

NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) Boston/Norton MA
		REPORT FOR: MONTH YEAR April 2022
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		SIGNATURE Robert W. Megnia Meteorologist
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		DATE May 4th 2022

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

An X inside this box indicates that no flooding occurred within this hydrologic service area.

April 2022 precipitation was near to above normal across interior MA and portions of southeastern MA. These areas saw 4 to 5+ inches of new rainfall which was 0 to 1+ inches above normal. RI and the large majority of eastern MA including The Cape and Islands only saw 2 to 4 inches of new rainfall which was 0 to 2 inches below normal.

Temperatures were close to normal across most of interior MA, CT, and RI. Portions of southeastern MA average temperatures were 1 to 3 degrees above normal.

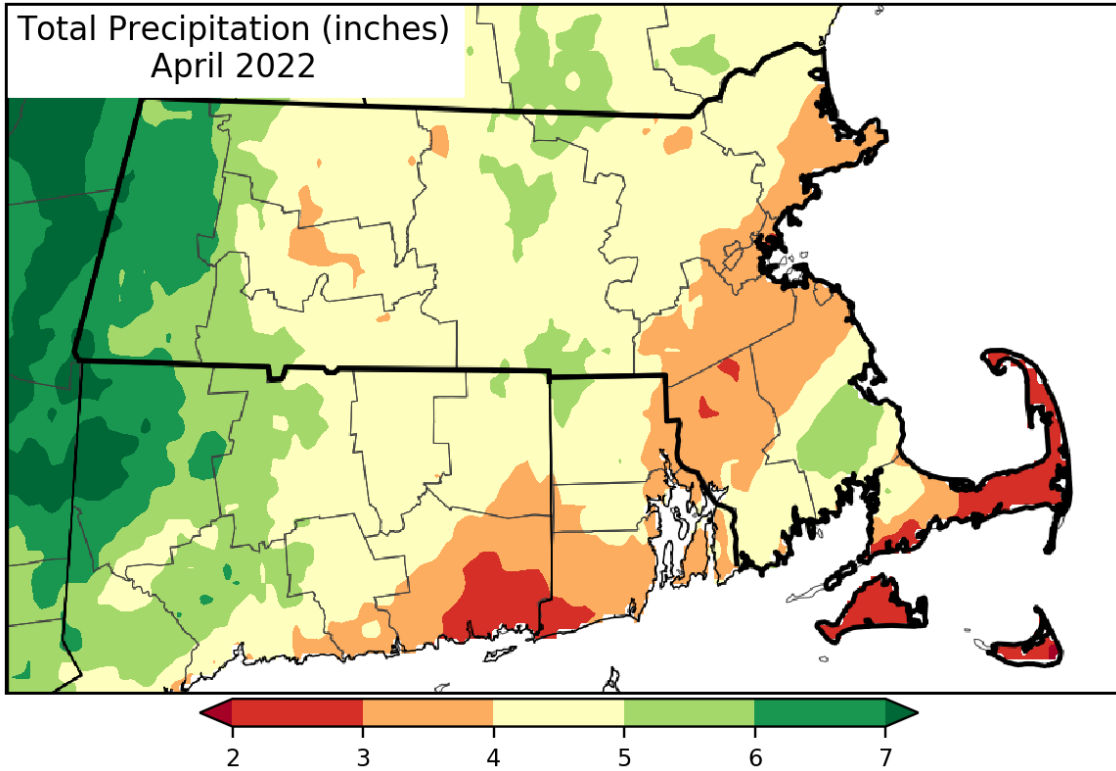
No freshwater flooding occurred within NWS Boston/Norton's Hydrologic Service Area. More details for major climate sites in southern New England are included in Table 1. In addition to precipitation details, temperature departure from normal is also provided.

<i>Location</i>	<i>April Precipitation (Inches)</i>	<i>Precipitation Departure from Normal (Inches)</i>	<i>Snowfall (Inches)</i>	<i>Temperature Departure from Normal (Degrees F)</i>
<i>Boston</i>	2.32	-1.31	T	+1.5
<i>Worcester</i>	3.91	-0.17	T	+0.7
<i>Providence</i>	3.57	-0.72	0	+1.2
<i>Hartford</i>	5.22	1.34	T	+0.4

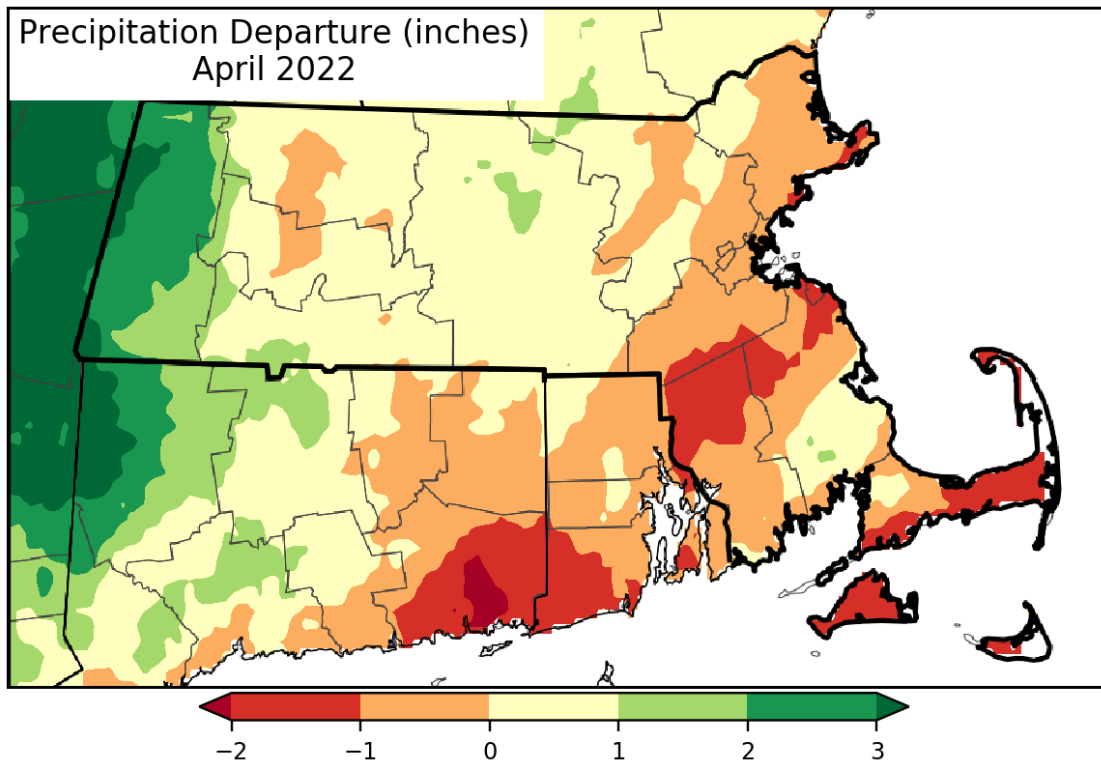
Table 1. April 2022 precipitation and departure from normal, snowfall, and temperature departure from normal. Details are for major climate sites within southern New England. Information is preliminary.

Streamflow and Groundwater

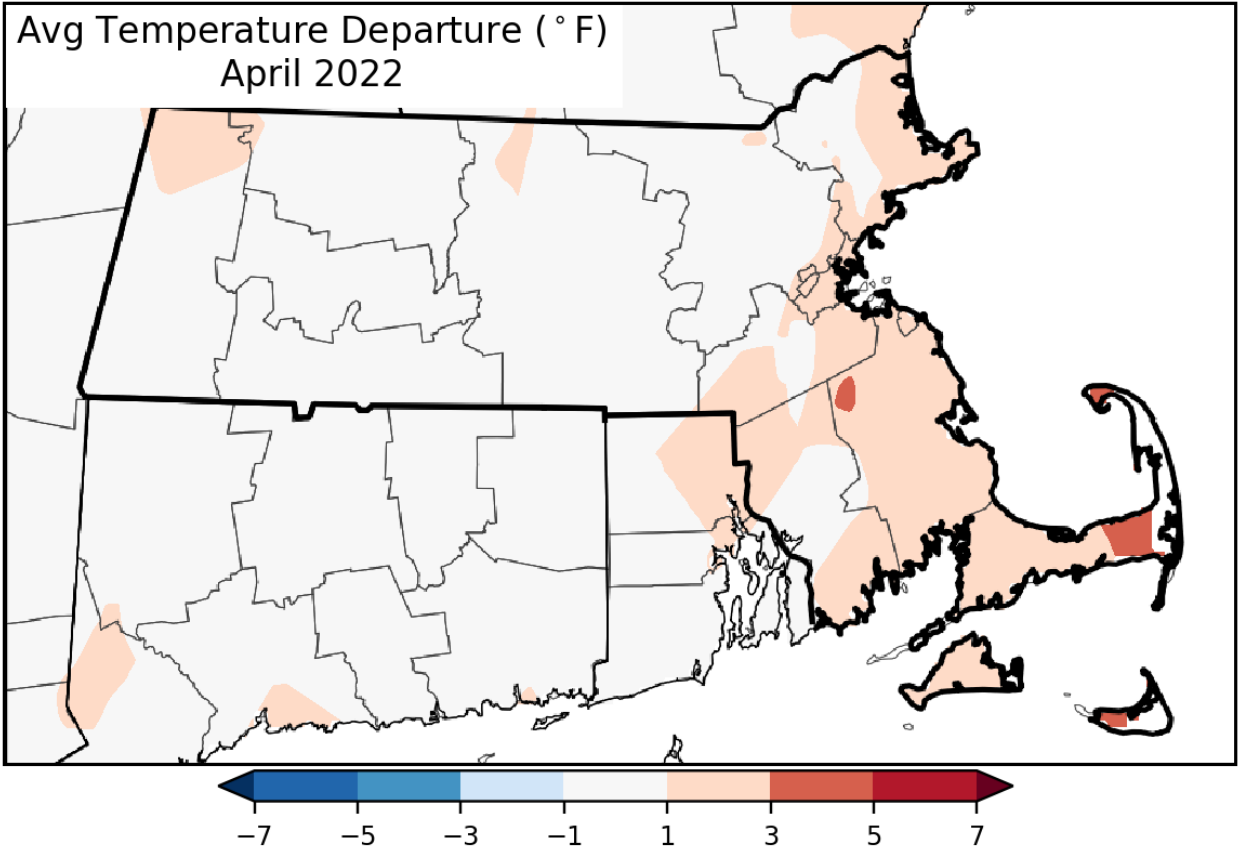
About two thirds of USGS stream gages were running near normal while about 20 percent of gages were either running below normal or much below normal for April. Groundwater level were near normal at most stations (22) for this time of year with only 5 stations reporting below normal groundwater levels.



Map 1: April 2022 liquid equivalent precipitation for southern New England. From the Northeast Regional Climate Center.



Map 2. April 2022 precipitation departure from normal for southern New England. From the Northeast Regional Climate Center.



Map 3. Average temperature departure from normal across southern New England for April 2022.
From the Northeast Regional Climate Center.