



July 27-28, 2013 – Cold Spell Southwest Lower Michigan

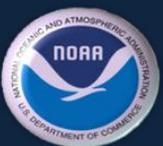


Near Record Minimum High Temperatures Well Below Normal Temperatures

Location		Forecast Low/High Temperature (°F)	Normal Low/High Temperature (°F)	Record Low High Temperature (°F)
Grand Rapids	Saturday, July 27 th	61/69	62/82	68 (1915)
	Sunday, July 28 th	54/65	62/82	61 (1981)
Lansing	Saturday, July 27 th	62/72	61/82	66 (2004)
	Sunday, July 28 th	52/64	61/82	61 (1981)
Muskegon	Saturday, July 27 th	60/64	62/80	66 (1925)
	Sunday, July 28 th	57/67	62/80	63 (1981)

Much cooler than normal temperatures infiltrate West Michigan this weekend behind an impressive low pressure system. In the table to the left, the third column lists overnight lows and daytime highs on Saturday and Sunday for Grand Rapids, Lansing, and Muskegon. Compare those forecasts with normal highs and lows in column 4 as well as the record low high temperatures in column 5.

High temperatures, especially on Saturday, will approach record lows for that particular date. Highs will be anywhere from 10-18 degrees below normal!



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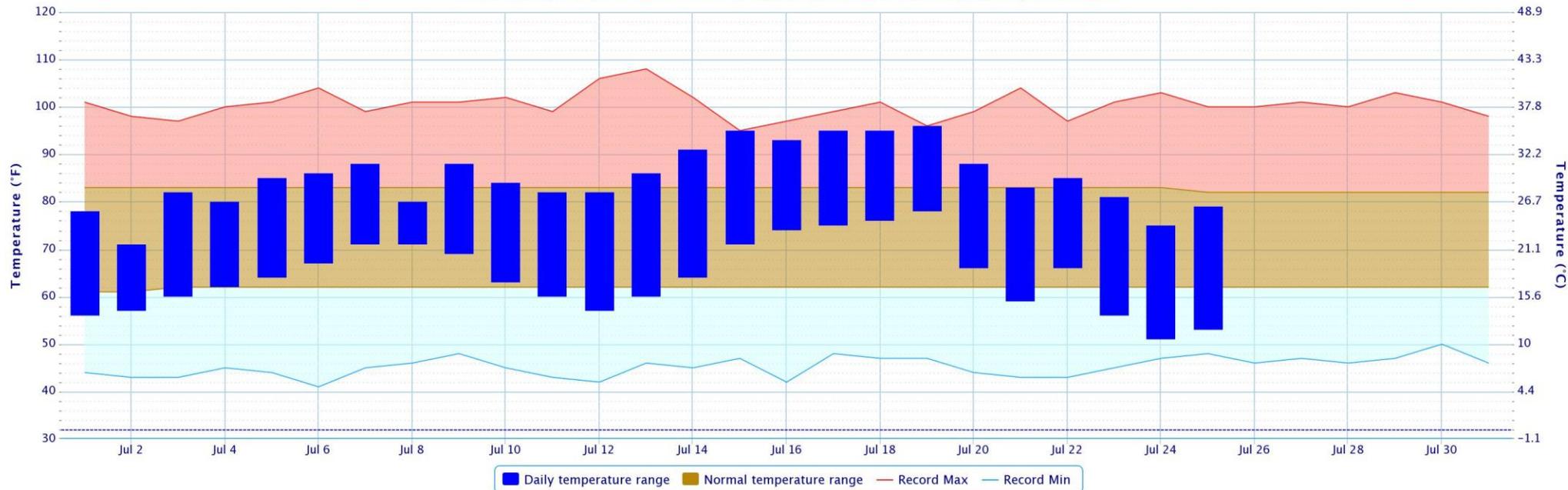
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July 2013 – Daily Temperature Graph Grand Rapids, MI

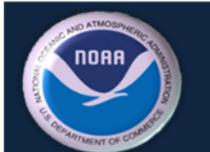


Daily Temperature Data – Grand Rapids Area, MI
Period of Record – 1892-06-01 to 2013-07-25. Normals period: 1981-2010. Click and drag to zoom chart.



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In this graph, the vertical blue bars represent the daily temperature range at Grand Rapids during July 2013 through the 25th. The top of the blue bar is the daily high, and the bottom of the blue bar is the daily low. The red line at the top is the record maximum temperature for each date. The blue line at the bottom is the record minimum temperature for each date. The light brown area represents the normal daily temperature range, based on climatological normals from 1981-2010. For example, the high and low temperatures on July 10th and 21st were near normal. This graph shows the period of hot weather from July 14-19. Expect the blue bars to fall even more over the weekend, so much so that the highs on the 27th and 28th will only be a few degrees above normal low temperatures.



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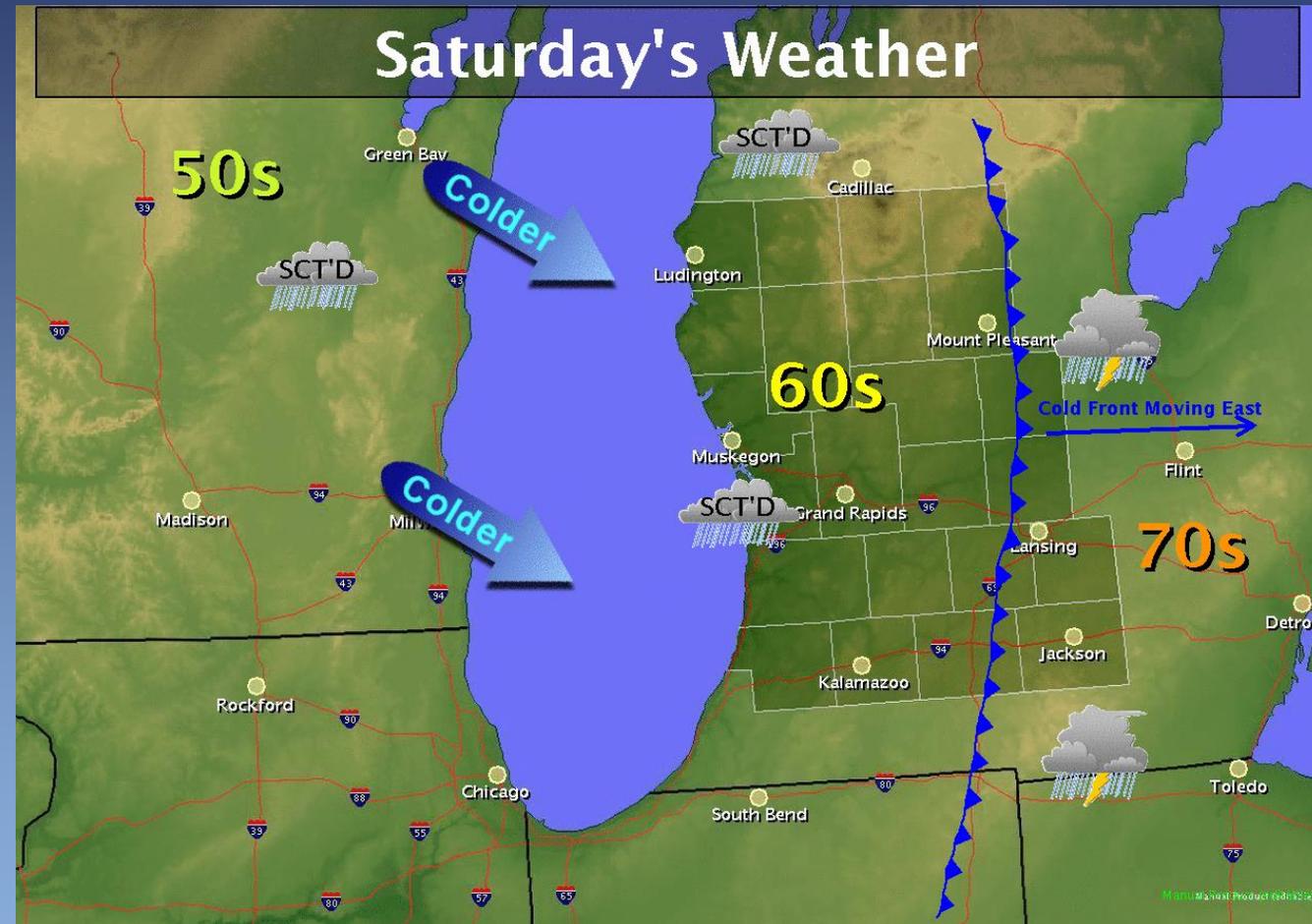
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July 27, 2013 – Cold Spell Southwest Lower Michigan



Saturday's Weather



Along with the cooler air the northwesterly winds will bring behind this stout cold front, winds and waves on Lake Michigan will also pick up again Saturday morning after a brief lull overnight Friday night. Here are the beach hazards for Saturday:

- 3-5 foot waves
- Northwest winds 15-20 mph
- Strong structural currents
- Strong long shore currents
- Rip currents possible



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July 28, 2013 – Cold Spell Southwest Lower Michigan



Sunday's Weather

Breezy and Cool
with Lake Effect
Rain Showers
and Scattered
Thunderstorms

Breezy

60s

70s

Lake Michigan will be especially unstable Saturday afternoon through Sunday as cooler air flows from the west-northwest over the relatively warmer waters. Given this instability, waterspouts are possible.

This is similar to a fall season lake-effect event, so expect rain shower activity Saturday night into Sunday.



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