Significant Activity – July 22-23

**Significant Events:** None

**Tropical Activity:**
- Atlantic – No tropical cyclones expected next 48 hours
- Eastern Pacific – Tropical Storm Greg; Tropical Storm Hilary; Tropical Storm Irwin
- Central Pacific – Post-Tropical Cyclone Fernanda (*FINAL*)
- Western Pacific – No activity affecting U.S. interests

**Significant Weather:**
- Severe thunderstorms possible – Middle Mississippi and Ohio valleys to Great Lakes and Mid-Atlantic
- Flash flooding possible – Southwest to Southern Rockies and Appalachians
- Significant river flooding – Southeastern WI and northern IL
- Elevated fire weather – OR and WA
- Isolated dry thunderstorms – NV, UT, CA, OR, and ID
- Space weather:
  - Past 24 hours: Minor; geomagnetic storms reaching G1 level occurred
  - Next 24 hours: None predicted

**Earthquake Activity:** No significant activity affecting U.S. interests

**Declaration Activity:** None
Trópical cyclone activity is not expected during the next 48 hours.

No new tropical cyclones are expected during the next five days.
Based on current advisories, none of the storms below threaten U.S. interests

*Tropical Storm Greg* (Advisory #24 as of 5:00 a.m. EDT)
- Located 1,290 miles WSW of Baja California, Mexico
- Moving W at 14 mph; maximum sustained winds 50 mph

*Tropical Storm Irwin* (Advisory #4 as of 5:00 a.m. EDT)
- Located 665 miles SSW of Baja California, Mexico
- Moving WNW at 9 mph; maximum sustained winds 40 mph

*Tropical Storm Hilary* (Advisory #8 as of 5:00 a.m. EDT)
- Located 325 miles SSW of Acapulco, Mexico
- Moving WNW at 15 mph; maximum sustained winds 40 mph
- Likely to become a hurricane on Monday
Post-Tropical Cyclone Fernanda: (Advisory #44 as of 5:00 p.m. EDT, July 22) - FINAL

- Located 500 miles E of Hilo, HI, expected to dissipate by Monday
- Moving WNW at 9 mph; Maximum sustained winds 35 mph
- High surf advisory remains in effect for east-facing shores of Kauai, Oahu, Molokai, Maui and the Big Island
- HI EOC remains at normal operations
- Region IX RWC remains at Steady State
National Weather Forecast

Today

Tomorrow
Severe Weather Outlook – Days 1-3
Precipitation Forecast / Flash Flood Risk

Day 1

Day 2

Day 3
National River Flood Outlook

July 22 - 27

Occurring or Imminent
Likely
Possible

Significant River Flood Outlook
Valid Thru Thu Jul 27 2017
Issued Sat Jul 22 2017 at 1931Z
NOAA/NWS/WPC & RFCs
Significant River Flood Outlook

Impacts include: Roads adversely affected. Residential, commercial, industrial, and/or agricultural areas affected. May require evacuation of people.

NOTE: Flash flooding or minor river flooding is not included in this product.
Significant River Flood Outlook

Maquoketa River at Manchester:
- Peaked at 23.8’ on July 22
- Water affected many businesses & closed numerous roads

Wapsipinicon River at Independence:
- Expected to peak at 18’ on July 24
- Water affects many residences, businesses & parks in Independence and Littleton

Wapsipinicon River at Dewitt:
- Expected to peak at 13.1’ on July 29
- Water affects many residences & businesses

Rock River at Moline:
- Expected to peak at 16.5’ (record) on July 25
- Affects many businesses, roads and Sears Dam

Wapsipinicon River at Independence:
- Expected to peak at 18’ on July 24
- Water affects many residences, businesses & parks in Independence and Littleton

Wapsipinicon River at Dewitt:
- Expected to peak at 13.1’ on July 29
- Water affects many residences & businesses
Significant River Flood Outlook

Riverine Flooding Wisconsin, Iowa, & Illinois

1. Kickapoo River at Gays Mills & Steuben:
   - Gays Mills: Peak of 18’ on July 21; Record 19’
   - Steuben: Peak of 17’ on July 22
   - Damage assessments continue along the river

2. Maquoketa River at Manchester:
   - Peak of 23’ projected on July 23; Record 24’
   - Water is on Main St affecting local businesses

3. Wapsipinicon River at Independence:
   - Expected to peak at 19.5’ on July 24
   - Water affects many residences, businesses & parks in Independence and Littleton

4. Maquoketa River at Maquoketa:
   - Peak of 30’ on July 22
   - Flooding on N. side of town, primary impact to agriculture

5. Pecatonica River at Freeport:
   - Peak of 16’ on projected on July 23, slowly receding
   - Primary impacts are street closures & some businesses
   - Pecatonica River feeds into Rock River N. of Rockford, IL

6. Rock River at Joslin
   - Peak of 19’ projected for July 24; Record 19.2’
   - Road closures, some homes & business flood

7. Rock River at Moline
   - Projected to exceed current record of 16.5 on July 24
   - Neighborhoods in Moline and Quad City area flooded
   - Road closures cuts off access to many homes

8. Mississippi River
   - Wapsipinicon, Rock and Maquoketa Rivers feed into Mississippi River just N. of Davenport, IA
   - No major riverine flooding expected on Mississippi
Fire Weather Outlook

Today

![Map of fire weather outlook for today. The region marked shows elevated fire risk in the western United States.]

Tomorrow

![Map of fire weather outlook for tomorrow. The region marked shows elevated fire risk expanding eastward.]

FEMA
Forecast Heat Index

National Heat Index

Watches, Warnings, and Advisories

As of 7:45 a.m. EDT July 23, 2017
# Space Weather

<table>
<thead>
<tr>
<th>Past 24 Hours</th>
<th>Minor</th>
<th>G1</th>
<th>None</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Next 24 Hours</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

For further information on NOAA Space Weather Scales refer to [http://www.swpc.noaa.gov/noaa-scales-explanation](http://www.swpc.noaa.gov/noaa-scales-explanation)

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## HF Communication Impact

[Map of HF Communication Impact]

## Sunspot Activity

[Image of Sunspot Activity]
## Wildfire Summary

<table>
<thead>
<tr>
<th>Fire Name (County)</th>
<th>FMAG # (Approved Date)</th>
<th>Acres Burned</th>
<th>Percent Contained</th>
<th>Evacuations (Residents)</th>
<th>Structures</th>
<th>Fatalities / Injuries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detwiler (Mariposa)</td>
<td>5192-FM-CA July 17, 2017</td>
<td>75,500 (+500)</td>
<td>40% (+15)</td>
<td>Mandatory &amp; Advisory</td>
<td>1,500 homes</td>
<td>21 (13 homes) 131 (63 homes) 0 / 0</td>
</tr>
</tbody>
</table>

**Detwiler Fire**

- Mandatory evacuations have been lifted for the town of Mariposa (pop. 2,173), **however the town remains under an evacuation advisory**
- Mandatory evacuations remain in effect for other areas along and within the fire perimeter
<table>
<thead>
<tr>
<th>Region</th>
<th>State / Location</th>
<th>Event</th>
<th>IA/PA</th>
<th>Number of Counties</th>
<th>Start – End</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>New Hampshire</td>
<td>Severe Weather</td>
<td>IA</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jun 30 – Jul 1, 2017</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PA</td>
<td>1</td>
<td>Jul 6 – Jul 21</td>
</tr>
<tr>
<td></td>
<td>Vermont</td>
<td>Severe Weather</td>
<td>IA</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jun 30 – Jul 1, 2017</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PA</td>
<td>8</td>
<td>Jul 12 – TBD</td>
</tr>
</tbody>
</table>
## Disaster Requests & Declarations

<table>
<thead>
<tr>
<th>Declaration Requests in Process</th>
<th>Requests APPROVED (since last report)</th>
<th>Requests DENIED (since last report)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>OR – DR (Appeal) Severe Winter Storm</td>
<td>June 9, 2017</td>
<td></td>
</tr>
<tr>
<td>OK – DR Severe Storms, Tornadoes, Straight-line Winds, and Flooding</td>
<td>July 6, 2017</td>
<td></td>
</tr>
<tr>
<td>NY – DR (Expedited) DR Flooding</td>
<td>July 6, 2017</td>
<td></td>
</tr>
<tr>
<td>WY – DR Flooding</td>
<td>July 10, 2017</td>
<td></td>
</tr>
<tr>
<td>NE – DR Severe Storms, Tornadoes, and Straight-line Winds</td>
<td>July 13, 2017</td>
<td></td>
</tr>
<tr>
<td>ID – DR Flooding, Landslides, and Mudslides</td>
<td>July 19, 2017</td>
<td></td>
</tr>
<tr>
<td>ID – DR Flooding</td>
<td>July 20, 2017</td>
<td></td>
</tr>
<tr>
<td>MI – DR Severe Storms and Flooding</td>
<td>July 21, 2017</td>
<td></td>
</tr>
</tbody>
</table>
## Readiness – Deployable Teams and Assets

### National IMATs *

<table>
<thead>
<tr>
<th>Resource</th>
<th>Force Strength</th>
<th>Available</th>
<th>Deployed</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>East 1:</td>
<td>B-2</td>
<td>13</td>
<td>0</td>
<td>13</td>
</tr>
<tr>
<td>East 2:</td>
<td>Charlie</td>
<td>28</td>
<td>28</td>
<td>0</td>
</tr>
<tr>
<td>West:</td>
<td>B-48</td>
<td>32</td>
<td>32</td>
<td>0</td>
</tr>
</tbody>
</table>

**Note:** B-2 Status: Assemble ≤ 2 hrs, On Site ≤ 18 hrs; B-48 Status: Assemble and deploy ≤ 48 hrs; Charlie Status: No team assemble time requirement

### Regional IMATs

<table>
<thead>
<tr>
<th>Region</th>
<th>Assigned</th>
<th>Available</th>
<th>Deployed</th>
</tr>
</thead>
<tbody>
<tr>
<td>US&amp;R</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>MERS</td>
<td>36</td>
<td>32</td>
<td>2</td>
</tr>
<tr>
<td>FCO</td>
<td>35</td>
<td>9</td>
<td>20</td>
</tr>
<tr>
<td>FDRC</td>
<td>11</td>
<td>6</td>
<td>3</td>
</tr>
</tbody>
</table>

**Note:** *B-2 Status: Assemble ≤ 2 hrs, On Site ≤ 18 hrs; B-48 Status: Assemble and deploy ≤ 48 hrs; Charlie Status: No team assemble time requirement*

### Cadres with less than 25% availability

<table>
<thead>
<tr>
<th>Resource</th>
<th>Assigned</th>
<th>Available</th>
<th>Deployed</th>
</tr>
</thead>
<tbody>
<tr>
<td>US&amp;R</td>
<td>28</td>
<td>28</td>
<td>0</td>
</tr>
<tr>
<td>MERS</td>
<td>36</td>
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</tr>
<tr>
<td>FCO</td>
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<td>20</td>
</tr>
<tr>
<td>FDRC</td>
<td>11</td>
<td>6</td>
<td>3</td>
</tr>
</tbody>
</table>

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*FEMA*
# FEMA Readiness – Activation Teams

<table>
<thead>
<tr>
<th>Resource</th>
<th>Status</th>
<th>Total</th>
<th>Status</th>
<th>Activated Team</th>
<th>Activation Level</th>
<th>Activation Times</th>
<th>Reason/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWC</td>
<td></td>
<td>5</td>
<td>Not Activated</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NRCC</td>
<td></td>
<td>2</td>
<td>Not Activated</td>
<td></td>
<td></td>
<td></td>
<td>NRCS Gold Team – July primary</td>
</tr>
<tr>
<td>HLT</td>
<td></td>
<td>1</td>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
<td>Hurricane Season</td>
</tr>
<tr>
<td>RWCs/MOCs</td>
<td></td>
<td>10</td>
<td>Not Activated</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RRCCs</td>
<td></td>
<td>10</td>
<td>Not Activated</td>
<td></td>
<td></td>
<td></td>
<td>Region VIII de-activated from support of FEMA-4323-DR-ND</td>
</tr>
</tbody>
</table>

**Back-up Regions (July 17-23): I, II, and III**
FEMA’s mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.