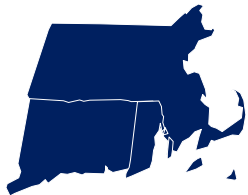
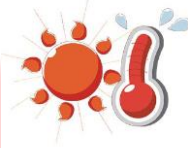


Community Collaborative Rain, Hail & Snow Network



Southern



New England

August 2020

The hottest month of the year, the hottest July in many years, left us short of precipitation in many parts of our locale. Rain did not fall the same on all in July with station totals over 7" and station totals less than 1".

Tropical Storm Isaias started in late July and caused a few days delay in sending out this newsletter, waiting for internet services to return here in western Connecticut.

Joe has a feature article about our early August tropical storm, and I included some lessons learned from this recent experience. We still have months to go in this tropical storm season.

More record reporting from you during July. We are nearing 12,000 Daily Reports where we were breaking 10,000 Daily Reports last year in July. We continue to grow in observers and in a variety of dimensions of reporting. More reports of every kind. Now, we have a new mapping tool to see those reports.

A short list of observers on the Grand List. And a long list of observers for precip reporting and our Rulers of the Snow segment.

Let's get into it.

The “Grand” List

Congratulations to all of these observers from our three states who have recently passed a milestone of 1000 Daily Reports.

4000 Daily Reports

CT-FR-9 Brookfield 3.3 SSE

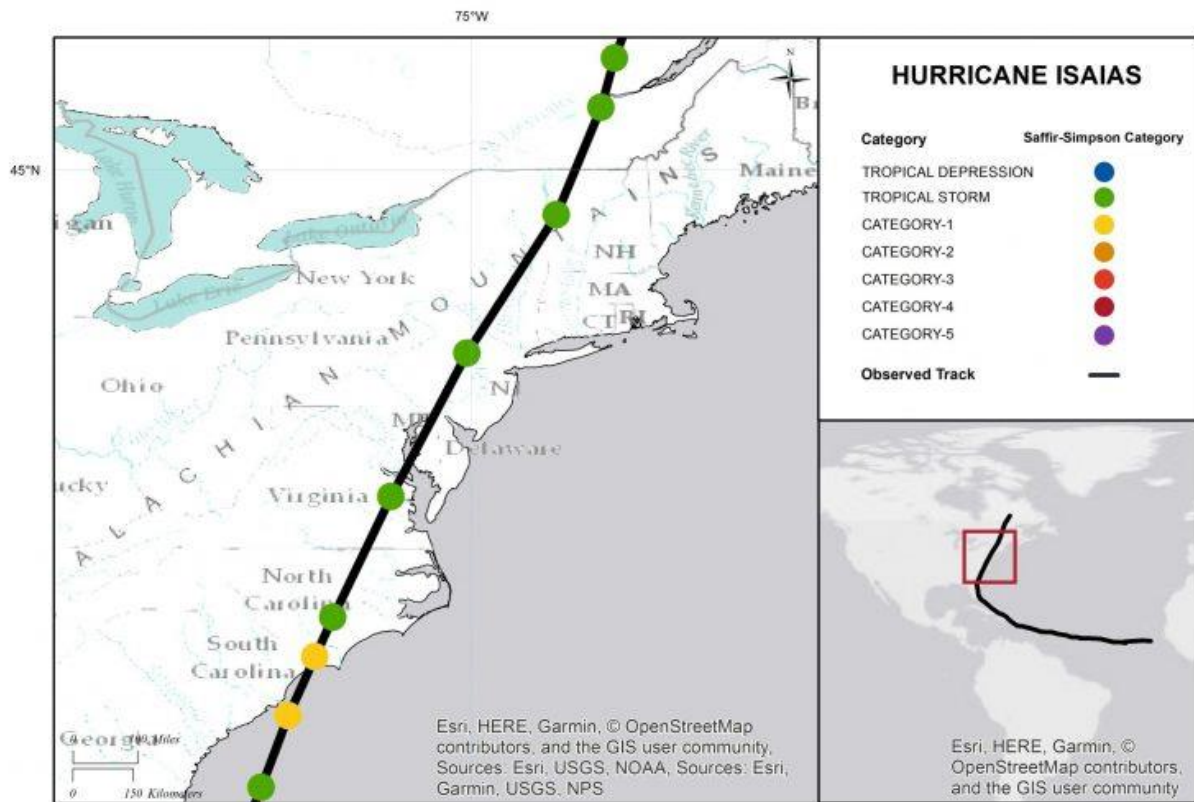
1000 Daily Reports

MA-MD-80 Lincoln 1.5 SW
NY-SF-114 Fishers Island 0.5 NE

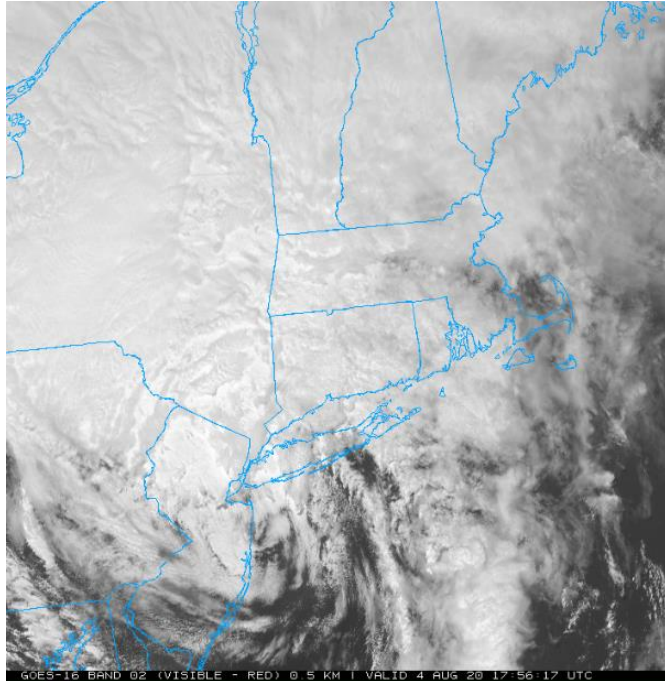
Tropical Storm Isaias

Joe DelliCarpini – Science & Operations Officer, NWS Boston/Norton MA

Tropical Storm Isaias (pronounced ees-ah-EE-ahs) was a quick moving storm, traveling at speeds of 35 to 40 mph as it moved northward through New Jersey and eastern New York. In southern New England, the storm's primary impacts were widespread strong wind gusts of 45 to 55 mph and localized gusts as high as 60 mph. This resulted in widespread power outages, especially in Connecticut and western Massachusetts, where many communities had more than 80 percent of utility customers out of power.



TRACK OF HURRICANE/TROPICAL STORM ISAIAS (USGS)



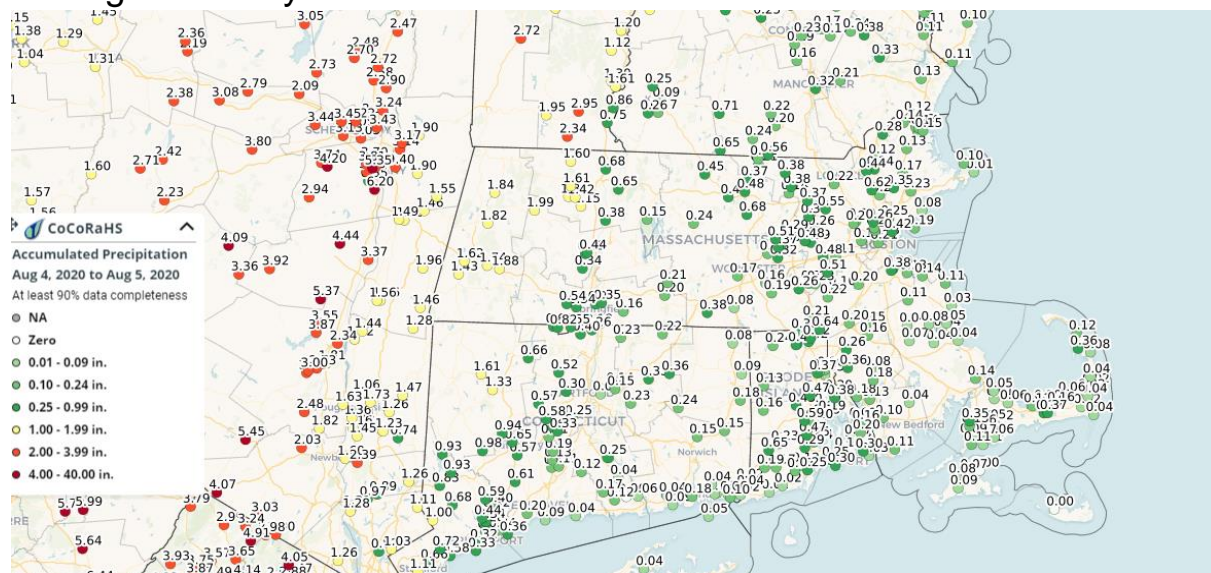
SATELLITE PHOTO OF TROPICAL STORM ISAIAS

The heaviest rain fell to the west of Isaias' track, across eastern Pennsylvania and central New York, which is common with tropical systems in New England. In our area, the heaviest rainfall was restricted to the Berkshires and northwest Connecticut where amounts of 1.50" to just over 2" occurred. No flooding was observed.

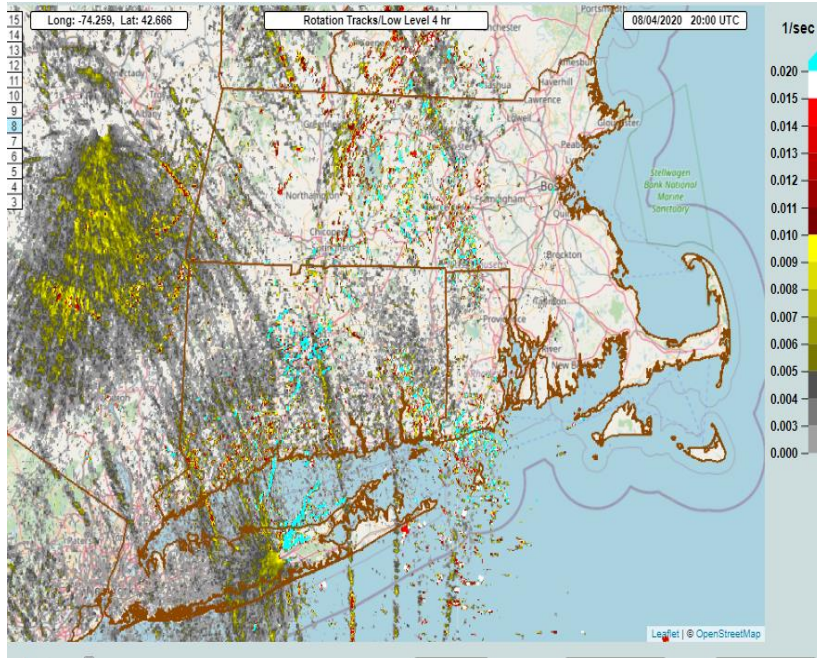
Peak storm surge values along the south coastal areas were generally 1 to 2.5 feet, with the highest values noted in the upper portion of Narragansett Bay.

However, the peak surge from

the storm occurred several hours before astronomical high tide, so no coastal flooding occurred. Had it occurred just a few hours later, widespread minor flooding would have affected much of south coastal Rhode Island and Massachusetts, including the communities around Narragansett Bay.



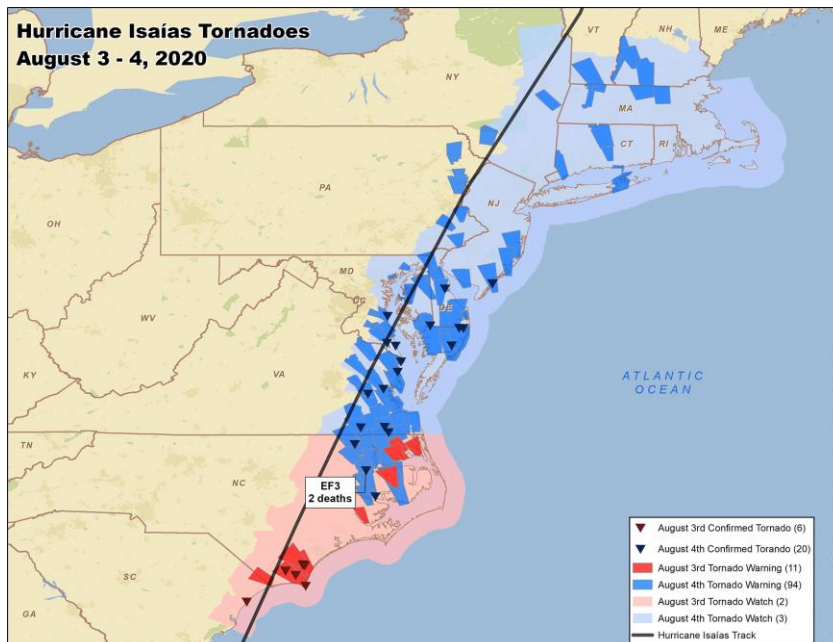
CoCoRaHS RAINFALL REPORTS FROM AUGUST 5 FROM OUR NEW MAPPING TOOL



RADAR ROTATION TRACKS ASSOCIATED WITH RAIN BANDS

Several cells within Isaias' rain bands showed strong rotation and exhibited the potential for short-lived tornadoes. In the image below, you can see the rotation tracks associated with the rain bands. The strongest tracks moved through parts of Connecticut and central Massachusetts, where Tornado Warnings were issued. One tornado (EF-1) was

confirmed in Westport, CT when a waterspout moved onshore from Long Island Sound. It caused significant damage to a home and downed several trees. These rotation tracks can also be used after an event to determine which locations may have seen damage and can be helpful to narrow the search area for damage surveys.



TORNADO WATCHES AND WARNINGS FROM ISAIAS (@USTORNADOES)

News Items

New Maps: On Saturday August 1st, the web site has been changed. Instead of the point and click, one state, one county at a time, mapping tool that has been on the website for as long as we can remember, an entirely new interactive mapping tool is now available for all to use.

<https://maps.cocorahs.org>

There is a [5-minute video](#) as well as a [document](#) to view.

More than just a precipitation map that spans over states and countries, this tool can be used to view snow fall and snow depth as well as Significant Weather Reports and Hail Reports too.

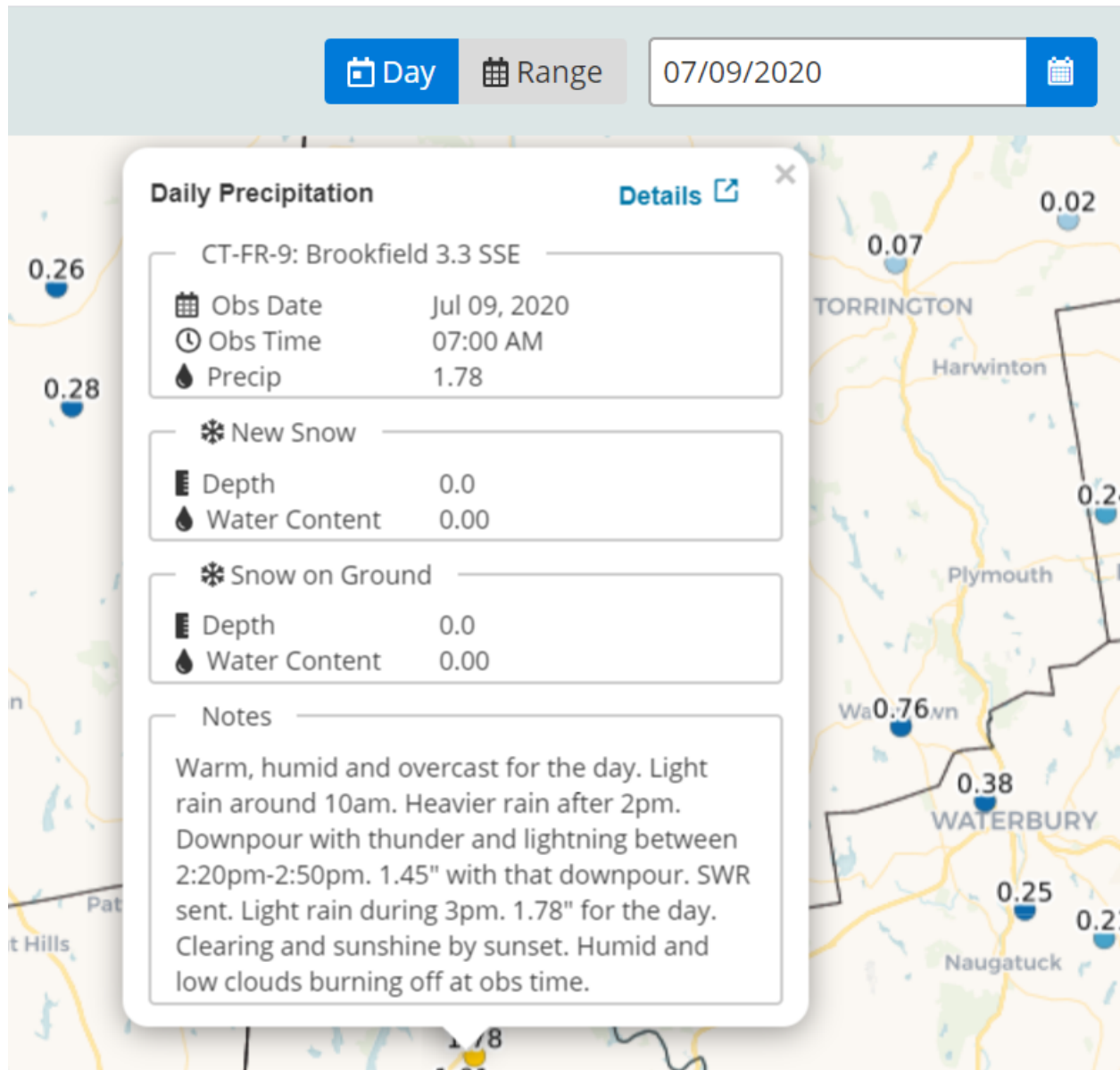
There is a 45-day limit to the range of dates you can select.

Many of the aspects that we emphasize throughout the year, become more visible with the new mapping tool. Aspects such as

- Reporting! Reporting zeros!
- Not missing many or any days! When a range of dates is selected, the stations that are selected for the map are those that have not missed any more than 10% of the days within the range.
- Typing a Comment, especially one that verifies or clarifies your report of precipitation.
- Reporting snow fall and snow depth.

Click on a dot of Daily Precipitation and see not only the reported values but read the Comment as well. Click on “Details” and you are taken to the report as it would appear under “View Precipitation Reports”

On the next page, let’s take a look at one report from last month.



Station ID. Values are grouped in blocks. Symbols to go with the labels. And the Comment is there to read.

This is the new interactive map.

mPING app for Apple and Android: Because of malicious activity that took place in early July, mPING has been suspended. Article [link here](#).

For those that are looking for more functions to be added to our mobile reporting app, such as Significant Weather Reports and Hail Reports, give this bad experience with mPING some thought as to what can happen to the GPS coordinates of a mobile device.

Website Migration: This past Friday night, August 7, there were a few hours of downtime as our website migrated to the Microsoft Azure platform. As we moved 20+ years of databases and links and interfaces, you may experience downtime or error messages never seen before. If you do, please be patient, maybe come back at another time. Write down what you want to enter. You can ask a Coordinator to enter a report for you, or to ask the staff at Headquarters to look into your problem further.

A station ID sent from you is helpful to recall who and where you are.

Thanks for your understanding in this large undertaking for our network, as we continue to grow and find new ways to operate a growing network.

Single Month Records: Like a broken record, we keep breaking our area's single month records. Congratulations to all!!

- ✓ Reporting Observers: 445
- ✓ Daily Reports per day: 385
- ✓ Single day record of 419 reports on July 11th
- ✓ Single month reporting records for Connecticut and Rhode Island.
- ✓ Condition Monitoring Reports: 113
- ✓ "Rulers of the Snow" Stations: 82

And leading the entire network with:

- ✓ The highest % of snow depth reports.

Observer Tips

Significant Weather Reports: Keep our reporting criteria in mind, as we can alert our area NWS Forecast Offices in real time with what is occurring, as you saw in the previous page. Reporting criteria are

- **1" or more of rain in 1 hour or less.**
- **2" or more of rain.** We had 21 reports of 2" or more rain in July. We are asking for Significant Weather Reports when that occurs.
- **Flooding.**
- **Anything you feel is significant.**

Hurricane Preparedness:

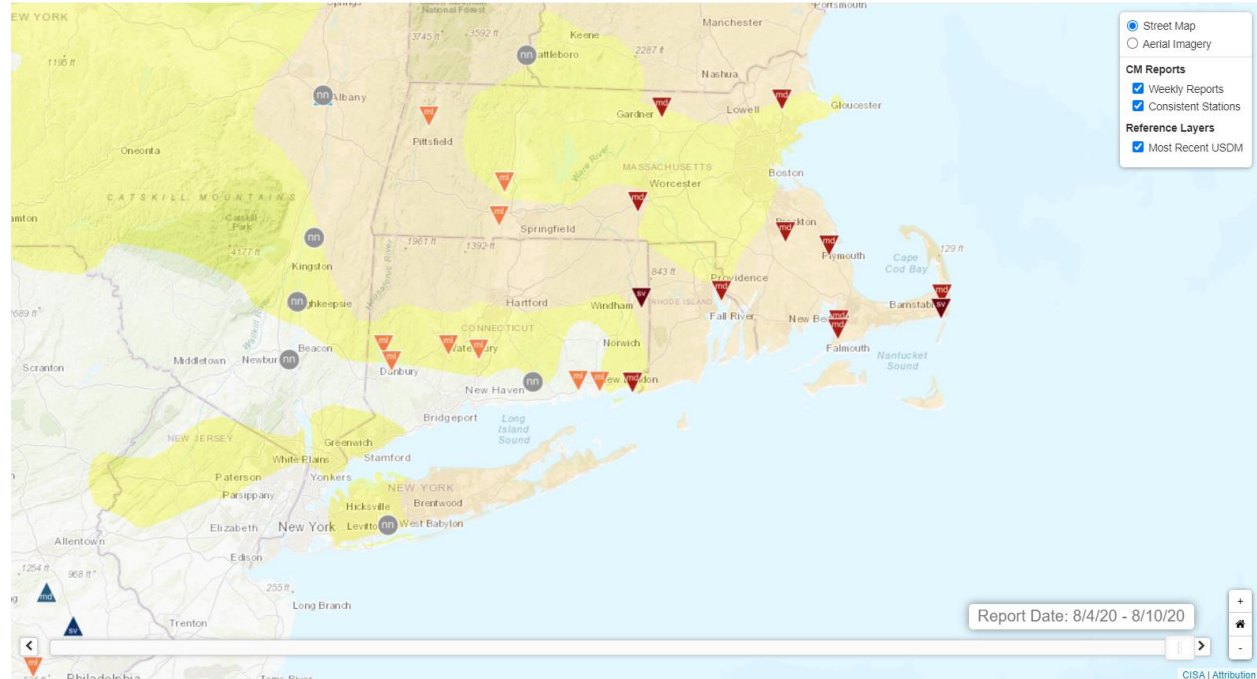
Now that Isaias has departed, and we have not yet reached the midpoint of the tropical season, a few pearls of recent wisdom about tropical systems.

- If the storm is in The Bahamas, it's your business! Storms located in The Bahamas are in a prime launching point to our locale.
- Get food and fuel ahead of the storm arrival, like you would ahead of a winter storm. Not because of shortages of food and fuel that follow the storm, but because of shortages of locations with working electricity. Gas lines bring back memories of Years 1973 and 1979.
- Make sure you charge your cell phone and other devices before the storm hits!
- We are not as clear cut of trees as we were 50-100 years ago. Be prepared to be without electricity for days to a week or longer.
- Services such as cable TV, internet, cell phone and voice over internet, may work after the storm passes for about 12-24 hours, until its battery backup runs out.
- If you are not located on the wind-side of the storm (east of the center), you will probably be on the rain-side of the storm (west of the center). Be prepared for flooding.

Every locale is different, but not immune from the impacts of wind, rising coastal waters, and flooding inland rains. [Be prepared.](#) [Stay informed](#) and on a [mobile device](#).

Condition Monitoring Reports: Tropical Storms and thunderstorms come and go. What are the conditions where you are?

One report a week is all that we seek. Develop a reputation of being a Consistent Station by submitting over 20 reports in a 52-week timeframe.



na Naugatuck 1.7 NNE
2020-08-10T00:00:00Z

Patches of brown grass Lot of honey and bumble bees around, tomatoes in the garden are ripening quickly

CT-NH-45 -- Agriculture, Plants And Wildlife

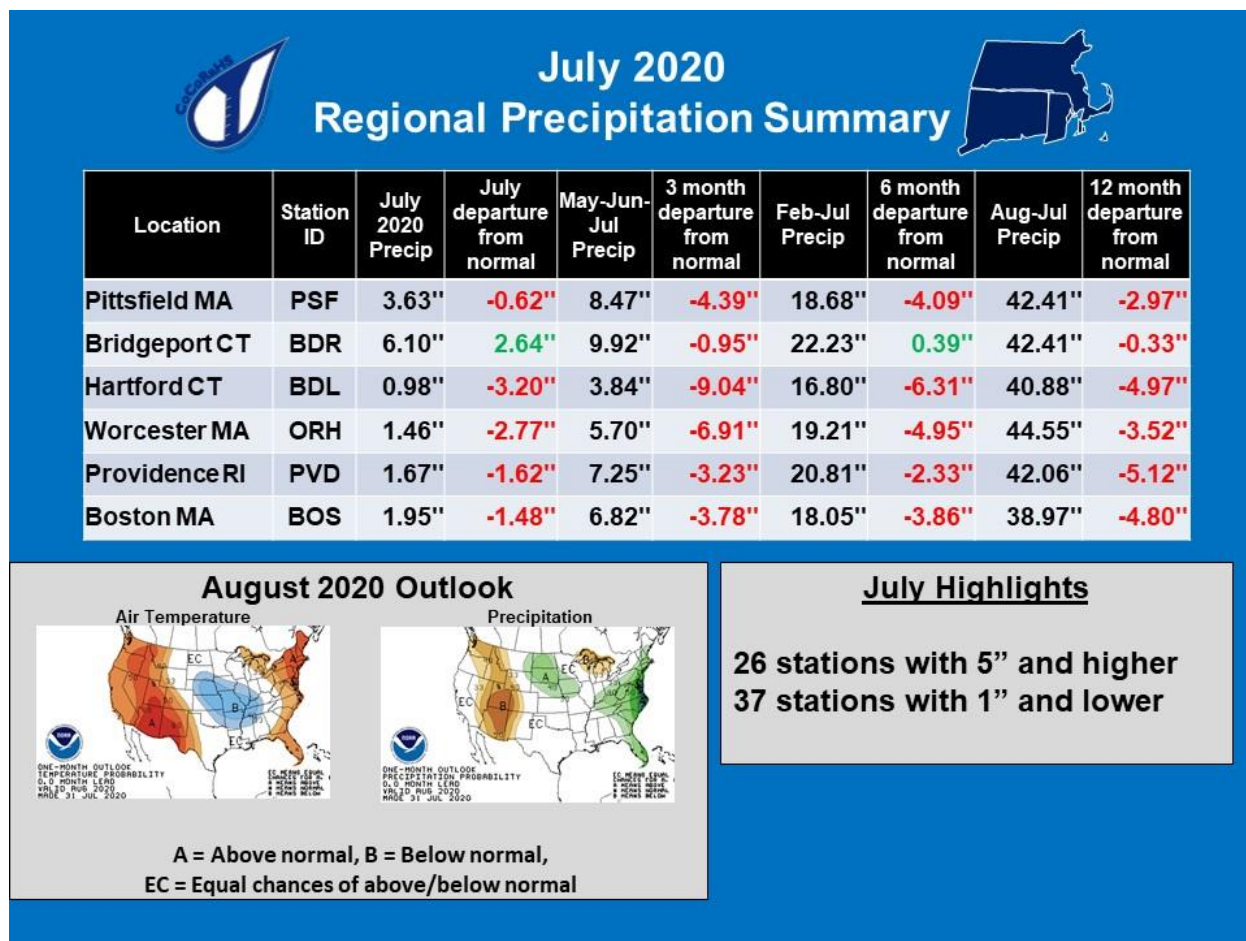
nd East Bridgewater 0.3 WSW
2020-08-09T00:00:00Z

Basically no rain from the tropical storm here, only 0.04". Grass that isn't watered is all but dead now, and garden vegetables need watering as allowed locally. Streams have gone dry, Satucket river has a very low level, maybe a foot now, but still flowing. Animals seem to be doing ok, and the birds love our bird bath!

MA-PL-22 -- General Awareness, Plants And Wildlife

Detail and Summary for July 2020

From the National Weather Service (NWS) Climate sites for July 2020.

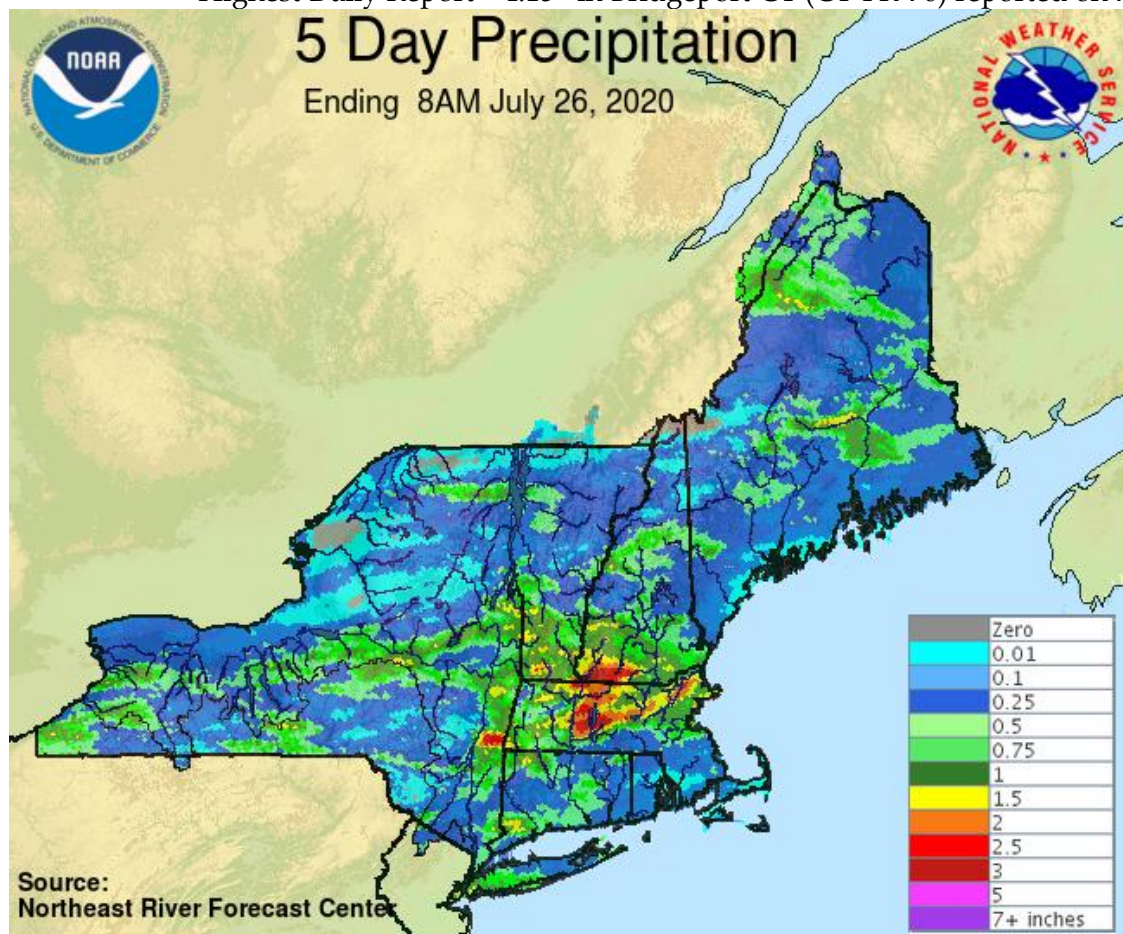


Rain on the 1st with a little more on the 2nd. Western half rain on the 4th. Widespread light rain on the 11th to go along with our single day record. A downpour over Danbury CT on the 12th and a downpour of Tolland CT on the 14th, along with Essex County MA. Narrangansett RI rain on the 15th. Light rains to the north and west on the 17th followed by more light rains on the 18th, 21st and 22nd. Big rain to the north on the 23rd and 24th. All this totaled and appears on the map on the next page.

From Providence RI to Plymouth MA on the 29th. And we end the month with rain on the shoreline on the 31st. Take in the variable nature of precipitation. And do take in the next section with appreciation for your efforts.

From your reports for July 2020

| | |
|--------------------------------|---|
| Observers reporting | 452 |
| Reported all 31 days | 252 |
| Completed by Multi-Day Reports | 45 |
| Missing 1 or 2 reports | 67 |
| Daily Reports | 11,944 |
| Zero Reports | 6,630 |
| Non-Zero Reports | 5,314 |
| Daily Comments | 2,004 |
| Multi-Day Reports | 136 |
| Condition Monitoring Reports | 113 |
| Significant Weather Reports | 32 |
| Hail Reports | 5 |
| Snowfall Reports | 6,124 |
| Snow Depth Reports | 3,277 |
| Total SWE Reports | 2,389 |
| Highest Daily Report | 4.15" in Bridgeport CT (CT-FR-70) reported on 7/4 |



Not quite a record, but another long list of stations to take in.

With most people staying close to home, the decrease in Multi-Day Reports is noticeable, and makes putting this list together a bit easier. A few stations took some long stretches of days off, but not the dozen or more stations that we normally see.

July has wide ranging precip totals. The variable nature of precipitation is here to see. Dry on Cape Cod. Wet in southwest Connecticut. Overall a mostly dry month with the average below our normal 4" of precip for the month.

Here's how this list works: Have no missing days in the calendar month, no NA's on big precip days, use Multi-Day Reports accurately, and your station can end up on this list.

| Watershed | Watershed Name | Station Number | Station Name | Precip |
|------------|--------------------------------|----------------|----------------------|--------|
| 01070004 | Nashua | | | |
| 0107000401 | North Nashua River | MA-WR-44 | Westminster 0.6 WSW | 3.94" |
| 0107000401 | North Nashua River | MA-WR-8 | Fitchburg 1.6 SSW | 2.11" |
| 0107000401 | North Nashua River | MA-WR-22 | Fitchburg 2.0 NNE | 4.30" |
| 0107000402 | Headwaters Nashua River | MA-WR-56 | Sterling 4.3 NW | 5.62" |
| 0107000402 | Headwaters Nashua River | MA-WR-58 | Lunenburg 0.6 NE | 3.95" |
| 0107000403 | Squannacook River | MA-MD-47 | West Townsend 0.5 W | 4.62" |
| 0107000403 | Squannacook River | MA-MD-36 | Townsend 2.6 S | 3.20" |
| 0107000404 | Nissitissit River-Nashua River | MA-MD-169 | Pepperell 2.1 SSW | 3.24" |
| 01070005 | Concord | | | |
| 0107000501 | Sudbury River | MA-MD-156 | Marlborough 2.8 ENE | 1.99" |
| 0107000501 | Sudbury River | MA-MD-89 | Sudbury 3.6 W | 1.91" |
| 0107000502 | Concord River | MA-WR-30 | Shrewsbury 1.6 NNE | 2.22" |
| 0107000502 | Concord River | MA-WR-28 | Berlin 1.3 WSW | 3.36" |
| 0107000502 | Concord River | MA-WR-18 | Northborough 0.6 SSE | 1.75" |
| 0107000502 | Concord River | MA-WR-42 | Northborough 2.3 N | 2.15" |
| 0107000502 | Concord River | MA-MD-115 | Hudson 1.4 NW | 2.91" |
| 0107000502 | Concord River | MA-WR-55 | Harvard 2.1 S | 3.54" |
| 0107000502 | Concord River | MA-MD-12 | Acton 1.3 SW | 3.88" |
| 0107000502 | Concord River | MA-MD-166 | Acton 0.5 SW | 3.58" |
| 0107000502 | Concord River | MA-MD-51 | Maynard 0.7 ESE | 2.49" |

| | | | | |
|------------|-------------------------------------|-----------|------------------------|-------|
| 0107000502 | Concord River | MA-MD-62 | Chelmsford 1.2 E | 3.85" |
| 01070006 | Merrimack River | | | |
| 0107000612 | Stony Brook - Merrimack River | MA-MD-104 | Littleton 2.8 NNW | 4.05" |
| 0107000612 | Stony Brook - Merrimack River | MA-ES-10 | Andover 1.5 W | 4.73" |
| 0107000613 | Shawsheen River | MA-MD-52 | Lexington 0.6 SW | 1.67" |
| 0107000613 | Shawsheen River | MA-MD-96 | Lexington 0.3 NE | 2.23" |
| 0107000613 | Shawsheen River | MA-ES-48 | Andover 0.6 E | 5.64" |
| 0107000614 | Powwow River - Merrimack River | MA-ES-66 | North Andover 0.3 NW | 4.04" |
| 0107000614 | Powwow River - Merrimack River | MA-ES-20 | Haverhill 0.7 N | 2.49" |
| 0107000614 | Powwow River - Merrimack River | MA-ES-4 | Groveland 0.5 WSW | 4.82" |
| 0107000614 | Powwow River - Merrimack River | MA-ES-59 | Amesbury 1.2 N | 3.94" |
| 0107000614 | Powwow River - Merrimack River | MA-ES-68 | Newburyport 1.3 WNW | 3.56" |
| 0107000614 | Powwow River - Merrimack River | MA-ES-64 | Newburyport 0.4 NNW | 3.47" |
| 01080201 | Middle Connecticut | | | |
| 0108020106 | Manhan River - Connecticut River | MA-HS-2 | Westhampton 1.8 SW | 2.89" |
| 0108020106 | Manhan River - Connecticut River | MA-HS-26 | Easthampton 0.5 SW | 5.08" |
| 0108020106 | Manhan River - Connecticut River | MA-HS-12 | Northampton 0.4 S | 5.32" |
| 0108020106 | Manhan River - Connecticut River | MA-FR-12 | Sunderland 1.3 SE | 3.60" |
| 0108020107 | Batchelor Brook - Connecticut River | MA-HD-13 | Springfield 4.1 W | 1.29" |
| 0108020107 | Batchelor Brook - Connecticut River | MA-HD-23 | Springfield 2.5 WNW | 1.48" |
| 01080202 | Miller | | | |
| 0108020201 | Upper Millers River | NH-CH-20 | Rindge 3.2 ESE | 6.44" |
| 0108020202 | Lower Millers River | MA-FR-21 | Millers Falls 0.2 SW | 3.15" |
| 0108020202 | Lower Millers River | MA-WR-40 | Gardner 1.4 SSW | 4.17" |
| 01080203 | Deerfield | | | |
| 0108020303 | North River | MA-FR-31 | Colrain 3.7 WNW | 4.98" |
| 0108020303 | North River | MA-FR-29 | Colrain 0.8 WNW | 4.41" |
| 0108020305 | Lower Deerfield River | MA-FR-17 | Buckland 1.8 ESE | 5.73" |
| 0108020305 | Lower Deerfield River | MA-FR-13 | Conway 2.9 NW | 6.52" |
| 0108020305 | Lower Deerfield River | MA-FR-10 | Conway 0.9 SW | 4.45" |
| 01080204 | Chicopee | | | |
| 0108020401 | Swift River | MA-FR-8 | New Salem 3.1 S | 3.97" |
| 0108020402 | Ware River | MA-WR-54 | Barre 1.4 NNE | 4.72" |
| 0108020403 | Quaboag River | MA-HD-26 | Brimfield 3.6 NW | 2.56" |
| 0108020403 | Quaboag River | MA-WR-75 | Warren 2.4 WSW | 2.24" |
| 0108020404 | Chicopee River | MA-HD-25 | Ludlow 2.3 SW | 3.31" |
| 01080205 | Lower Connecticut | | | |
| 0108020501 | Mill River - Connecticut River | CT-HR-57 | Suffield Depot 3.3 NNE | 1.46" |
| 0108020501 | Mill River - Connecticut River | MA-HD-20 | Wilbraham 3.7 SSW | 2.51" |
| 0108020501 | Mill River - Connecticut River | MA-HD-30 | Hampden 2.0 NW | 1.79" |
| 0108020502 | Scantic River | CT-TL-26 | Broad Brook 2.6 ESE | 1.99" |

| | | | | |
|------------|--|-----------|----------------------------|-------|
| 0108020502 | Scantic River | MA-HD-32 | East Longmeadow 2.3 ESE | 2.61" |
| 0108020502 | Scantic River | CT-TL-15 | Central Somers 0.3 N | 2.41" |
| 0108020503 | Park River | CT-HR-39 | Farmington 1.6 SW | 2.23" |
| 0108020503 | Park River | CT-HR-49 | West Hartford 1.1 W | 2.13" |
| 0108020503 | Park River | CT-HR-11 | West Hartford 2.7 SSE | 3.08" |
| 0108020505 | Roaring Brook - Connecticut River | CT-HR-6 | Wethersfield 1.2 WSW | 2.81" |
| 0108020505 | Roaring Brook - Connecticut River | CT-HR-45 | Wethersfield 1.9 SSW | 2.72" |
| 0108020505 | Roaring Brook - Connecticut River | CT-HR-68 | Rocky Hill 1.3 E | 2.90" |
| 0108020505 | Roaring Brook - Connecticut River | CT-HR-22 | East Hartford 1.3 E | 1.31" |
| 0108020505 | Roaring Brook - Connecticut River | CT-HR-7 | Central Manchester 2.7 SW | 1.43" |
| 0108020506 | Mattabesset River | CT-HR-15 | Southington 3.0 E | 1.69" |
| 0108020506 | Mattabesset River | CT-HR-80 | Kensington 0.7 WSW | 1.31" |
| 0108020506 | Mattabesset River | CT-HR-65 | Newington 1.9 SSW | 2.28" |
| 0108020506 | Mattabesset River | CT-MD-25 | Middlefield 0.6 SE | 2.68" |
| 0108020507 | Higganum Creek - Connecticut River | CT-MD-23 | Higganum 0.7 N | 2.75" |
| 0108020507 | Higganum Creek - Connecticut River | CT-MD-26 | Higganum 0.8 NE | 2.45" |
| 0108020508 | Salmon River | CT-MD-22 | East Hampton 2.1 N | 2.89" |
| 01080206 | Westfield | | | |
| 0108020603 | Outlet Westfield River | MA-HD-31 | Westfield 1.6 SSW | 2.71" |
| 0108020603 | Outlet Westfield River | MA-HD-28 | Westfield 2.8 SE | 2.45" |
| 0108020603 | Outlet Westfield River | MA-HD-29 | West Springfield 1.6 SSW | 1.66" |
| 01080207 | Farmington | | | |
| 0108020701 | Still River | CT-LT-15 | Colebrook 1.0 NE | 3.12" |
| 0108020702 | West Branch Farmington River | MA-BE-4 | Becket 5.6 SSW | 3.52" |
| 0108020702 | West Branch Farmington River | CT-LT-18 | New Hartford Center 1.5 N | 3.44" |
| 0108020704 | Headwaters Farmington River | CT-LT-9 | New Hartford Center 3.2 SW | 2.84" |
| 0108020704 | Headwaters Farmington River | CT-HR-70 | Canton 1.5 W | 2.84" |
| 0108020704 | Headwaters Farmington River | CT-HR-71 | Bristol 2.7 NNE | 1.84" |
| 0108020704 | Headwaters Farmington River | CT-HR-28 | North Canton 0.8 SSW | 2.84" |
| 0108020705 | Salmon Brook | CT-HR-60 | North Granby 0.7 N | 2.10" |
| 0108020705 | Salmon Brook | CT-HR-8 | North Granby 1.3 ENE | 1.95" |
| 01090001 | Charles | | | |
| 0109000101 | Plum Island Sound - Frontal Atlantic Ocean | MA-ES-46 | Georgetown 1.3 ENE | 5.63" |
| 0109000101 | Plum Island Sound - Frontal Atlantic Ocean | MA-ES-24 | Newburyport 0.8 SW | 3.82" |
| 0109000102 | Ipswich River | MA-MD-85 | Wilmington 2.2 WNW | 3.32" |
| 0109000102 | Ipswich River | MA-MD-125 | Tewksbury 3.6 SSE | 3.44" |
| 0109000102 | Ipswich River | MA-MD-45 | Wilmington 1.5 NE | 3.21" |
| 0109000102 | Ipswich River | MA-MD-160 | Reading 1.2 N | 2.28" |
| 0109000102 | Ipswich River | MA-ES-58 | Middleton 1.4 SSW | 2.55" |
| 0109000102 | Ipswich River | MA-ES-12 | Boxford 2.4 S | 4.76" |
| 0109000103 | Essex River - Frontal Atlantic Ocean | MA-ES-41 | Danvers 0.8 ESE | 2.29" |

| | | | | |
|------------|---|-----------|------------------------|-------|
| 0109000103 | Essex River - Frontal Atlantic Ocean | MA-ES-25 | Gloucester 4.3 N | 4.35" |
| 0109000103 | Essex River - Frontal Atlantic Ocean | MA-ES-22 | Rockport 1.0 E | 4.45" |
| 0109000104 | Saugus River - Frontal Broad Sound | MA-MD-126 | Melrose 0.5 NE | 3.19" |
| 0109000104 | Saugus River - Frontal Broad Sound | MA-ES-45 | Nahant 0.4 N | 1.91" |
| 0109000104 | Saugus River - Frontal Broad Sound | MA-ES-8 | Marblehead 0.8 SW | 2.72" |
| 0109000105 | Mystic River - Frontal Boston Harbor | MA-MD-123 | Lexington 1.3 SE | 1.76" |
| 0109000105 | Mystic River - Frontal Boston Harbor | MA-MD-18 | Belmont 0.2 ESE | 2.30" |
| 0109000105 | Mystic River - Frontal Boston Harbor | MA-MD-7 | Winchester 0.7 SE | 2.67" |
| 0109000105 | Mystic River - Frontal Boston Harbor | MA-MD-44 | Medford 1.2 W | 2.70" |
| 0109000105 | Mystic River - Frontal Boston Harbor | MA-MD-11 | Cambridge 0.9 NNW | 2.14" |
| 0109000106 | Upper Charles River | MA-WR-1 | Milford 2.3 NNW | 1.35" |
| 0109000106 | Upper Charles River | MA-MD-106 | Holliston 2.4 W | 1.57" |
| 0109000106 | Upper Charles River | MA-MD-55 | Holliston 0.7 W | 1.60" |
| 0109000106 | Upper Charles River | MA-MD-42 | Holliston 0.8 S | 1.87" |
| 0109000106 | Upper Charles River | MA-MD-158 | Sherborn 1.1 NW | 1.49" |
| 0109000106 | Upper Charles River | MA-NF-11 | Millis 2.0 SW | 2.54" |
| 0109000106 | Upper Charles River | MA-NF-50 | Millis 1.4 ENE | 1.46" |
| 0109000107 | Lower Charles River - Frontal Boston Harbor | MA-MD-120 | Natick 1.9 NNE | 2.30" |
| 0109000107 | Lower Charles River - Frontal Boston Harbor | MA-MD-80 | Lincoln 1.5 SW | 1.93" |
| 0109000107 | Lower Charles River - Frontal Boston Harbor | MA-MD-71 | Newton 2.2 NNW | 1.78" |
| 0109000107 | Lower Charles River - Frontal Boston Harbor | MA-MD-151 | Cambridge 0.9 SSE | 1.54" |
| 0109000107 | Lower Charles River - Frontal Boston Harbor | MA-MD-134 | Somerville 0.5 SSE | 1.65" |
| 0109000108 | Neponset River - Frontal Boston Harbor | MA-NF-1 | Norwood 1.3 NW | 1.90" |
| 0109000108 | Neponset River - Frontal Boston Harbor | MA-NF-54 | Quincy 1.2 W | 1.55" |
| 0109000109 | Whitmans Pond - Frontal Boston Harbor | MA-NF-32 | Quincy 1.8 WSW | 1.61" |
| 0109000109 | Whitmans Pond - Frontal Boston Harbor | MA-PL-36 | Hingham 0.8 ESE | 1.00" |
| 01090002 | Cape Cod | | | |
| 0109000201 | North River - Frontal Massachusetts Bay | MA-PL-5 | Kingston 3.3 WNW | 2.55" |
| 0109000201 | North River - Frontal Massachusetts Bay | MA-PL-37 | Scituate 1.2 NW | 1.23" |
| 0109000201 | North River - Frontal Massachusetts Bay | MA-PL-30 | Duxbury 3.7 W | 1.57" |
| 0109000201 | North River - Frontal Massachusetts Bay | MA-PL-47 | Plymouth 1.1 NNW | 1.62" |
| 0109000201 | North River - Frontal Massachusetts Bay | MA-PL-2 | Sagamore Beach 1.0 NW | 2.32" |
| 0109000202 | Cape Cod | MA-BA-2 | Falmouth 3.1 NNW | 0.51" |
| 0109000202 | Cape Cod | MA-BA-14 | North Falmouth 0.5 ENE | 0.48" |
| 0109000202 | Cape Cod | MA-BA-13 | Falmouth 0.6 NNW | 0.43" |
| 0109000202 | Cape Cod | MA-BA-50 | Falmouth 5.4 NNE | 0.82" |
| 0109000202 | Cape Cod | MA-BA-17 | East Falmouth 1.2 WNW | 0.69" |
| 0109000202 | Cape Cod | MA-BA-19 | East Falmouth 0.7 NW | 0.79" |
| 0109000202 | Cape Cod | MA-BA-3 | Falmouth 3.0 E | 0.39" |
| 0109000202 | Cape Cod | MA-BA-11 | East Falmouth 1.4 ESE | 0.43" |
| 0109000202 | Cape Cod | MA-BA-18 | Waquoit 0.6 SSW | 0.66" |

| | | | | |
|------------|---|----------|-------------------------|-------|
| 0109000202 | Cape Cod | MA-BA-45 | Sandwich 0.9 NNE | 1.23" |
| 0109000202 | Cape Cod | MA-BA-64 | Sandwich 1.5 SSE | 1.08" |
| 0109000202 | Cape Cod | MA-BA-79 | Mashpee 0.8 SSW | 0.58" |
| 0109000202 | Cape Cod | MA-BA-78 | Mashpee 4.6 S | 0.63" |
| 0109000202 | Cape Cod | MA-BA-10 | East Sandwich 2.3 SE | 0.65" |
| 0109000202 | Cape Cod | MA-BA-59 | Barnstable 3.6 W | 1.11" |
| 0109000202 | Cape Cod | MA-BA-76 | Barnstable 0.7 NE | 0.84" |
| 0109000202 | Cape Cod | MA-BA-22 | Yarmouth 0.9 NNW | 1.09" |
| 0109000202 | Cape Cod | MA-BA-72 | Yarmouth 2.0 S | 1.23" |
| 0109000202 | Cape Cod | MA-BA-1 | Yarmouth 2.3 SSE | 1.53" |
| 0109000202 | Cape Cod | MA-BA-77 | South Dennis 1.0 NW | 1.55" |
| 0109000202 | Cape Cod | MA-BA-80 | Brewster 1.4 W | 1.01" |
| 0109000202 | Cape Cod | MA-BA-52 | Truro 0.8 E | 1.15" |
| 0109000202 | Cape Cod | MA-BA-27 | Wellfleet 0.7 NW | 0.84" |
| 0109000202 | Cape Cod | MA-BA-36 | Harwich 2.6 ENE | 0.81" |
| 0109000202 | Cape Cod | MA-BA-68 | Eastham 1.9 WSW | 0.88" |
| 0109000202 | Cape Cod | MA-BA-42 | Orleans 1.8 S | 2.47" |
| 0109000202 | Cape Cod | MA-BA-51 | Orleans 3.0 S | 1.00" |
| 0109000202 | Cape Cod | MA-BA-12 | Orleans 1.1 E | 0.81" |
| 0109000202 | Cape Cod | MA-BA-43 | Chatham 0.4 WSW | 0.91" |
| 0109000202 | Cape Cod | MA-BA-65 | Chatham 0.2 SSE | 0.80" |
| 0109000204 | Paskamanset River - Frontal Buzzards Bay | MA-BR-14 | Dartmouth 2.5 SSW | 0.53" |
| 0109000204 | Paskamanset River - Frontal Buzzards Bay | MA-BR-52 | New Bedford 4.3 N | 0.67" |
| 0109000205 | Sakonnet Point - Frontal Rhode Island Sound | RI-NW-5 | Little Compton 1.7 NW | 1.01" |
| 0109000205 | Sakonnet Point - Frontal Rhode Island Sound | RI-NW-17 | Tiverton 4.4 SSE | 0.61" |
| 0109000205 | Sakonnet Point - Frontal Rhode Island Sound | RI-NW-7 | Little Compton 0.6 E | 0.85" |
| 0109000206 | Elizabeth Islands - Marthas Vineyard | MA-DK-14 | Naushon Island 3.0 NE | 0.38" |
| 0109000206 | Elizabeth Islands - Marthas Vineyard | MA-DK-5 | West Tisbury 2.9 N | 0.46" |
| 0109000206 | Elizabeth Islands - Marthas Vineyard | MA-DK-9 | West Tisbury 0.4 S | 0.20" |
| 0109000206 | Elizabeth Islands - Marthas Vineyard | MA-DK-2 | Vineyard Haven 0.8 WSW | 0.43" |
| 0109000206 | Elizabeth Islands - Marthas Vineyard | MA-DK-18 | Oak Bluffs 0.1 SW | 0.43" |
| 0109000207 | Nantucket Island | MA-NT-6 | Nantucket 0.6 SSE | 0.47" |
| 01090003 | Blackstone | | | |
| 0109000301 | Upper Blackstone River | MA-WR-41 | Auburn 2.6 SW | 2.67" |
| 0109000301 | Upper Blackstone River | MA-WR-43 | Leicester 2.4 ESE | 1.56" |
| 0109000301 | Upper Blackstone River | MA-WR-81 | Worcester 1.6 SE | 1.44" |
| 0109000301 | Upper Blackstone River | MA-WR-70 | Grafton 1.5 W | 1.40" |
| 0109000302 | Lower Blackstone River | RI-PR-50 | Harrisville 1.2 SSE | 2.12" |
| 0109000302 | Lower Blackstone River | RI-PR-28 | North Smithfield 0.7 SE | 2.42" |
| 0109000302 | Lower Blackstone River | RI-PR-89 | Woonsocket 1.8 WNW | 2.77" |
| 0109000302 | Lower Blackstone River | RI-PR-45 | Manville 0.4 WSW | 2.27" |

| | | | | |
|------------|--|----------|---------------------------|-------|
| 0109000302 | Lower Blackstone River | RI-PR-55 | Cumberland Hill 3.6 NNE | 1.12" |
| 01090004 | Narragansett | | | |
| 0109000401 | Upper Taunton River | MA-BR-30 | Taunton 3.9 N | 1.29" |
| 0109000401 | Upper Taunton River | MA-NF-31 | Stoughton 1.2 E | 2.03" |
| 0109000401 | Upper Taunton River | MA-PL-22 | East Bridgewater 0.3 WSW | 1.47" |
| 0109000401 | Upper Taunton River | MA-PL-15 | Abington 1.2 NNE | 1.10" |
| 0109000401 | Upper Taunton River | MA-PL-23 | Pembroke 2.8 SW | 1.00" |
| 0109000402 | Middle Taunton River | MA-PL-31 | Bridgewater 1.8 SE | 2.99" |
| 0109000402 | Middle Taunton River | MA-PL-17 | Plympton 0.9 NNE | 1.95" |
| 0109000403 | Threemile River | MA-BR-55 | NWS Boston/Norton 2.5 ESE | 1.40" |
| 0109000404 | Ten Mile River | MA-NF-58 | Plainville 0.6 NNW | 2.00" |
| 0109000404 | Ten Mile River | MA-BR-23 | Attleboro 0.9 ENE | 2.66" |
| 0109000405 | Wonnasquatucket River-Moshassuck River | RI-PR-33 | Greenville 0.7 NNW | 1.91" |
| 0109000405 | Woonasquatucket River-Moshassuck River | RI-PR-51 | North Smithfield 0.6 S | 2.01" |
| 0109000405 | Woonasquatucket River-Moshassuck River | RI-PR-82 | Providence 1.6 NNW | 2.46" |
| 0109000405 | Woonasquatucket River-Moshassuck River | RI-PR-53 | Providence 1.7 N | 2.04" |
| 0109000406 | Pawtuxet River | RI-KN-21 | Coventry 1.9 NE | 1.37" |
| 0109000406 | Pawtuxet River | RI-PR-57 | Cranston 1.2 SSE | 2.38" |
| 0109000407 | Palmer River | MA-BR-2 | Rehoboth 2.1 N | 2.80" |
| 0109000408 | Lower Taunton River - Frontal Mount Hope Bay | MA-BR-61 | Mansfield 2.4 ENE | 3.91" |
| 0109000408 | Lower Taunton River - Frontal Mount Hope Bay | MA-BR-16 | Somerset 0.4 SSE | 1.13" |
| 0109000408 | Lower Taunton River - Frontal Mount Hope Bay | MA-BR-58 | Dighton 3.3 NNW | 1.32" |
| 0109000408 | Lower Taunton River - Frontal Mount Hope Bay | MA-BR-8 | Dighton 1.1 WSW | 1.66" |
| 0109000409 | Narragansett Bay | RI-KN-17 | East Greenwich 1.2 NNE | 1.72" |
| 0109000409 | Narragansett Bay | RI-WS-54 | North Kingstown 2.7 WSW | 3.23" |
| 0109000409 | Narragansett Bay | RI-WS-31 | Kingston 7.5 NNE | 3.52" |
| 0109000409 | Narragansett Bay | RI-KN-15 | Warwick 4.3 SSW | 2.78" |
| 0109000409 | Narragansett Bay | RI-KN-2 | East Greenwich 2.3 ESE | 1.97" |
| 0109000409 | Narragansett Bay | RI-KN-23 | Warwick 3.2 NNE | 1.67" |
| 0109000409 | Narragansett Bay | RI-KN-31 | Warwick 0.8 ENE | 1.66" |
| 0109000409 | Narragansett Bay | RI-PR-67 | Providence 1.6 NE | 1.86" |
| 0109000409 | Narragansett Bay | RI-PR-84 | Providence 2.7 NNE | 1.80" |
| 0109000409 | Narragansett Bay | RI-PR-77 | Riverside 0.8 SE | 1.61" |
| 0109000409 | Narragansett Bay | RI-BR-5 | Barrington 1.3 WNW | 2.42" |
| 0109000409 | Narragansett Bay | RI-NW-27 | Newport 1.3 SW | 1.68" |
| 0109000409 | Narragansett Bay | RI-NW-4 | Middletown 1.1 SW | 1.98" |
| 0109000409 | Narragansett Bay | RI-NW-19 | Portsmouth 2.3 S | 0.81" |
| 0109000409 | Narragansett Bay | RI-NW-16 | Portsmouth 1.3 S | 0.88" |
| 0109000409 | Narragansett Bay | MA-BR-63 | Swansea 2.1 W | 1.66" |
| 01090005 | Pawcatuck-Wood | | | |
| 0109000501 | Wood River | RI-WS-64 | Hope Valley 1.8 NE | 2.00" |

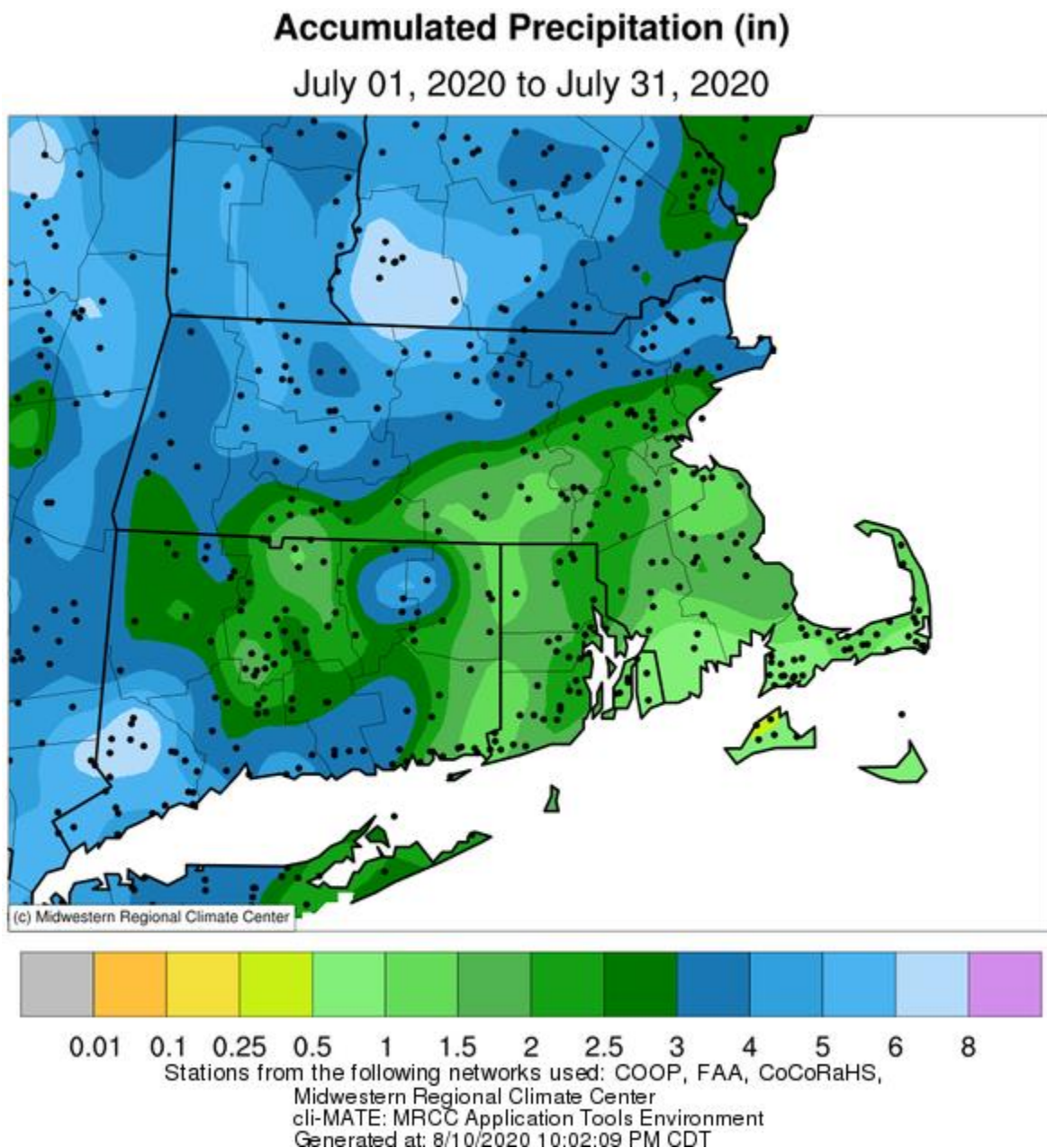
| | | | | |
|------------|---|----------|-----------------------------------|-------|
| 0109000502 | Upper Pawcatuck River | RI-WS-46 | Westerly 3.4 E | 1.12" |
| 0109000502 | Upper Pawcatuck River | RI-WS-51 | Richmond 2.4 SSE | 1.01" |
| 0109000502 | Upper Pawcatuck River | RI-WS-42 | Richmond 4.6 NNE | 1.08" |
| 0109000502 | Upper Pawcatuck River | RI-WS-45 | Charlestown 4.7 NNE | 2.13" |
| 0109000502 | Upper Pawcatuck River | RI-WS-37 | Kingston 2.4 SW | 2.78" |
| 0109000503 | Lower Pawcatuck River | CT-NL-40 | Pawcatuck 1.8 SSE | 0.89" |
| 0109000503 | Lower Pawcatuck River | RI-WS-30 | Westerly 2.4 NNW | 0.98" |
| 0109000503 | Lower Pawcatuck River | RI-WS-47 | Westerly 0.8 WNW | 0.94" |
| 0109000504 | Frontal Block Island Sound | RI-WS-36 | Charlestown 3.0 WSW | 1.54" |
| 0109000504 | Frontal Block Island Sound | RI-WS-53 | Charlestown 0.7 SE | 1.17" |
| 0109000504 | Frontal Block Island Sound | RI-WS-58 | Kingston 0.3 SW | 2.91" |
| 0109000504 | Frontal Block Island Sound | RI-WS-55 | Wakefield 0.8 ENE | 2.42" |
| 01100001 | Quinebaug | | | |
| 0110000102 | French River | MA-WR-68 | Oxford 0.9 SSW | 1.56" |
| 0110000103 | Fivemile River | CT-WN-6 | Dayville 2.0 ENE | 1.96" |
| 0110000103 | Fivemile River | CT-WN-4 | East Killingly 1.3 SW | 1.53" |
| 0110000105 | Moosup River | CT-WN-8 | Moosup 1.7 NE | 1.52" |
| 0110000105 | Moosup River | RI-KN-33 | Greene 1.4 E | 1.54" |
| 0110000106 | Pachaug River | CT-NL-21 | Griswold 0.9 N | 1.62" |
| 01100002 | Shetucket | | | |
| 0110000201 | Willimantic River | CT-TL-18 | Hebron 5.3 NW | 2.08" |
| 0110000201 | Willimantic River | CT-TL-40 | Coventry 0.3 NNE | 2.64" |
| 0110000201 | Willimantic River | CT-TL-32 | Coventry 2.3 N | 2.81" |
| 0110000201 | Willimantic River | CT-TL-7 | Columbia 2.2 SSW | 1.31" |
| 0110000201 | Willimantic River | CT-TL-2 | Staffordville 0.4 NNW | 1.86" |
| 0110000202 | Natchaug River | CT-TL-27 | Willington 2.7 SE | 7.85" |
| 0110000202 | Natchaug River | CT-TL-30 | Mansfield Center 2.7 NE | 1.91" |
| 0110000202 | Natchaug River | CT-WN-12 | Eastford 2.0 W | 6.69" |
| 0110000203 | Shetucket River | CT-NL-10 | Norwich 2.5 NNE | 2.12" |
| 01100003 | Thames | | | |
| 0110000302 | Thames River-Frontal New London Harbor | CT-NL-6 | New London 1.0 NNW | 1.69" |
| 0110000302 | Thames River-Frontal New London Harbor | CT-NL-8 | Uncasville-Oxoboxo Valley 1.6 ENE | 2.72" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-38 | Old Lyme 3.4 ESE | 2.97" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-29 | East Lyme 0.5 SW | 4.01" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-32 | Niantic 1.1 SW | 3.29" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-22 | Central Waterford 2.7 SSW | 1.65" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-46 | Mystic 3.4 NW | 1.35" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-37 | Mystic 1.6 W | 1.61" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-19 | Mystic 0.9 W | 1.39" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-24 | Stonington 1.4 NNW | 1.20" |
| 0110000303 | Mystic River - Frontal Fishers Island Sound | CT-NL-18 | Stonington 0.5 NNE | 1.71" |

| | | | | |
|------------|---|----------|----------------------------|-------|
| 01100004 | Quinnipiac | | | |
| 0110000401 | Quinnipiac River | CT-HR-55 | Southington 1.7 WNW | 1.21" |
| 0110000401 | Quinnipiac River | CT-HR-83 | Plainville 1.7 SW | 1.39" |
| 0110000401 | Quinnipiac River | CT-HR-23 | Southington 0.9 SSE | 1.48" |
| 0110000401 | Quinnipiac River | CT-HR-76 | Southington 1.0 ENE | 1.43" |
| 0110000401 | Quinnipiac River | CT-NH-44 | Wallingford Center 1.9 WNW | 2.61" |
| 0110000401 | Quinnipiac River | CT-NH-43 | Wallingford Center 3.3 NNW | 2.45" |
| 0110000401 | Quinnipiac River | CT-NH-42 | Wallingford Center 1.1 N | 2.86" |
| 0110000401 | Quinnipiac River | CT-NH-72 | Northford 0.8 SW | 4.74" |
| 0110000402 | Hammonasset River - Frontal Long Island Sound | CT-NH-21 | East Haven 3.5 SSW | 4.37" |
| 0110000402 | Hammonasset River - Frontal Long Island Sound | CT-NH-56 | Guilford Center 2.7 WSW | 5.86" |
| 0110000402 | Hammonasset River - Frontal Long Island Sound | CT-NH-50 | Madison Center 4.1 N | 3.98" |
| 0110000402 | Hammonasset River - Frontal Long Island Sound | CT-MD-21 | Killingworth 2.6 ESE | 4.09" |
| 0110000403 | Mill River - Frontal Long Island Sound | CT-NH-39 | West Haven 0.8 W | 4.67" |
| 0110000403 | Mill River - Frontal Long Island Sound | CT-NH-57 | New Haven 2.9 NNW | 2.68" |
| 01100005 | Housatonic | | | |
| 0110000501 | Headwaters Housatonic River | MA-BE-11 | Great Barrington 3.0 N | 2.64" |
| 0110000502 | Williams River - Housatonic River | MA-BE-23 | Sheffield 1.6 NW | 2.52" |
| 0110000503 | Konkapot River-Housatonic River | CT-LT-28 | Canaan 4.2 ESE | 2.15" |
| 0110000504 | Macedonia Brook - Housatonic River | CT-LT-20 | Warren 2.4 WNW | 2.84" |
| 0110000506 | Candlewood Lake-Housatonic River | CT-LT-37 | New Milford 3.1 WNW | 2.59" |
| 0110000506 | Candlewood Lake-Housatonic River | CT-LT-22 | New Milford 5.3 SSW | 4.40" |
| 0110000508 | Still River - Housatonic River | CT-FR-43 | Bethel 0.5 E | 7.23" |
| 0110000508 | Still River - Housatonic River | CT-FR-41 | Bethel 3.5 NNE | 7.80" |
| 0110000508 | Still River - Housatonic River | CT-FR-9 | Brookfield 3.3 SSE | 7.86" |
| 0110000509 | Pomperaug River | CT-LT-34 | Woodbury Center 1.5 SSW | 4.98" |
| 0110000511 | Headwaters Naugatuck River | CT-LT-7 | Litchfield 2.3 NNE | 1.98" |
| 0110000512 | Outlet Naugatuck River | CT-NH-47 | Seymour 1.5 NE | 2.74" |
| 0110000512 | Outlet Naugatuck River | CT-NH-45 | Naugatuck 1.7 NNE | 3.59" |
| 0110000512 | Outlet Naugatuck River | CT-NH-22 | Prospect 0.5 SW | 2.89" |
| 0110000513 | Housatonic River - Frontal Long Island Sound | CT-FR-42 | Monroe 0.1 SE | 4.60" |
| 0110000513 | Housatonic River - Frontal Long Island Sound | CT-FR-77 | Shelton 2.3 WSW | 5.06" |
| 0110000513 | Housatonic River - Frontal Long Island Sound | CT-FR-23 | Shelton 1.3 W | 4.38" |
| 0110000513 | Housatonic River - Frontal Long Island Sound | CT-FR-46 | Stratford 0.2 ESE | 5.25" |
| 01100006 | Saugatuck | | | |
| 0110000601 | Saugatuck River - Frontal Long Island Sound | CT-FR-58 | Ridgefield 3.6 N | 6.36" |
| 0110000601 | Saugatuck River - Frontal Long Island Sound | CT-FR-64 | Bethel 4.5 SSE | 5.42" |
| 0110000601 | Saugatuck River - Frontal Long Island Sound | CT-FR-31 | Newtown 4.6 SSW | 6.56" |
| 0110000602 | Norwalk River - Frontal Norwalk Harbor | CT-FR-59 | New Canaan 3.8 N | 5.31" |
| 0110000602 | Norwalk River - Frontal Norwalk Harbor | CT-FR-29 | Ridgefield 1.9 SSE | 6.62" |
| 0110000602 | Norwalk River - Frontal Norwalk Harbor | CT-FR-63 | Wilton 1.9 NW | 4.65" |

| | | | | |
|------------|--|-----------|-----------------------|-------|
| 0110000602 | Norwalk River - Frontal Norwalk Harbor | CT-FR-3 | New Canaan 1.9 ENE | 4.65" |
| 0110000602 | Norwalk River - Frontal Norwalk Harbor | CT-FR-25 | Norwalk 2.9 NNW | 4.80" |
| 0110000603 | Pequonnock River - Frontal Long Island Sound | CT-FR-84 | Westport 3.8 ENE | 4.34" |
| 0110000603 | Pequonnock River - Frontal Long Island Sound | CT-FR-60 | Fairfield 1.5 NE | 4.81" |
| 0110000603 | Pequonnock River - Frontal Long Island Sound | CT-FR-32 | Monroe 0.8 W | 7.13" |
| 0110000603 | Pequonnock River - Frontal Long Island Sound | CT-FR-81 | Bridgeport 1.2 NNW | 5.58" |
| 0110000603 | Pequonnock River - Frontal Long Island Sound | CT-FR-67 | Trumbull 1.2 S | 6.87" |
| 0110000603 | Pequonnock River - Frontal Long Island Sound | CT-FR-26 | Stratford 0.9 W | 6.22" |
| 0110000604 | Mianus River-Rippowam River | CT-FR-83 | Darien 2.4 NW | 5.11" |
| 0110000604 | Mianus River-Rippowam River | CT-FR-35 | Darien 1.8 ENE | 4.78" |
| 02020003 | Hudson-Hoosic | | | |
| 0202000306 | Upper Hoosic River | MA-BE-21 | Cheshire 0.5 NNW | 3.92" |
| 02030203 | Long Island Sound | | | |
| 0203020300 | Long Island Sound | NY-SF-114 | Fishers Island 0.5 NE | 1.41" |

A few patches of over 6". Green is under 3", with the lowest amounts around Cape Cod.

A dry month for much of us. The variable nature of precipitation is there to see during these summer months.



“We do not live at the airport”

The variable nature of precipitation appears in these stations, too. This list averaged 2.37”, while our own stations average 2.60”, which is drier than our normal of around 4”.

Our network does not use automated gauges! And we do not live at the airport!

| Location | Station ID | July 2020 Precip | July departure from normal | May-June-July Precip | 3 month departure from normal | Feb-July Precip | 6 month departure from normal | Aug-July Precip | 12 month departure from normal |
|---------------------|------------|------------------|----------------------------|----------------------|-------------------------------|-----------------|-------------------------------|-----------------|--------------------------------|
| White Plains NY | HPN | 5.68" | 1.97" | 9.42" | -2.66" | 20.13" | -3.86" | 41.51" | -7.84" |
| Danbury CT | DXR | 6.07" | 1.49" | 10.15" | -3.35" | 19.89" | -4.72" | 39.50" | -10.37" |
| New Haven CT | HVN | 3.06" | -0.95" | 6.95" | -5.25" | 18.85" | -4.97" | 39.29" | -7.82" |
| Meriden CT | MMK | 2.09" | -1.92" | 8.20" | -4.00" | 23.46" | -0.36" | 48.56" | 1.45" |
| Hartford CT | HFD | 3.54" | -0.46" | 7.30" | -4.58" | 18.75" | -3.23" | 39.33" | -4.27" |
| Willimantic CT | IJD | 1.88" | -2.21" | 10.26" | -1.87" | 21.10" | -2.86" | 43.25" | -5.17" |
| New London CT | GON | 1.38" | -2.39" | 6.42" | -5.31" | 18.26" | -4.90" | 40.40" | -6.09" |
| Westerly RI | WST | 0.98" | -2.81" | 7.53" | -3.73" | 17.71" | -6.02" | 41.17" | -6.22" |
| Newport RI | UUU | 2.06" | -1.39" | 6.34" | -4.45" | 18.53" | -4.46" | 36.32" | -10.01" |
| New Bedford MA | EWB | 0.41" | -2.91" | 4.91" | -6.05" | 12.16" | -11.85" | 30.75" | -17.61" |
| Hyannis MA | HYA | 0.93" | -2.31" | 4.98" | -5.31" | 16.58" | -6.71" | 42.27" | -5.42" |
| Nantucket MA | ACK | 0.00" | -3.09" | 5.66" | -4.34" | 16.37" | -4.34" | 38.32" | -6.10" |
| Marthas Vineyard MA | MVY | 0.50" | -2.41" | 7.30" | -2.24" | 19.50" | -1.64" | 44.71" | -0.45" |
| Taunton MA | TAN | 1.49" | -2.26" | 7.58" | -3.39" | 20.51" | -3.74" | 42.49" | -7.25" |
| Plymouth MA | PYM | 2.33" | -1.16" | 6.49" | -4.64" | 20.62" | -4.00" | 49.24" | 0.09" |
| Norwood MA | OWD | 2.17" | -1.61" | 11.01" | -0.40" | 25.53" | 2.23" | 45.18" | -1.88" |
| Bedford MA | BED | 2.49" | -1.23" | 5.80" | -5.69" | 16.15" | -6.69" | 36.13" | -9.58" |
| Beverly MA | BVY | 0.52" | -3.34" | 4.65" | -6.65" | 17.66" | -5.85" | 38.77" | -7.41" |
| Lawrence MA | LWM | 4.09" | 0.42" | 8.15" | -3.35" | 20.04" | -2.19" | 41.14" | -2.02" |
| Fitchburg MA | FIT | 2.94" | -1.14" | 6.72" | -5.67" | 18.51" | -5.38" | 31.57" | -15.57" |
| Orange MA | ORE | 4.58" | 0.45" | 7.96" | -4.44" | 18.89" | -2.96" | 38.61" | -3.94" |
| Westfield MA | BAF | 2.28" | -1.81" | 5.66" | -7.22" | 17.11" | -7.07" | 37.77" | -10.62" |
| North Adams MA | AQW | 3.09" | -1.46" | 6.50" | -7.12" | 15.32" | -8.25" | 33.48" | -13.13" |

Rulers of the Snow

We are the Rulers of the Snow. We define where the snow is and where it is not.

For the hottest month of the year, these are the group of stations that reported snow fall and snow depth for all days in July 2020. A network leading 82 stations. Even on Marthas Vineyard and on Fishers Island!

Keep making this list even longer. Using the mobile app? Look at the 2nd page of the mobile app, and fill in those snow values. Make a snow fall and snow depth measurement with every Daily Report, if you can safely do so, ***all year round.***

| Station | Name | Jul 2020 Snowfall | Station | Name | Jul 2020 Snowfall |
|----------|----------------------------|-------------------|-----------|---------------------------|-------------------|
| MA-BE-21 | Cheshire 0.5 NNW | 0.0" | RI-PR-82 | Providence 1.6 NNW | 0.0" |
| CT-LT-15 | Colebrook 1.0 NE | 0.0" | RI-KN-2 | East Greenwich 2.3 ESE | 0.0" |
| CT-LT-22 | New Milford 5.3 SSW | 0.0" | RI-KN-33 | Greene 1.4 E | 0.0" |
| CT-LT-34 | Woodbury Center 1.5 SSW | 0.0" | RI-WS-31 | Kingston 7.5 NNE | 0.0" |
| CT-LT-9 | New Hartford Center 3.2 SW | 0.0" | RI-WS-37 | Kingston 2.4 SW | 0.0" |
| CT-FR-25 | Norwalk 2.9 NNW | 0.0" | RI-WS-42 | Richmond 4.6 NNE | 0.0" |
| CT-FR-3 | New Canaan 1.9 ENE | 0.0" | RI-WS-47 | Westerly 0.8 WNW | 0.0" |
| CT-FR-9 | Brookfield 3.3 SSE | 0.0" | RI-WS-55 | Wakefield 0.8 ENE | 0.0" |
| CT-NH-43 | Wallingford Center 3.3 NNW | 0.0" | RI-NW-7 | Little Compton 0.6 E | 0.0" |
| CT-NH-57 | New Haven 2.9 NNW | 0.0" | MA-BR-23 | Attleboro 0.9 ENE | 0.0" |
| MA-FR-10 | Conway 0.9 SW | 0.0" | MA-BR-55 | NWS Boston/Norton 2.5 ESE | 0.0" |
| MA-FR-13 | Conway 2.9 NW | 0.0" | MA-MD-115 | Hudson 1.4 NW | 0.0" |
| MA-FR-17 | Buckland 1.8 ESE | 0.0" | MA-MD-12 | Acton 1.3 SW | 0.0" |
| MA-FR-31 | Colrain 3.7 WNW | 0.0" | MA-MD-125 | Tewksbury 3.6 SSE | 0.0" |
| MA-HD-25 | Ludlow 2.3 SW | 0.0" | MA-MD-126 | Melrose 0.5 NE | 0.0" |
| MA-HD-30 | Hampden 2.0 NW | 0.0" | MA-MD-156 | Marlborough 2.8 ENE | 0.0" |
| CT-HR-11 | West Hartford 2.7 SSE | 0.0" | MA-MD-44 | Medford 1.2 W | 0.0" |
| CT-HR-22 | East Hartford 1.3 E | 0.0" | MA-MD-47 | West Townsend 0.5 W | 0.0" |
| CT-HR-57 | Suffield Depot 3.3 NNE | 0.0" | MA-MD-51 | Maynard 0.7 ESE | 0.0" |
| CT-HR-8 | North Granby 1.3 ENE | 0.0" | MA-MD-62 | Chelmsford 1.2 E | 0.0" |
| CT-TL-18 | Hebron 5.3 NW | 0.0" | MA-MD-7 | Winchester 0.7 SE | 0.0" |
| CT-TL-2 | Staffordville 0.4 NNW | 0.0" | MA-MD-85 | Wilmington 2.2 WNW | 0.0" |

| | | | | | |
|----------|-------------------------|------|-----------|------------------------|------|
| CT-TL-27 | Willington 2.7 SE | 0.0" | MA-ES-12 | Boxford 2.4 S | 0.0" |
| CT-MD-21 | Killingworth 2.6 ESE | 0.0" | MA-ES-4 | Groveland 0.5 WSW | 0.0" |
| CT-MD-23 | Higganum 0.7 N | 0.0" | MA-ES-41 | Danvers 0.8 ESE | 0.0" |
| MA-WR-42 | Northborough 2.3 N | 0.0" | MA-ES-48 | Andover 0.6 E | 0.0" |
| MA-WR-54 | Barre 1.4 NNE | 0.0" | MA-NF-1 | Norwood 1.3 NW | 0.0" |
| MA-WR-75 | Warren 2.4 WSW | 0.0" | MA-NF-11 | Millis 2.0 SW | 0.0" |
| MA-WR-8 | Fitchburg 1.6 SSW | 0.0" | MA-NF-54 | Quincy 1.2 W | 0.0" |
| CT-WN-8 | Moosup 1.7 NE | 0.0" | MA-NF-58 | Plainville 0.6 NNW | 0.0" |
| CT-NL-10 | Norwich 2.5 NNE | 0.0" | MA-PL-15 | Abington 1.2 NNE | 0.0" |
| CT-NL-19 | Mystic 0.9 W | 0.0" | MA-PL-36 | Hingham 0.8 ESE | 0.0" |
| CT-NL-21 | Griswold 0.9 N | 0.0" | MA-BA-14 | North Falmouth 0.5 ENE | 0.0" |
| CT-NL-29 | East Lyme 0.5 SW | 0.0" | MA-BA-2 | Falmouth 3.1 NNW | 0.0" |
| CT-NL-32 | Niantic 1.1 SW | 0.0" | MA-BA-3 | Falmouth 3.0 E | 0.0" |
| CT-NL-46 | Mystic 3.4 NW | 0.0" | MA-BA-50 | Falmouth 5.4 NNE | 0.0" |
| CT-NL-6 | New London 1.0 NNW | 0.0" | MA-BA-64 | Sandwich 1.5 SSE | 0.0" |
| RI-PR-28 | North Smithfield 0.7 SE | 0.0" | MA-BA-72 | Yarmouth 2.0 S | 0.0" |
| RI-PR-33 | Greenville 0.7 NNW | 0.0" | MA-BA-76 | Barnstable 0.7 NE | 0.0" |
| RI-PR-45 | Manville 0.4 WSW | 0.0" | MA-DK-2 | Vineyard Haven 0.8 WSW | 0.0" |
| RI-PR-51 | North Smithfield 0.6 S | 0.0" | NY-SF-114 | Fishers Island 0.5 NE | 0.0" |

July 2020 as a calendar. A count of your Daily Reports by Date. Magenta colors are for the highest counts. Lime green color for the lowest counts.

385 Reports per Day was our record reporting average for July. A few days of 400 Daily Reports. 419 Daily Reports for July 11th is a single day reporting record for us.

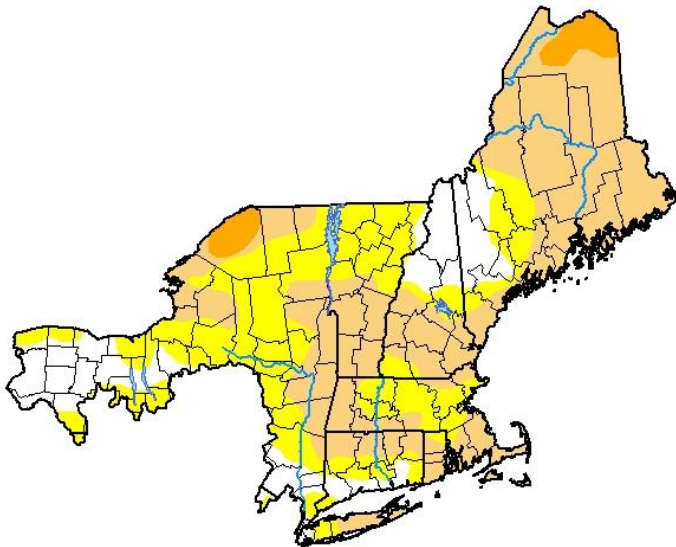
| July 2020 | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | | | 1 404 | 2 394 | 3 380 | 4 387 |
| 5 374 | 6 386 | 7 376 | 8 385 | 9 387 | 10 379 | 11 419 |
| 12 381 | 13 386 | 14 391 | 15 392 | 16 381 | 17 392 | 18 379 |
| 19 365 | 20 380 | 21 363 | 22 377 | 23 402 | 24 402 | 25 374 |
| 26 380 | 27 377 | 28 381 | 29 387 | 30 383 | 31 400 | |

D0 is starting to go away and Isaias may not bring much of it back. D1 & D2 are creeping in slowly

Keep monitoring and reporting Conditions where you are.

Every drop counts and zeros do too!

U.S. Drought Monitor Northeast RFC



August 4, 2020

(Released Thursday, Aug. 6, 2020)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

| | None | D0 | D1 | D2 | D3 | D4 |
|---|--------|-------|-------|------|------|------|
| Current | 15.93 | 33.57 | 47.13 | 3.37 | 0.00 | 0.00 |
| Last Week 07-28-2020 | 15.87 | 36.31 | 44.46 | 3.37 | 0.00 | 0.00 |
| 3 Months Ago 05-05-2020 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start of Calendar Year 12-31-2019 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start of Water Year 10-01-2019 | 66.91 | 33.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| One Year Ago 08-06-2019 | 95.47 | 4.53 | 0.00 | 0.00 | 0.00 | 0.00 |

Intensity:

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

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

For a viewing explanation on the Drought Monitor, the CoCoRaHS animated video is on [YouTube](#).

Wrap up

Travel options are limited this year so get outside on a clear night and take in the stars. The Perseids meteor shower peaks this week. Take in the Summer Triangle on a star lit night. Enjoy the rest of these warm weather and sunlight months. We are losing daylight.

Thank you for all that you do for CoCoRaHS, whether in the past, present and in the days to come.