

## RIVER AND WEATHER CONDITIONS

Prepared for the Pittsburgh Waterways Association Meeting -2/10/2021

National Weather Service Forecast Office, Pittsburgh PA

For the latest river and weather forecasts--<http://www.weather.gov/pittsburgh>

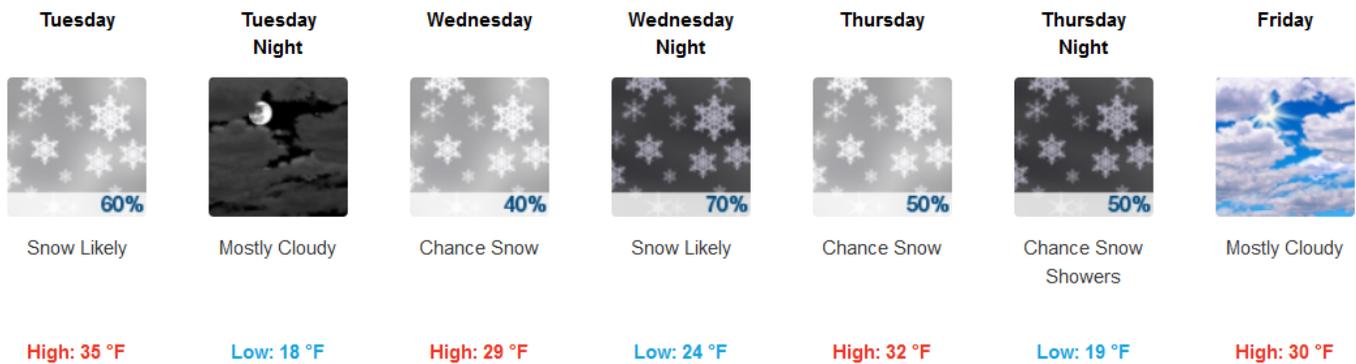
### WEATHER RECAP

Overall, January was slightly above average for temperature and below average for precipitation and snowfall. While January tends to be the month we begin to accrue river ice, very little developed given there were no strong arctic airmasses during the month. That being said, it looks like the next several weeks will be below normal for temperature, allowing for some river ice expansion, especially on the Allegheny.

<i>Location</i>	<i>January 2021 Precipitation</i>	<i>Departure (Inches)</i>
<i>Pittsburgh</i>	2.27	-0.43

<i>Location</i>	<i>Jan Average Temperature</i>	<i>Departure Degrees</i>	<i>Extreme High</i>	<i>Extreme Low</i>
<i>Pittsburgh</i>	30.3	+1.9	49 on Jan 2	8 on Jan 30

### Pittsburgh Forecast:



### OUTLOOK

**This week:** Several fast-moving systems will bring a wintry mix or snow to the region through the end of the week. Models are hinting at a bigger hitting system into the start of next week. Temperatures will remain below normal. Precipitation will be generally less than 1.00 inch.

**Week of Feb 15<sup>th</sup>:** Expect coldest temperatures from arctic air to start the week. Large trough in the middle of the US could bring potential low pressure lifting north from the Gulf – will need to see when/where it develops and potential impacts to upper Ohio Valley.

**Week of Feb 22<sup>nd</sup>:** Cold looks to continue right through the end of the month but some moderation should occur. Precipitation will be near normal.

**Outlook for March:** Temperatures near to slightly above normal with near normal precipitation.

**Spring Outlook:** La Nina projected to remain in place through winter with the potential for it to weaken as we get into the spring. At this time, above average precipitation and temperatures are forecast.

### HIGH WATER POTENTIAL

Streamflow on area rivers is running near or below normal across the region. With the soil moisture levels near or slightly below normal, we will need 2.00-2.50 inches in 12 hours to get streams near bank full.

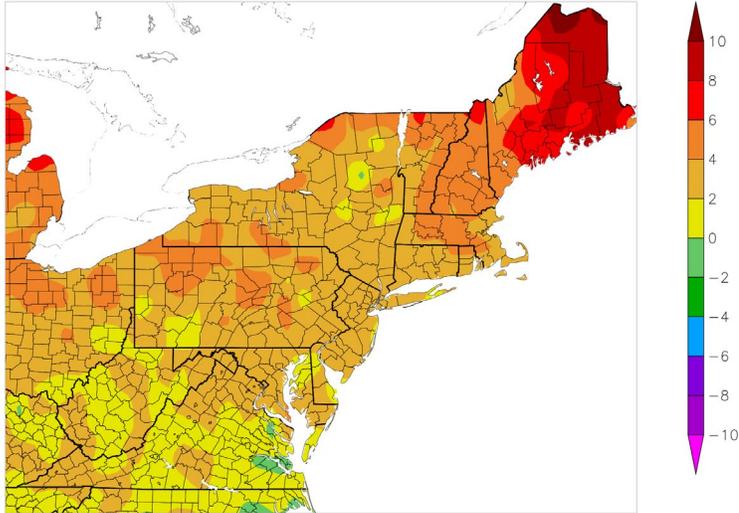
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average monthly precipitation	2.7	2.39	2.95	3.11	3.95	4.3	3.83	3.48	3.11	2.29	3.23	2.85	38.19
Average High Temperature	35.7	39.3	49.2	61.7	70.8	79.1	82.5	81.4	74.3	62.6	51.2	39.4	60.7
Average Low Temperature	21.1	23	30	40.2	49.3	58.4	62.8	61.5	54	42.9	34.7	25.3	42
Average monthly snowfall	11.8	10.3	7.6	1.5	0	0	0	0	0	0.4	2	8.3	41.9

**Average Yearly precipitation Pittsburgh: 38.19 inches. In 2021: 2.71 (-0.60)**

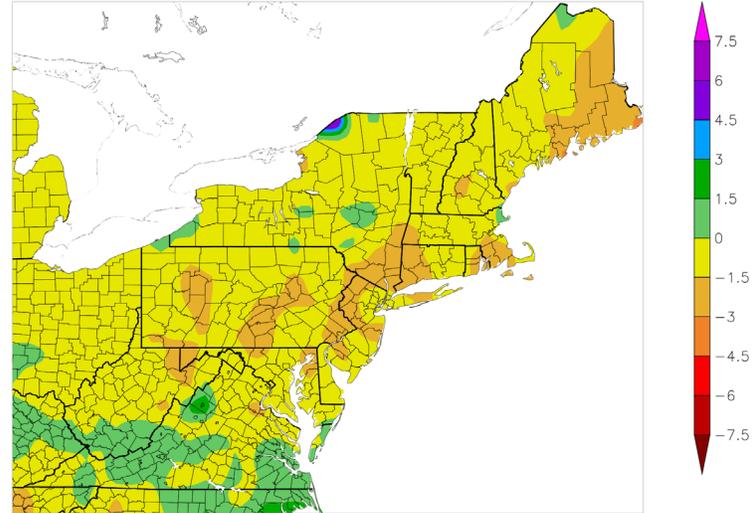
Totals for: **2020: 39.33" (+1.14)**; 2019: 52.46" (+14.27); 2018: 57.83" (+19.64); 2017: 42.15"; 2016: 35.01"; 2015: 40.56"; 2014: 36.84"; 2013: 36.65"; 2012: 41.74"

**Average Yearly snowfall Pittsburgh: 41.9 inches. 2020-21: 44.0" (+19.2)**; 2019-20: 21.7" (-19.6); 2018-19: 36.6" (-5.3); 2017-18: 59.8" (+17.9); 2016-17: 32.0" (-9.2), 2015-16: 29.6" (-12.3) 2014-15: 47.2"; 2013-14: 63.4"; 2012-13: 57"; 2011-12: 37"; 2010-11: 57"; 2009-10: 77"

Departure from Normal Temperature (F)  
1/1/2021 - 1/31/2021



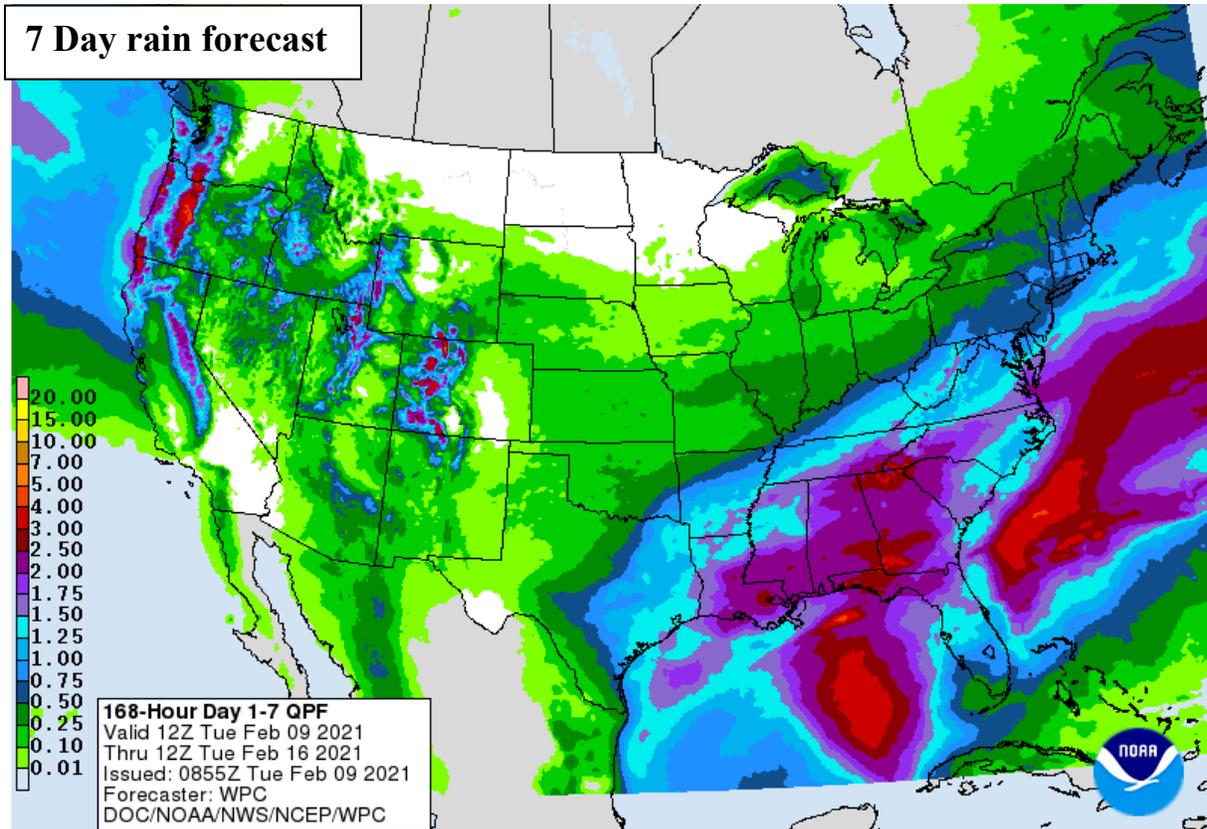
Departure from Normal Precipitation (in)  
1/1/2021 - 1/31/2021



Generated 2/6/2021 at HPRCC using provisional data.

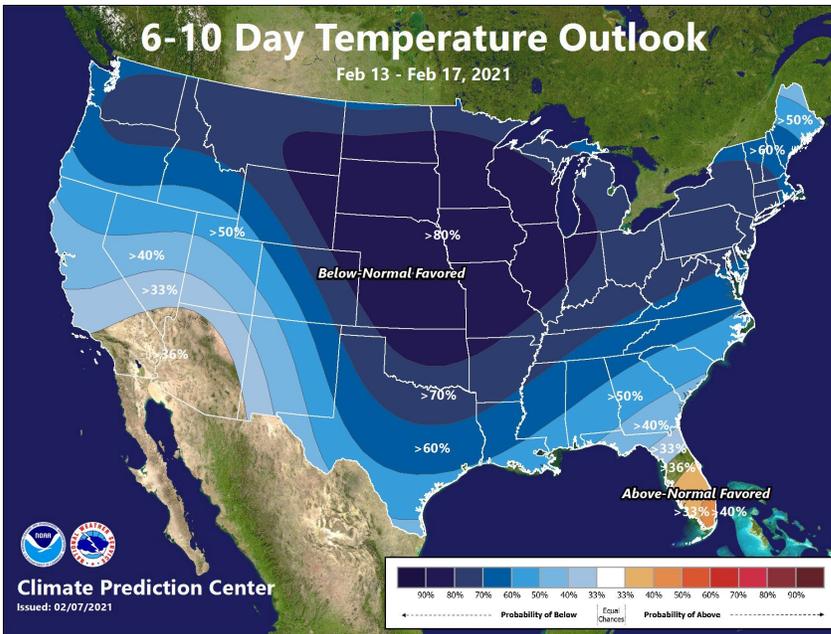
NOAA Regional Climate Centers 2/6/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers



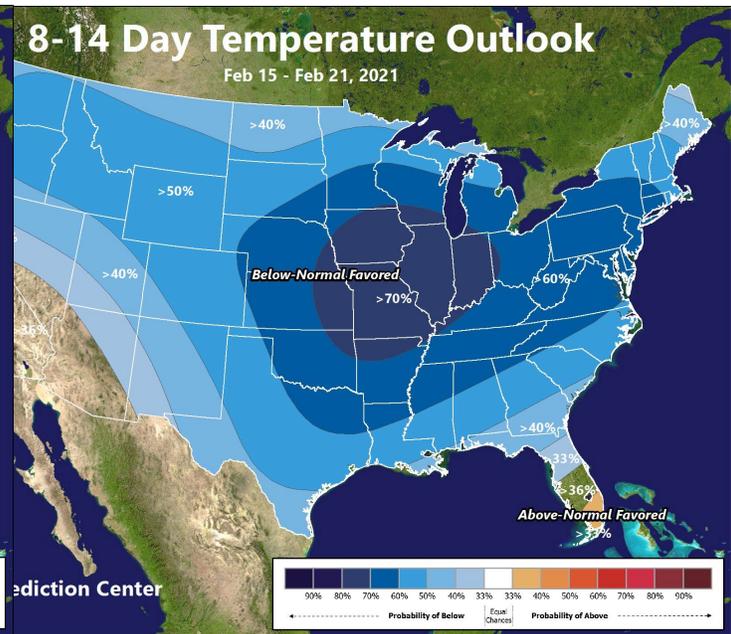
# 6-10 Day Temperature Outlook

Feb 13 - Feb 17, 2021



# 8-14 Day Temperature Outlook

Feb 15 - Feb 21, 2021



As we prep for the cold temperatures, I just wanted to remind everyone that you can send river ice photos to [nws.er.pbz.icereports@noaa.gov](mailto:nws.er.pbz.icereports@noaa.gov). Please try as best you can to describe your location in the photo (what mile-marker of the river, upstream or downstream, etc).