

Droughts and Downpours: Managing for Extremes

**Upper Valley Adaptation Workgroup
October 30, 2018**

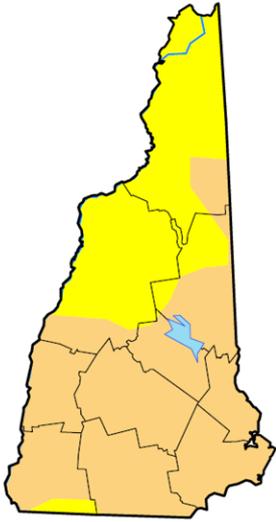
**Meghan Butts – Upper Valley Lake Sunapee Regional Planning
Commission**

Kevin Geiger – Two Rivers Ottauquechee Regional Commission

Sherry Godlewski – NH Department of Environmental Services

U.S. Drought Monitor
New Hampshire

July 17, 2018
(Released Thursday, Jul. 19, 2018)
Valid 8 a.m. EDT



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

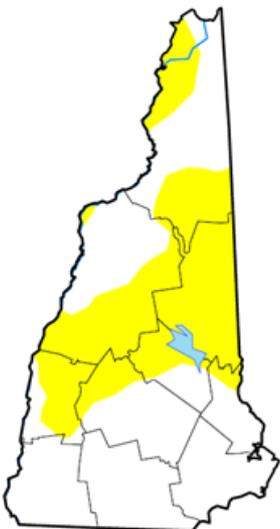
Author:
Curtis Riganti
National Drought Mitigation Center



<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor
New Hampshire

August 28, 2018
(Released Thursday, Aug. 30, 2018)
Valid 8 a.m. EDT



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

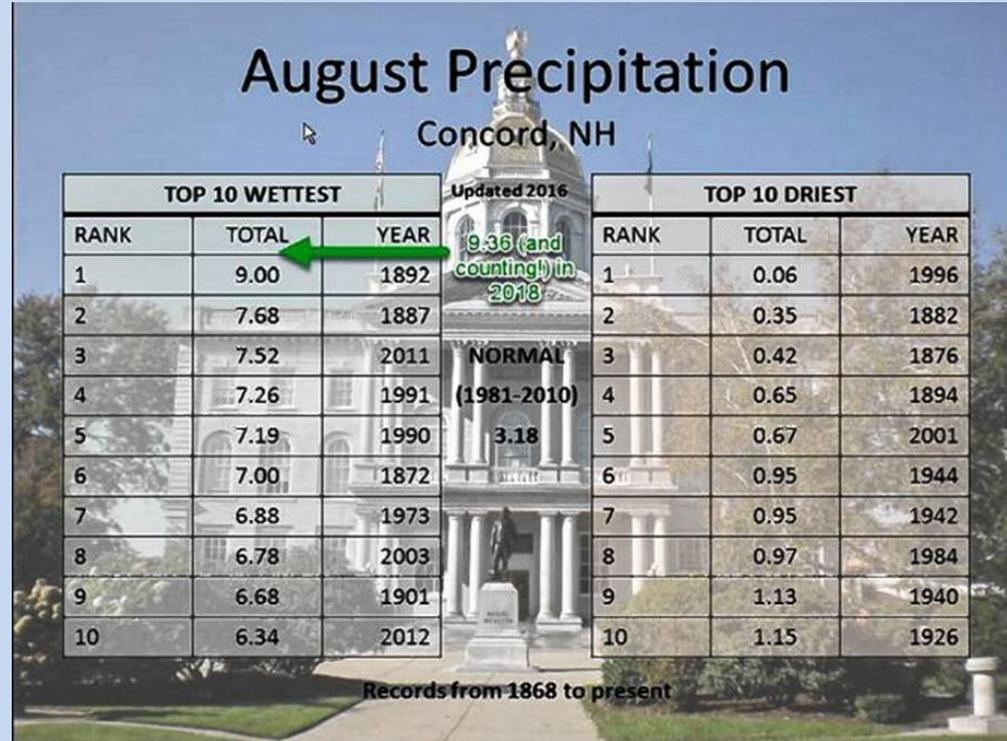
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Jessica Blunden
NCEI/NOAA



<http://droughtmonitor.unl.edu/>

Drought and Downpours



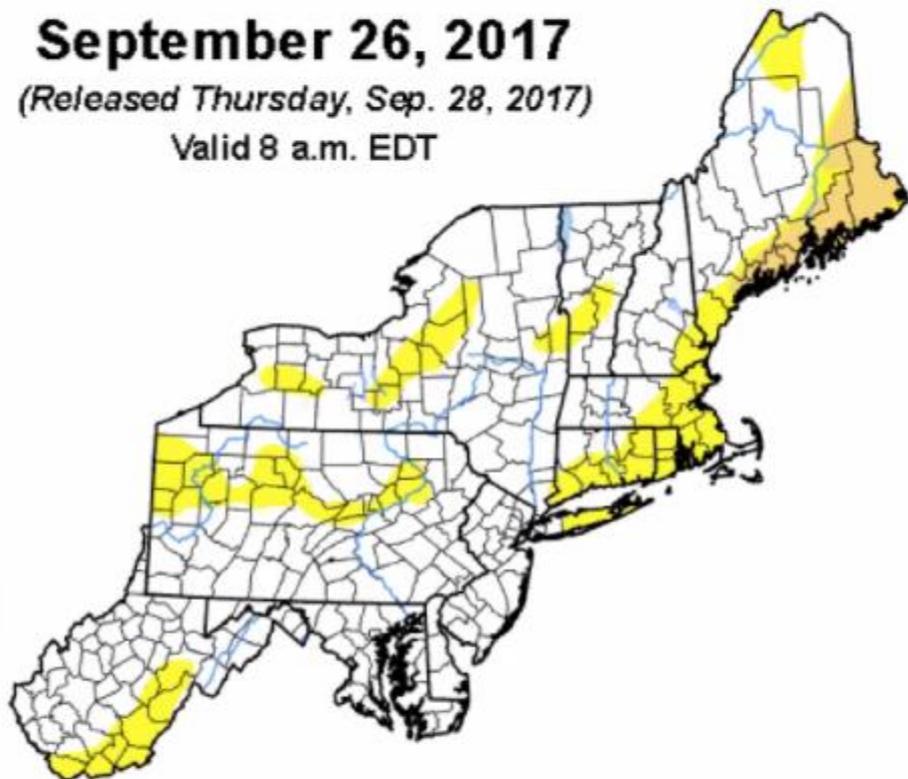
2018 wettest August on record,
10.6 inches in Concord
the average is 4.2 inches

Drought Monitor

September 26, 2017

(Released Thursday, Sep. 28, 2017)

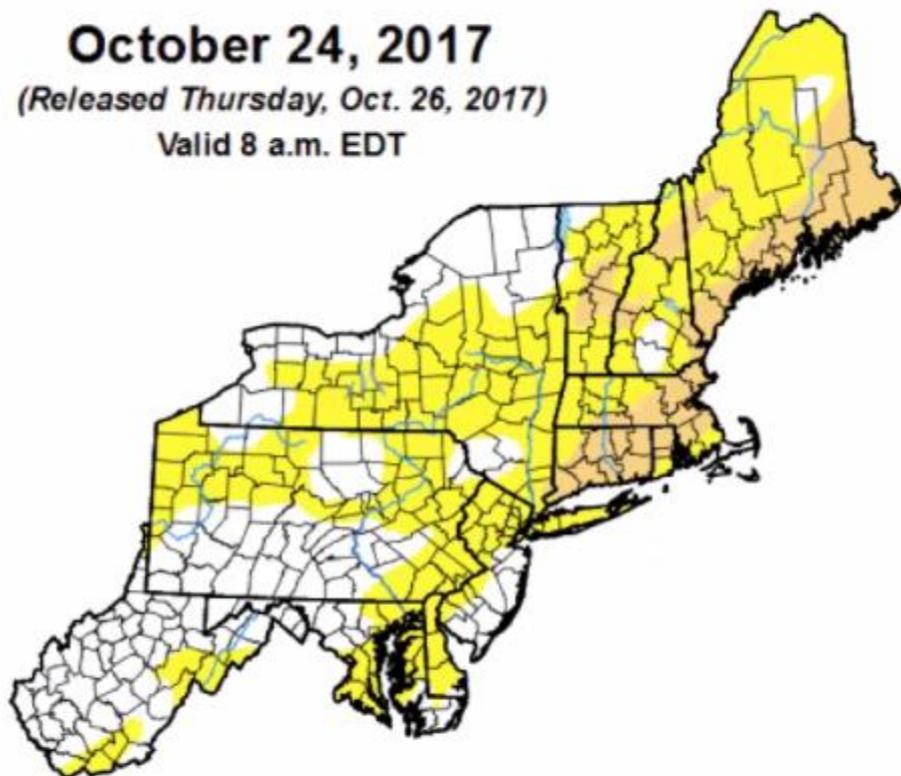
Valid 8 a.m. EDT



October 24, 2017

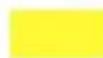
(Released Thursday, Oct. 26, 2017)

Valid 8 a.m. EDT



18% abnormally dry
4% in moderate drought

Intensity:

-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought

51% abnormally dry
12% in moderate drought

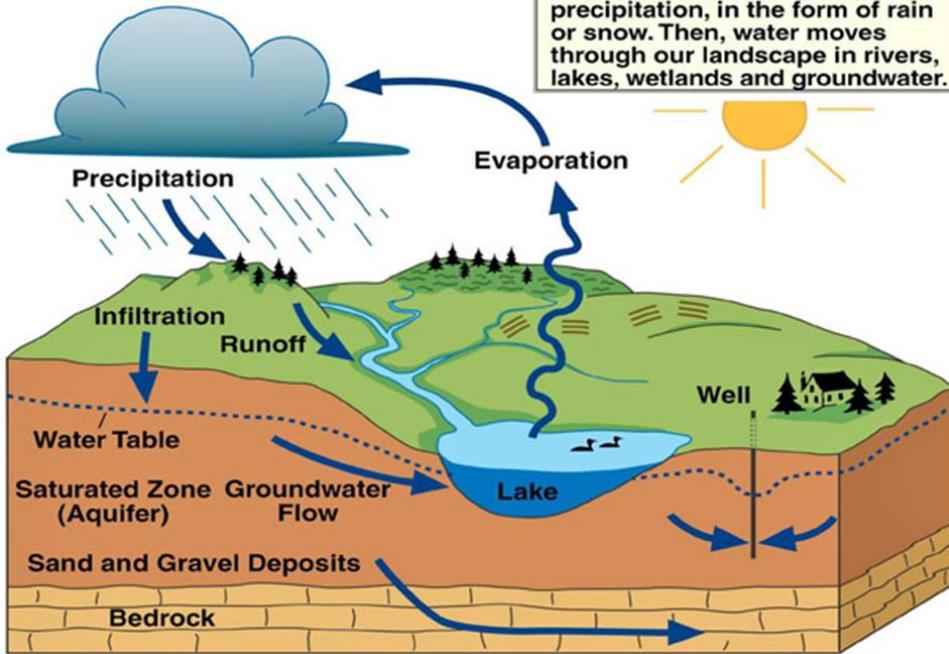
NH October 29 Storm

At its peak, this storm caused fourth-largest storm-related power outage in NH history



The Hydrologic Cycle...

Water comes to us by way of precipitation, in the form of rain or snow. Then, water moves through our landscape in rivers, lakes, wetlands and groundwater.



Private Wells

VT 70%

NH 46%

Sources of Drinking Water

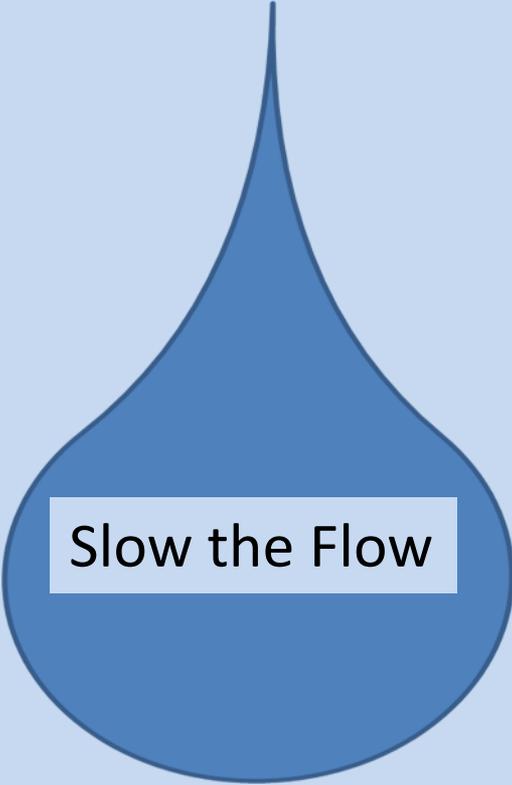
Ground water:

- Shallow wells
- Deep wells

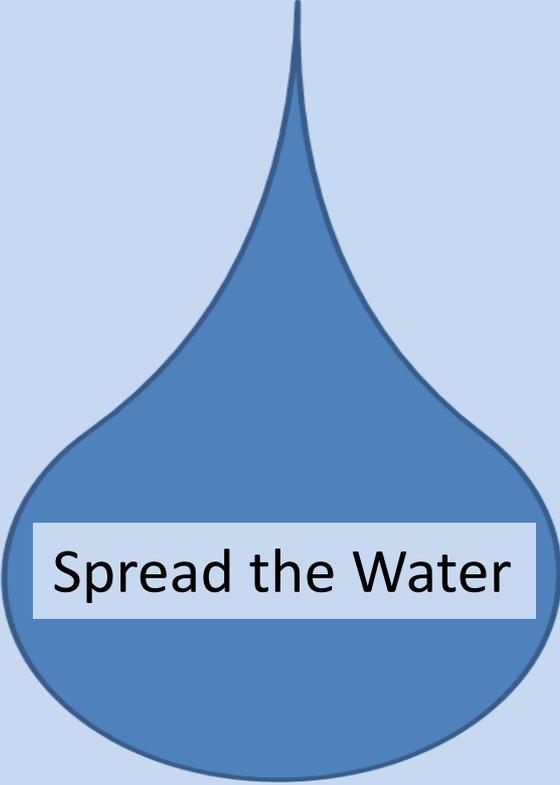
Surface water:

- Rivers
- Lakes
- Reservoirs

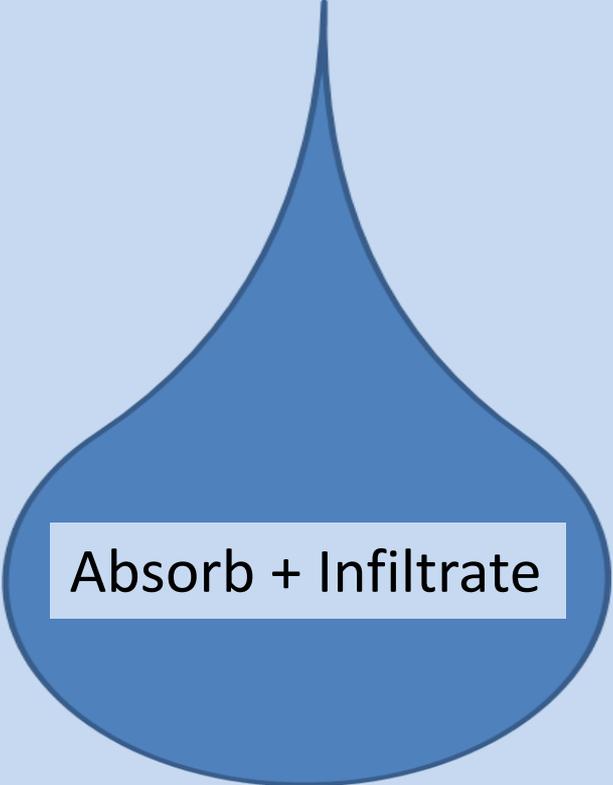
Preparing for Downpours Can Also Help to Prepare for Drought



Slow the Flow



Spread the Water

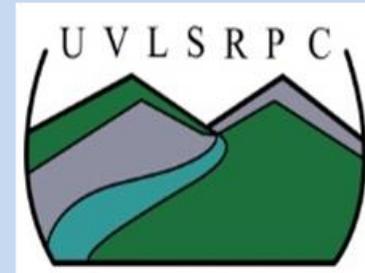


Absorb + Infiltrate

Municipal Examples

Meghan Butts

**Upper Valley Lake Sunapee
Regional Planning Commission**



Kevin Geiger

**Two Rivers Ottauquechee
Regional Commission**

