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Indiana State Climate Office

Monthly Weather Report

Feb 14, 2007



January 2007 Climate Summary

January 1-8

The beginning of January across Indiana had temperatures way above normal and with these warmer temperatures a good deal of the precipitation fell in the form of rain. This made for above normal precipitation values as well. Average temperatures were 13.3°F above normal for the first week of the year and precipitation totals for the state were 0.63 inches above normal. Rain occurred in at least part of the state everyday except on the 2nd. A cold front came through the state on the first and cleared the way for high pressure on the 2nd. A series of fronts brought precipitation to the state on the 3rd through the 8th with the heaviest precipitation occurring on the 4th. High temperatures started out in the 40s and then climbed into the 50s by the 3rd. These readings lasted until the 6th. Across southern Indiana temperatures soared into the 60s on the 5th. On the 7th and 8th temperatures were in the upper 30s to middle 40s. Low temperatures also had a lot of variation, fluctuating between the 20s and the 50 degree mark.

January 9-18

The rainfall during the first part of the month helped to contribute to lowland flooding, however it was the rains during the middle of the month that caused the worst flooding since January 2005 along the Wabash and widespread flooding elsewhere as well. The most significant and widespread rain occurred from the 11th to the 16th with an emphasis on the 12th to 14th. Although the 9th and 10th were dry, a state average of 2.74 inches of rain fell from the 11th through the 16th alone. Many areas received higher amounts. A cold front began to move through the area and then stalled. The front remained stationary over the area before finally sweeping through as a cold front on the 15th. Widespread flooding occurred across much of Indiana and flooding remained anywhere from a few days to multiple weeks. Two people died after driving into flooded areas. This began the transition from the warm to the cold that was to follow. With the cold, some of the shallow flooded areas froze. Temperatures began during this period in the upper 30s, warmed to the 50s, and then cooled back down into the 30s. The morning of the 17th saw the coolest low temperatures with lows in the single digits across portions of extreme northwest Indiana to the middle 20s across southern Indiana. The warmest morning was on the morning of the 12th when low temperatures only dropped into the 40s and 50s. Light amounts of precipitation occurred on the 16th to the 18th over portions of northern and central Indiana, however this paled in comparison and much of this fell in the form of

snow. Temperatures were still above normal on the whole for this period and precipitation values were over two inches above normal.

January 19-31

The colder and drier conditions allowed river levels to begin to fall. The last segment of January was the exact opposite of the first segment. Below normal temperatures kept precipitation that did fall mostly in the form of snow. Average temperatures were 23.5°F, 3.3 degrees below normal and average precipitation totals were 0.45 or 0.65 inches below normal. High temperatures varied between the 20s to the 40s and lows were from the single digits to the 30s with the coldest morning on the 31st to finish off the month. Precipitation fell across portions of Indiana everyday during this period except the 19th and 22nd. Many of the systems to move through the region were clipper systems coming from Canada. These are quick moving systems that are often starved for moisture. A few of the systems came up from the south and with this brought up more in the way of gulf moisture. Despite this period of cooler temperatures and below normal precipitation, January as a whole had above normal temperatures and precipitation.

Temperature

Region	Average	Normal	Deviation
Northwest	28.0	23.0	5.0
North central	28.3	23.1	5.1
Northeast	28.5	23.1	5.4
West central	30.0	25.1	4.9
Central	30.6	25.3	5.3
East central	30.3	24.7	5.7
Southwest	34.3	29.9	4.4
South central	33.9	29.8	4.1
Southeast	33.5	29.1	4.4
State	30.8	25.9	4.9

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	3.63	1.87	1.75	194
North central	4.01	2.05	1.96	196
Northeast	4.04	1.98	2.06	204
West central	4.26	2.30	1.96	185
Central	4.91	2.36	2.56	208
East central	4.66	2.31	2.35	202

Southwest	5.09	3.08	2.01	165
South central	5.08	3.15	1.93	161
Southeast	4.73	3.03	1.70	156
State	4.52	2.46	2.06	184

Local extremes with over 50% of the data available

	Site	Ob	Dev	% Available Data
Low Precipitation	Warsaw	2.23	0.18	65
High Precipitation	Greensburg	7.33	4.56	94

**Winter Season-to-date
(December-January)**

Temperature

Region	Average	Normal	Deviation
Northwest	31.6	25.6	6.0
North central	31.9	25.8	6.1
Northeast	32.1	25.7	6.4
West central	33.3	27.6	5.7
Central	33.7	27.8	5.8
East central	33.5	27.3	6.2
Southwest	36.8	32.1	4.7
South central	36.3	32.1	4.3
Southeast	36.1	31.4	4.7
State	33.9	28.4	5.5

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	6.67	4.50	2.17	148
North central	7.15	4.82	2.33	148
Northeast	7.43	4.65	2.78	160
West central	8.11	5.24	2.87	155
Central	9.32	5.34	3.98	175
East central	8.37	5.17	3.20	162

Southwest	9.24	6.60	2.64	140
South central	9.39	6.69	2.70	140
Southeast	8.54	6.40	2.14	133
State	8.33	5.50	2.83	151

Annual-to-date

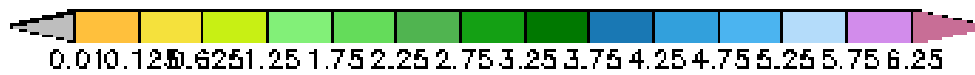
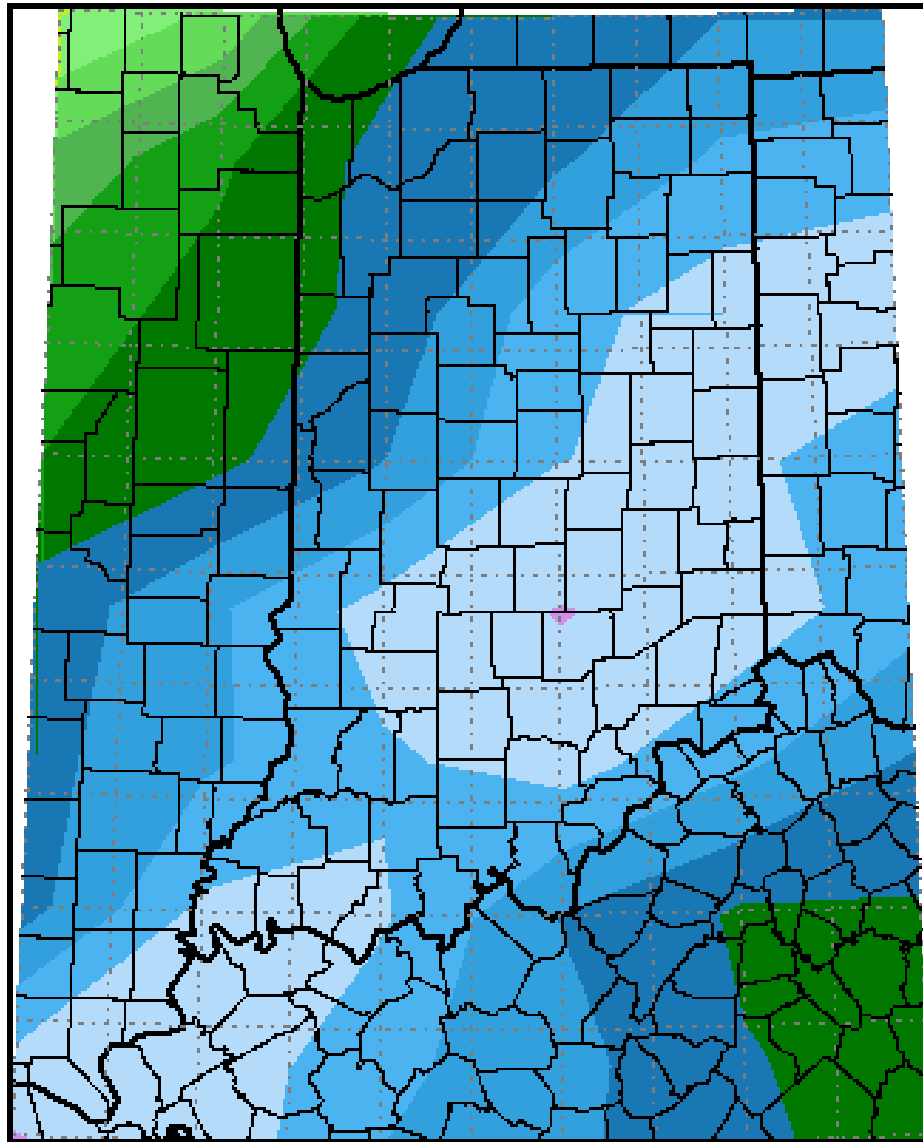
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**Total Precipitation in Inches
January 1, 2007 to January 31, 2007**

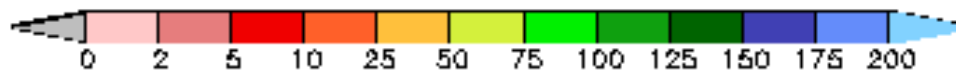
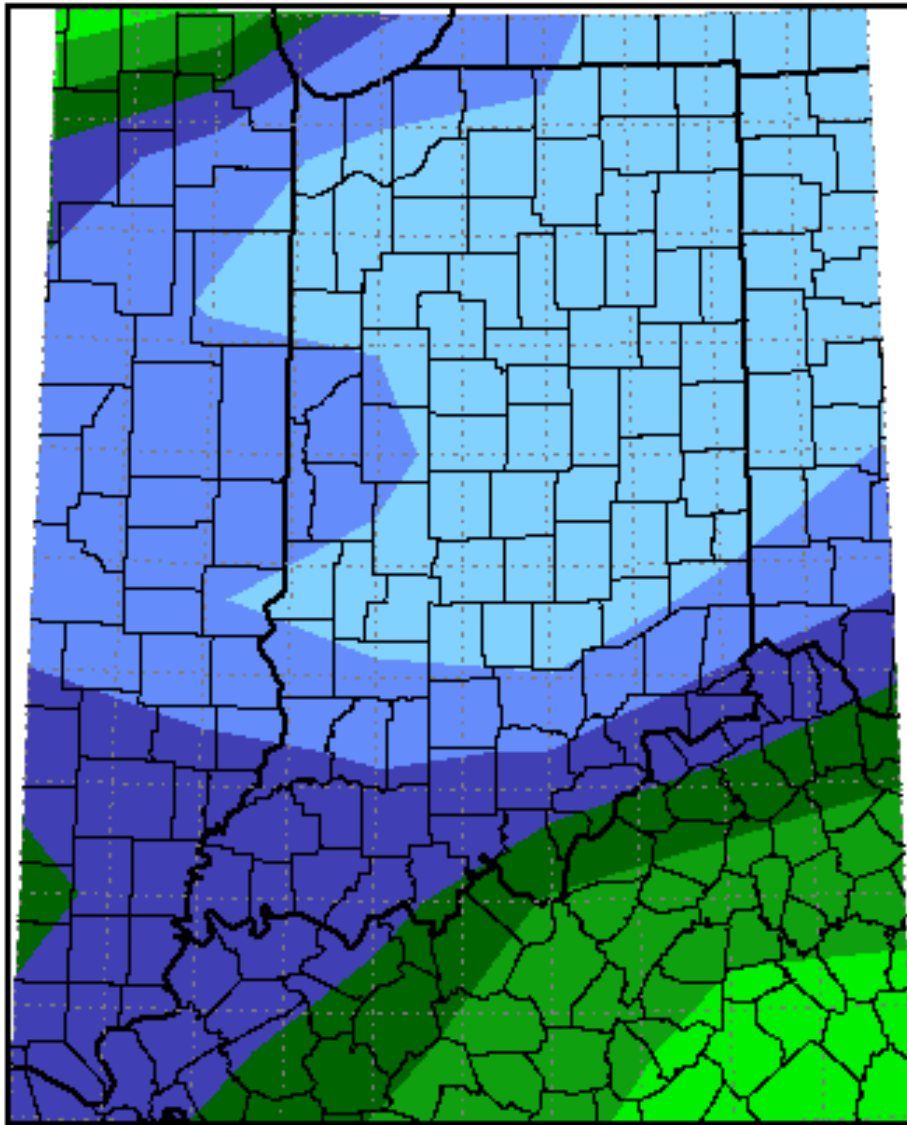


Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

**Total Precipitation Percent of Mean
January 1, 2007 to January 31, 2007**

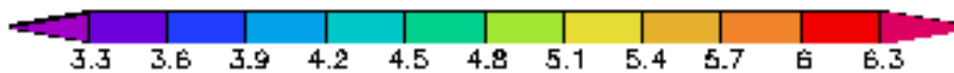
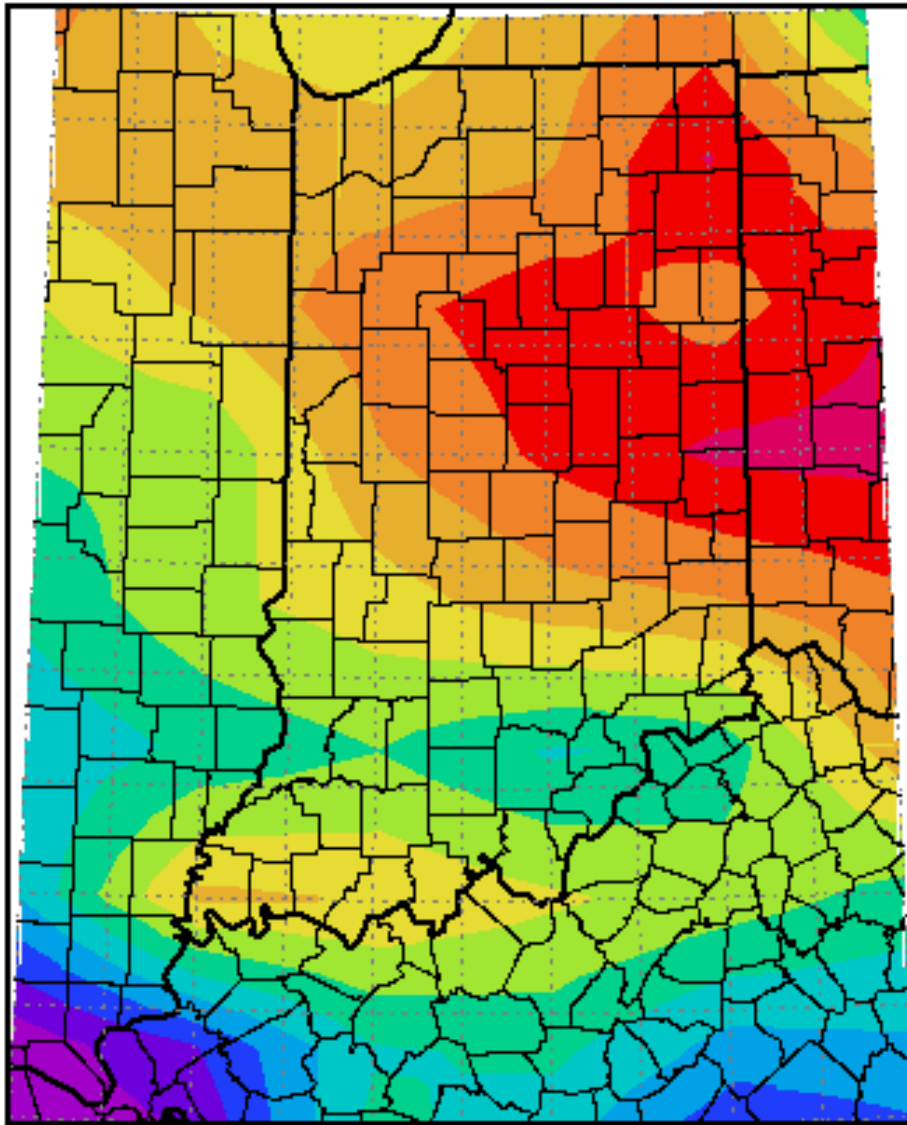


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Champaign, Illinois

**Average Temperature Departure from Mean in Degrees F
January 1, 2007 to January 31, 2007**



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Illinois State Water Survey

Champaign, Illinois

Contributions made by Al Shipe NWS Indianapolis