21-22 December 2013 Ice Storm

A storm system moved into the Great Lakes region, bringing a mix of freezing rain, sleet, ice pellets, and snow to the region. Slick roads developed, but the primary impact was the large scale power outages that affected hundreds of thousands of residents across Lower Michigan. Tree limbs and even whole trees came down under the weight of ice. This was one of the more significant icing events on record to affect the region. Contact your local Red Cross for more information about warming centers set up throughout the region.
Ice Reports

LOCATION | PRECIP (INCHES) | TIME/DATE OF OBSERVATION | LAT | LON

MICHIGAN

**..ALLEGAN COUNTY**

2 SSE HOLLAND 0.16 M 148 AM 12/22 42.75N 86.10W
5 E CASTLE PARK 0.34 M 700 AM 12/22 42.74N 86.10W

**..CALHOUN COUNTY**

3 WSW BATTLE CREEK 0.32 M 123 AM 12/22 42.30N 85.25W
1 SSW SPRINGFIELD 0.56 M 700 AM 12/22 42.31N 85.25W

**..CLINTON COUNTY**

DEWITT 0.20 E 201 AM 12/22 42.84N 84.58W

**..KALAMAZOO COUNTY**

KALAMAZOO 0.20 E 1226 AM 12/22 42.28N 85.59W

**..KENT COUNTY**

1 NNE BELMONT 0.25 M 815 AM 12/22 43.10N 85.60W
3 ESE KENTWOOD 0.25 M 123 AM 12/22 42.88N 85.53W
1 SSW EAST GRAND RAPIDS 0.30 M 853 AM 12/22 42.94N 85.61W
3 ENE KENTWOOD 0.36 M 700 AM 12/22 42.89N 85.54W

**..MUSKEGON COUNTY**

MUSKEGON 0.25 M 920 AM 12/22 43.23N 86.26W

**..VAN BUREN COUNTY**

BLOOMINGDALE 0.25 E 858 AM 12/22 42.38N 85.96W

ICE STORM REPORTS

LOCATION | OBSERVED VALUE | TIME/DATE OF OBSERVATION | LAT | LON

MICHIGAN

**..ALLEGAN COUNTY**

ALLEGAN 0.40 M 1219 PM 12/22 42.53N 85.85W
MARTIN 0.75 M 1138 AM 12/22 42.54N 85.64W

**..BARRY COUNTY**
Winter Precipitation Summary – National Weather Service Grand Rapids, MI

**NW DELTON**
- 3 NW DELTON: 0.63 M, 1200 PM, 12/22, 42.53N, 85.45W
- 2 NW DELTON: 0.75 M, 418 PM, 12/22, 42.52N, 85.44W

**CALHOUN COUNTY**
- MARSHALL: 0.63 M, 843 AM, 12/22, 42.26N, 84.96W

**INGHAM COUNTY**
- LANSING: 0.40 M, 1000 AM, 12/22, 42.71N, 84.55W

**IONIA COUNTY**
- Ionia: 0.50 M, 1139 AM, 12/22, 42.99N, 85.06W

**KENT COUNTY**
- CASCADE: 0.00 U, 200 PM, 12/22, 42.91N, 85.49W
- 1 S EAST GRAND RAPIDS: 0.40 E, 1037 AM, 12/22, 42.93N, 85.61W
- 2 SSE EAST GRAND RAPIDS: 0.50 M, 800 AM, 12/22, 42.92N, 85.60W

24 Hour Observed Snowfall, Ending 1pm 12/22
# Snow Reports

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<th>TIME/DATE OF OBSERVATION</th>
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<th>LON</th>
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<td>3 ENE KENTWOOD</td>
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<td>100 PM 12/22</td>
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<td>BIG RAPIDS</td>
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<td>N GREENVILLE</td>
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<tr>
<td>2 WSW CLOVERVILLE</td>
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<td>3 NW NEW ERA</td>
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<td>1 SE REED CITY</td>
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Outage Map from Consumer’s Energy – 5pm 12/22 (see next page).....
Ice Storm Pictures

Caledonia (courtesy of Lisa Britten)
Grand Rapids – Forest Hills Neighborhood (courtesy of Nathan Anthony)

Jamestown (courtesy of Eric Kuipers)
Lansing (courtesy of Joe Stiles)
Winter Precipitation Summary – National Weather Service Grand Rapids, MI

Williamston (courtesy of Jake Dunne)

Holt (courtesy of Jake Dunne)