## Decision Support Briefing

### Bottom Line Up Front

**What**
- Strong to severe thunderstorms
- Excessive Rainfall – Flash flood potential

**Where**
- Southeast of IL River

**When**
- This morning over central IL
- Late afternoon to early evening south of I-70
- Morning/early afternoon central IL
- Afternoon/early evening south of I-70

**Impacts**
- Scattered damaging wind gusts possible
- Isolated hail to 1 inch diameter
- Potential for flash flooding in urban areas and low lying and poor drainage areas
• Occasional thunderstorms are expected today.
  • Storms could be severe early this morning in central IL, and this afternoon to early evening south of I-70.
    • Potential for wind damage and flash flooding with any storms today.

• Potential for Excessive Rainfall from any storms that develop today, due to a high moisture content of the air mass and training of storms over the same areas.
  • Highest potential will be across central to southeastern Illinois, where 1 to 3 inches of additional rain are possible.
Current Watches, Warnings, and Advisories

- Flood Watch for parts of central IL until 10 AM.
Marginal (level 1) to Slight (level 2) Risk of severe weather

**Location:**
Marginal Risk southeast of IL River
Slight Risk near/south of I-70

**Timing:**
This morning in central IL, and afternoon to early evening south of I-70

**Hazards:**
- Damaging wind gusts of 60 mph or higher
- Lightning hazards
- Locally heavy rainfall and flash flooding
### Severe Weather Outlook: Risk Categories

#### Understanding Severe Thunderstorm Outlook Categories

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>CATEGORY</th>
<th>DETAILS</th>
<th>SUMMARY</th>
<th>How many severe storms are possible?</th>
<th>How bad could the worst storms be?</th>
<th>DEFINITIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Thunderstorm</td>
<td>Although severe weather is not expected, all thunderstorms can produce deadly lightning, gusty winds, and small hail.</td>
<td>No severe thunderstorms expected</td>
<td></td>
<td>Similar to storms your area experiences many times per year</td>
<td>Severe Storm</td>
</tr>
<tr>
<td>1</td>
<td>Marginal (MRGL)</td>
<td>Some storms could be capable of damaging winds and severe hail. Localized tornado threat could develop.</td>
<td>Isolated severe storms possible</td>
<td>None</td>
<td>Numerous</td>
<td>Wind gusts of at least 58 mph</td>
</tr>
<tr>
<td>2</td>
<td>Slight (SLGT)</td>
<td>Increased confidence that some storms will contain damaging winds, severe hail, and/or tornado potential.</td>
<td>Isolated to scattered severe storms expected</td>
<td>None</td>
<td>Numerous</td>
<td>Hail at least one inch in diameter</td>
</tr>
<tr>
<td>3</td>
<td>Enhanced (ENH)</td>
<td>High confidence that several storms will contain damaging winds, severe hail, and/or tornadoes. Several severe storms could be significant</td>
<td>Scattered to numerous severe storms expected</td>
<td>None</td>
<td>Numerous</td>
<td>Tornado</td>
</tr>
<tr>
<td>4</td>
<td>Moderate (MDT)</td>
<td>High confidence that many storms will contain damaging winds, severe hail, and/or tornadoes. Several severe storms likely to be significant</td>
<td>Scattered to numerous severe storms expected</td>
<td>None</td>
<td>Numerous</td>
<td>Wind gusts of at least 75 mph</td>
</tr>
<tr>
<td>5</td>
<td>High (HIGH)</td>
<td>High confidence that an outbreak of storms will contain tornadoes, damaging winds, and/or severe hail. Tornado outbreak and/or widespread damaging winds</td>
<td>Numerous severe storms expected</td>
<td>None</td>
<td>Numerous</td>
<td>Hail at least two inches in diameter</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tornado of at least EF-2 rating</td>
</tr>
</tbody>
</table>
Today

Slight (yellow) to Marginal (green) Risk of excessive rainfall for all of central and southeast Illinois

Potential for flash flooding in urban areas as well as low lying and poor drainage areas.
## Understanding WPC Excessive Rainfall Risk Categories

<table>
<thead>
<tr>
<th>No Area/Label</th>
<th>MARGINAL (MRGL)</th>
<th>SLIGHT (SLGT)</th>
<th>MODERATE (MDT)</th>
<th>HIGH (HIGH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash floods are generally not expected.</td>
<td>Isolated flash floods possible</td>
<td>Scattered flash floods possible</td>
<td>Numerous flash floods likely</td>
<td>Widespread flash floods expected</td>
</tr>
<tr>
<td>Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.</td>
<td>Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.</td>
<td>Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.</td>
<td>Severe, widespread flash flooding. Areas that don’t normally experience flash flooding, could. Lives and property in greater danger.</td>
<td></td>
</tr>
</tbody>
</table>

**Flash flooding near me?**

- Flash Flooding
- NO Flash Flooding

[www.wpc.ncep.noaa.gov @NWSWPC](http://www.wpc.ncep.noaa.gov @NWSWPC)
Rainfall amounts in excess of an inch, with locally higher amounts, are possible today.
Decision Support Briefing
Heat Index Forecast

Friday, July 8, 2022

Highest Heat Index Today
Valid Fri 7:00AM to Fri 7:00PM CDT
Issued Jul 08, 2022 2:33 AM CDT

Highest Heat Index Tomorrow
Valid Sat 8:00AM to Sat 7:00PM CDT
Issued Jul 08, 2022 2:33 AM CDT

Today
Saturday
Decision Support Briefing

Weather Story Graphic

One More Stormy Day
Cooler and less humid this weekend

FRI
Severe and flash flooding possible
78-86°F

SAT
80-82°F

SUN
81-83°F

MON
85-90°F

TUE
83-88°F

FRI NIGHT
Evening severe possible south of I70
62-68°F

SAT NIGHT
56-61°F

SUN NIGHT
58-64°F

MON NIGHT
Isolated shower/storm
67-69°F

TUE NIGHT
63-65°F

National Weather Service Central Illinois | Issued: Friday, July 8, 2022 2:43 AM

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Drought conditions continue to expand over central IL, with severe drought currently being observed in parts of east central IL.

For more information, visit the U.S. Drought Portal: https://www.drought.gov
Resources

- NWS Lincoln Decision Support Web Page
- NWS Lincoln Event Ready Web Page
- NWS Lincoln main web page
- NWS Lincoln Graphical Hazardous Weather Outlook
- NWS Lincoln Winter Weather Page
- NWS Weather Prediction Center Precipitation Forecasts
- AirNow: Air Quality web page
- NWS Storm Prediction Center Web Page
- River Observations & Forecasts