

Community Collaborative Rain, Hail & Snow Network



Southern



New England

February 2021

"But now, when I turn to see, there is a perfect shadow cast of me. Six more weeks of winter there will be!!" With those words, the Groundhog predicts a continuation of winter.

Winter keeps coming and coming, with snow on top of more snow. A far different winter than last winter, not only in terms of cold and snow, but in terms of reporting as well. Read on to hear about the reporting records you played a part in.

Joe's feature article is about the winter storm we had to begin February, and probably changed the Groundhog's mind about an early spring.

More details about snow reporting, and where your snow reports end up. Plenty of maps, and a little bit about the app.

We start off with the observers making our "Grand" List. 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.

2000 Daily Reports

MA-MD-51 Maynard 0.7 ESE
CT-FR-25 Norwalk 2.9 NNW
MA-SF-10 Chelsea 0.8 N

1000 Daily Reports

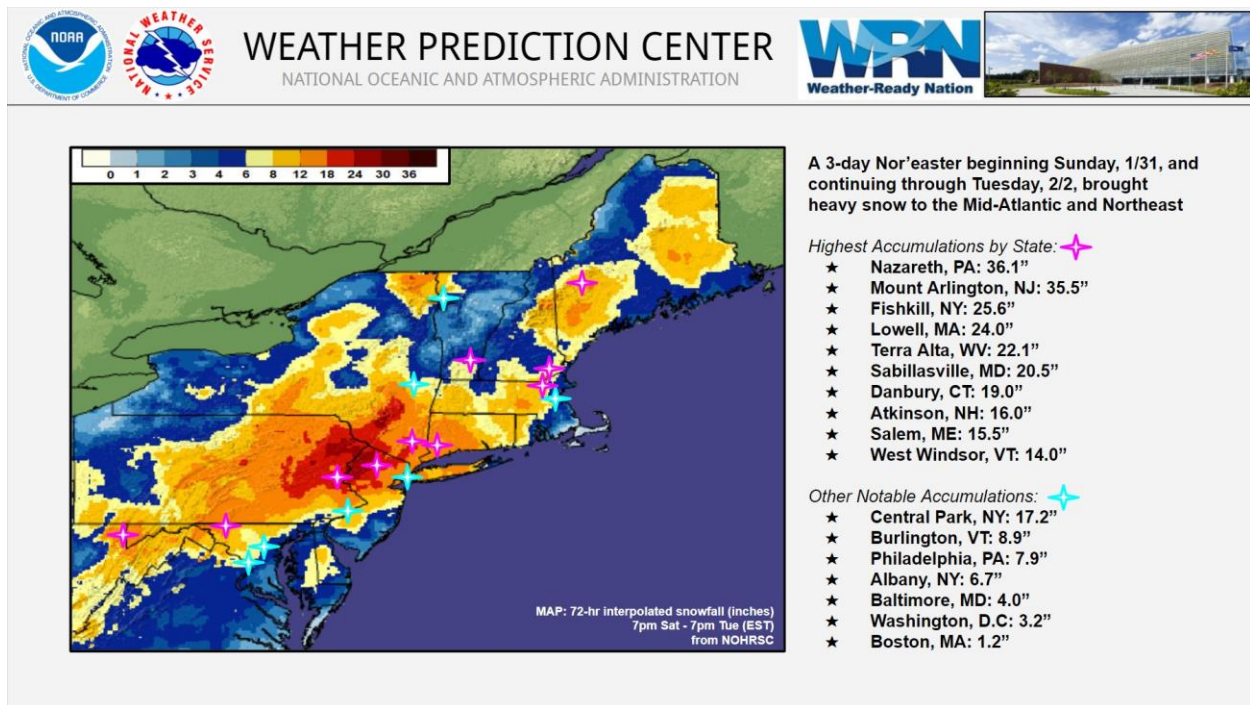
RI-WS-47 Westerly 0.8 WNW
CT-HR-57 Suffield Depot 3.3 NNE
CT-NH-50 Madison Center 4.1 N
MA-MD-119 Watertown 1.1 W
CT-HR-71 Bristol 2.7 NNE
MA-MD-115 Hudson 1.4 NW
RI-NW-18 Jamestown 0.3 SSE
CT-MD-18 Essex Village 0.9 S

Recent Winter Storms

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

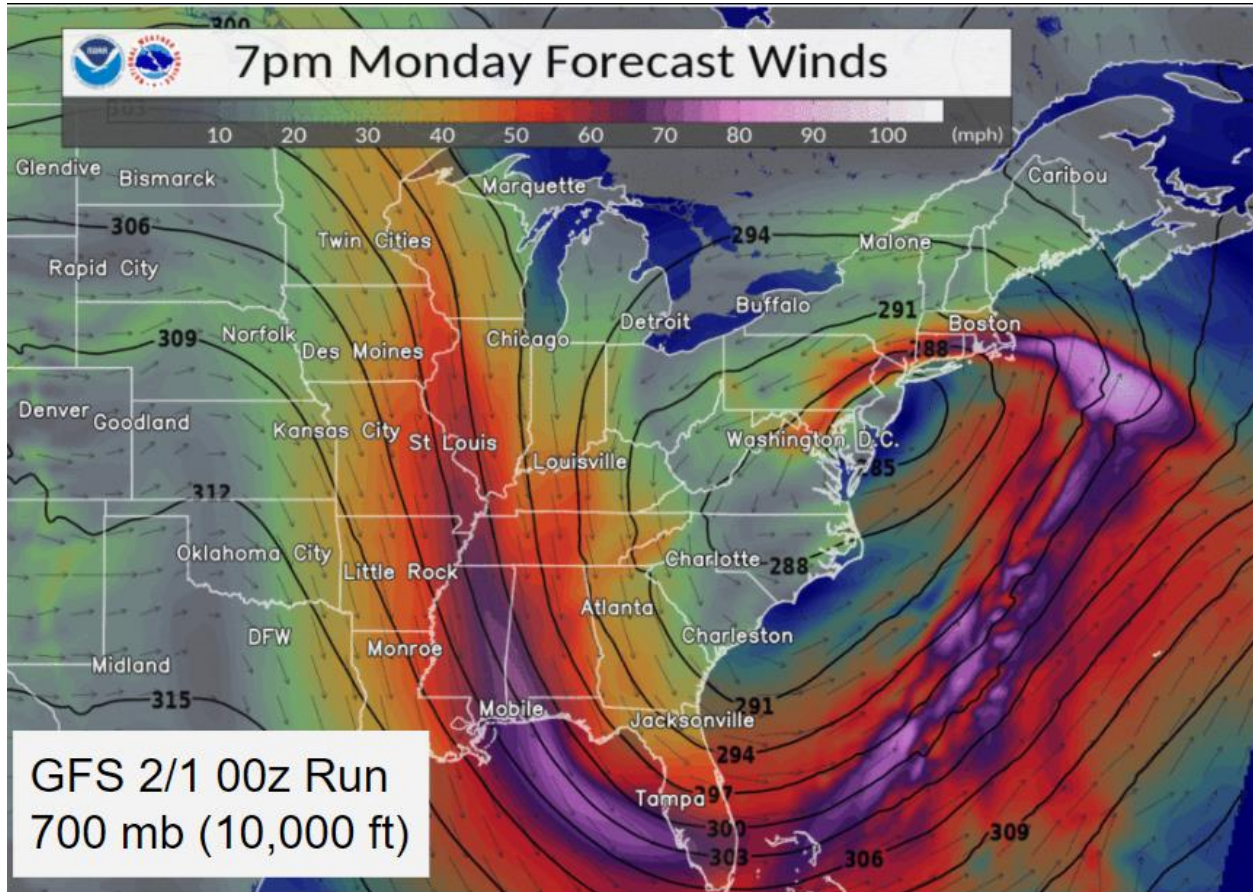
After a brief respite in the second half of January, our weather pattern has certainly turned colder and more active. Two significant winter storms affected the Northeast earlier this month and the pattern is expected to continue for at least the next week or so.

The first storm on February 1-2 brought heavy snow to a large portion of the Northeast. Much of southern New England received 8 to 15 inches of snow, with as much as 12 to 20 inches across northeast Massachusetts and western Connecticut, but less than 3 inches of snow fell in coastal areas of eastern Massachusetts where the rain/snow line came into play. Areas to our southwest including the Poconos in Pennsylvania, northern New Jersey, and the Catskills in New York received as much as 3 feet of snow.



Summary of the February 1-2, 2021 Winter Storm (NWS Weather Prediction Center)

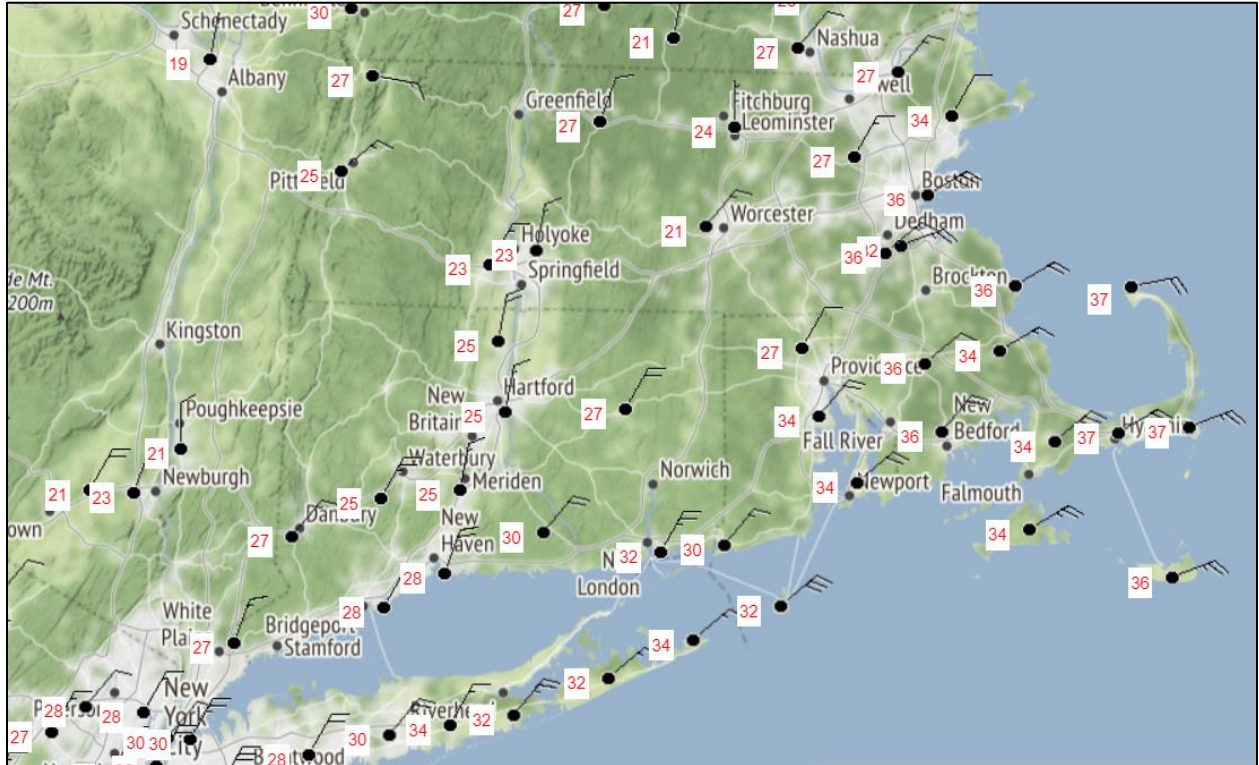
Much like the December 16-17, 2020 winter storm there were two key features which led to heavy snowfall in southern New England. The first was a very strong wind convergence near 10,000 feet above the ground. In the image below, which is a forecast from the GFS model, you can see a narrow band of strong winds over the region (orange/red shading) which corresponds very well to where the heaviest snow fell.



Winds near 10,000 feet show strong convergence over the region.

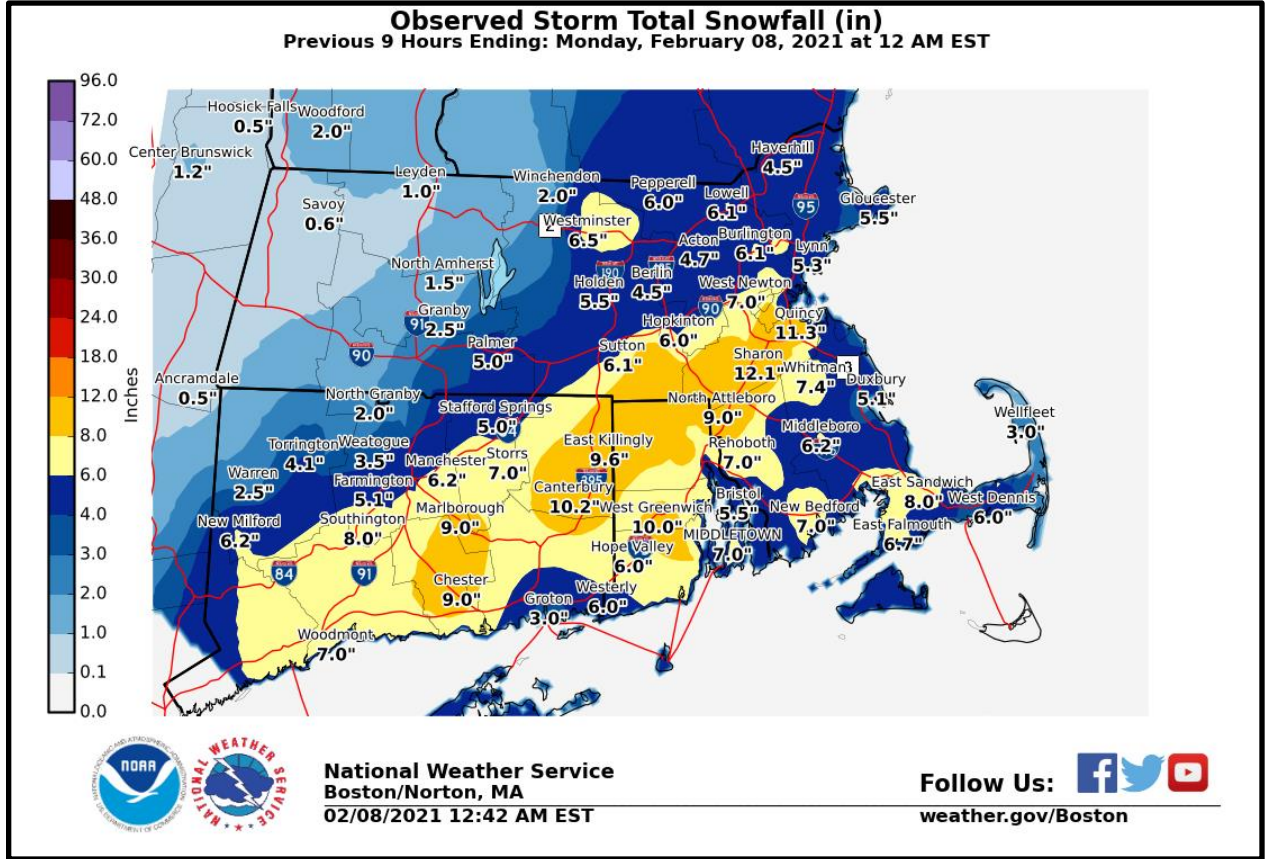
The other feature that led to heavy snow was the coastal front which set up across eastern Massachusetts. In the image below, which is a plot of weather station observations at 1 PM, note the relatively milder air (temperatures in the 30s) across eastern Massachusetts and Rhode Island with temperatures in the 20s just to the west. The coastal front is located in between, and often locations just to the west of the front see enhanced

snowfall as a result. This is why we saw a maximum in snowfall totals across parts of central and northeast Massachusetts, while east of the front, it was warm enough for a change to rain.



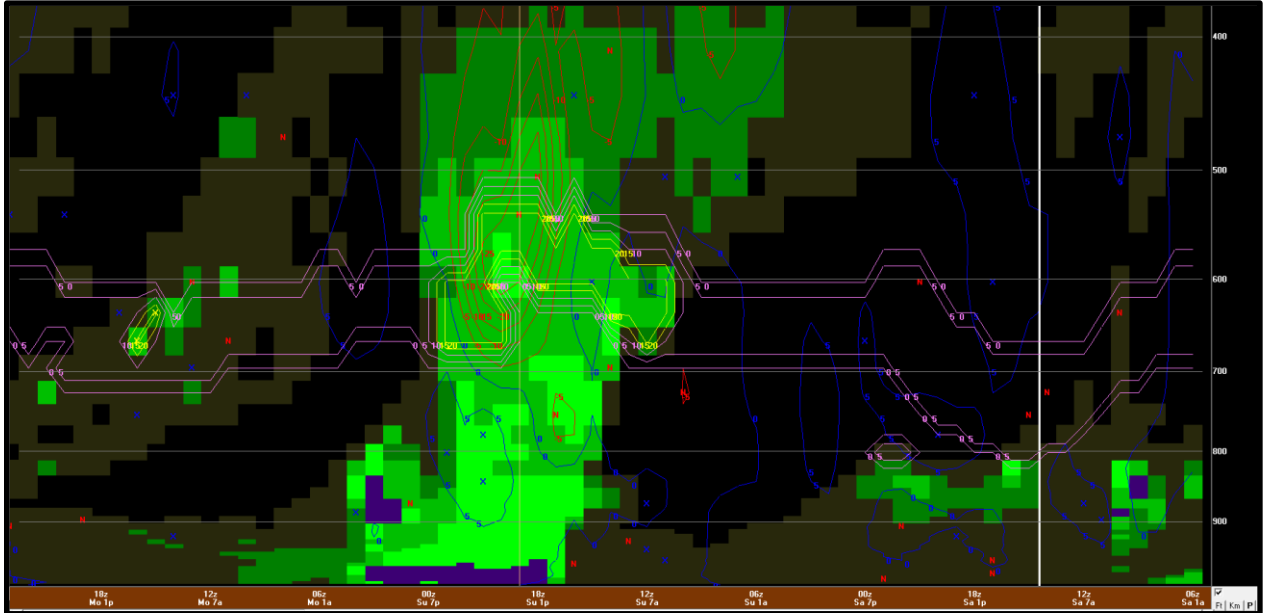
Weather station plot at 1 PM on February 1. Note the warmer air near the coast.

One week later, another winter storm produced a band of heavy snow from Connecticut into northern Rhode Island and eastern Massachusetts as it tracked offshore. Many places within this band picked up 8 to 12 inches of snow, most of which fell in just a few hours.



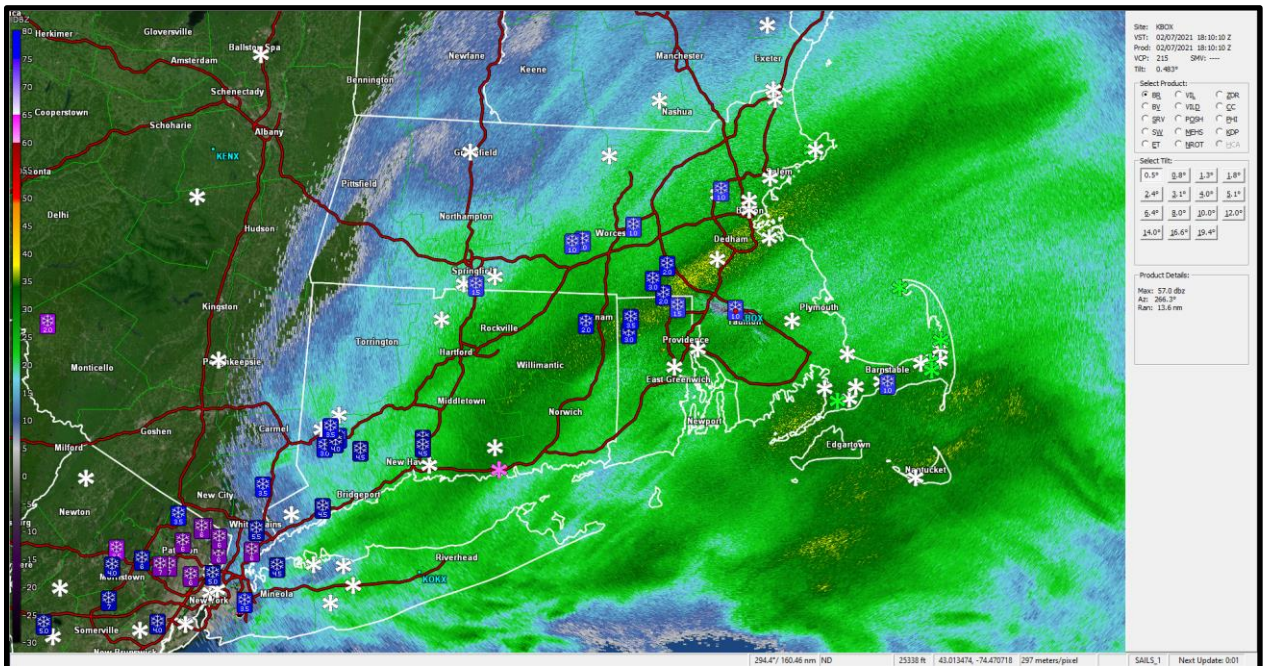
Observed Snowfall Totals: February 7-8, 2021

This band of snow formed as a result of mid-level banding - the same process that brought heavy snow to the area from the Poconos to the Catskills a week earlier. If we look more closely, we can see what was happening within the band of heavy snow. The image below is a cross section of a model forecast for Providence, RI. The green shading indicates moisture (which is needed for snowfall), the red contours near the middle of the image indicate lift, and the area between the purple lines show favorable temperatures for maximum snowflake growth (the big snowflakes that pile up quickly). When you see these three features at the same time (moisture, lift, and favorable temperature) odds favor the production of dendrites, which are the large snowflakes that lead to rapid accumulation.



Model cross section at Providence, RI.

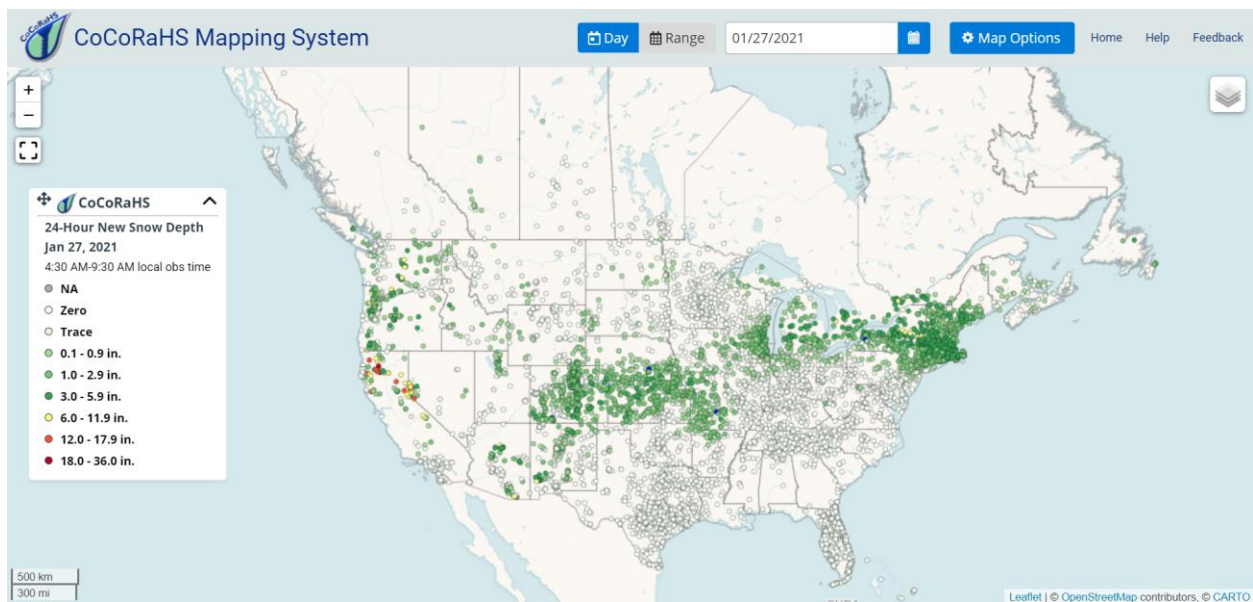
Sure enough, radar showed a band of heavy snow (dark green and yellow shading) from Connecticut into northern Rhode Island and eastern Massachusetts, where snowfall rates of 2 to 4 inches per hour were observed!



Radar image showing the band of heavy snow from CT into northern RI and eastern MA.

News Items

January 27, 2021: On Wednesday January 27th, our 3 states played a role in breaking a single day reporting record of nearly 3300 snow fall greater than 0 reports. The previous single day record 3,147 snow fall reports set on February 5, 2014. Our 3 states chipped in 335 of those snow fall greater than 0 reports. Let's take a look at the snowfall map for that date.



Our 3 states chipped in 335 of those snow fall greater than 0 reports, as you see the cluster of reports in New York and in New England.

In all the years of our network, only 2 dates had more than 3,000 snow fall greater than 0 reports in a single day. February 5, 2014 & January 27, 2021. Smile. You played a part in a network record.

The other record you all played a part in during January was this one: 14,000+ daily reports for the entire network on January 25 & January 26. We have never eclipsed 14,000 Daily Reports on any January day before. The winter months are often our downturn in reporting. Not as much with the pandemic. Reporting remains strong here and across the rest of the network.

From the Message of the Day during the past few weeks, and Nolan's last Newsletter, more details about

NOHRSC – (pronounced no-risk) The National Operational Hydrologic Remote Sensing Center is based in Chanhassen MN, near Minneapolis. From there, they monitor snow depths and its water equivalent across North America. <https://www.nohrsc.noaa.gov>

On the website, there is a text box labelled "Observations Near". I entered a lat/long near our 3-state corner to get a sampling of reports.

Nearest observations to
42.01°N, -71.8°W

Note: these data are unofficial and provisional.

Location and Date

Enter your "City, ST (or Latitude, Longitude)"

Closest 5 observations near 42.01°N, -71.8°W Latest between 2021-02-08 06:00 UTC and 2021-02-09 06:00 UTC

42.01°N, -71.8°W (Elevation: N/A)

Raw Snowfall Observations

Station ID	Name	Elev. (ft)	Raw Snowfall (in)	Duration (hours)	Date (UTC)	Distance
41.9623_071.8870	2 SSE North Grosvenor Dale CoCoRaHS (CT-WN-2)	351	7.00	24	2021-02-08 13	5.6 mi WSW
CT-WN-2	NORTH GROSVENOR DALE 1.7 SSE, CT	351	7.00	24	2021-02-08 13	5.6 mi WSW
41.9442_071.9031	West Thompson Lake Co-Op Observer (WTPC3)	371	5.00	24	2021-02-08 12	7 mi WSW
WTPC3	WEST THOMPSON LAKE	371	5.00	24	2021-02-08 12	7 mi WSW
RI-PR-50	HARRISVILLE 1.2 SSE, RI	486	10.50	24	2021-02-08 12	7.8 mi ESE

Snow Depth Observations

Station ID	Name	Elev. (ft)	Snow Depth (in)	Date (UTC)	Distance
WTPC3	WEST THOMPSON LAKE	371	11.00	2021-02-08 12	7 mi WSW
RI-PR-50	HARRISVILLE 1.2 SSE, RI	486	18.00	2021-02-08 12	7.8 mi ESE
CT-WN-20	PUTNAM 0.8 SW, CT	371	14.00	2021-02-08 12	9.1 mi SW
OXFM3	BUFFUMVILLE LAKE	522	10.00	2021-02-08 12	9.2 mi NW
NTHM3	NORTHBRIDGE 2	325	11.00	2021-02-08 12	9.7 mi NE

Snow Water Equivalent Observations

Station ID	Name	Elev. (ft)	Snow Water Equivalent (in)	Date (UTC)	Distance
RI-PR-45	MANVILLE 0.4 WSW, RI	295	1.09	2021-02-08 11	16.7 mi E
MA-WR-88	LEICESTER 2.5 WSW, MA	912	1.75	2021-02-08 12	17.4 mi NNW
CT-WN-8	MOOSUP 1.7 NE, CT	417	1.56	2021-02-08 06	19.4 mi S
RI-KN-14	GREENE 1.4 E, RI	541	1.50	2021-02-08 12	22.3 mi SSE
MA-WR-42	NORTHBOROUGH 2.3 N, MA	344	1.66	2021-02-08 13	24.5 mi NNE

Raw Precipitation Observations

Station ID	Name	Elev. (ft)	Raw Precipitation (in)	Duration (hours)	Date (UTC)	Distance
D0542_MADIS	DW0542 WEBSTER	495	0.00	1	2021-02-09 06	1.9 mi NW
D0542_MADIS	DW0542 WEBSTER	495	0.00	24	2021-02-09 06	1.9 mi NW
CT-WN-2	NORTH GROSVENOR DALE 1.7 SSE, CT	351	0.50	24	2021-02-08 13	5.6 mi WSW
E8139_MADIS	EW8139 EAST DOUGLAS	522	0.00	1	2021-02-09 06	5.7 mi NE
E8139_MADIS	EW8139 EAST DOUGLAS	522	0.00	24	2021-02-09 06	5.7 mi NE

These are mostly YOUR reports. Your reports play a large role in determining where the snow is and where it is not.

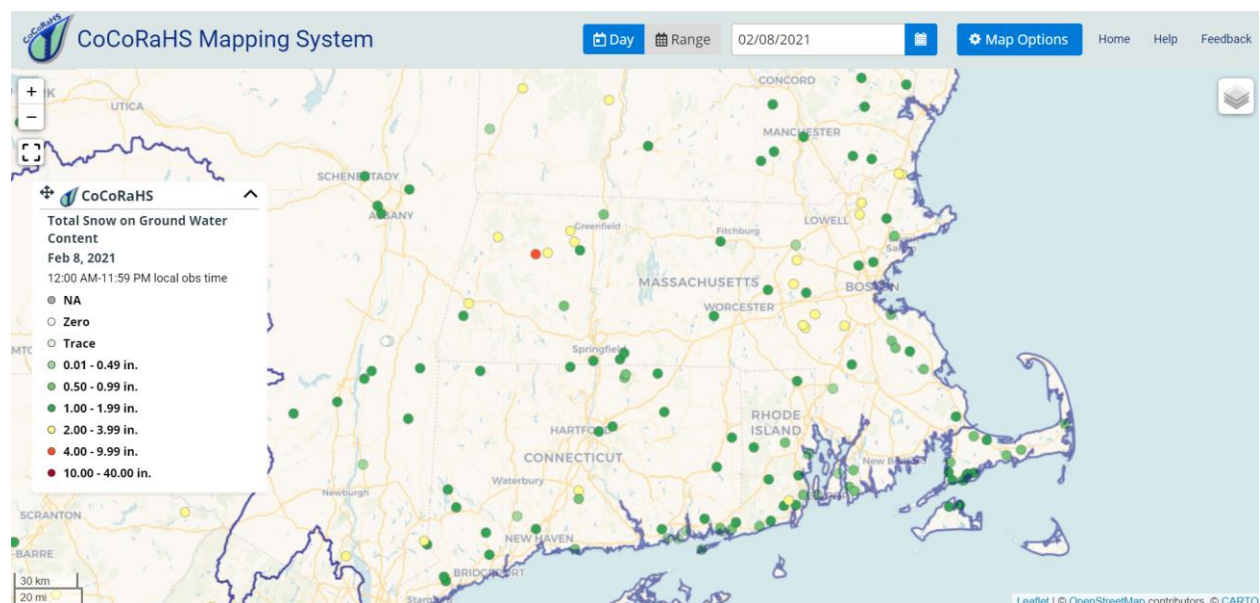
Submit a Daily Report, precip, new snow, snow depth, total SWE, and chances are good, you can find that report on the NOHRSC website, and find maps to go along with it. Very new observers may not be in their database, but the rest of you should be.

Observer Tips

Total SWE: From our recent Message-of-the-Day emphasis, comes our recent experiences of dealing with layers of snow and ice.

With any snow measurement, basically we ask you to be accurate and do the best that you can. Ice, especially close to the ground, can restrict your ability to get the entire core in your sample for your Total SWE (Snow Water Equivalent) measurement. Do the best that you can. If you feel that you missed some of the layer closest to the ground, make mention of it in your Comments. With the New Map, Comments are easy to find and read.

A look at last Monday's Total SWE Map for our area.



This winter is far different than last winter was. Total SWE reports are going to increase in importance as February turns to March. With many areas already over 1” – 2” of Total SWE on the ground, the risk of flooding is there when this snowpack melts. Your Total SWE reports, especially for Monday morning’s report, our “SWE Monday” custom, do help in understanding what that flood risk is.



Significant Weather Reports: It is as easy to remember as 1-2-3

- **1” or more of rain or snow in 1 hour or less.**
- **2” or more of rain.**
- **3” of new snow.**
- **Flooding.**
- **Change of precip type.**
- **Snow total**
- **Anything you feel is significant!**

mPING app for Apple and Android: When winter’s precip comes to our locale, the mPING reports light up! mPING covers it all. Rain, Snow, Freezing Rain, Ice Pellets/Sleet, all the way to Mixed Rain and Ice Pellets. Use mPING to report precip type and reduced visibility... in real time.

From the Mobile App: Use the app on an Android Device? Take a close look. Login and press the 3-bars in the upper left corner, called the “Hamburger Button” with Android devices.

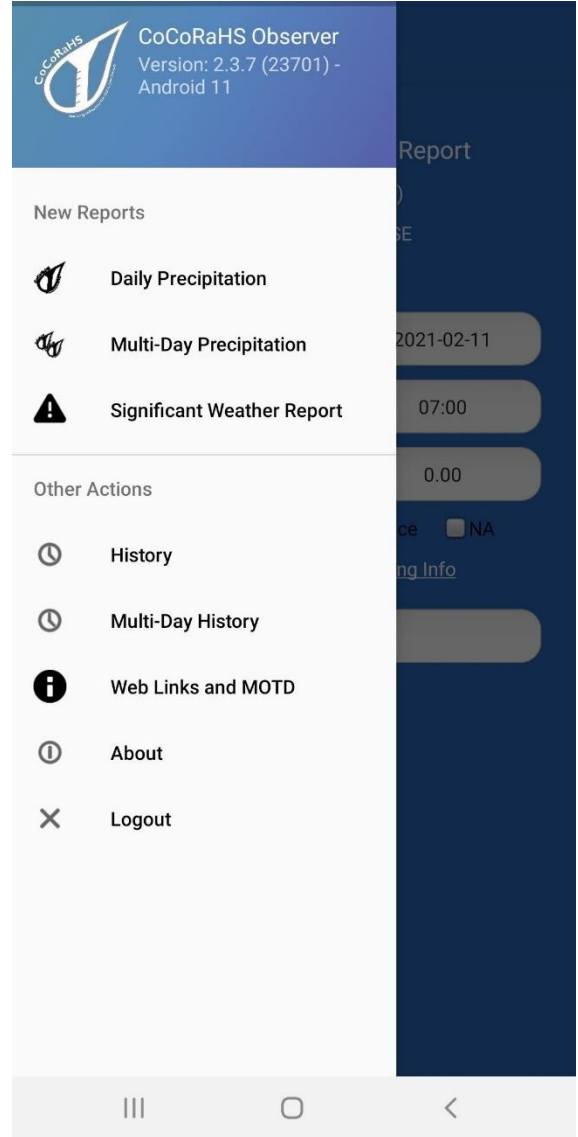
The Significant Weather Report feature here DOES NOT WORK, so let’s get that out of the way, quickly.

But look at the History feature.

Android and Apple iOS have a “History” button. From there you can do two things. You can view your reporting history AND you can tap-to-edit and change any of your reports.

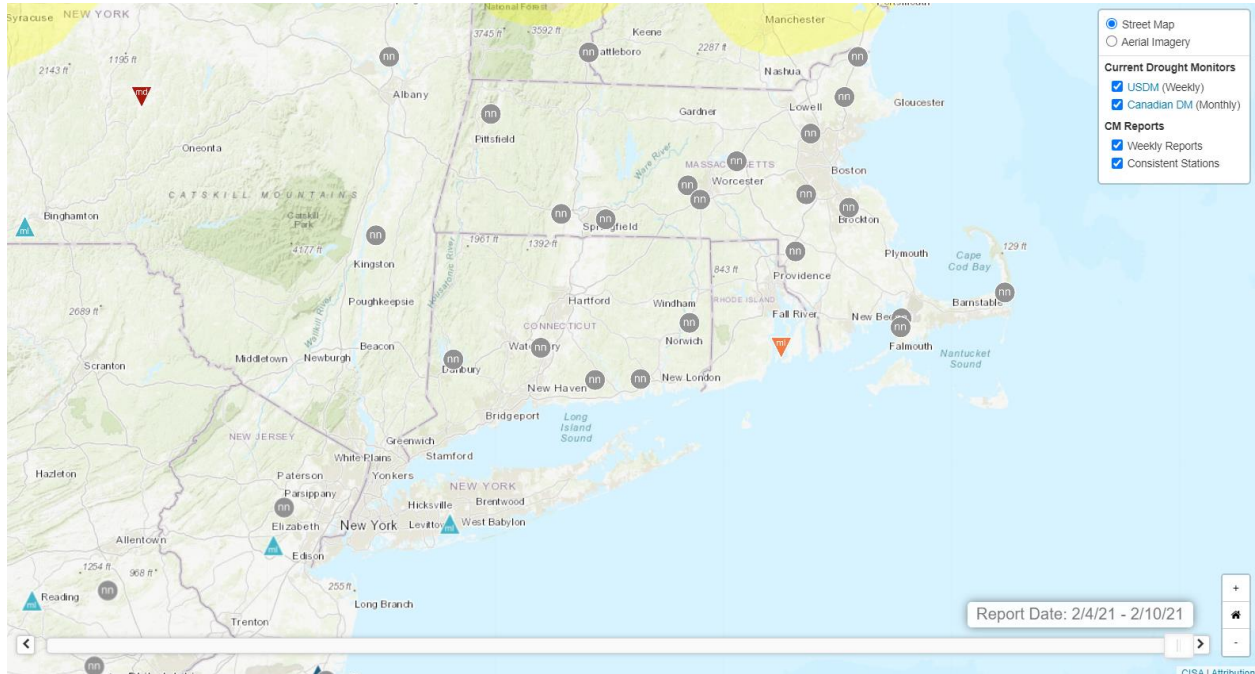
The History function is great for those moments when you wonder when the last big precipitation event was, when you want to check for missing reports, and when the conversation turns to precipitation. You have the answers with the History function in the mobile app.

There is more to the mobile app than just entering new reports. Explore this and the other features to the mobile app.



Condition Monitoring Reports: What impacts are you seeing from the precipitation? Getting enough snow on the ground? Think it might flood? Keep watch over 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.



nn Wallingford Center 3.3 NNW
Sat Feb 06 2021

Recent significant snowfalls, along with the accompanying freezing and thawing cycles, has kept moisture levels near normal.

CT-NH-43 -- General Awareness

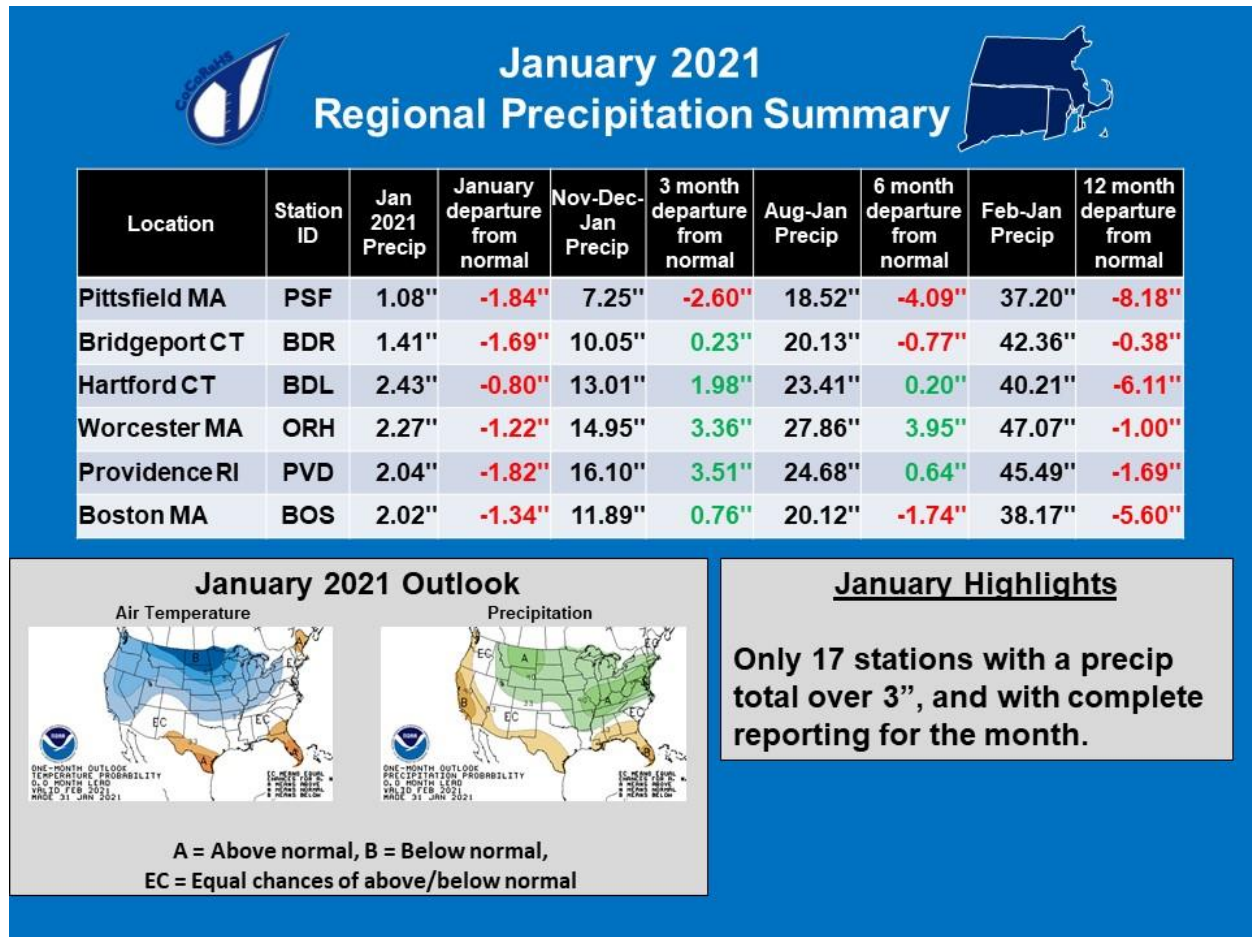
nn Westfield 2.8 SE
Sat Feb 06 2021

Had a total of about 12 inches new snow earlier in the week and a couple days with light scattered flurries. Have 9 inches remaining on the snowboard this morning. Have been snowshoeing in a nearby state park. Birds still busy at the feeder on and off throughout the day.

MA-HD-28 -- General Awareness, Plants And Wildlife

Detail and Summary for January 2021

From the National Weather Service (NWS) Climate sites for Jan 2021.

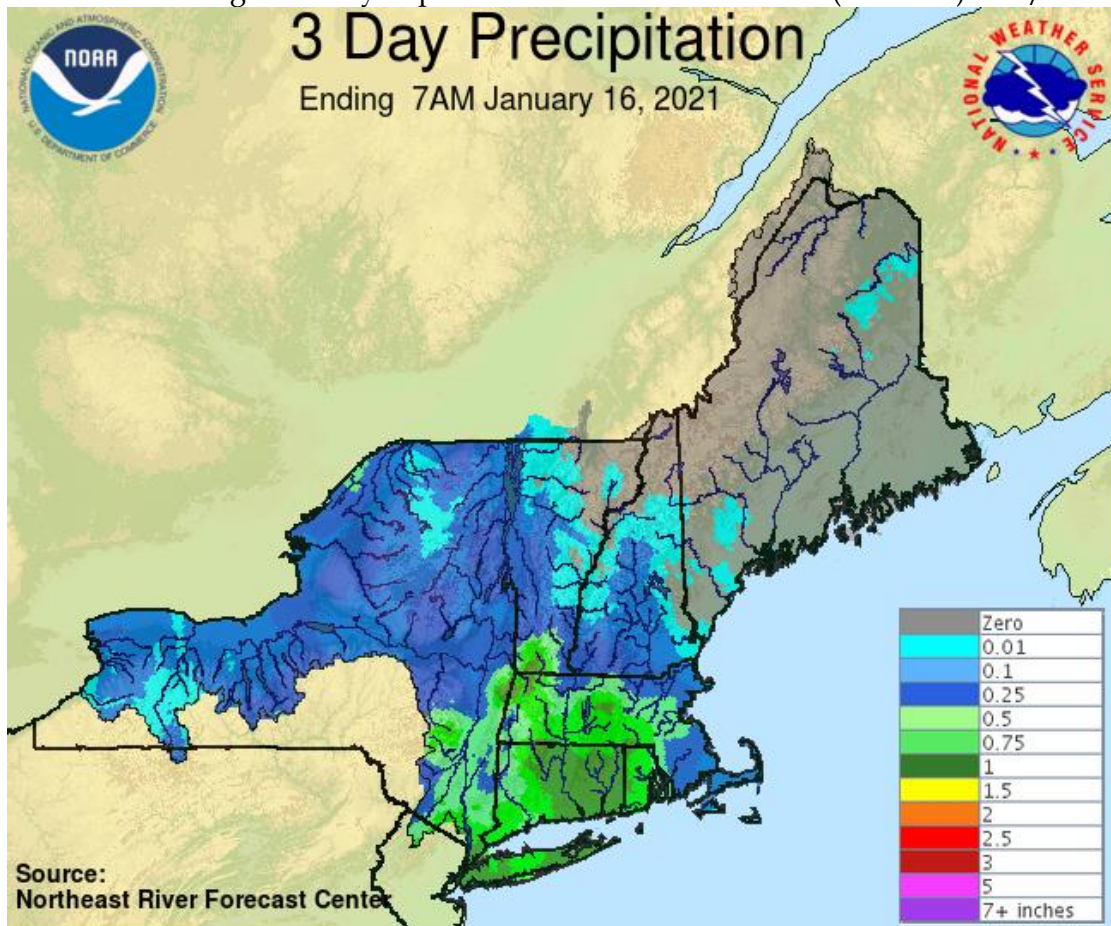


We began the month with rain along the southern coast, more widespread on the 2nd, with snow in northern MA. Snow on the 4th and again on the 5th and 6th in eastern parts. On Cape Cod for the 10th. Mostly Massachusetts on the 15th. The Main Event was on the 16th, with some 2" totals reported on Fishers Island and in New London County, noted by the map on the next page 15th the main event on the 16th. And again, on the 17th. The widespread snow on the 27th that broke the single day record for snow in our network. More light precipitation in the east for the remaining days of the month. Overall, a dry month of January.

Take in the next section with appreciation of your efforts.

From your reports for January 2021

Observers reporting	460
Reported all 31 days	257
Completed by Multi-Day Reports	31
Missing 1 or 2 reports	76
Daily Reports	12,319
Zero Reports	7,828
Non-Zero Reports	4,491
Daily Comments	2,621
Multi-Day Reports	113
Condition Monitoring Reports	106
Significant Weather Reports	22
Hail Reports	0
Snowfall Reports	8,938
Snow Depth Reports	5,471
Total SWE Reports	2,671
Highest Daily Report	2.25" from Uncasville CT (CT-NL-8) on 1/16



Welcome to Norfolk, Abington and Upton MA. And at the very bottom, welcome to our list, our Founder, Nolan Doesken (CO-LR-273) Fort Collins Colorado (FCL) and another station far away in Anchorage Alaska.

A low number of Multi-Day Reports made this list easier to put together. Keep the focus on the Gauge Catch as you go through the winter.

Watershed	Watershed Name	Station Number	Station Name	Precip
01070004	Nashua			
0107000401	North Nashua River	MA-WR-44	Westminster 0.6 WSW	2.94"
0107000401	North Nashua River	MA-WR-8	Fitchburg 1.6 SSW	2.04"
0107000401	North Nashua River	MA-WR-22	Fitchburg 2.0 NNE	2.99"
0107000402	Headwaters Nashua River	MA-WR-56	Sterling 4.3 NW	3.18"
0107000402	Headwaters Nashua River	MA-WR-58	Lunenburg 0.6 NE	2.31"
0107000402	Headwaters Nashua River	MA-MD-25	Ayer 0.1 SW	2.22"
0107000403	Squannacook River	MA-MD-47	West Townsend 0.5 W	2.71"
01070005	Concord			
0107000501	Sudbury River	MA-MD-156	Marlborough 2.8 ENE	2.91"
0107000501	Sudbury River	MA-MD-89	Sudbury 3.6 W	2.53"
0107000501	Sudbury River	MA-MD-107	Framingham 1.7 E	2.87"
0107000502	Concord River	MA-WR-30	Shrewsbury 1.6 NNE	2.80"
0107000502	Concord River	MA-WR-28	Berlin 1.3 WSW	2.73"
0107000502	Concord River	MA-WR-18	Northborough 0.6 SSE	2.57"
0107000502	Concord River	MA-MD-115	Hudson 1.4 NW	2.55"
0107000502	Concord River	MA-MD-12	Acton 1.3 SW	2.76"
0107000502	Concord River	MA-MD-51	Maynard 0.7 ESE	2.70"
0107000502	Concord River	MA-MD-62	Chelmsford 1.2 E	2.62"
01070006	Merrimack River			
0107000612	Stony Brook - Merrimack River	MA-MD-104	Littleton 2.8 NNW	2.34"
0107000612	Stony Brook - Merrimack River	MA-MD-93	Westford 1.5 SSW	2.01"
0107000613	Shawsheen River	MA-MD-52	Lexington 0.6 SW	2.83"
0107000613	Shawsheen River	MA-MD-96	Lexington 0.3 NE	1.15"
0107000613	Shawsheen River	MA-ES-48	Andover 0.6 E	2.56"
0107000614	Powwow River - Merrimack River	MA-ES-66	North Andover 0.3 NW	1.78"
0107000614	Powwow River - Merrimack River	MA-ES-20	Haverhill 0.7 N	2.23"
0107000614	Powwow River - Merrimack River	MA-ES-4	Groveland 0.5 WSW	2.22"
0107000614	Powwow River - Merrimack River	MA-ES-61	Amesbury 2.6 WSW	2.43"
0107000614	Powwow River - Merrimack River	MA-ES-59	Amesbury 1.2 N	2.23"
0107000614	Powwow River - Merrimack River	MA-ES-68	Newburyport 1.3 WNW	1.83"
0107000614	Powwow River - Merrimack River	MA-ES-64	Newburyport 0.4 NNW	1.90"

0107000614	Powwow River - Merrimack River	MA-ES-70	Newburyport 0.6 N	1.97"
0107000614	Powwow River - Merrimack River	MA-ES-56	Newburyport 1.0 ESE	2.08"
01080201	Middle Connecticut			
0108020105	Green River	MA-FR-35	Bernardston 1.0 SW	2.27"
0108020106	Manhan River - Connecticut River	MA-HS-2	Westhampton 1.8 SW	2.84"
0108020106	Manhan River - Connecticut River	MA-HS-8	Williamsburg 1.2 WSW	2.69"
0108020106	Manhan River - Connecticut River	MA-HS-26	Easthampton 0.5 SW	2.77"
0108020106	Manhan River - Connecticut River	MA-HS-12	Northampton 0.4 S	0.51"
0108020106	Manhan River - Connecticut River	MA-FR-12	Sunderland 1.3 SE	2.41"
0108020107	Batchelor Brook - Connecticut River	MA-HD-13	Springfield 4.1 W	2.84"
01080202	Miller			
0108020201	Upper Millers River	NH-CH-20	Rindge 3.2 ESE	2.55"
0108020202	Lower Millers River	MA-WR-40	Gardner 1.4 SSW	2.94"
01080203	Deerfield			
0108020305	Lower Deerfield River	MA-FR-17	Buckland 1.8 ESE	2.93"
0108020305	Lower Deerfield River	MA-FR-13	Conway 2.9 NW	2.72"
0108020305	Lower Deerfield River	MA-FR-25	Conway 2.7 NW	3.03"
0108020305	Lower Deerfield River	MA-FR-10	Conway 0.9 SW	2.79"
01080204	Chicopee			
0108020401	Swift River	MA-FR-8	New Salem 3.1 S	2.35"
0108020402	Ware River	MA-WR-54	Barre 1.4 NNE	2.62"
0108020403	Quaboag River	MA-WR-75	Warren 2.4 WSW	2.27"
0108020404	Chicopee River	MA-HD-25	Ludlow 2.3 SW	2.63"
01080205	Lower Connecticut			
0108020501	Mill River - Connecticut River	CT-HR-99	Suffield 3.6 ENE	2.41"
0108020501	Mill River - Connecticut River	CT-HR-57	Suffield Depot 3.3 NNE	2.57"
0108020501	Mill River - Connecticut River	MA-HD-33	Agawam 1.1 SSW	2.29"
0108020501	Mill River - Connecticut River	CT-HR-5	Enfield 1.5 SE	2.74"
0108020501	Mill River - Connecticut River	MA-HD-30	Hampden 2.0 NW	2.39"
0108020502	Scantic River	CT-TL-26	Broad Brook 2.6 ESE	2.39"
0108020502	Scantic River	CT-TL-35	Somersville 0.2 ENE	2.31"
0108020502	Scantic River	CT-TL-41	Somers 0.3 S	2.30"
0108020502	Scantic River	CT-TL-15	Central Somers 0.3 N	2.32"
0108020503	Park River	CT-HR-49	West Hartford 1.1 W	2.45"
0108020503	Park River	CT-HR-104	West Hartford 1.1 S	2.71"
0108020504	Hockanum River	CT-HR-52	Central Manchester 0.8 N	2.45"
0108020504	Hockanum River	CT-HR-100	Manchester 0.4 ENE	2.45"
0108020504	Hockanum River	CT-TL-19	Vernon 2.8 N	2.47"
0108020505	Roaring Brook - Connecticut River	CT-HR-6	Wethersfield 1.2 WSW	2.35"
0108020505	Roaring Brook - Connecticut River	CT-HR-68	Rocky Hill 1.3 E	2.59"
0108020505	Roaring Brook - Connecticut River	CT-HR-22	East Hartford 1.3 E	2.90"

0108020506	Mattabesset River	CT-HR-15	Southington 3.0 E	2.15"
0108020506	Mattabesset River	CT-HR-80	Kensington 0.7 WSW	2.28"
0108020506	Mattabesset River	CT-HR-65	Newington 1.9 SSW	2.28"
0108020506	Mattabesset River	CT-MD-25	Middlefield 0.6 SE	2.27"
0108020507	Higganum Creek - Connecticut River	CT-MD-23	Higganum 0.7 N	2.55"
0108020507	Higganum Creek - Connecticut River	CT-MD-26	Higganum 0.8 NE	2.49"
0108020509	Eightmile River - Connecticut River	CT-MD-18	Essex Village 0.9 S	2.54"
0108020509	Eightmile River - Connecticut River	CT-NL-44	Old Lyme 0.5 W	2.17"
01080206	Westfield			
0108020601	Headwaters Westfield River	MA-HS-14	Plainfield 2.4 ESE	2.68"
0108020603	Outlet Westfield River	MA-HD-31	Westfield 1.6 SSW	2.71"
01080207	Farmington			
0108020702	West Branch Farmington River	CT-LT-18	New Hartford Center 1.5 N	2.17"
0108020704	Headwaters Farmington River	CT-LT-9	New Hartford Center 3.2 SW	2.10"
0108020704	Headwaters Farmington River	CT-HR-70	Canton 1.5 W	1.75"
0108020704	Headwaters Farmington River	CT-HR-71	Bristol 2.7 NNE	2.03"
0108020704	Headwaters Farmington River	CT-HR-28	North Canton 0.8 SSW	2.48"
01090001	Charles			
0109000101	Plum Island Sound - Frontal Atlantic Ocean	MA-ES-19	West Newbury 1.8 SSE	2.37"
0109000101	Plum Island Sound - Frontal Atlantic Ocean	MA-ES-46	Georgetown 1.3 ENE	2.50"
0109000101	Plum Island Sound - Frontal Atlantic Ocean	MA-ES-24	Newburyport 0.8 SW	2.00"
0109000102	Ipswich River	MA-MD-85	Wilmington 2.2 WNW	2.56"
0109000102	Ipswich River	MA-MD-125	Tewksbury 3.6 SSE	2.51"
0109000102	Ipswich River	MA-MD-45	Wilmington 1.5 NE	2.30"
0109000102	Ipswich River	MA-ES-58	Middleton 1.4 SSW	2.67"
0109000102	Ipswich River	MA-ES-12	Boxford 2.4 S	2.26"
0109000103	Essex River - Frontal Atlantic Ocean	MA-ES-41	Danvers 0.8 ESE	2.23"
0109000103	Essex River - Frontal Atlantic Ocean	MA-ES-22	Rockport 1.0 E	2.12"
0109000104	Saugus River - Frontal Broad Sound	MA-MD-81	Wakefield 0.5 NNW	1.98"
0109000104	Saugus River - Frontal Broad Sound	MA-MD-126	Melrose 0.5 NE	2.00"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-123	Lexington 1.3 SE	2.63"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-175	Arlington 0.4 WNW	2.56"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-7	Winchester 0.7 SE	2.62"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-44	Medford 1.2 W	2.76"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-11	Cambridge 0.9 NNW	2.89"
0109000106	Upper Charles River	MA-WR-1	Milford 2.3 NNW	2.79"
0109000106	Upper Charles River	MA-MD-55	Holliston 0.7 W	2.74"
0109000106	Upper Charles River	MA-MD-42	Holliston 0.8 S	2.76"
0109000106	Upper Charles River	MA-NF-62	Franklin 1.4 SW	2.59"
0109000106	Upper Charles River	MA-MD-158	Sherborn 1.1 NW	2.26"
0109000106	Upper Charles River	MA-NF-11	Millis 2.0 SW	2.59"

0109000106	Upper Charles River	MA-NF-63	Norfolk 1.1 W	2.40"
0109000106	Upper Charles River	MA-NF-50	Millis 1.4 ENE	2.25"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-120	Natick 1.9 NNE	2.38"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-80	Lincoln 1.5 SW	2.54"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-119	Watertown 1.1 W	2.61"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-151	Cambridge 0.9 SSE	1.35"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-134	Somerville 0.5 SSE	2.47"
0109000108	Neponset River - Frontal Boston Harbor	MA-NF-1	Norwood 1.3 NW	2.06"
0109000108	Neponset River - Frontal Boston Harbor	MA-NF-54	Quincy 1.2 W	2.23"
0109000109	Whitmans Pond - Frontal Boston Harbor	MA-NF-32	Quincy 1.8 WSW	2.13"
0109000109	Whitmans Pond - Frontal Boston Harbor	MA-PL-36	Hingham 0.8 ESE	2.02"
01090002	Cape Cod			
0109000201	North River - Frontal Massachusetts Bay	MA-PL-57	Hanson 1.8 N	2.68"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-5	Kingston 3.3 WNW	2.89"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-48	Marshfield 1.5 NNW	2.70"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-47	Plymouth 1.1 NNW	2.25"
0109000202	Cape Cod	MA-BA-2	Falmouth 3.1 NNW	2.50"
0109000202	Cape Cod	MA-BA-57	Falmouth 5.7 N	2.56"
0109000202	Cape Cod	MA-BA-13	Falmouth 0.6 NNW	2.30"
0109000202	Cape Cod	MA-BA-50	Falmouth 5.4 NNE	2.14"
0109000202	Cape Cod	MA-BA-17	East Falmouth 1.2 WNW	1.54"
0109000202	Cape Cod	MA-BA-19	East Falmouth 0.7 NW	2.50"
0109000202	Cape Cod	MA-BA-3	Falmouth 3.0 E	2.28"
0109000202	Cape Cod	MA-BA-11	East Falmouth 1.4 ESE	2.18"
0109000202	Cape Cod	MA-BA-83	Mashpee 2.5 W	2.87"
0109000202	Cape Cod	MA-BA-18	Waquoit 0.6 SSW	2.50"
0109000202	Cape Cod	MA-BA-47	Mashpee 2.4 WSW	2.48"
0109000202	Cape Cod	MA-BA-45	Sandwich 0.9 NNE	2.14"
0109000202	Cape Cod	MA-BA-64	Sandwich 1.5 SSE	2.65"
0109000202	Cape Cod	MA-BA-78	Mashpee 4.6 S	2.57"
0109000202	Cape Cod	MA-BA-10	East Sandwich 2.3 SE	2.68"
0109000202	Cape Cod	MA-BA-59	Barnstable 3.6 W	3.16"
0109000202	Cape Cod	MA-BA-60	Hyannis 0.7 WNW	3.25"
0109000202	Cape Cod	MA-BA-76	Barnstable 0.7 NE	3.25"
0109000202	Cape Cod	MA-BA-22	Yarmouth 0.9 NNW	2.36"
0109000202	Cape Cod	MA-BA-72	Yarmouth 2.0 S	2.47"
0109000202	Cape Cod	MA-BA-1	Yarmouth 2.3 SSE	2.86"
0109000202	Cape Cod	MA-BA-77	South Dennis 1.0 NW	2.83"
0109000202	Cape Cod	MA-BA-80	Brewster 1.4 W	2.75"
0109000202	Cape Cod	MA-BA-52	Truro 0.8 E	2.86"
0109000202	Cape Cod	MA-BA-27	Wellfleet 0.7 NW	2.39"

0109000202	Cape Cod	MA-BA-42	Orleans 1.8 S	2.98"
0109000202	Cape Cod	MA-BA-51	Orleans 3.0 S	3.36"
0109000202	Cape Cod	MA-BA-30	Eastham 0.6 SW	2.91"
0109000204	Paskamanset River - Frontal Buzzards Bay	MA-BR-14	Dartmouth 2.5 SSW	2.21"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-5	Little Compton 1.7 NW	2.15"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-17	Tiverton 4.4 SSE	2.17"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-7	Little Compton 0.6 E	1.95"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	MA-BR-37	Westport 0.9 ESE	2.15"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-2	Vineyard Haven 0.8 WSW	2.01"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-18	Oak Bluffs 0.1 SW	1.75"
0109000207	Nantucket Island	MA-NT-9	Nantucket 5.9 ESE	3.31"
01090003	Blackstone			
0109000301	Upper Blackstone River	MA-WR-41	Auburn 2.6 SW	2.44"
0109000301	Upper Blackstone River	MA-WR-43	Leicester 2.4 ESE	2.68"
0109000301	Upper Blackstone River	MA-WR-81	Worcester 1.6 SE	2.78"
0109000301	Upper Blackstone River	MA-WR-70	Grafton 1.5 W	2.46"
0109000302	Lower Blackstone River	RI-PR-50	Harrisville 1.2 SSE	2.72"
0109000302	Lower Blackstone River	MA-WR-90	Upton 0.4 NE	2.74"
0109000302	Lower Blackstone River	RI-PR-28	North Smithfield 0.7 SE	2.92"
0109000302	Lower Blackstone River	RI-PR-89	Woonsocket 1.8 WNW	2.88"
0109000302	Lower Blackstone River	RI-PR-45	Manville 0.4 WSW	2.66"
0109000302	Lower Blackstone River	MA-NF-26	Bellingham 2.4 S	2.58"
0109000302	Lower Blackstone River	RI-PR-55	Cumberland Hill 3.6 NNE	2.38"
01090004	Narragansett			
0109000401	Upper Taunton River	MA-NF-31	Stoughton 1.2 E	2.23"
0109000401	Upper Taunton River	MA-PL-22	East Bridgewater 0.3 WSW	2.05"
0109000401	Upper Taunton River	MA-PL-15	Abington 1.2 NNE	1.81"
0109000401	Upper Taunton River	MA-PL-60	Abington 1.7 ESE	1.61"
0109000401	Upper Taunton River	MA-PL-23	Pembroke 2.8 SW	2.50"
0109000402	Middle Taunton River	MA-PL-31	Bridgewater 1.8 SE	1.91"
0109000403	Threemile River	MA-NF-19	Foxborough 1.8 SSW	2.27"
0109000403	Threemile River	MA-BR-55	NWS Boston/Norton 2.5 ESE	1.90"
0109000404	Ten Mile River	MA-NF-58	Plainville 0.6 NNW	2.22"
0109000404	Ten Mile River	MA-BR-23	Attleboro 0.9 ENE	2.15"
0109000405	Wonnasquatucket River-Moshassuck River	RI-PR-33	Greenville 0.7 NNW	3.14"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-51	North Smithfield 0.6 S	2.94"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-82	Providence 1.6 NNW	2.28"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-53	Providence 1.7 N	1.82"
0109000406	Pawtuxet River	RI-KN-21	Coventry 1.9 NE	2.68"
0109000406	Pawtuxet River	RI-PR-57	Cranston 1.2 SSE	2.36"
0109000407	Palmer River	MA-BR-2	Rehoboth 2.1 N	2.07"

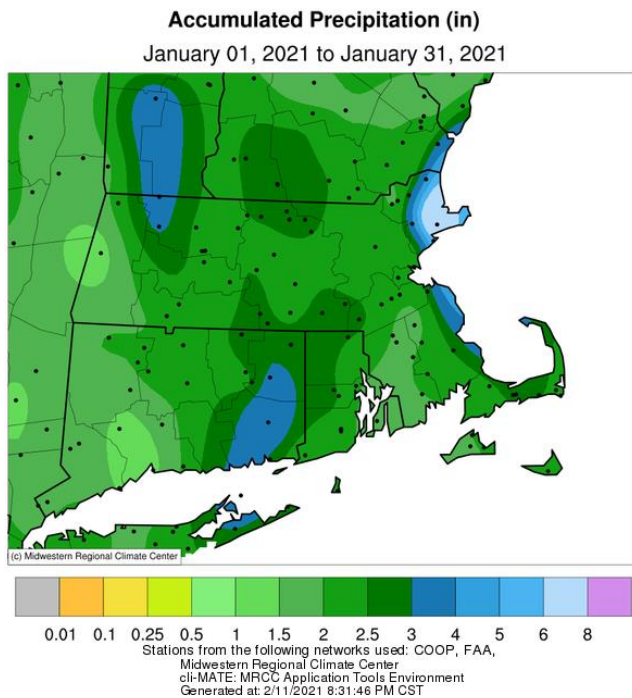
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-61	Mansfield 2.4 ENE	2.05"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-3	Norton 1.8 NNE	2.17"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-16	Somerset 0.4 SSE	2.02"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-64	Somerset 0.8 NE	1.95"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-58	Dighton 3.3 NNW	1.86"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-8	Dighton 1.1 WSW	2.05"
0109000409	Narragansett Bay	RI-KN-17	East Greenwich 1.2 NNE	2.83"
0109000409	Narragansett Bay	RI-WS-54	North Kingstown 2.7 WSW	2.57"
0109000409	Narragansett Bay	RI-WS-50	North Kingstown 3.1 NW	2.87"
0109000409	Narragansett Bay	RI-WS-31	Kingston 7.5 NNE	2.32"
0109000409	Narragansett Bay	RI-WS-44	North Kingston 1.5 SSW	2.06"
0109000409	Narragansett Bay	RI-WS-66	Narragansett 2.9 N	2.14"
0109000409	Narragansett Bay	RI-KN-2	East Greenwich 2.3 ESE	2.11"
0109000409	Narragansett Bay	RI-KN-23	Warwick 3.2 NNE	2.05"
0109000409	Narragansett Bay	RI-KN-31	Warwick 0.8 ENE	1.99"
0109000409	Narragansett Bay	RI-PR-67	Providence 1.6 NE	1.92"
0109000409	Narragansett Bay	RI-PR-84	Providence 2.7 NNE	2.23"
0109000409	Narragansett Bay	RI-NW-18	Jamestown 0.3 SSE	1.92"
0109000409	Narragansett Bay	RI-BR-5	Barrington 1.3 WNW	2.06"
0109000409	Narragansett Bay	RI-NW-27	Newport 1.3 SW	2.10"
0109000409	Narragansett Bay	RI-NW-4	Middletown 1.1 SW	1.04"
0109000409	Narragansett Bay	RI-NW-19	Portsmouth 2.3 S	1.85"
0109000409	Narragansett Bay	RI-NW-16	Portsmouth 1.3 S	1.92"
0109000409	Narragansett Bay	MA-BR-63	Swansea 2.1 W	1.96"
0109000409	Narragansett Bay	RI-NW-28	Portsmouth 3.7 NNE	2.05"
0109000409	Narragansett Bay	RI-NW-11	Tiverton 0.8 SSW	2.19"
01090005	Pawcatuck-Wood			
0109000501	Wood River	RI-WS-1	Hope Valley 3.7 S	2.22"
0109000501	Wood River	RI-WS-64	Hope Valley 1.8 NE	2.61"
0109000502	Upper Pawcatuck River	RI-WS-51	Richmond 2.4 SSE	2.07"
0109000502	Upper Pawcatuck River	RI-WS-42	Richmond 4.6 NNE	2.49"
0109000502	Upper Pawcatuck River	RI-WS-45	Charlestown 4.7 NNE	2.31"
0109000502	Upper Pawcatuck River	RI-WS-40	Exeter 1.0 NE	2.77"
0109000503	Lower Pawcatuck River	CT-NL-40	Pawcatuck 1.8 SSE	2.95"
0109000503	Lower Pawcatuck River	RI-WS-30	Westerly 2.4 NNW	2.72"
0109000503	Lower Pawcatuck River	RI-WS-47	Westerly 0.8 WNW	2.76"
0109000504	Frontal Block Island Sound	RI-WS-36	Charlestown 3.0 WSW	2.28"
0109000504	Frontal Block Island Sound	RI-WS-55	Wakefield 0.8 ENE	2.23"
0109000504	Frontal Block Island Sound	RI-WS-52	Wakefield-Peacedale 3.1 NE	1.96"
01100001	Quinebaug			
0110000102	French River	MA-WR-88	Leicester 2.5 WSW	2.76"

0110000103	Fivemile River	CT-WN-4	East Killingly 1.3 SW	2.74"
0110000105	Moosup River	CT-WN-8	Moosup 1.7 NE	3.52"
0110000105	Moosup River	RI-KN-14	Greene 1.4 E	2.74"
0110000106	Pachaug River	CT-NL-21	Griswold 0.9 N	2.55"
01100002	Shetucket			
0110000201	Willimantic River	CT-TL-18	Hebron 5.3 NW	2.38"
0110000201	Willimantic River	CT-TL-40	Coventry 0.3 NNE	2.44"
0110000201	Willimantic River	CT-TL-32	Coventry 2.3 N	2.51"
0110000201	Willimantic River	CT-TL-24	Stafford Springs 0.8 NE	1.91"
0110000201	Willimantic River	CT-TL-2	Staffordville 0.4 NNW	2.55"
0110000202	Natchaug River	CT-TL-27	Willington 2.7 SE	2.36"
0110000202	Natchaug River	CT-TL-30	Mansfield Center 2.7 NE	2.38"
0110000202	Natchaug River	CT-WN-12	Eastford 2.0 W	2.42"
0110000203	Shetucket River	CT-NL-10	Norwich 2.5 NNE	2.80"
01100003	Thames			
0110000302	Thames River-Frontal New London Harbor	CT-NL-5	Oakdale 2.6 WNW	2.64"
0110000302	Thames River-Frontal New London Harbor	CT-NL-6	New London 1.0 NNW	3.30"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-38	Old Lyme 3.4 ESE	2.58"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-29	East Lyme 0.5 SW	2.77"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-32	Niantic 1.1 SW	2.87"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-22	Central Waterford 2.7 SSW	3.46"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-46	Mystic 3.4 NW	3.30"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-37	Mystic 1.6 W	3.36"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-19	Mystic 0.9 W	3.06"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-24	Stonington 1.4 NNW	3.10"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-18	Stonington 0.5 NNE	2.73"
01100004	Quinnipiac			
0110000401	Quinnipiac River	CT-NH-14	Prospect 1.9 ENE	1.81"
0110000401	Quinnipiac River	CT-HR-55	Southington 1.7 WNW	2.03"
0110000401	Quinnipiac River	CT-HR-83	Plainville 1.7 SW	2.08"
0110000401	Quinnipiac River	CT-HR-23	Southington 0.9 SSE	1.90"
0110000401	Quinnipiac River	CT-HR-76	Southington 1.0 ENE	1.82"
0110000401	Quinnipiac River	CT-NH-43	Wallingford Center 3.3 NNW	1.83"
0110000401	Quinnipiac River	CT-NH-75	Meriden 2.8 WSW	1.81"
0110000401	Quinnipiac River	CT-NH-42	Wallingford Center 1.1 N	1.63"
0110000401	Quinnipiac River	CT-NH-72	Northford 0.8 SW	2.37"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-21	East Haven 3.5 SSW	1.19"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-60	Branford Center 1.9 SSW	1.24"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-56	Guilford Center 2.7 WSW	1.75"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-50	Madison Center 4.1 N	2.13"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-MD-21	Killingworth 2.6 ESE	2.20"

01100005	Housatonic			
0110000501	Headwaters Housatonic River	MA-BE-11	Great Barrington 3.0 N	2.11"
0110000501	Headwaters Housatonic River	MA-BE-20	Lee 3.7 SE	2.26"
0110000503	Konkapot River-Housatonic River	CT-LT-28	Canaan 4.2 ESE	1.96"
0110000506	Candlewood Lake-Housatonic River	CT-LT-37	New Milford 3.1 WNW	1.58"
0110000506	Candlewood Lake-Housatonic River	CT-LT-22	New Milford 5.3 SSW	1.60"
0110000508	Still River - Housatonic River	CT-FR-43	Bethel 0.5 E	1.80"
0110000508	Still River - Housatonic River	CT-FR-41	Bethel 3.5 NNE	1.80"
0110000508	Still River - Housatonic River	CT-FR-9	Brookfield 3.3 SSE	1.61"
0110000509	Pomperaug River	CT-LT-34	Woodbury Center 1.5 SSW	1.51"
0110000512	Outlet Naugatuck River	CT-NH-47	Seymour 1.5 NE	1.39"
0110000512	Outlet Naugatuck River	CT-NH-45	Naugatuck 1.7 NNE	1.48"
0110000512	Outlet Naugatuck River	CT-NH-22	Prospect 0.5 SW	1.55"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-77	Shelton 2.3 WSW	1.37"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-23	Shelton 1.3 W	1.41"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-46	Stratford 0.2 ESE	1.60"
01100006	Saugatuck			
0110000601	Saugatuck River - Frontal Long Island Sound	CT-FR-58	Ridgefield 3.6 N	1.70"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-59	New Canaan 3.8 N	1.93"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-29	Ridgefield 1.9 SSE	2.04"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-63	Wilton 1.9 NW	1.81"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-3	New Canaan 1.9 ENE	2.16"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-25	Norwalk 2.9 NNW	2.00"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-20	Westport 2.5 ENE	1.75"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-60	Fairfield 1.5 NE	1.81"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-32	Monroe 0.8 W	1.50"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-70	Bridgeport 2.9 NNW	1.84"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-67	Trumbull 1.2 S	1.59"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-26	Stratford 0.9 W	1.09"
0110000604	Mianus River-Rippowam River	CT-FR-39	Stamford 4.2 S	2.14"
0110000604	Mianus River-Rippowam River	CT-FR-83	Darien 2.4 NW	2.24"
02020003	Hudson-Hoosic			
0202000306	Upper Hoosic River	MA-BE-21	Cheshire 0.5 NNW	3.28"
02020006	Middle Hudson			
0202000603	Wynants Kill - Hudson River	NY-AB-21	NWS Albany	1.78"
02030203	Long Island Sound			
0203020300	Long Island Sound	NY-SF-114	Fishers Island 0.5 NE	3.48"
10190007	Cache La Poudre			
1019000708	Horsetooth Reservoir - Cache La Poudre River	CO-LR-273	FCL 2.2 NW	0.39"
19020401	Anchorage			
1902040107	Rabbit Creek - Frontal Turnagain Arm	AK-AB-55	Anchorage 7.6 SSE	1.23"

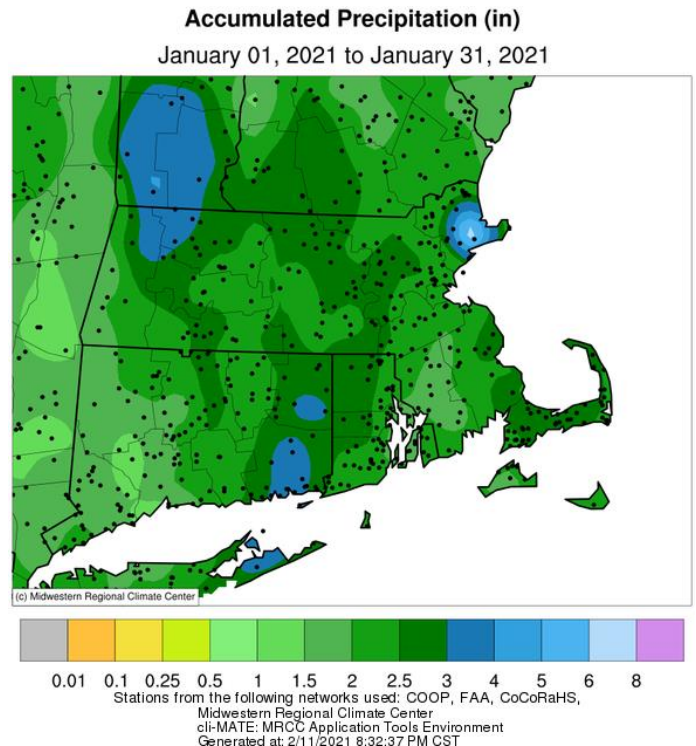
Most stations reporting less than 3” for the January. Overall a dry month to offset the wet December that we had.

Two maps. What’s the difference between the the two maps? You! The volunteer observers of CoCoRaHS that report day in and day out. Look at the extra clarity that your complete reporting makes.



To the left: ASOS stations and NWS CoOp stations only.

And below, ASOS, CoOp and CoCoRaHS stations



“We do not live at the airport”

January did not have much snow, so not much of a difference to point out, but nonetheless, you should find differences between your monthly precip totals and these locations.

This list averaged 1.91”, while our own stations averaged 2.34”.

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

Location	Station ID	Jan 2021 Precip	Jan departure from normal	Nov-Dec-Jan Precip	3 month departure from normal	Aug-Jan Precip	6 month departure from normal	Feb-Jan Precip	12 month departure from normal
White Plains NY	HPN	1.62"	-2.16"	7.86"	-4.21"	18.80"	-6.56"	38.93"	-10.42"
Danbury CT	DXR	1.44"	-1.92"	10.70"	-1.01"	22.22"	-3.04"	42.11"	-7.76"
New Haven CT	HVN	1.21"	-1.98"	9.42"	-1.31"	17.41"	-5.88"	36.26"	-10.85"
Meriden CT	MMK	1.62"	-1.57"	12.72"	1.99"	23.26"	-0.03"	46.72"	-0.39"
Hartford CT	HFD	2.32"	-0.83"	11.48"	1.14"	20.86"	-0.76"	39.61"	-3.99"
Willimantic CT	IJD	1.76"	-1.69"	12.02"	-0.01"	17.06"	-7.40"	38.16"	-10.26"
New London CT	GON	2.74"	-0.53"	13.07"	1.76"	19.39"	-3.94"	37.65"	-8.84"
Westerly RI	WST	1.85"	-1.54"	12.20"	0.53"	19.20"	-4.46"	36.91"	-10.48"
Newport RI	UUU	1.72"	-1.93"	13.11"	1.23"	20.71"	-2.63"	39.24"	-7.09"
New Bedford MA	EWB	1.96"	-1.97"	11.00"	-1.55"	15.53"	-8.82"	27.69"	-20.67"
Hyannis MA	HYA	2.32"	-1.71"	11.87"	-0.92"	17.71"	-6.69"	34.29"	-13.40"
Nantucket MA	ACK	2.07"	-1.54"	12.18"	0.34"	19.40"	-4.31"	35.77"	-8.65"
Marthas Vineyard MA	MVY	1.53"	-1.85"	9.68"	-2.09"	15.14"	-8.88"	34.64"	-10.52"
Taunton MA	TAN	1.85"	-2.13"	12.65"	-0.15"	21.51"	-3.98"	42.02"	-7.72"
Plymouth MA	PYM	2.39"	-1.30"	13.83"	1.09"	22.48"	-2.05"	43.10"	-6.05"
Norwood MA	OWD	2.09"	-1.34"	13.64"	1.64"	21.26"	-2.50"	46.79"	-0.27"
Bedford MA	BED	2.37"	-1.10"	11.41"	-0.03"	19.57"	-3.30"	35.72"	-9.99"
Lawrence MA	LWM	0.85"	-2.03"	10.07"	0.24"	19.12"	-1.81"	39.16"	-4.00"
Fitchburg MA	FIT	2.48"	-0.87"	12.30"	0.98"	18.86"	-4.39"	37.37"	-9.77"
Orange MA	ORE	1.28"	-1.44"	9.28"	-0.53"	16.97"	-3.73"	35.86"	-6.69"
Westfield MA	BAF	2.35"	-0.91"	11.63"	0.82"	23.19"	-1.02"	40.30"	-8.09"
North Adams MA	AQW	2.15"	-0.51"	9.25"	-0.75"	19.78"	-3.26"	35.10"	-11.51"

Rulers of the Snow

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

80 stations in January, plus a little extra with our friends, who reported snow fall and snow depth for all days. You are all in good company with Nolan on the same list.

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	Jan 2021 Snowfall	Station	Name	Jan 2021 Snowfall
MA-BE-21	Cheshire 0.5 NNW	20.1"	CT-HR-65	Newington 1.9 SSW	4.4"
MA-FR-17	Buckland 1.8 ESE	14.1"	RI-KN-14	Greene 1.4 E	4.4"
NY-AB-21	NWS Albany	12.6"	RI-BR-5	Barrington 1.3 WNW	4.4"
MA-FR-13	Conway 2.9 NW	11.9"	MA-MD-126	Melrose 0.5 NE	4.4"
MA-FR-10	Conway 0.9 SW	10.0"	MA-BA-2	Falmouth 3.1 NNW	4.4"
MA-WR-8	Fitchburg 1.6 SSW	9.3"	CT-TL-15	Central Somers 0.3 N	4.3"
MA-WR-88	Leicester 2.5 WSW	9.1"	CT-TL-40	Coventry 0.3 NNE	4.3"
MA-WR-54	Barre 1.4 NNE	8.6"	CT-TL-41	Somers 0.3 S	4.2"
CT-LT-9	New Hartford Center 3.2 SW	8.2"	MA-MD-119	Watertown 1.1 W	4.1"
MA-MD-52	Lexington 0.6 SW	7.9"	CT-LT-22	New Milford 5.3 SSW	4.0"
MA-MD-115	Hudson 1.4 NW	7.5"	CT-TL-19	Vernon 2.8 N	4.0"
MA-MD-51	Maynard 0.7 ESE	7.2"	RI-KN-2	East Greenwich 2.3 ESE	4.0"
MA-FR-8	New Salem 3.1 S	7.0"	MA-BA-57	Falmouth 5.7 N	3.9"
MA-MD-12	Acton 1.3 SW	6.9"	RI-PR-84	Providence 2.7 NNE	3.8"
MA-ES-4	Groveland 0.5 WSW	6.7"	MA-MD-85	Wilmington 2.2 WNW	3.8"
MA-HS-26	Easthampton 0.5 SW	6.6"	MA-ES-41	Danvers 0.8 ESE	3.8"
MA-MD-156	Marlborough 2.8 ENE	6.6"	MA-BA-18	Waquoit 0.6 SSW	3.8"
AK-AB-55	Anchorage 7.6 SSE	6.5"	MA-BA-77	South Dennis 1.0 NW	3.8"
MA-MD-125	Tewksbury 3.6 SSE	6.4"	MA-BR-61	Mansfield 2.4 ENE	3.6"
MA-ES-58	Middleton 1.4 SSW	6.4"	CT-HR-22	East Hartford 1.3 E	3.5"
MA-FR-12	Sunderland 1.3 SE	6.2"	MA-BA-50	Falmouth 5.4 NNE	3.5"

MA-MD-47	West Townsend 0.5 W	6.2"	MA-BA-60	Hyannis 0.7 WNW	3.5"
CT-WN-4	East Killingly 1.3 SW	6.1"	CT-FR-9	Brookfield 3.3 SSE	3.3"
MA-ES-48	Andover 0.6 E	6.1"	RI-NW-7	Little Compton 0.6 E	3.2"
MA-HD-25	Ludlow 2.3 SW	6.0"	MA-BA-51	Orleans 3.0 S	3.2"
MA-MD-158	Sherborn 1.1 NW	6.0"	MA-ES-64	Newburyport 0.4 NNW	3.0"
RI-PR-33	Greenville 0.7 NNW	5.9"	CT-FR-3	New Canaan 1.9 ENE	2.6"
CO-LR-273	FCL 2.2 NW	5.9"	CT-MD-25	Middlefield 0.6 SE	2.6"
CT-TL-2	Staffordville 0.4 NNW	5.7"	MA-BA-3	Falmouth 3.0 E	2.5"
MA-BR-8	Dighton 1.1 WSW	5.7"	CT-MD-23	Higganum 0.7 N	2.2"
MA-ES-12	Boxford 2.4 S	5.5"	CT-NL-10	Norwich 2.5 NNE	2.2"
CT-TL-27	Willington 2.7 SE	5.3"	CT-NL-19	Mystic 0.9 W	2.1"
RI-PR-50	Harrisville 1.2 SSE	5.3"	RI-WS-47	Westerly 0.8 WNW	2.1"
MA-MD-7	Winchester 0.7 SE	5.3"	RI-NW-18	Jamestown 0.3 SSE	2.1"
MA-ES-70	Newburyport 0.6 N	5.2"	CT-NL-24	Stonington 1.4 NNW	2.0"
RI-PR-51	North Smithfield 0.6 S	5.1"	CT-MD-21	Killingworth 2.6 ESE	1.9"
MA-HD-30	Hampden 2.0 NW	5.0"	CT-NL-29	East Lyme 0.5 SW	1.8"
CT-FR-41	Bethel 3.5 NNE	4.7"	CT-NL-6	New London 1.0 NNW	1.7"
MA-NF-1	Norwood 1.3 NW	4.7"	CT-NL-32	Niantic 1.1 SW	1.5"
MA-MD-42	Holliston 0.8 S	4.6"	NY-SF-114	Fishers Island 0.5 NE	1.5"
CT-HR-15	Southington 3.0 E	4.5"	MA-BA-45	Sandwich 0.9 NNE	1.0"
RI-PR-28	North Smithfield 0.7 SE	4.5"			

January 2021 as a calendar. Bright magenta for the highest number of reports. Green for the lowest number of reports.

397 Reports per Day was our record reporting average for December.

January 2021

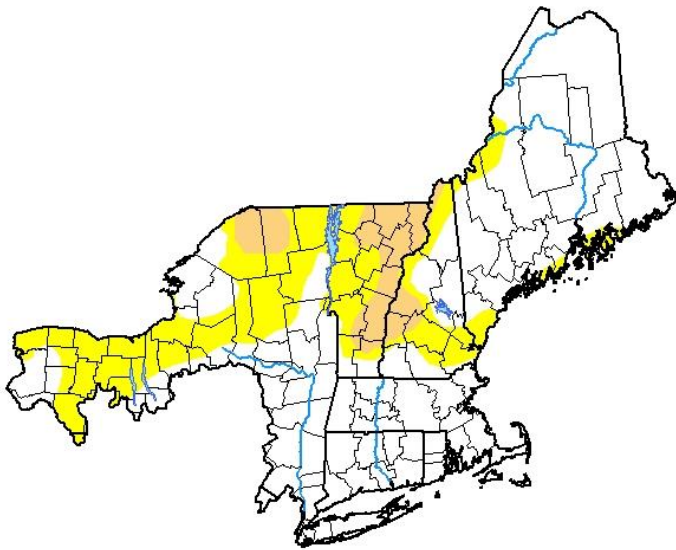
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					400 ¹	419 ²
398 ³	414 ⁴	397 ⁵	400 ⁶	401 ⁷	398 ⁸	400 ⁹
400 ¹⁰	398 ¹¹	401 ¹²	390 ¹³	398 ¹⁴	409 ¹⁵	427 ¹⁶
408 ¹⁷	396 ¹⁸	397 ¹⁹	403 ²⁰	398 ²¹	392 ²²	389 ²³
388 ²⁴	386 ²⁵	392 ²⁶	404 ²⁷	384 ²⁸	387 ²⁹	384 ³⁰
361 ³¹						

Not much of a change here in the past month. Continue to report the conditions where you are.

Every drop counts and zeros do too!

U.S. Drought Monitor Northeast RFC

February 9, 2021
(Released Thursday, Feb. 11, 2021)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	66.89	25.45	7.66	0.00	0.00	0.00
Last Week <i>02-02-2021</i>	66.25	24.70	9.05	0.00	0.00	0.00
3 Months Ago <i>11-10-2020</i>	16.54	30.25	44.74	7.31	1.16	0.00
Start of Calendar Year <i>12-29-2020</i>	67.55	25.31	7.14	0.00	0.00	0.00
Start of Water Year <i>09-29-2020</i>	5.16	22.39	24.44	40.31	7.69	0.00
One Year Ago <i>02-11-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- None
- 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. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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U.S. Department of Agriculture



droughtmonitor.unl.edu

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

Wrap up

February is our driest of month of the year, with averages of precipitation around 3.5", not its usual 4" per month. February is usually our network's lowest reporting month of the year, because of the cold and snow.

Regardless of what you may think of the prediction of Groundhogs in early February, the Climate Prediction Center, located in College Park MD, updates their 6-10 day and 8-14-day outlooks, every day after 3PM. Their probability temperature forecasts continue to be reliable. We all know how variable precipitation can be, but the precipitation forecasts are good to use as a guide. Check out the variety of climate outlooks at <https://www.cpc.ncep.noaa.gov/> updated 7 days a week after 3PM.

Sunday, March 14th, marks the beginning of Daylight Saving Time. Spring forward! We set our clocks ahead one hour on the 2nd Sunday in March. Let's see if it happens again, and that is the odd and bizarre sight of snow cover while it is daylight at 7PM.

Even before the growing season begins, the first harvest of the year is coming to our New England states. Not from the ground, but from the trees, specifically the sugar maple trees. Once these cold days and nights give way to thawing days and freezing nights, the slightly sweet sap will start to flow, the harvest of sugar will begin, and the end of winter will be upon us.

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