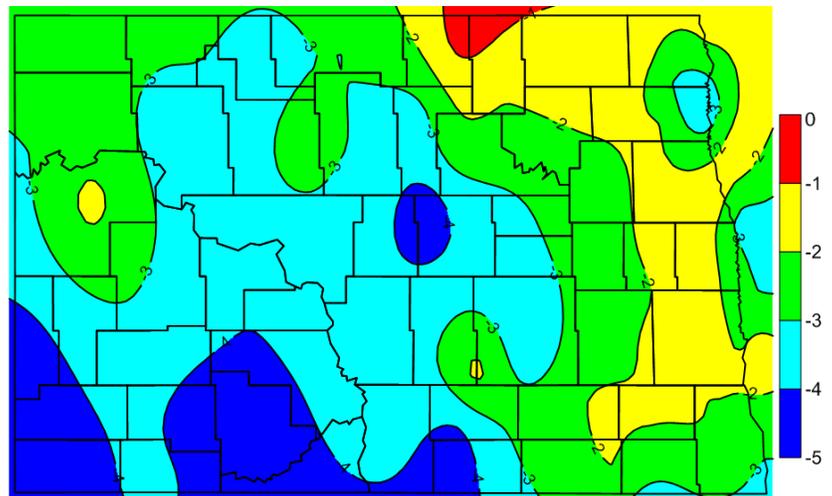


Figure 2. Temperature Departure from Normal in June 2009 for North Dakota (North Dakota State Climate Office)

Flood:

Red River in Fargo location reached to Moderate Flood Stage (above the 25' mark) on June 20 first time since the last spring flood was winding down (May 3). It crested at 27.59' on June 23, 2009. River stage has been falling steady since then. It has been out of the moderate flood category since July 26. Picture in the right was taken during the peak in Fargo (by WDAY meteorologist Daryl Ritchison).

Wild Rice River at Abercrombie also flown at moderate stage for 4 days from June 17 through June 20, reaching its crest at 18.02 on June 20 (Wild Rice River Major Stage is 12' in Abercrombie).

James River at Ludden Dam location has also flown at moderate stage. Devils Lake and Stump Lake was currently at major flood stage as this report had been prepared.

