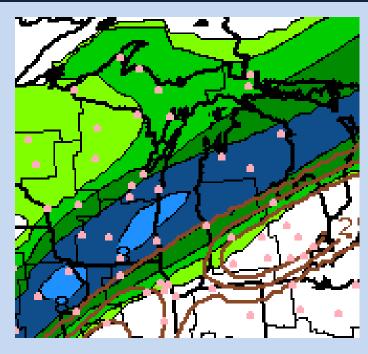


## Winter Storm to Impact Michigan







Shaded Blue = 6" snow or more Shaded Green = 2" snow or more Inside Brown Lines = Some Ice Accumulation

## **Event Summary**

**Potentially Rare Weather for Lower Michigan** 

Significant Wet Snow Accumulation and Potentially Significant Ice Accumulation

**Holiday Weekend Travel Will Be Hazardous** 

**Lengthy Power Outages Possible Some Flooding Possible** 

**Snow Continues through Monday Along the Lake Michigan Shore** 

Created: Saturday, December 21, 2013 – 1000 AM



**NOAA National Weather Service - Grand Rapids, Michigan** 

Website: http://www.weather.gov/grandrapids

Email: w-grr.webmaster@noaa.gov

Phone: 616-949-0643







## Rare Winter Storm Expected







## This is Potentially Rare Weather For Portions of Lower Michigan

#### **Weather Threats Include**

Northern Lower: Heavy Wet Snow Central Lower: Ice Accumulation

Southeast Lower: Heavy Rain and Localized Flooding

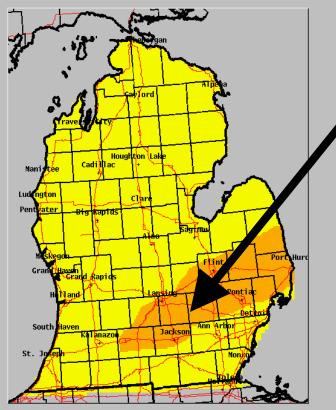
Immediate – Life Saving Action	Extremely Life Threatening Everything Will be Shut Down Possibly for Days or Weeks
Be Prepared – Major Actions	Expect Dangerous Conditions Expect Major Disruption of Normal Activities
Be Aware – Minor Actions	Caution – Especially When Travelling Plan to Be Inconvenienced
Little to No Action	Little to No Impact on Daily Life Plan on Minor Inconvenience



## Rare Winter Storm Expected

### This Afternoon through Sunday





Including: Lansing, Jackson, Battle Creek, Marshall, Flint, Pontiac, Port Huron

#### **Expected Impacts**

Hazardous Travel This Afternoon and Sunday I-94, I-96, I-69, I-75 US-127, US-131

Icy Roads, Especially Secondary Roads and Overpasses, Elevated Surfaces

#### **Possible Impacts**

Widespread, Lengthy Power Outages
Widespread Tree Damage

Event Cancellations/Road Closures Localized Flooding and Ice Jams

#### Snow/Rain

Little or no snow accumulation

Freezing rain expected

#### Ice Accumulation

Up to one-half inch expected

#### **Temperatures and Wind**

Temperatures Remaining Near Freezing 10-15 mph Winds from the Northeast

# Immediate – Life Saving Action Extremely Life Threatening Everything Will be Shut Down Possibly for Days or Weeks Be Prepared – Major Actions Expect Dangerous Conditions Expect Major Disruption of Normal Activities Be Aware – Minor Actions Caution – Especially When Travelling Plan to Be Inconvenienced Little to No Action Little to No Impact on Daily Life Plan on Minor Inconvenience

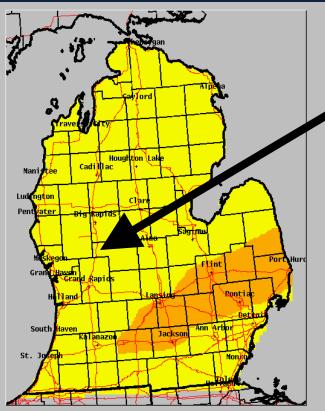
# Will This Happen? Near Certain Better than 50/50 Chance Unlikely



## Winter Weather Expected

### Late This Afternoon through Sunday





Including: Ludington, Muskegon, Mt. Pleasant (snow)
Grand Rapids, Kalamazoo, Holland, Alma (ice & snow)

#### **Expected Impacts**

Hazardous Travel – Very Slow Speeds This Evening and Sunday Visibility Less Than a Few Car Lengths

#### **Possible Impacts**

Isolated Power Outages
Numerous Accidents
Icy Roads
Tree Damage – especially areas impacted
by November 17-18 Severe Storms

Event Cancellations
Road Closures

#### Snow

Wet and Heavy Snow 4 to 7 inches: Ludington, Mt. Pleasant Around 1 inch: Grand Rapids, Holland

#### Ice Accumulation

Around one-tenth of an inch near Holland, Grand Rapids, Alma

#### **Temperatures and Wind**

Lows: 20-28 Highs: 28-33 10-15 mph from the Northeast

# Immediate – Life Saving ActionExtremely Life Threatening<br/>Everything Will be Shut Down Possibly for Days or WeeksBe Prepared – Major ActionsExpect Dangerous Conditions<br/>Expect Major Disruption of Normal ActivitiesBe Aware – Minor ActionsCaution – Especially When Travelling<br/>Plan to Be InconveniencedLittle to No ActionLittle to No Impact on Daily Life<br/>Plan on Minor Inconvenience

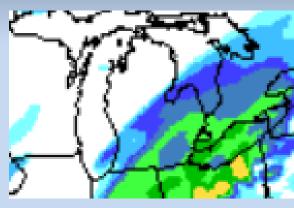
Will This Happen?		
Near Certain		
Better than 50/50 Chance		
Unlikely		



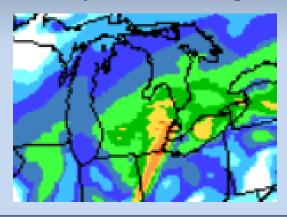
## When Winter Weather is Expected



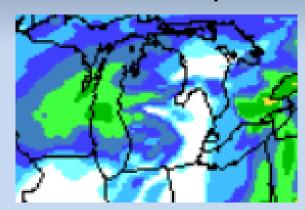
Weather Radar 10 am Today



Weather Radar Forecast
10 pm This Evening



Weather Radar Forecast
10 am Sunday



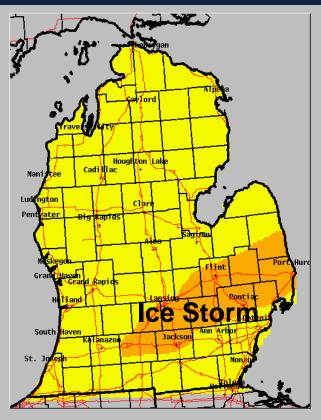
Starting	This Afternoon
Worst Weather Expected	4 pm Today to 7 pm Sunday
Ending	By 7 pm Sunday Night Except – near Lake Michigan where snow will continue into Monday
Travel Affected	Greatest Expected Impact: This afternoon through Sunday Morning Impacts Continuing: Sunday Evening



## Winter Storm Impact Summary







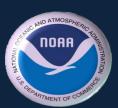
**Significant Wet Snow Accumulation and Potentially Significant Ice Accumulation** 

**Holiday Weekend Travel Will Be Hazardous** 

Lengthy Power Outages Possible Some Flooding Possible

Additional Snow, Hazardous Travel near Lake Michigan Sunday Night, Monday

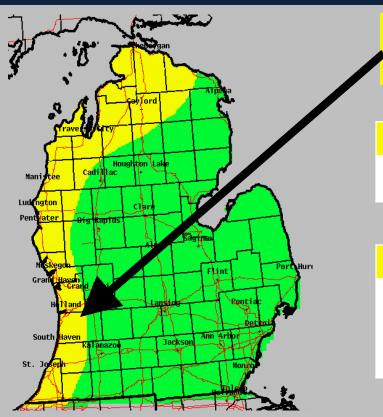
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Be Prepared – Major Actions	Expect Dangerous Conditions Expect Major Disruption of Normal Activities
Be Aware – Minor Actions	Caution – Especially When Travelling Plan to Be Inconvenienced
Little to No Action	Little to No Impact on Daily Life Plan on Minor Inconvenience



### Winter Weather Possible







Including: Ludington, Muskegon, Grand Haven, Holland

#### **Expected Impacts**

Hazardous Travel – Very Slow Speeds Monday Morning & Evening Commutes

#### **Possible Impacts**

Numerous Accidents
Visibility Less Than a Few Car Lengths
Event Cancellations
Power Outages
Road Closures

#### Snow

Light and Fluffy
4 to 8 Inches Possible

#### **Ice Accumulation**

**None Expected** 

#### **Temperatures and Wind**

Lows: 11-19 Highs: 18-24 Winds from the Northwest 5-15 mph

Immediate – Life Saving Action	Extremely Life Threatening Everything Will be Shut Down Possibly for Days or Weeks
Be Prepared – Major Actions	Expect Dangerous Conditions Expect Major Disruption of Normal Activities
Be Aware – Minor Actions	Caution – Especially When Travelling Plan to Be Inconvenienced
Little to No Action	Little to No Impact on Daily Life Plan on Minor Inconvenience

Will This Happen?		
Near Certain		
Better than 50/50 Chance	<b>Ø</b>	
Unlikely		



## For Additional Information



Links Below are Clickable in PDF File of the Briefing



#### **Winter Weather Briefing Slides**

www.weather.gov/grandrapids/webinars

#### **Regional Weather Radar Loop**

www.weather.gov/radar

#### **Additional Winter Forecast Information**

http://go.usa.gov/RE6

#### **Hazard Summary Page**

www.crh.noaa.gov/hazards/grr

**NOAA National Weather Service - Grand Rapids, Michigan** 

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