



## Drought Update

July 15, 2022

### Summary

- As a result of a low snowpack, early spring melt and below normal precipitation over the past few months, "moderate drought" has emerged across the state and "severe drought" has developed along the state's border with Massachusetts.
- Over the past 30-days, the majority of the state received 25% to 50% of normal precipitation, intensifying already dry conditions and resulting in rapid development of drought.
- Stream levels are low across the state and very low stream flows are apparent in the northeast section of the state.
- The state's groundwater level monitoring network indicates a mix of groundwater levels. Of note is a unified trend of low groundwater levels along the Connecticut Valley.
- The precipitation outlooks for July and over the next three months do not provide a strong indicator that the precipitation needed to relieve drought conditions will be received. Temperature outlooks lean toward above normal temperatures, which can exacerbate drought conditions.

### The Message

- The public, community water systems, and municipalities should begin practicing conservation. Limit outdoor watering and irrigation to before 7am and after 8pm and to even and odd days. Community water systems, as well as municipalities implementing lawn watering restrictions within town boundaries pursuant to [RSA 41:11-d](#), should report restrictions using the online [Restriction Reporting Form](#).

### Drought Conditions



#### [U.S. Drought Monitor](#)

This week's drought monitor indicates the following:

- 96.59% of the state is experiencing "moderate drought".
- 3.41% of the state is experiencing "severe drought".



***Intensity:***

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

## Hydrological Conditions

[June NH Geological Survey Monthly Groundwater Level Report](#)

# June 2022 Groundwater Levels and June Percent of Normal Precipitation



Counties

### Well Type

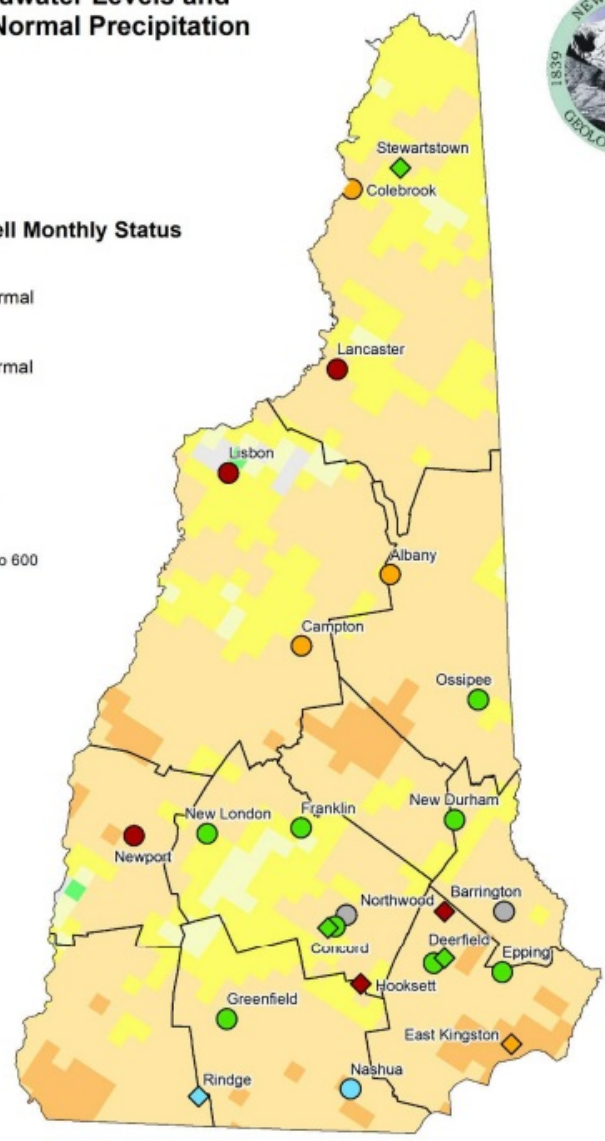
- Overburden
- ◇ Bedrock

### Percentile Class, Well Monthly Status

- >90, High
- 76 - 90, Above Normal
- 25 - 75, Normal
- 10 - 24, Below Normal
- <10, Low
- Not Analyzed

### June 2022 Percent of Normal Precipitation

- Greater than or equal to 600
- 400 to 600
- 300 to 400
- 200 to 300
- 150 to 200
- 125 to 150
- 110 to 125
- 100 to 110
- 90 to 100
- 75 to 90
- 50 to 75
- 25 to 50
- 10 to 25
- 5 to 10
- 0 to 5
- Missing Data



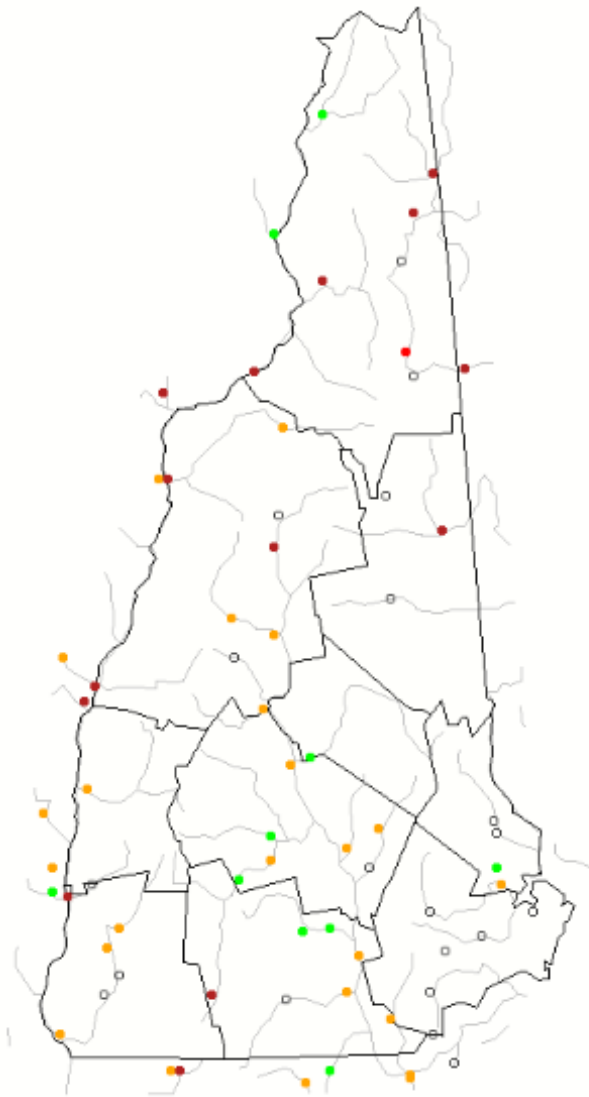
Percent of Normal Precipitation data retrieved from:  
 National Weather Service - Advanced Hydrologic Prediction Service  
<https://water.weather.gov/precip/download.php>

[USGS Streamflows](#)

# Map of 28-day average streamflow compared to historical streamflow for the day of the year (New Hampshire)

New Hampshire ▼ or Water-Resources Regions ▼

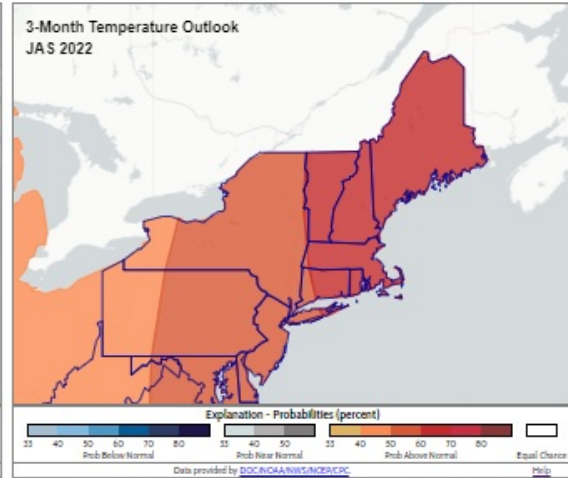
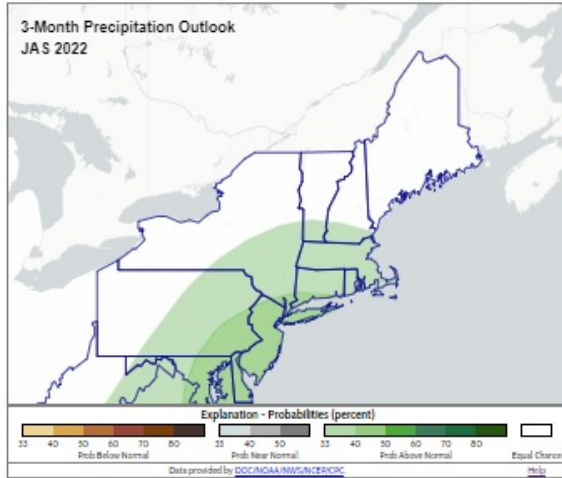
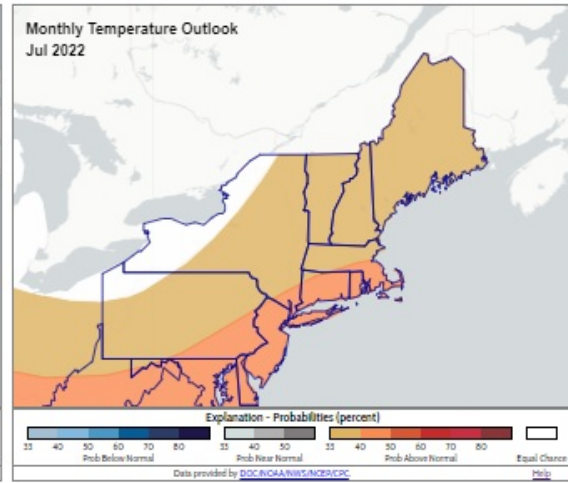
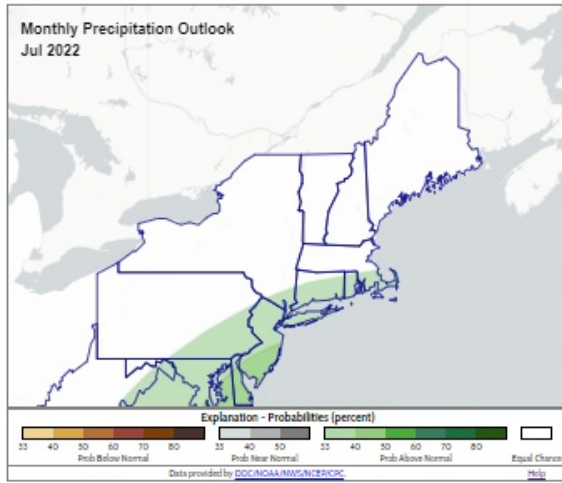
Wednesday, July 13, 2022



Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

## Forecasts and Outlooks

### [Precipitation and Temperature Outlooks](#)



## Additional Resources

Regional Forecast - [National Weather Service Forecast Discussion](#)  
 Precipitation and Temperature Outlooks - [NWS Climate Prediction Center](#)

Visit the [NHDES Drought Management Webpage](#)