



Wet Weekend Ahead With Slow Moving System

May 17, 2024
10:00 AM

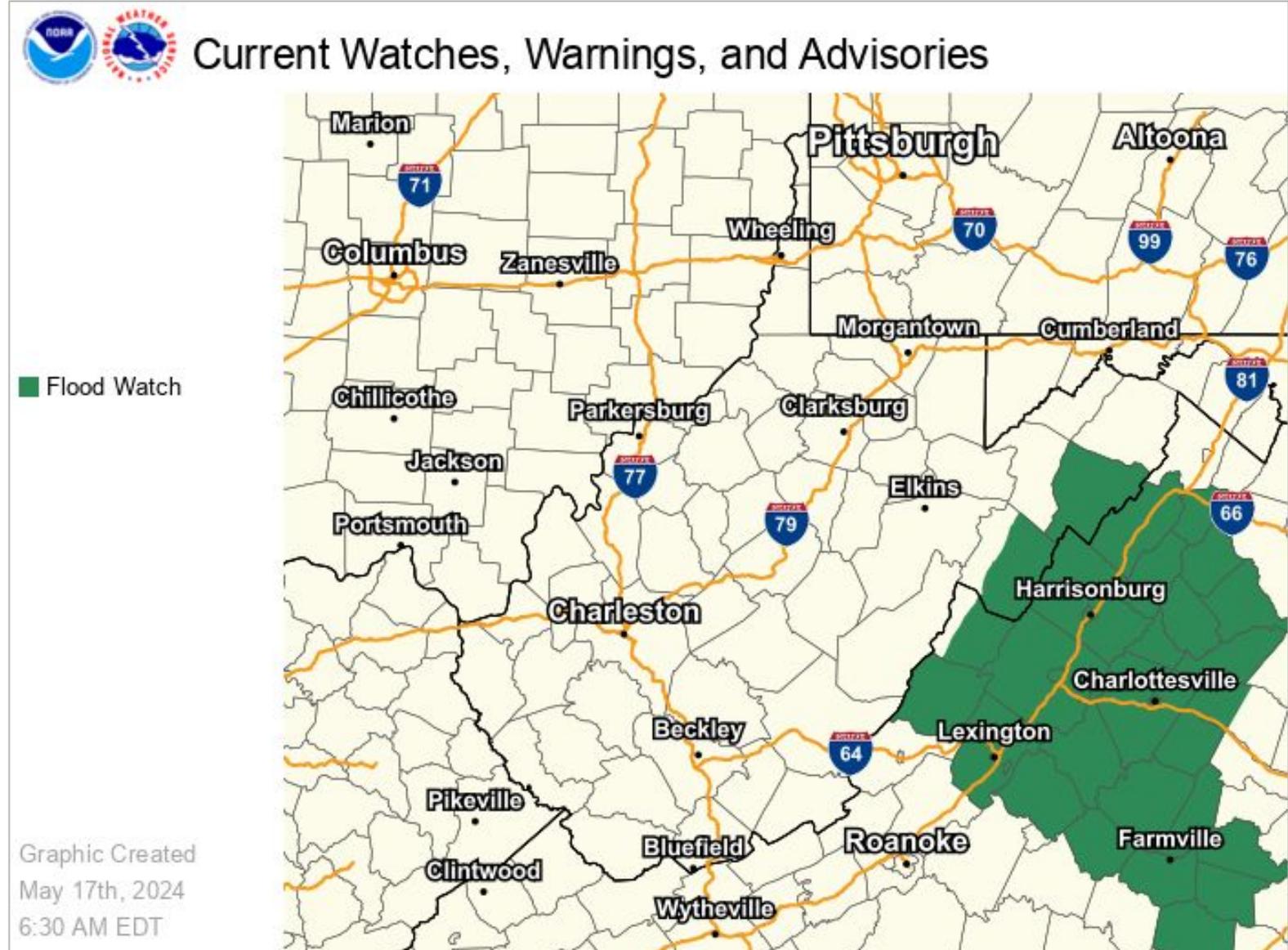
Rounds of Showers and Thunderstorms Create Flooding Concerns

Decision Support Briefing

→ As of 10 AM May 17, 2024

NEW Important Updates

- A disturbance moves up out of the south today bringing rounds of showers and some thunderstorms today.
 - Training or heavy precipitation could create some localized flooding, especially for areas that received the most rainfall the previous days.
 - A **marginal risk** for excessive rainfall exists today and tonight.
 - A **slight risk** for portions of the eastern panhandle.
- A **Flood Watch** is in effect for some counties from 3 PM today until 2 AM Saturday.
- As the system approaches Saturday more rounds of scattered showers and afternoon thunderstorms possible.
 - Moderate to heavy rainfall within cells could lead to more flooding concerns.
 - **Marginal risk** for excessive rainfall across portions of the mountains and eastern Panhandle Saturday into Sunday.
- Remnant showers and storms possible Sunday, particularly farther east along the mountains.
- Drying out Sunday night into Monday.





Main Points

May 17, 2024
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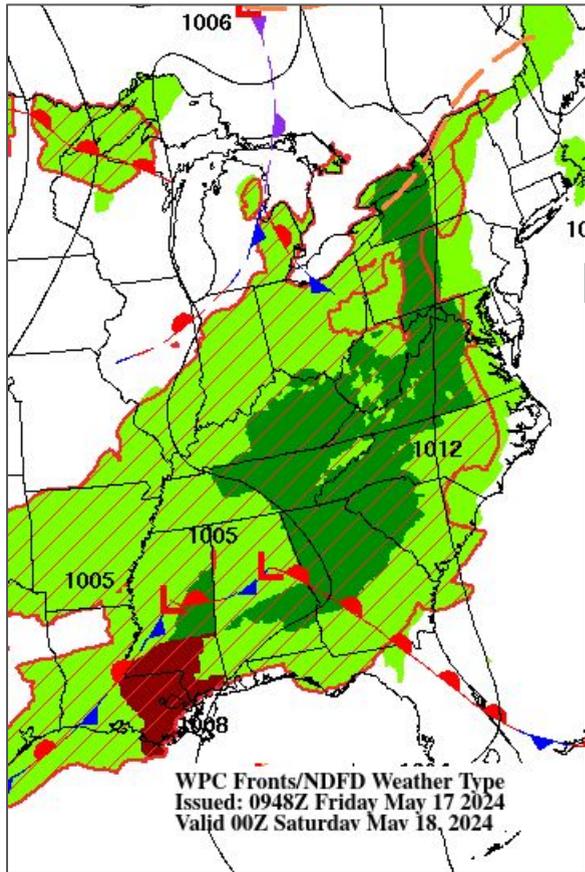
| Hazard | Impacts | Location | Timing |
|--|--|---------------------|---------------------------------|
| Flooding / Flash Flooding  | Rises possible on small creeks and streams. Rain may lead to localized flooding in poor drainage or low-lying areas. | Localized/Statewide | This afternoon through Saturday |





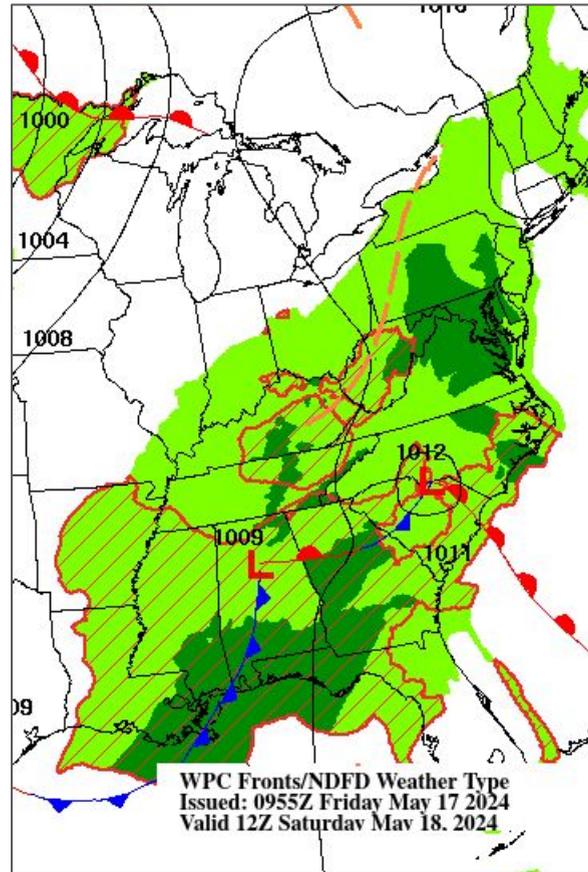
Outlook

May 17, 2024
10:00 AM



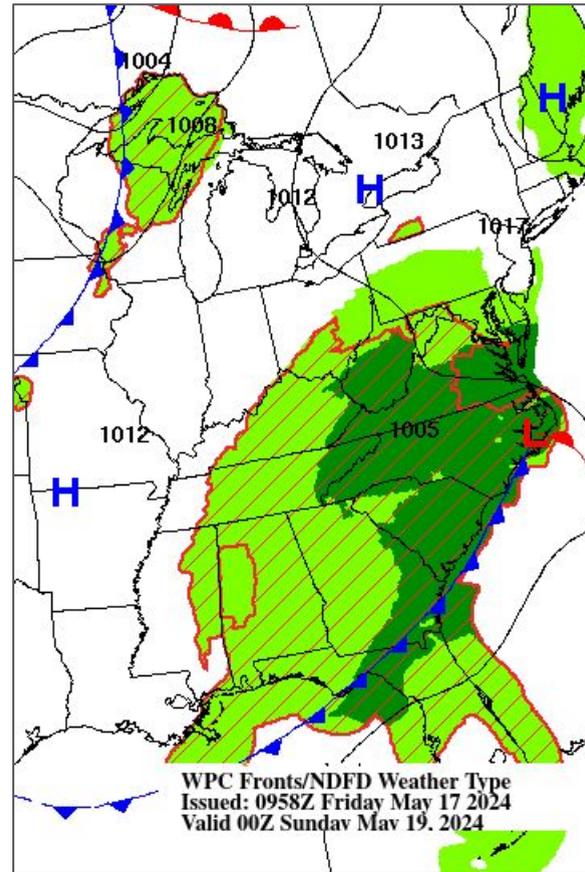
Today/Tonight

→ Disturbance causes rounds of showers and thunderstorms today and tonight.



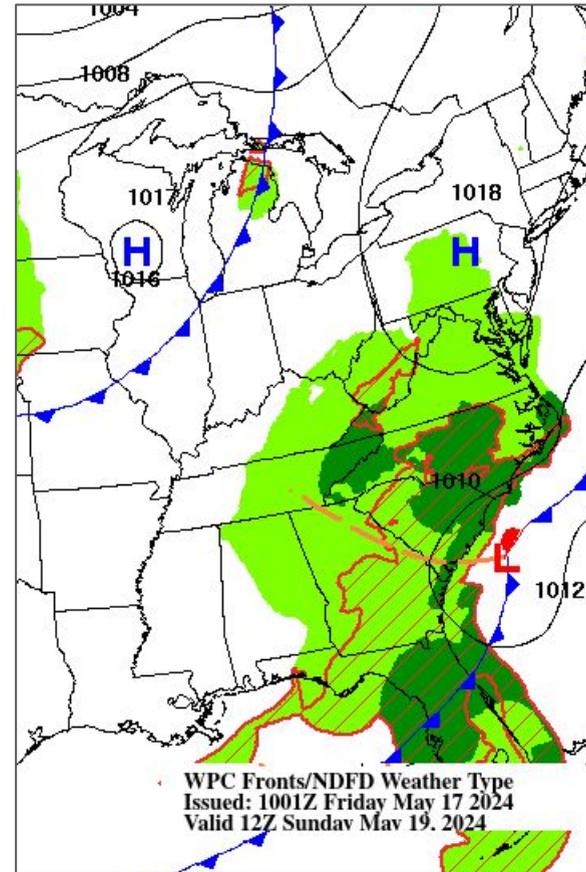
Sat

→ Another round of showers and thunderstorms as system approaches.



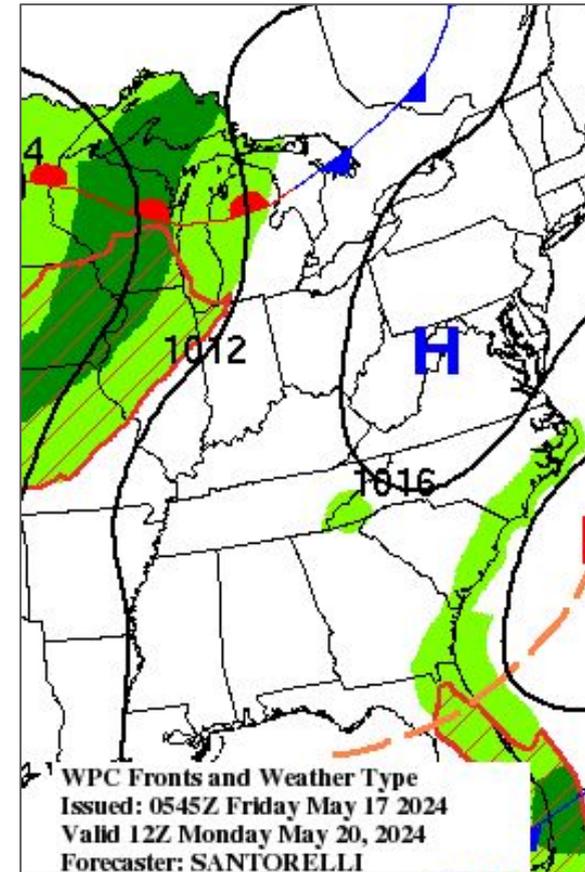
Sat Night

→ Activity continues though tapers off from west to east late.



Sun

→ Some afternoon showers and thunderstorms possible as disturbance moves off east.



Mon

→ High pressure moves in to dry us out.



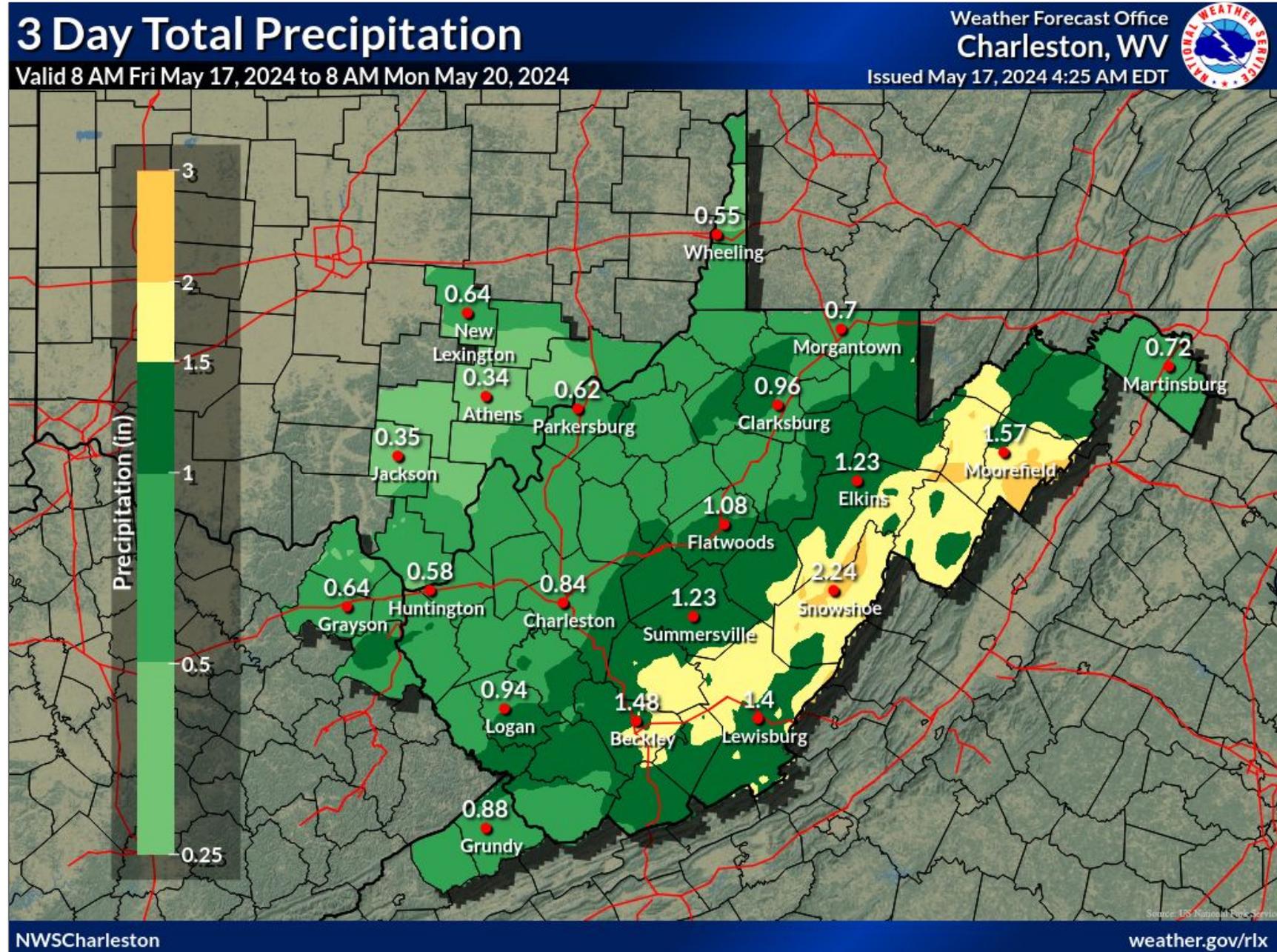


Rainfall Outlook

May 17, 2024
10:00 AM

Key Points:

- Upwards of 1-2" common across the mountains and eastern panhandle.
- 0.50-1" for most of the lowlands and coalfields.
- Lesser amounts across southeast Ohio.





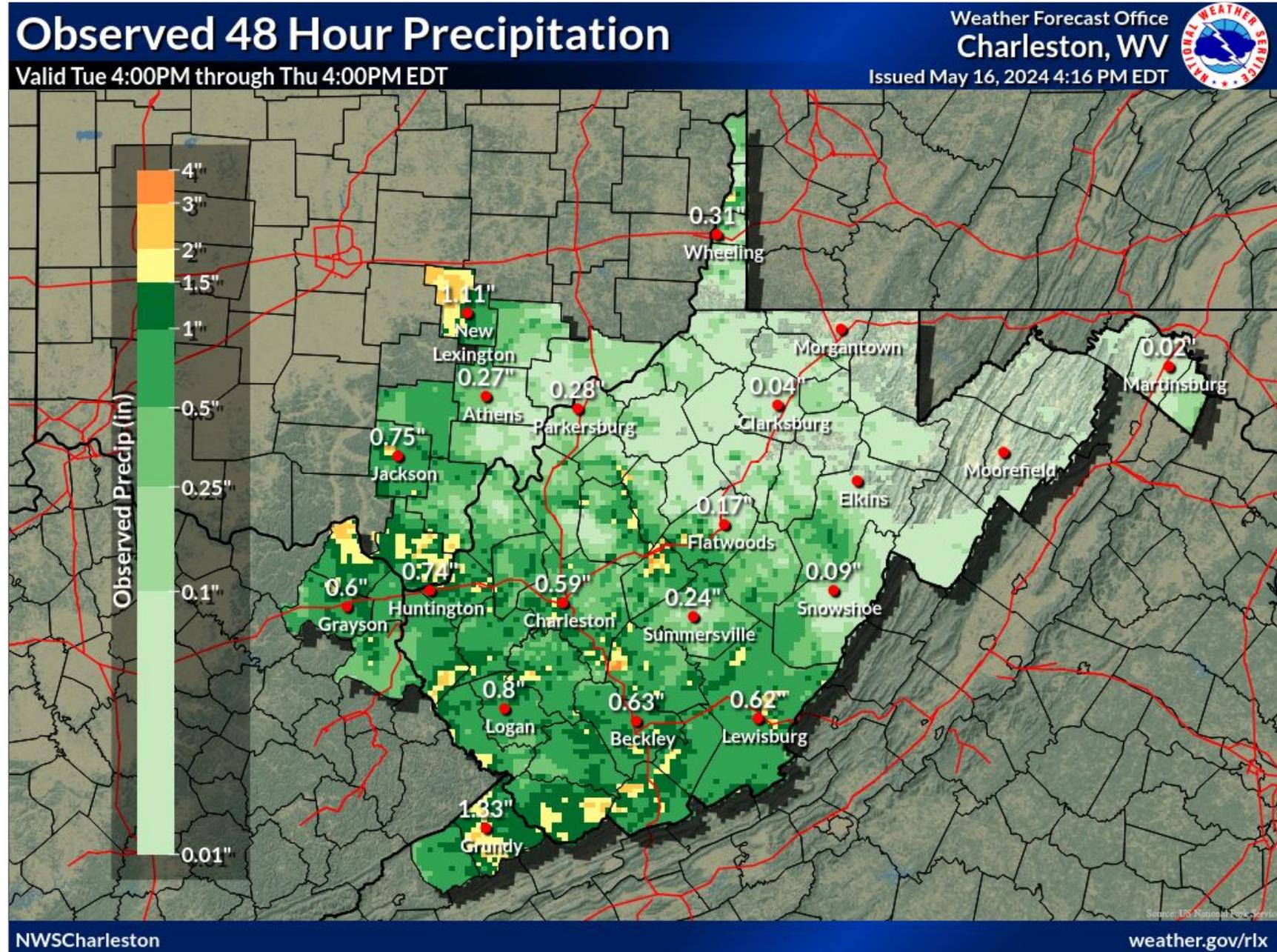
Precipitation: Past 48 Hours*

May 17, 2024
10:00 AM

*Data is radar estimated

Key Points:

- Most saturated areas across the southern portions of the state; less across the panhandles and northern lowlands.
- Some areas have seen an inch of rainfall with the previous storm.
- These areas will be areas to watch for flooding with repeated rounds of rainfall.





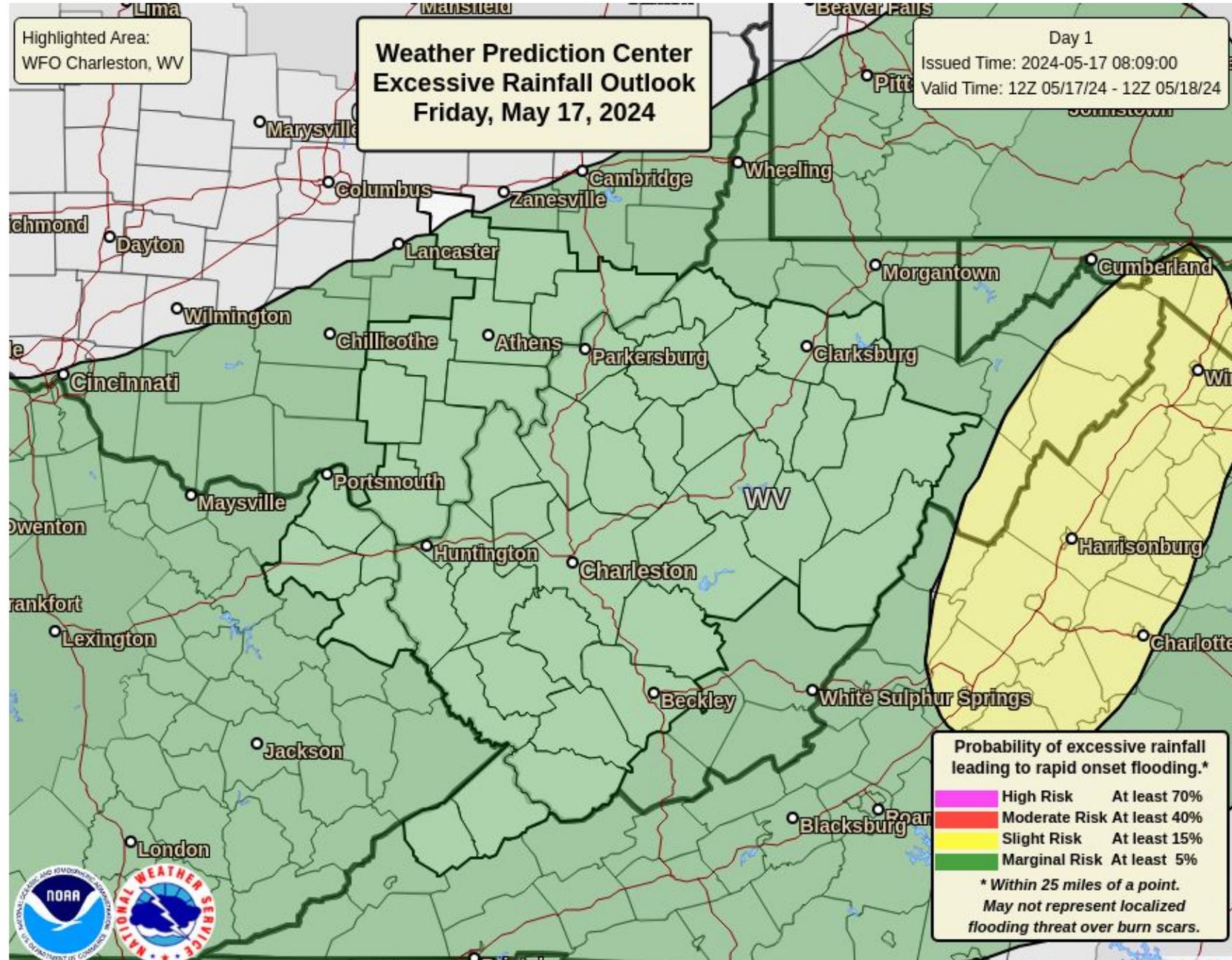
Excessive Rainfall Outlook

May 17, 2024
10:00 AM

Day 1 Outlook (Today)

Key Points:

- Showers and thunderstorms this afternoon and tonight could lead to localized water/flooding concerns across a bulk of the region.
- Portions of the eastern panhandle (Potomac/Allegheny Highlands and Shenandoah Valley) could see minor flooding issues.
- Upwards of 2-4" rain possible in the yellow area.
- Flood watch has been issued for some counties within that area.





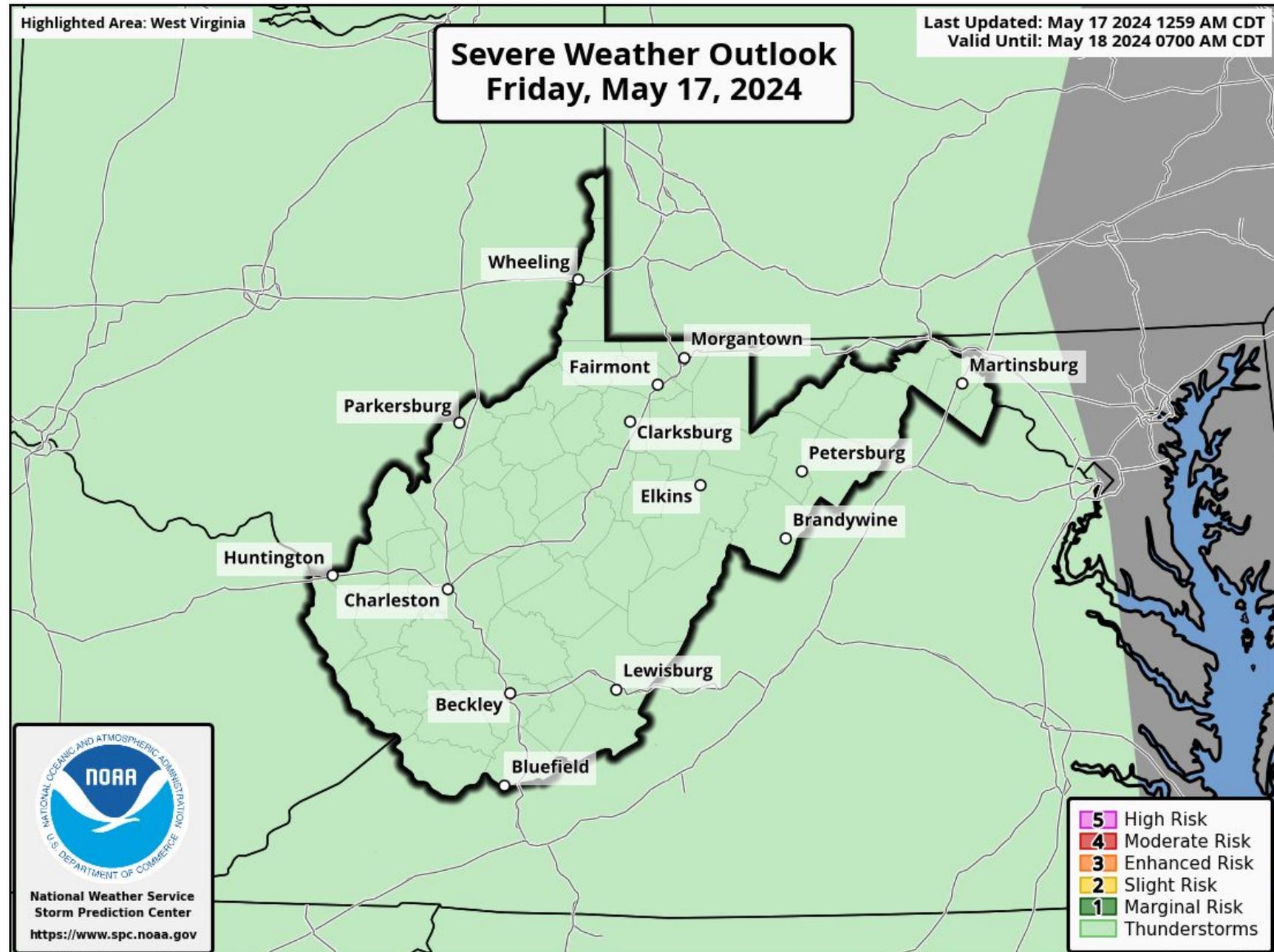
Severe Weather Outlook

May 17, 2024
10:00 AM

Day 1 Outlook (Today)

Key Points:

- No severe weather expected.
- Showers and thunderstorms move in from west to east later this morning.
- Moderate to heavy downpours could create some localized to minor flash flooding issues later today and tonight.
- Most vulnerable areas:
 1. Received the most rainfall from previous storm.
 2. See repeated rounds or training of showers and storms.





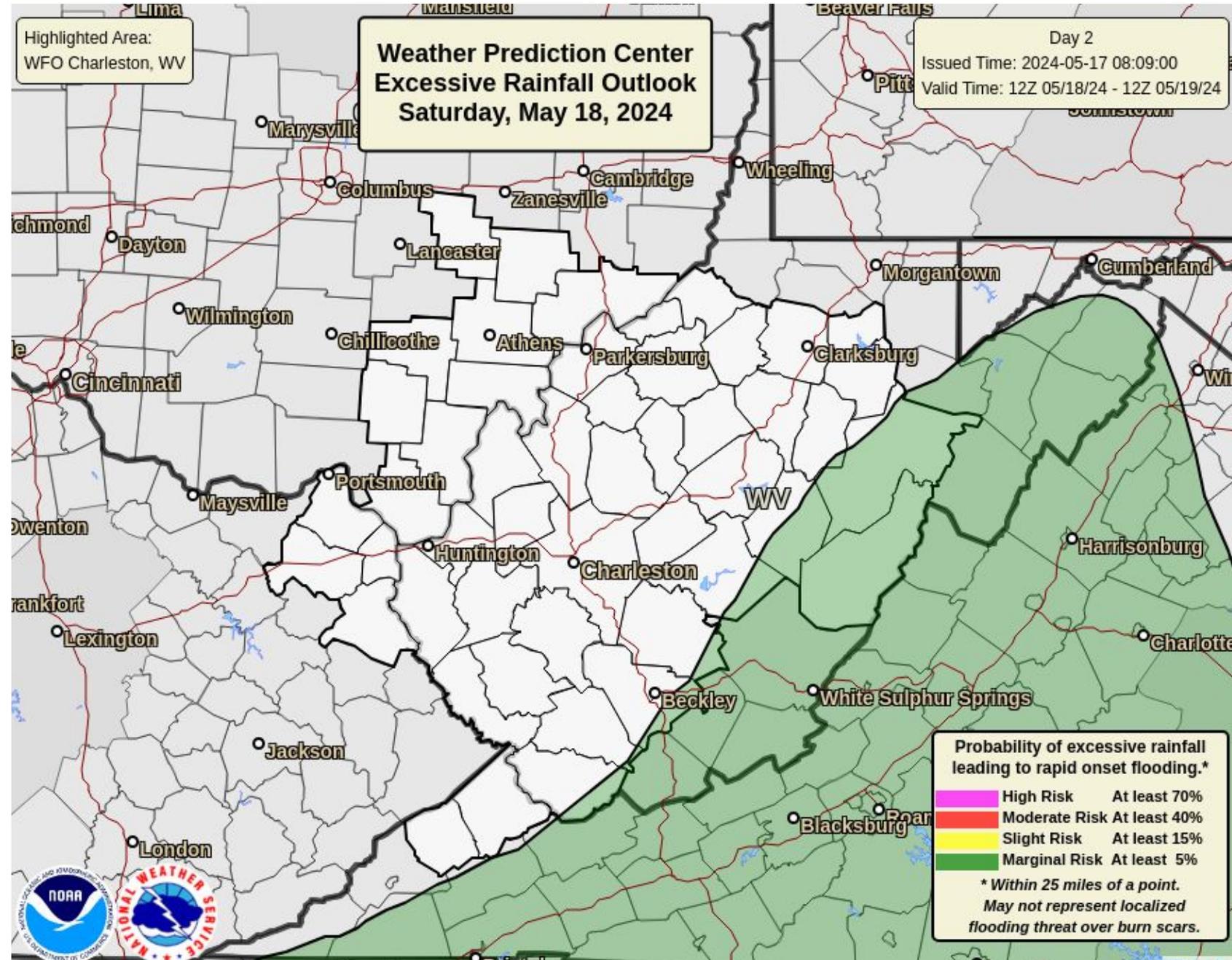
Excessive Rainfall Outlook

May 17, 2024
10:00 AM

Day 2 Outlook (Tomorrow)

Key Points:

- More showers and thunderstorms leading to localized water issues Saturday into Sunday.
- More of a concern farther east along to Alleghenies into the eastern panhandle.





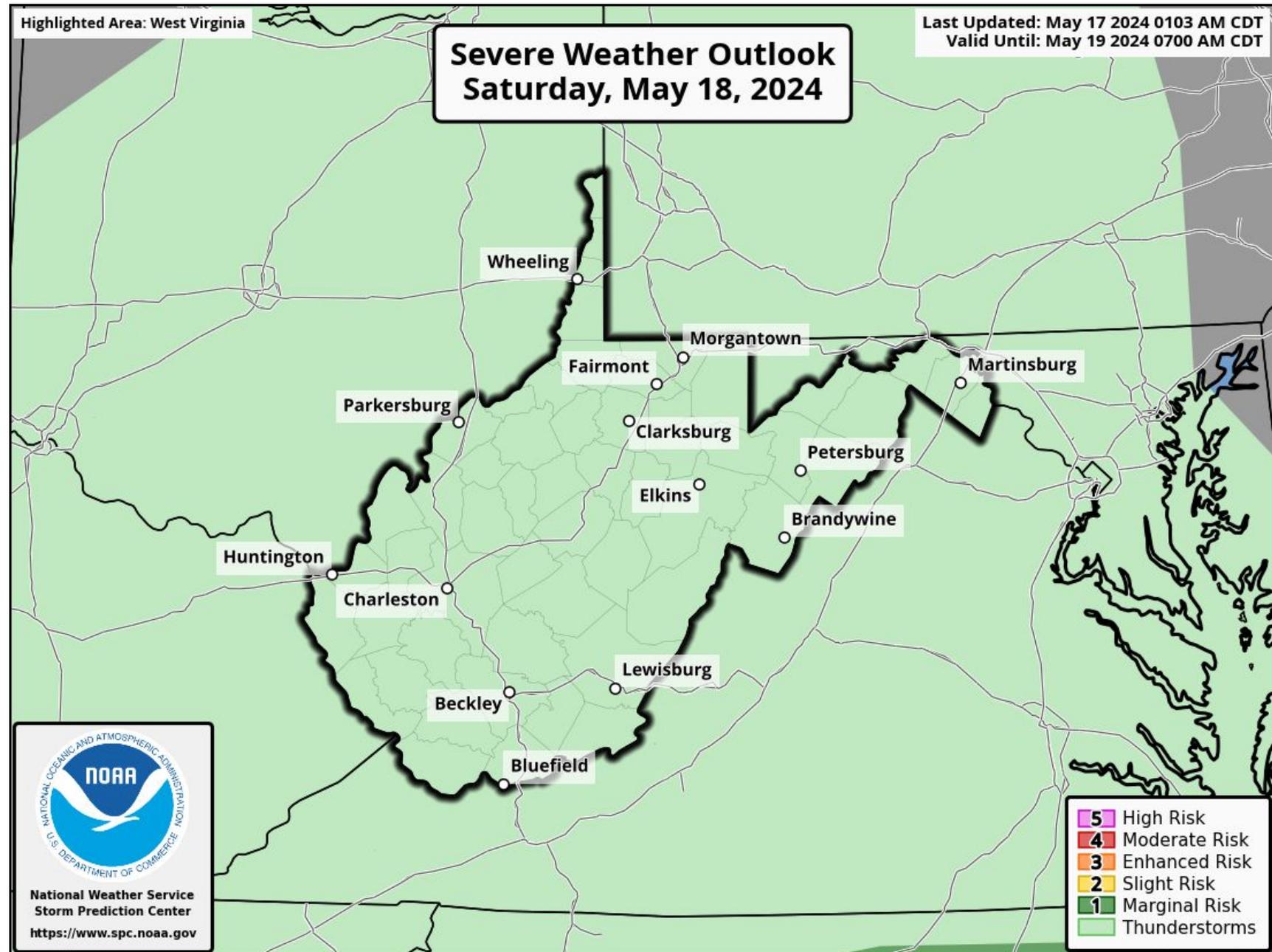
Severe Weather Outlook

May 17, 2024
10:00 AM

Day 2 Outlook (Tomorrow)

Key Points:

- No severe weather expected.
- Activity will taper off some in the morning.
- Picking back up by afternoon as a low pressure center approaches and moves overhead.
- Scattered showers and thunderstorms could create another round of flooding concerns Saturday into Sunday.





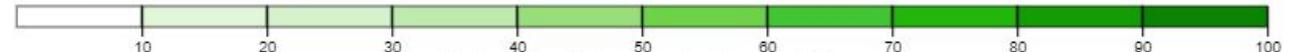
Precipitation Timing

May 17, 2024
10:00 AM

Key Points

- Wet this weekend with shortwave disturbances and a low pressure system bringing rounds of showers and storms to the area
- Heaviest rainfall amounts today through Saturday afternoon.
- Drying out Sunday night into Monday.

| | Probability of Precipitation Forecast (%) | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|
| | 5/17 Fri | | | 5/18 Sat | | | | 5/19 Sun | | | | 5/20 Mon | | | | 5/21 Tue | | | | 5/22 Wed | | | | 5/23 Thu | | | |
| | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm |
| Athens | 85 | 55 | 50 | 55 | 40 | 60 | 55 | 25 | 20 | 25 | 25 | 5 | 0 | 5 | 5 | 5 | 5 | 15 | 20 | 35 | 55 | 65 | 65 | 45 | 35 | 30 | 30 |
| Beckley | 25 | 65 | 60 | 75 | 65 | 90 | 85 | 60 | 60 | 65 | 55 | 10 | 5 | 10 | 10 | 5 | 5 | 10 | 15 | 15 | 30 | 55 | 60 | 40 | 30 | 40 | 35 |
| Bluefield | 20 | 75 | 75 | 80 | 35 | 65 | 65 | 60 | 35 | 35 | 30 | 20 | 5 | 5 | 5 | 0 | 5 | 5 | 5 | 5 | 15 | 60 | 60 | 25 | 15 | 20 | 20 |
| Charleston | 25 | 50 | 75 | 70 | 55 | 80 | 75 | 50 | 40 | 45 | 40 | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 15 | 20 | 40 | 55 | 60 | 45 | 35 | 35 | 30 |
| Clarksburg | 45 | 70 | 60 | 65 | 55 | 70 | 65 | 35 | 25 | 25 | 20 | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 15 | 20 | 40 | 55 | 55 | 40 | 30 | 35 | 30 |
| Clintwood | 25 | 65 | 80 | 60 | 65 | 90 | 85 | 65 | 60 | 65 | 55 | 5 | 5 | 15 | 10 | 5 | 5 | 15 | 15 | 20 | 35 | 55 | 60 | 45 | 35 | 40 | 35 |
| Elkins | 25 | 80 | 55 | 75 | 70 | 85 | 80 | 50 | 40 | 40 | 30 | 10 | 5 | 10 | 10 | 5 | 5 | 10 | 15 | 20 | 30 | 50 | 55 | 40 | 30 | 40 | 30 |
| Grayson | 35 | 65 | 70 | 65 | 40 | 75 | 65 | 35 | 25 | 40 | 30 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | 15 | 30 | 45 | 60 | 60 | 45 | 35 | 30 | 30 |
| Huntington | 40 | 65 | 70 | 60 | 45 | 75 | 70 | 40 | 25 | 40 | 35 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | 15 | 30 | 45 | 60 | 60 | 45 | 35 | 35 | 30 |
| Lewisburg | 15 | 70 | 70 | 80 | 60 | 80 | 80 | 60 | 35 | 35 | 35 | 20 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | 60 | 60 | 30 | 15 | 25 | 25 |
| Marlinton | 15 | 70 | 80 | 80 | 75 | 90 | 85 | 60 | 55 | 55 | 45 | 10 | 10 | 10 | 10 | 5 | 5 | 10 | 15 | 15 | 25 | 50 | 50 | 35 | 30 | 35 | 30 |
| Martinsburg | 10 | 50 | 80 | 80 | 80 | 75 | 65 | 35 | 35 | 30 | 20 | 10 | 10 | 5 | 5 | 5 | 5 | 10 | 15 | 15 | 20 | 40 | 45 | 45 | 25 | 35 | 35 |
| Moorefield | 25 | 75 | 80 | 80 | 75 | 75 | 75 | 45 | 35 | 35 | 25 | 10 | 10 | 10 | 10 | 5 | 5 | 10 | 15 | 15 | 20 | 50 | 50 | 45 | 25 | 40 | 40 |
| Morgantown | 30 | 50 | 60 | 65 | 40 | 35 | 40 | 30 | 25 | 15 | 15 | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 15 | 20 | 35 | 55 | 55 | 40 | 30 | 25 | 25 |
| Parkersburg | 80 | 60 | 60 | 60 | 45 | 65 | 60 | 30 | 25 | 30 | 25 | 5 | 0 | 5 | 5 | 5 | 5 | 10 | 20 | 30 | 50 | 65 | 65 | 45 | 35 | 35 | 30 |
| Snowshoe | 20 | 80 | 80 | 80 | 80 | 95 | 90 | 60 | 60 | 55 | 45 | 10 | 10 | 10 | 10 | 5 | 5 | 10 | 15 | 20 | 30 | 50 | 55 | 40 | 35 | 40 | 35 |
| Sutton | 35 | 70 | 65 | 75 | 55 | 80 | 75 | 45 | 40 | 40 | 35 | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 15 | 20 | 35 | 55 | 60 | 45 | 30 | 35 | 30 |
| Wheeling | 60 | 55 | 25 | 40 | 25 | 25 | 30 | 25 | 20 | 15 | 15 | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 15 | 30 | 40 | 60 | 60 | 45 | 30 | 25 | 25 |
| Williamson | 20 | 55 | 80 | 75 | 55 | 85 | 80 | 55 | 50 | 60 | 50 | 5 | 5 | 10 | 10 | 5 | 5 | 10 | 10 | 20 | 40 | 60 | 60 | 45 | 35 | 40 | 30 |



Created: 5 am EDT Fri 5/17/2024 | Values are maximums over the period beginning at the time shown.



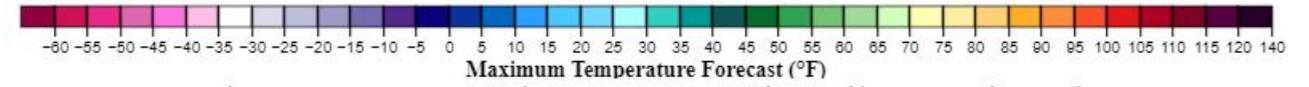
Temperature Forecast

May 17, 2024
10:00 AM

Key Points

- Mostly warm through the weekend.
- Few degrees cooler today and tomorrow due to moisture and cloud cover.
- Warmer temperatures farther west as skies clear from west to east Sunday.
- Warming trend starts Monday lasts through midweek.

| | Maximum Temperature Forecast (°F) | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|-----------------------------------|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|-------------|-----|------|-----|
| | 5/17 Fri | | | 5/18 Sat | | | | 5/19 Sun | | | | 5/20 Mon | | | | 5/21 Tue | | | | 5/22 Wed | | | | 5/23 Thu | | | |
| | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm | 12am | 6am | 12pm | 6pm |
| Athens | 68 | 74 | 74 | 63 | 69 | 78 | 77 | 64 | 72 | 82 | 80 | 64 | 74 | 84 | 82 | 65 | 76 | 86 | 84 | 69 | 76 | 82 | 81 | 67 | 71 | 79 | 78 |
| Beckley | 70 | 72 | 69 | 62 | 66 | 70 | 69 | 61 | 65 | 69 | 69 | 59 | 67 | 75 | 73 | 59 | 72 | 79 | 77 | 64 | 74 | 78 | 77 | 65 | 70 | 74 | 73 |
| Bluefield | 70 | 72 | 67 | 61 | 67 | 71 | 71 | 63 | 65 | 68 | 67 | 58 | 65 | 72 | 71 | 60 | 68 | 77 | 76 | 64 | 71 | 78 | 77 | 66 | 69 | 74 | 73 |
| Charleston | 73 | 78 | 76 | 66 | 72 | 77 | 76 | 66 | 71 | 79 | 78 | 65 | 75 | 84 | 82 | 66 | 78 | 87 | 85 | 70 | 79 | 84 | 82 | 70 | 74 | 81 | 80 |
| Clarksburg | 71 | 74 | 74 | 64 | 69 | 76 | 74 | 63 | 71 | 79 | 77 | 62 | 73 | 83 | 81 | 64 | 76 | 85 | 83 | 68 | 77 | 83 | 81 | 68 | 72 | 78 | 77 |
| Clintwood | 70 | 72 | 70 | 61 | 66 | 72 | 71 | 62 | 68 | 73 | 72 | 60 | 70 | 78 | 76 | 61 | 74 | 82 | 80 | 64 | 74 | 80 | 78 | 66 | 71 | 76 | 75 |
| Elkins | 71 | 73 | 71 | 62 | 66 | 72 | 70 | 60 | 67 | 74 | 72 | 57 | 70 | 80 | 77 | 59 | 73 | 83 | 80 | 64 | 76 | 82 | 79 | 65 | 69 | 76 | 74 |
| Grayson | 71 | 74 | 71 | 64 | 69 | 76 | 75 | 65 | 72 | 80 | 79 | 65 | 73 | 82 | 81 | 66 | 77 | 85 | 84 | 70 | 76 | 82 | 81 | 69 | 73 | 79 | 78 |
| Huntington | 73 | 76 | 73 | 65 | 70 | 77 | 77 | 66 | 73 | 82 | 80 | 66 | 75 | 84 | 83 | 67 | 78 | 87 | 86 | 70 | 79 | 84 | 83 | 70 | 74 | 81 | 80 |
| Lewisburg | 68 | 74 | 71 | 62 | 66 | 71 | 70 | 61 | 64 | 68 | 67 | 58 | 67 | 74 | 73 | 59 | 69 | 79 | 78 | 63 | 72 | 82 | 80 | 67 | 70 | 76 | 75 |
| Marlinton | 68 | 72 | 69 | 62 | 64 | 69 | 67 | 61 | 62 | 69 | 67 | 58 | 66 | 75 | 72 | 58 | 71 | 79 | 76 | 62 | 72 | 79 | 76 | 65 | 70 | 75 | 73 |
| Martinsburg | 68 | 73 | 70 | 63 | 61 | 62 | 62 | 59 | 64 | 69 | 69 | 58 | 68 | 76 | 74 | 59 | 71 | 80 | 79 | 63 | 76 | 84 | 81 | 67 | 75 | 81 | 79 |
| Moorefield | 71 | 74 | 70 | 63 | 63 | 66 | 65 | 60 | 62 | 70 | 69 | 55 | 68 | 78 | 76 | 57 | 71 | 84 | 81 | 63 | 75 | 87 | 85 | 67 | 75 | 82 | 80 |
| Morgantown | 70 | 73 | 72 | 64 | 69 | 74 | 73 | 63 | 70 | 76 | 75 | 62 | 73 | 81 | 79 | 64 | 75 | 83 | 81 | 68 | 77 | 81 | 79 | 68 | 71 | 77 | 75 |
| Parkersburg | 68 | 75 | 74 | 65 | 69 | 78 | 77 | 65 | 72 | 81 | 80 | 65 | 73 | 83 | 82 | 66 | 76 | 86 | 84 | 70 | 76 | 82 | 81 | 68 | 72 | 79 | 78 |
| Snowshoe | 58 | 61 | 59 | 56 | 55 | 58 | 58 | 54 | 53 | 59 | 59 | 51 | 57 | 65 | 63 | 52 | 61 | 68 | 67 | 56 | 62 | 68 | 66 | 59 | 58 | 63 | 62 |
| Sutton | 73 | 76 | 74 | 64 | 69 | 76 | 74 | 64 | 70 | 78 | 77 | 62 | 73 | 83 | 80 | 63 | 76 | 85 | 83 | 68 | 78 | 83 | 81 | 68 | 73 | 78 | 77 |
| Wheeling | 67 | 72 | 71 | 64 | 69 | 76 | 75 | 64 | 70 | 78 | 77 | 64 | 73 | 82 | 80 | 66 | 75 | 83 | 82 | 70 | 76 | 81 | 79 | 68 | 71 | 77 | 75 |
| Williamson | 71 | 75 | 71 | 65 | 69 | 74 | 73 | 65 | 69 | 77 | 76 | 64 | 71 | 81 | 79 | 65 | 75 | 85 | 83 | 69 | 76 | 83 | 82 | 69 | 72 | 79 | 78 |



Created: 5 am EDT Fri 5/17/2024 | Values are maximums over the period beginning at the time shown.



Summary of Greatest Impacts

May 17, 2024
10:00 AM

| | Friday, May 17 | Saturday, May 18 | Sunday, May 19 | Monday, May 20 |
|----------------|---------------------|------------------------------|----------------|----------------|
| Flash Flooding | Localized/Statewide | Mostly Mountains/E Panhandle | | |

This outlook depicts timing and magnitude of potential impacts from excessive rainfall which could lead to flash flooding and/or flooding on streams and rivers.

Potential aggravating factors such as pre-existing conditions and time of year are also taken into consideration.

| Risk Levels | No/None | Limited | Elevated | Significant | Extreme |
|-------------|---------|---------|----------|-------------|---------|
|-------------|---------|---------|----------|-------------|---------|



Contact & Next Briefing Information

May 17, 2024
10:00 AM



Briefing Webpage

→ weather.gov/rlx/briefing



Next Briefing

→ By 10 AM Monday, 5/20
→ Method: Google Meet



Disclaimer

→ Information contained in this briefing is time-sensitive
→ Do Not Use After: May 17, 2024



Contact Information

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→ [@NWSCharlestonWV](https://twitter.com/NWSCharlestonWV)



