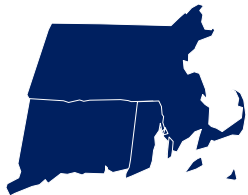


Community Collaborative Rain, Hail & Snow Network



# Southern



# New England

**April 2021**

Repeat! Rhode Island wins the Cup, again! We were able to win the trophy for the highest per capita recruiting during our annual recruiting drive in March. You have joined a great citizen science network. We look forward to you reporting soon.

Last March, we broke through 10,000 Daily Reports for the month for the first time. This March, we broke through 13,000 Daily Reports for the first time. Congratulations, all. In the past 12 months, we have grown by 30% in terms of reporting observers and in terms of Daily Reports.

Our special anniversary feature is for Rhode Island. More news items about zeros and hail reports. Bare ground has appeared in Plainfield MA, so spring is upon us and we can start putting our snow boards away. We could use the rain. And enjoy the daffodils and the other spring flowers as they bloom.

Patriots Day is coming. Joe's feature article is about the station that launches weather balloons at Chatham MA, at the elbow of Cape Cod. A good list of observers on our version of The "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.

### **4000 Daily Reports**

CT-WN-4      East Killingly 1.3 SW

### **3000 Daily Reports**

MA-BR-14      Dartmouth 2.5 SSW

### **2000 Daily Reports**

MA-BA-45      Sandwich 0.9 NNE  
MA-MD-52      Lexington 0.6 SW  
CT-FR-3        New Canaan 1.9 ENE

### **1000 Daily Reports**

MA-ES-22      Rockport 1.0 E  
MA-BR-55      NWS Boston/Norton 2.5 ESE  
CT-HR-70      Canton 1.5 W  
CT-NL-40      Pawcatuck 1.8 SSE  
RI-PR-57      Cranston 1.2 SSE  
CT-NL-32      Niantic 1.1 SW  
MA-MD-107    Framingham 1.7 E

## **Chatham Upper Air Station**

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

For many years, the National Weather Service has operated an upper air station on Cape Cod in Chatham, Massachusetts. Twice per day, balloons launched with a radiosonde provide meteorologists with information about temperature, humidity, wind, and pressure through the atmosphere. This data is fed into computer models and is used in real time by meteorologists and others.

Over the past few years, erosion of the nearby bluff has accelerated at a rate where it is no longer feasible, or safe, to operate from that location. As a result, the station was forced to close on March 31 of this year and the buildings are slated for demolition sometime in April. Right now, the federal government is in the process of finding a new location, most likely on Cape Cod, where a new Upper Air station will be located, but that process may take one to two years.



*View of the Chatham Upper Air Station showing erosion of the bluff. (Photo: Bryce Williams)*

Will this loss of data significantly affect the quality of forecasts? To some degree it will, but overall, it should have minimal impact. While we will no longer have observations from Chatham they will be available from nearby locations (Albany, NY, Portland/Gray, ME, and Upton, NY). Computer models use thousands of upper air observations, so the loss of one data point will not have a significant impact. In fact, research has shown that the loss of satellite data has a far greater impact than that of upper air observations.



*Final upper air balloon launch in Chatham, MA on March 31, 2021. (Photo: Charles Orloff)*

## **News Items**

**Zeros:** Reports of zero precipitation ruled our locale, 73% of our states' Daily Reports for March. They also ruled across the entire network. Take a look at the map for [March 8<sup>th</sup>](#). Take a look at the map for [April 3<sup>rd</sup>](#). Both days are ranked #5 and #4 respectively for the highest % of reports that were zero, across the network, since Jan 2010, a span of over 4100 days.

Zeros dominated the month of March across the network, at nearly 65% of all Daily Reports, the 2<sup>nd</sup> highest month of percent zeros in March in our past 12 months of March, March 2010 – March 2021.

Zeros are important data. It states where precipitation did not occur. Reports of zero precipitation are valuable and help define our climate. Be a hero. Report your zeros.

**Hail Week:** The week of April 11 – April 17 is Hail Week in our network.



To put this topic in context: Hail is common in the middle part of our continent. Hail can be destructive, causing events \$1B of insured

damaged on our continent each year. Fortunately, that level of destruction does not happen in our locale. These spring months of April, May and June is when Hail is likely to occur, because of below freezing air temps at lower levels in our atmosphere.

Click on the Message of the Day this week and learn more about [Hail Week](#).

**SWE Mondays:** Thank you to all that participated in SWE Mondays, throughout the winter whether it was bare ground in January or snow cover in February. Rhode Island, Massachusetts and Connecticut, in that order, are network leaders, certainly USA leaders, for SWE Mondays.

Your year-round reporting of snow fall, snow depth and total SWE deserves and receives much of the credit.

## Observer Tips

**April is a CoCoRaHS month** Rain, Hail & Snow. We have all three of these occur within the month of April. Rain is the most common. With a convective thunderstorm, and low freezing levels in the atmosphere that can occur in the spring, we can get hail. With snow, well, we live in New England, so spring snow can happen in April as well.

If you observe Hail, please fill out and submit a Hail Report. Two reasons. The first, like a Significant Weather Report, Hail Reports are a real-time report that will alarm a forecasters workstation in a minute's time. The real-time report of hail, matters. The second, is to add your record to our one-of-a-kind Hail database.

Don't get hit or hurt.

Take a picture of the hailstones with a ruler or coins among them, for the visual aid as you fill out the Hail Report.

You do not need to build and deploy a hail pad. Not in this locale.



**Significant Weather Reports:** It is as easy to remember as 1-2-3. This real-time report only takes a minute to alarm at a forecaster's workstation.

- **1" or more of rain or snow in 1 hour or less.**
  - **2" or more of rain.**
  - **3" of new snow. (I hope not any longer.)**
  - **Flooding.**
  - **Change of precip type.**
  - **Snow total ( I hope not any longer. )**
- **Anything you feel is significant!**

**mPING app for Apple and Android:** We get the mixed bag of rain, snow and fog in our locale. mPING covers it all. Rain, Snow, look under "Reduced Visibility" to find Dense Fog. Use mPING to report precip type and reduced visibility... in real time.

## **Happy Anniversary, Rhode Island!**



April 1, 2008. Rhode Island is admitted to CoCoRaHS, the 30<sup>th</sup> state to join our network, and the first of the 6 New England states to join the network.

A happy 13<sup>th</sup> Anniversary to Rhode Island.

### **Rhode Island CoCoRaHS**

Comments by Joe DelliCarpini – Science & Operations Officer, NWS Norton MA

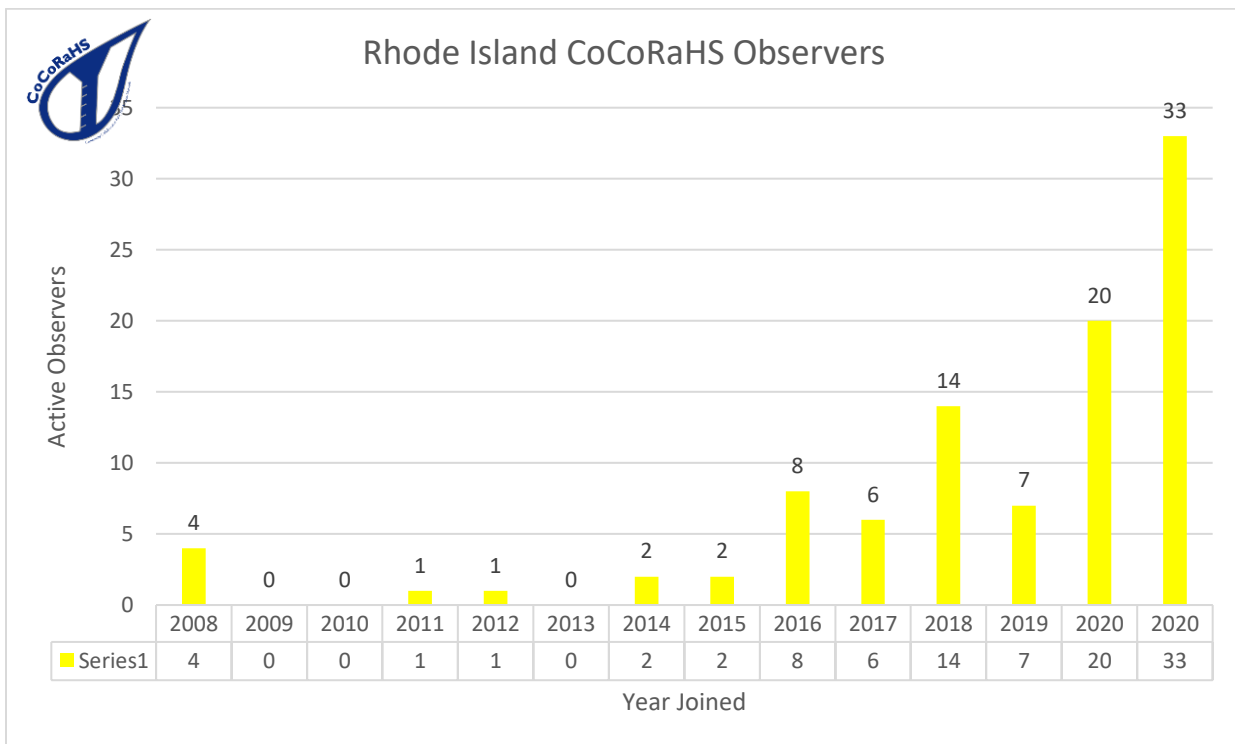
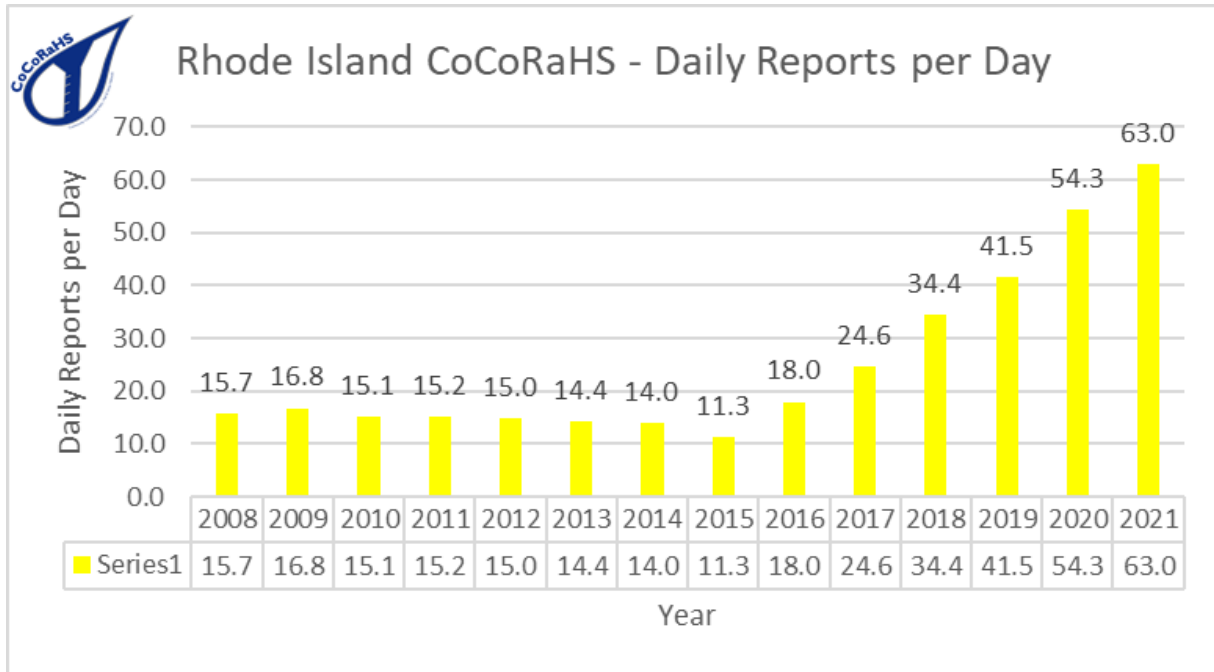
Back in 2007, Henry Reges, National Coordinator of CoCoRaHS (who himself has roots in southern New England) approached me about having Connecticut, Massachusetts, and Rhode Island join the expanding CoCoRaHS network, which was then rather sparse in the eastern third of the country. We decided to focus on Rhode Island first, since as a relatively small state that is covered by our NWS Office in Boston, it would be a good “test case” for the rest of the region. The proposed startup date would be April 1, 2008.

Fortunately, we had a long-standing partnership with the Rhode Island Water Resources Board and state Emergency Management Office, so they were a natural fit as partners with our office for CoCoRaHS. We were able to spread the word around the state that we were looking for volunteers to join CoCoRaHS and had over two dozen observers sign up in the first couple of months. Out of the original group of observers, four are still active today (RI-WS-1, RI-KN-2, RI-NW-4, RI-NW-5).

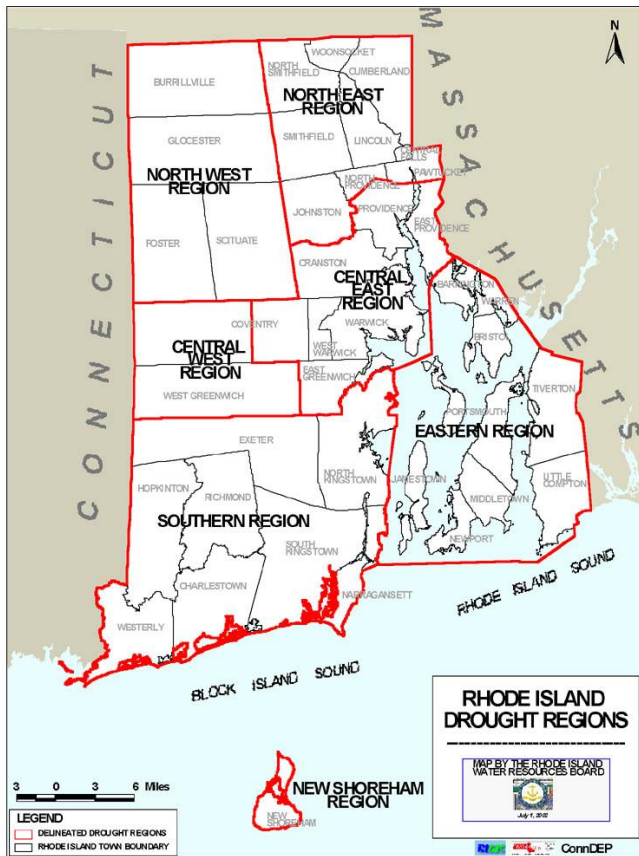
Rhode Island has won the CoCoRaHS Cup for per capita recruiting in March 2021. 67 new observers have signed up, and we hope as many of them start reporting as possible. Single month reporting records continued to be broken, as Rhode Island’s reporting surpasses Delaware’s.

Anniversaries are always a good time to pause and give thanks. I want to take this opportunity to thank everyone in our three states for your active participation in CoCoRaHS. Whether you report every day, every other day, once a week, or occasionally please know that your reports are

valuable and used by the National Weather Service, by the media, and by water resource officials!







Rhode Island is divided in these 7 regions.

**Rhode Island Precipitation**  
**National Weather Service Boston/Norton, MA**  
 Preliminary Precipitation Data (inches) by Drought Region  
 Past 12 to 36 months ending March 2021  
*Includes CoCoRaHS Data*

RI 1 month March 2021	Rainfall	Departure	Percent	Normal
Northwest	2.42	-3.03	44	5.45
Northeast	2.42	-2.60	48	5.02
Central West	3.16	-2.00	61	5.16
Central East	3.15	-1.86	63	5.01
Eastern	2.66	-3.02	47	5.68
Southern	3.23	-2.31	58	5.54
New Shoreham	2.99	-2.55	54	5.54

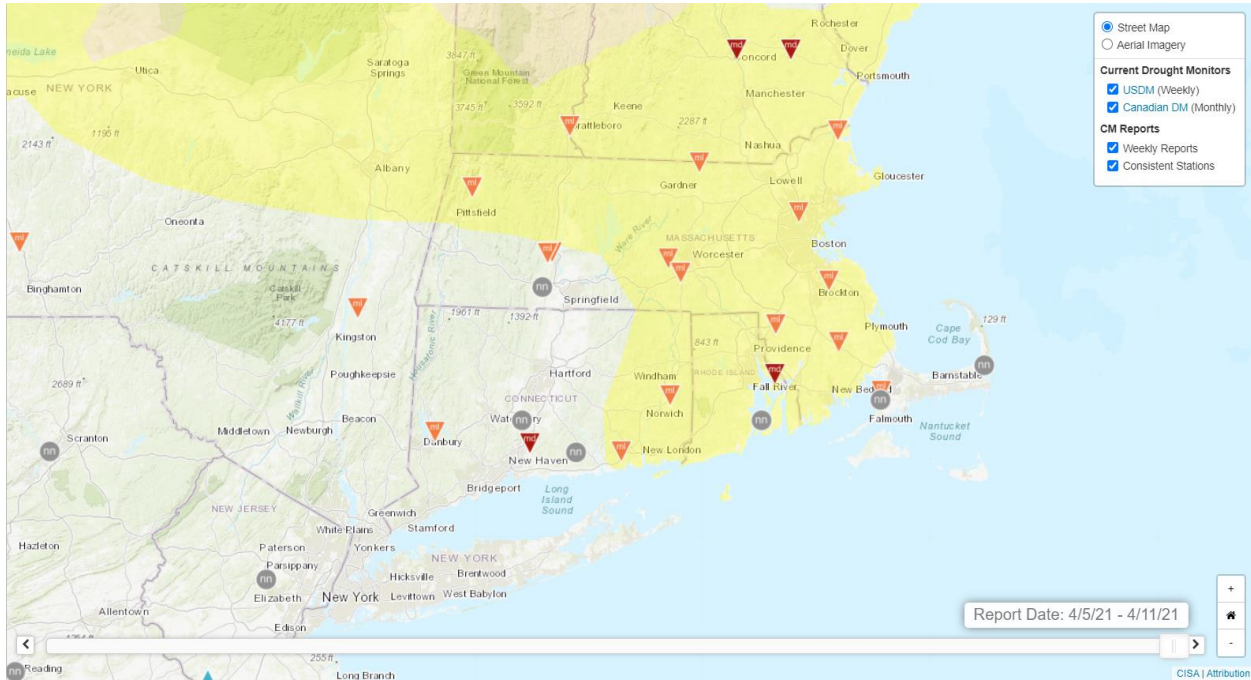
RI 2 month Feb-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	5.85	-3.56	62	9.41
Northeast	5.99	-2.58	70	8.57
Central West	6.91	-1.85	79	8.76
Central East	6.65	-1.65	80	8.30
Eastern	6.32	-3.13	67	9.45
Southern	7.53	-1.70	82	9.23
New Shoreham	9.83	0.60	107	9.23

Every month, your CoCoRaHS reports are looked at. Don't miss many or any days, and your precipitation total for the month is included into this report given to the State of Rhode Island.

It all right here in this [website](#).

**Condition Monitoring Reports:** What impacts are you seeing from the precipitation? Keep watch over conditions where you are!

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



**nn Jamestown 0.3 SSE**

Sat Apr 10 2021

There has not been any rain this week, but conditions are near normal. Grass has greened up and now is starting to grow. Forsythia have started to bloom and daffodils are going strong.

RI-NW-18 -- General Awareness, Plants And Wildlife

**nn Auburn 2.6 SW**

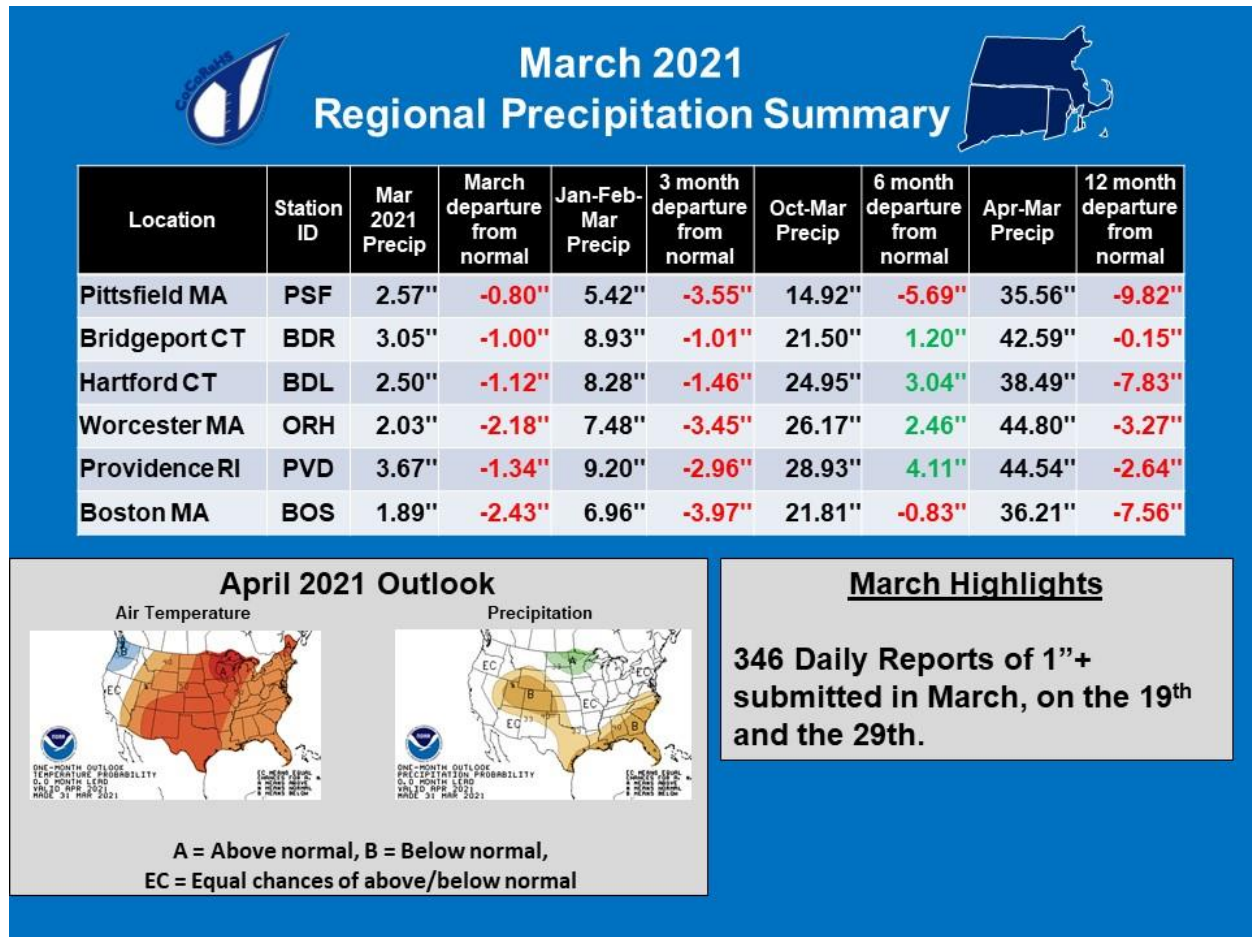
Sun Apr 11 2021

leaning closer to moderately dry again, no rain for nine days, .49 rain so far this month falling on the first two days of the month, multiple readings in the yard with soil moisture measurer show moisture level of 2 on a scale of one to 10, local streams noticeably lower than last sunday, woods very dry. Lots of sun and wind this past week.

MA-WR-41 -- General Awareness, Agriculture, Fire, Water Supply And Quality

# Detail and Summary for March 2021

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



Light rain to start the month of March on the 1<sup>st</sup> and the 2<sup>nd</sup>. Some small snowfall amounts in northern MA. A long stretch of zeros until the next event on the 17<sup>th</sup>. Snow across the middle of CT on the 19<sup>th</sup> with more than 1" along our south shores and some light snow on the Islands. Rain on the 25<sup>th</sup>, 26<sup>th</sup>, and again on the 29<sup>th</sup> with some areas getting more than 1"

Wind Advisories or stronger at the beginning, middle and end of the month. A Red Flag Warning on the 14<sup>th</sup>.

Bare ground first came to MA-HS-7 Plainfield by March 27<sup>th</sup>. Another season of snow depth measuring well done.

Take in the next section with appreciation of your efforts.

## From your reports for March 2021

Observers reporting	<b>538</b>
Reported all 31 days	287
Completed by Multi-Day Reports	19
Missing 1 or 2 reports	53
Daily Reports	<b>13,034</b>
Zero Reports	9,511
Non-Zero Reports	3,523
Daily Comments	2,464
Multi-Day Reports	97
Condition Monitoring Reports	110
Significant Weather Reports	3
Hail Reports	0
Snowfall Reports	11,045
Snow Depth Reports	4,961
Total SWE Reports	2,536
Highest Daily Report	1.79" from West Tisbury MA (MA-DK-9) on 3/19

Welcome new members to this list from Norwich CT, Arlington MA & Charlestown MA.

Cover all days in the month, no NA's, no overlapping Multi-Day reports and your station can be listed here. A low number of Multi-Day Reports made this list easy to put together.

This list is sorted by Watershed which is explained further in this 5 minute [video](#).

We are growing into 9 pages. Go ahead. Keep making this list even longer.

Watershed	Watershed Name	Station Number	Station Name	Precip
01070004	Nashua			
0107000401	North Nashua River	MA-WR-44	Westminster 0.6 WSW	1.85"
0107000401	North Nashua River	MA-WR-22	Fitchburg 2.0 NNE	1.77"
0107000402	Headwaters Nashua River	MA-WR-56	Sterling 4.3 NW	2.16"
0107000402	Headwaters Nashua River	MA-MD-25	Ayer 0.1 SW	1.46"
0107000403	Squannacook River	MA-MD-47	West Townsend 0.5 W	1.59"
01070005	Concord			
0107000501	Sudbury River	MA-MD-156	Marlborough 2.8 ENE	1.87"
0107000501	Sudbury River	MA-MD-89	Sudbury 3.6 W	1.92"
0107000501	Sudbury River	MA-MD-178	Framingham 2.0 NNE	1.85"
0107000501	Sudbury River	MA-MD-107	Framingham 1.7 E	1.89"
0107000502	Concord River	MA-WR-30	Shrewsbury 1.6 NNE	1.88"
0107000502	Concord River	MA-WR-28	Berlin 1.3 WSW	1.93"
0107000502	Concord River	MA-WR-18	Northborough 0.6 SSE	1.69"
0107000502	Concord River	MA-WR-42	Northborough 2.3 N	1.81"
0107000502	Concord River	MA-MD-115	Hudson 1.4 NW	1.84"
0107000502	Concord River	MA-WR-55	Harvard 2.1 S	1.56"
0107000502	Concord River	MA-MD-12	Acton 1.3 SW	1.80"
0107000502	Concord River	MA-MD-166	Acton 0.5 SW	1.64"
0107000502	Concord River	MA-MD-51	Maynard 0.7 ESE	1.79"
0107000502	Concord River	MA-MD-62	Chelmsford 1.2 E	1.46"
01070006	Merrimack River			
0107000612	Stony Brook - Merrimack River	MA-MD-104	Littleton 2.8 NNW	1.55"
0107000612	Stony Brook - Merrimack River	MA-ES-10	Andover 1.5 W	1.64"
0107000613	Shawsheen River	MA-MD-52	Lexington 0.6 SW	1.66"
0107000613	Shawsheen River	MA-ES-48	Andover 0.6 E	1.69"

0107000614	Powwow River - Merrimack River	MA-ES-66	North Andover 0.3 NW	1.20"
0107000614	Powwow River - Merrimack River	MA-ES-20	Haverhill 0.7 N	1.98"
0107000614	Powwow River - Merrimack River	MA-ES-4	Groveland 0.5 WSW	1.82"
0107000614	Powwow River - Merrimack River	MA-ES-61	Amesbury 2.6 WSW	2.00"
0107000614	Powwow River - Merrimack River	MA-ES-59	Amesbury 1.2 N	2.06"
0107000614	Powwow River - Merrimack River	MA-ES-68	Newburyport 1.3 WNW	2.06"
0107000614	Powwow River - Merrimack River	MA-ES-64	Newburyport 0.4 NNW	1.97"
0107000614	Powwow River - Merrimack River	MA-ES-70	Newburyport 0.6 N	2.06"
0107000614	Powwow River - Merrimack River	MA-ES-56	Newburyport 1.0 ESE	2.14"
01080201	Middle Connecticut			
0108020105	Green River	MA-FR-35	Bernardston 1.0 SW	2.18"
0108020106	Manhan River - Connecticut River	MA-HS-2	Westhampton 1.8 SW	2.42"
0108020106	Manhan River - Connecticut River	MA-HS-8	Williamsburg 1.2 WSW	2.16"
0108020106	Manhan River - Connecticut River	MA-HS-26	Easthampton 0.5 SW	2.09"
0108020106	Manhan River - Connecticut River	MA-HS-12	Northampton 0.4 S	1.98"
0108020106	Manhan River - Connecticut River	MA-FR-12	Sunderland 1.3 SE	2.03"
0108020106	Manhan River - Connecticut River	MA-FR-36	Montague 3.4 NNW	1.94"
0108020107	Batchelor Brook - Connecticut River	MA-HD-13	Springfield 4.1 W	2.59"
01080202	Miller			
0108020201	Upper Millers River	NH-CH-20	Rindge 3.2 ESE	1.46"
0108020202	Lower Millers River	MA-WR-40	Gardner 1.4 SSW	1.63"
01080203	Deerfield			
0108020303	North River	MA-FR-31	Colrain 3.7 WNW	2.23"
0108020303	North River	MA-FR-29	Colrain 0.8 WNW	1.07"
0108020305	Lower Deerfield River	MA-FR-17	Buckland 1.8 ESE	2.07"
0108020305	Lower Deerfield River	MA-FR-13	Conway 2.9 NW	1.97"
0108020305	Lower Deerfield River	MA-FR-25	Conway 2.7 NW	2.25"
0108020305	Lower Deerfield River	MA-FR-10	Conway 0.9 SW	2.09"
01080204	Chicopee			
0108020402	Ware River	MA-WR-54	Barre 1.4 NNE	2.05"
0108020403	Quaboag River	MA-WR-75	Warren 2.4 WSW	1.95"
0108020404	Chicopee River	MA-HD-25	Ludlow 2.3 SW	2.29"
01080205	Lower Connecticut			
0108020501	Mill River - Connecticut River	CT-HR-82	Suffield 0.5 NNE	2.52"
0108020501	Mill River - Connecticut River	CT-HR-99	Suffield 3.6 ENE	2.54"
0108020501	Mill River - Connecticut River	CT-HR-57	Suffield Depot 3.3 NNE	2.52"
0108020501	Mill River - Connecticut River	MA-HD-33	Agawam 1.1 SSW	2.45"
0108020501	Mill River - Connecticut River	CT-HR-5	Enfield 1.5 SE	2.40"
0108020501	Mill River - Connecticut River	MA-HD-30	Hampden 2.0 NW	2.44"
0108020502	Scantic River	CT-TL-26	Broad Brook 2.6 ESE	2.32"
0108020502	Scantic River	CT-TL-35	Somersville 0.2 ENE	2.40"

0108020502	Scantic River	MA-HD-32	East Longmeadow 2.3 ESE	2.53"
0108020502	Scantic River	CT-TL-41	Somers 0.3 S	2.39"
0108020502	Scantic River	CT-TL-15	Central Somers 0.3 N	2.19"
0108020503	Park River	CT-HR-39	Farmington 1.6 SW	2.81"
0108020503	Park River	CT-HR-104	West Hartford 1.1 S	2.50"
0108020504	Hockanum River	CT-HR-100	Manchester 0.4 ENE	2.31"
0108020504	Hockanum River	CT-TL-19	Vernon 2.8 N	2.31"
0108020505	Roaring Brook - Connecticut River	CT-HR-68	Rocky Hill 1.3 E	2.29"
0108020505	Roaring Brook - Connecticut River	CT-HR-22	East Hartford 1.3 E	2.57"
0108020506	Mattabesset River	CT-HR-15	Southington 3.0 E	2.59"
0108020506	Mattabesset River	CT-HR-80	Kensington 0.7 WSW	2.73"
0108020506	Mattabesset River	CT-HR-65	Newington 1.9 SSW	2.66"
0108020506	Mattabesset River	CT-MD-25	Middlefield 0.6 SE	3.31"
0108020507	Higganum Creek - Connecticut River	CT-MD-23	Higganum 0.7 N	3.42"
0108020507	Higganum Creek - Connecticut River	CT-MD-26	Higganum 0.8 NE	3.26"
0108020509	Eightmile River - Connecticut River	CT-MD-18	Essex Village 0.9 S	3.13"
0108020509	Eightmile River - Connecticut River	CT-NL-44	Old Lyme 0.5 W	2.75"
01080206	Westfield			
0108020601	Headwaters Westfield River	MA-HS-7	Plainfield 2.2 SW	2.36"
0108020601	Headwaters Westfield River	MA-HS-14	Plainfield 2.4 ESE	2.25"
0108020603	Outlet Westfield River	MA-HD-31	Westfield 1.6 SSW	2.35"
0108020603	Outlet Westfield River	CT-HR-88	Suffield Depot 6.0 WNW	2.80"
0108020603	Outlet Westfield River	MA-HD-28	Westfield 2.8 SE	2.52"
01080207	Farmington			
0108020702	West Branch Farmington River	CT-LT-43	Winsted 3.8 ESE	2.58"
0108020702	West Branch Farmington River	CT-LT-18	New Hartford Center 1.5 N	2.50"
0108020704	Headwaters Farmington River	CT-LT-9	New Hartford Center 3.2 SW	2.28"
0108020704	Headwaters Farmington River	CT-HR-70	Canton 1.5 W	2.09"
0108020704	Headwaters Farmington River	CT-HR-71	Bristol 2.7 NNE	2.52"
0108020704	Headwaters Farmington River	CT-HR-28	North Canton 0.8 SSW	2.59"
0108020705	Salmon Brook	CT-HR-8	North Granby 1.3 ENE	2.79"
01090001	Charles			
0109000101	Plum Island Sound - Frontal Atlantic Ocean	MA-ES-19	West Newbury 1.8 SSE	2.02"
0109000101	Plum Island Sound - Frontal Atlantic Ocean	MA-ES-46	Georgetown 1.3 ENE	1.98"
0109000101	Plum Island Sound - Frontal Atlantic Ocean	MA-ES-24	Newburyport 0.8 SW	1.92"
0109000102	Ipswich River	MA-MD-85	Wilmington 2.2 WNW	1.58"
0109000102	Ipswich River	MA-MD-125	Tewksbury 3.6 SSE	1.73"
0109000102	Ipswich River	MA-MD-45	Wilmington 1.5 NE	1.63"
0109000102	Ipswich River	MA-MD-160	Reading 1.2 N	1.71"
0109000102	Ipswich River	MA-ES-58	Middleton 1.4 SSW	1.95"
0109000102	Ipswich River	MA-ES-12	Boxford 2.4 S	1.85"

0109000102	Ipswich River	MA-ES-71	Danvers 2.5 NNE	1.82"
0109000103	Essex River - Frontal Atlantic Ocean	MA-ES-41	Danvers 0.8 ESE	1.97"
0109000104	Saugus River - Frontal Broad Sound	MA-MD-81	Wakefield 0.5 NNW	0.97"
0109000104	Saugus River - Frontal Broad Sound	MA-MD-126	Melrose 0.5 NE	1.66"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-123	Lexington 1.3 SE	1.72"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-175	Arlington 0.4 WNW	1.85"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-176	Arlington 0.2 SW	1.80"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-7	Winchester 0.7 SE	1.64"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-44	Medford 1.2 W	1.73"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-11	Cambridge 0.9 NNW	1.76"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-170	Somerville 0.5 W	1.61"
0109000105	Mystic River - Frontal Boston Harbor	MA-SF-30	Charlestown 0.4 SSE	1.80"
0109000105	Mystic River - Frontal Boston Harbor	MA-SF-10	Chelsea 0.8 N	1.92"
0109000106	Upper Charles River	MA-WR-1	Milford 2.3 NNW	1.89"
0109000106	Upper Charles River	MA-MD-55	Holliston 0.7 W	1.90"
0109000106	Upper Charles River	MA-MD-42	Holliston 0.8 S	1.83"
0109000106	Upper Charles River	MA-NF-62	Franklin 1.4 SW	1.75"
0109000106	Upper Charles River	MA-MD-158	Sherborn 1.1 NW	1.82"
0109000106	Upper Charles River	MA-NF-63	Norfolk 1.1 W	1.71"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-120	Natick 1.9 NNE	1.90"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-80	Lincoln 1.5 SW	1.67"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-71	Newton 2.2 NNW	1.33"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-119	Watertown 1.1 W	1.77"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-134	Somerville 0.5 SSE	1.67"
0109000108	Neponset River - Frontal Boston Harbor	MA-NF-1	Norwood 1.3 NW	1.75"
0109000108	Neponset River - Frontal Boston Harbor	MA-NF-54	Quincy 1.2 W	1.83"
0109000109	Whitmans Pond - Frontal Boston Harbor	MA-NF-39	Weymouth 2.3 N	1.68"
0109000109	Whitmans Pond - Frontal Boston Harbor	MA-PL-36	Hingham 0.8 ESE	1.59"
01090002	Cape Cod			
0109000201	North River - Frontal Massachusetts Bay	MA-PL-57	Hanson 1.8 N	1.86"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-5	Kingston 3.3 WNW	2.24"
0109000202	Cape Cod	MA-BA-2	Falmouth 3.1 NNW	3.03"
0109000202	Cape Cod	MA-BA-57	Falmouth 5.7 N	2.93"
0109000202	Cape Cod	MA-BA-87	Falmouth 1.5 NNW	2.84"
0109000202	Cape Cod	MA-BA-13	Falmouth 0.6 NNW	3.17"
0109000202	Cape Cod	MA-BA-50	Falmouth 5.4 NNE	2.75"
0109000202	Cape Cod	MA-BA-17	East Falmouth 1.2 WNW	2.88"
0109000202	Cape Cod	MA-BA-46	East Falmouth 0.2 ESE	2.90"
0109000202	Cape Cod	MA-BA-3	Falmouth 3.0 E	3.02"
0109000202	Cape Cod	MA-BA-11	East Falmouth 1.4 ESE	2.41"
0109000202	Cape Cod	MA-BA-83	Mashpee 2.5 W	3.16"



0109000202	Cape Cod	MA-BA-18	Waquoit 0.6 SSW	2.84"
0109000202	Cape Cod	MA-BA-47	Mashpee 2.4 WSW	3.00"
0109000202	Cape Cod	MA-BA-45	Sandwich 0.9 NNE	2.65"
0109000202	Cape Cod	MA-BA-64	Sandwich 1.5 SSE	2.98"
0109000202	Cape Cod	MA-BA-79	Mashpee 0.8 SSW	3.16"
0109000202	Cape Cod	MA-BA-78	Mashpee 4.6 S	3.15"
0109000202	Cape Cod	MA-BA-59	Barnstable 3.6 W	3.33"
0109000202	Cape Cod	MA-BA-60	Hyannis 0.7 WNW	2.69"
0109000202	Cape Cod	MA-BA-76	Barnstable 0.7 NE	2.90"
0109000202	Cape Cod	MA-BA-22	Yarmouth 0.9 NNW	2.72"
0109000202	Cape Cod	MA-BA-72	Yarmouth 2.0 S	2.80"
0109000202	Cape Cod	MA-BA-77	South Dennis 1.0 NW	2.89"
0109000202	Cape Cod	MA-BA-52	Truro 0.8 E	2.49"
0109000202	Cape Cod	MA-BA-27	Wellfleet 0.7 NW	2.15"
0109000202	Cape Cod	MA-BA-68	Eastham 1.9 WSW	2.71"
0109000202	Cape Cod	MA-BA-42	Orleans 1.8 S	2.72"
0109000202	Cape Cod	MA-BA-51	Orleans 3.0 S	3.21"
0109000202	Cape Cod	MA-BA-30	Eastham 0.6 SW	2.83"
0109000203	Mattapoisett River - Frontal Buzzards Bay	MA-PL-52	Plymouth 10.6 SSE	2.64"
0109000204	Paskamanset River - Frontal Buzzards Bay	MA-BR-14	Dartmouth 2.5 SSW	2.80"
0109000204	Paskamanset River - Frontal Buzzards Bay	MA-BR-52	New Bedford 4.3 N	2.36"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-5	Little Compton 1.7 NW	2.77"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-17	Tiverton 4.4 SSE	2.78"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-7	Little Compton 0.6 E	2.93"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	MA-BR-37	Westport 0.9 ESE	2.88"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-21	Chilmark 0.9 E	3.02"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-5	West Tisbury 2.9 N	3.43"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-2	Vineyard Haven 0.8 WSW	3.03"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-18	Oak Bluffs 0.1 SW	3.13"
01090003	Blackstone			
0109000301	Upper Blackstone River	MA-WR-41	Auburn 2.6 SW	1.96"
0109000301	Upper Blackstone River	MA-WR-43	Leicester 2.4 ESE	1.80"
0109000301	Upper Blackstone River	MA-WR-81	Worcester 1.6 SE	1.86"
0109000301	Upper Blackstone River	MA-WR-70	Grafton 1.5 W	2.01"
0109000302	Lower Blackstone River	RI-PR-50	Harrisville 1.2 SSE	2.09"
0109000302	Lower Blackstone River	MA-WR-90	Upton 0.4 NE	2.04"
0109000302	Lower Blackstone River	RI-PR-28	North Smithfield 0.7 SE	2.06"
0109000302	Lower Blackstone River	RI-PR-89	Woonsocket 1.8 WNW	2.01"
0109000302	Lower Blackstone River	RI-PR-45	Manville 0.4 WSW	2.28"
01090004	Narragansett			
0109000401	Upper Taunton River	MA-NF-31	Stoughton 1.2 E	2.06"

0109000401	Upper Taunton River	MA-PL-15	Abington 1.2 NNE	1.69"
0109000401	Upper Taunton River	MA-PL-60	Abington 1.7 ESE	1.98"
0109000402	Middle Taunton River	MA-PL-31	Bridgewater 1.8 SE	2.09"
0109000403	Threemile River	MA-NF-19	Foxborough 1.8 SSW	2.13"
0109000403	Threemile River	MA-BR-55	NWS Boston/Norton 2.5 ESE	2.26"
0109000404	Ten Mile River	MA-BR-23	Attleboro 0.9 ENE	2.22"
0109000405	Wonnasquatucket River-Moshassuck River	RI-PR-33	Greenville 0.7 NNW	2.26"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-51	North Smithfield 0.6 S	2.10"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-82	Providence 1.6 NNW	2.66"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-53	Providence 1.7 N	2.68"
0109000406	Pawtuxet River	RI-KN-21	Coventry 1.9 NE	2.92"
0109000406	Pawtuxet River	RI-PR-71	Cranston 1.3 N	2.61"
0109000406	Pawtuxet River	RI-PR-57	Cranston 1.2 SSE	2.91"
0109000406	Pawtuxet River	RI-PR-44	Cranston 4.2 ENE	2.81"
0109000407	Palmer River	RI-BR-11	Bristol 2.0 NNW	2.71"
0109000407	Palmer River	MA-BR-2	Rehoboth 2.1 N	2.71"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-61	Mansfield 2.4 ENE	2.17"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-3	Norton 1.8 NNE	2.31"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-16	Somerset 0.4 SSE	2.44"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-64	Somerset 0.8 NE	2.48"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-58	Dighton 3.3 NNW	2.44"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-8	Dighton 1.1 WSW	2.48"
0109000409	Narragansett Bay	RI-WS-50	North Kingstown 3.1 NW	3.55"
0109000409	Narragansett Bay	RI-WS-31	Kingston 7.5 NNE	3.10"
0109000409	Narragansett Bay	RI-KN-15	Warwick 4.3 SSW	3.20"
0109000409	Narragansett Bay	RI-WS-66	Narragansett 2.9 N	3.21"
0109000409	Narragansett Bay	RI-KN-2	East Greenwich 2.3 ESE	3.01"
0109000409	Narragansett Bay	RI-KN-23	Warwick 3.2 NNE	3.02"
0109000409	Narragansett Bay	RI-KN-31	Warwick 0.8 ENE	3.26"
0109000409	Narragansett Bay	RI-PR-67	Providence 1.6 NE	2.48"
0109000409	Narragansett Bay	RI-PR-84	Providence 2.7 NNE	2.67"
0109000409	Narragansett Bay	RI-NW-18	Jamestown 0.3 SSE	2.80"
0109000409	Narragansett Bay	RI-BR-5	Barrington 1.3 WNW	3.29"
0109000409	Narragansett Bay	RI-NW-27	Newport 1.3 SW	2.72"
0109000409	Narragansett Bay	RI-NW-4	Middletown 1.1 SW	1.84"
0109000409	Narragansett Bay	RI-NW-19	Portsmouth 2.3 S	2.38"
0109000409	Narragansett Bay	RI-NW-16	Portsmouth 1.3 S	2.62"
0109000409	Narragansett Bay	MA-BR-63	Swansea 2.1 W	2.68"
0109000409	Narragansett Bay	RI-NW-28	Portsmouth 3.7 NNE	2.54"
0109000409	Narragansett Bay	RI-NW-20	Tiverton 1.0 SSW	2.60"
01090005	Pawcatuck-Wood			

0109000501	Wood River	RI-WS-1	Hope Valley 3.7 S	3.42"
0109000502	Upper Pawcatuck River	RI-WS-46	Westerly 3.4 E	3.00"
0109000502	Upper Pawcatuck River	RI-WS-51	Richmond 2.4 SSE	3.29"
0109000502	Upper Pawcatuck River	RI-WS-42	Richmond 4.6 NNE	3.44"
0109000502	Upper Pawcatuck River	RI-WS-37	Kingston 2.4 SW	2.68"
0109000503	Lower Pawcatuck River	CT-NL-40	Pawcatuck 1.8 SSE	3.38"
0109000503	Lower Pawcatuck River	RI-WS-30	Westerly 2.4 NNW	3.69"
0109000503	Lower Pawcatuck River	RI-WS-47	Westerly 0.8 WNW	3.33"
0109000504	Frontal Block Island Sound	RI-WS-36	Charlestown 3.0 WSW	3.11"
0109000504	Frontal Block Island Sound	RI-WS-58	Kingston 0.3 SW	3.18"
0109000504	Frontal Block Island Sound	RI-WS-55	Wakefield 0.8 ENE	3.23"
01100001	Quinebaug			
0110000102	French River	MA-WR-88	Leicester 2.5 WSW	1.97"
0110000102	French River	MA-WR-68	Oxford 0.9 SSW	2.14"
0110000103	Fivemile River	CT-WN-4	East Killingly 1.3 SW	2.41"
0110000105	Moosup River	CT-WN-8	Moosup 1.7 NE	3.17"
0110000105	Moosup River	RI-KN-14	Greene 1.4 E	2.88"
0110000106	Pachaug River	CT-NL-21	Griswold 0.9 N	2.96"
01100002	Shetucket			
0110000201	Willimantic River	CT-TL-18	Hebron 5.3 NW	2.81"
0110000201	Willimantic River	CT-TL-40	Coventry 0.3 NNE	2.67"
0110000201	Willimantic River	CT-TL-24	Stafford Springs 0.8 NE	2.19"
0110000201	Willimantic River	CT-TL-2	Staffordville 0.4 NNW	2.17"
0110000202	Natchaug River	CT-TL-27	Willington 2.7 SE	2.70"
0110000202	Natchaug River	CT-TL-30	Mansfield Center 2.7 NE	2.89"
0110000202	Natchaug River	CT-WN-12	Eastford 2.0 W	2.51"
0110000203	Shetucket River	CT-WN-10	South Windham 1.3 NNE	2.88"
0110000203	Shetucket River	CT-NL-10	Norwich 2.5 NNE	3.28"
01100003	Thames			
0110000302	Thames River-Frontal New London Harbor	CT-NL-5	Oakdale 2.6 WNW	3.69"
0110000302	Thames River-Frontal New London Harbor	CT-NL-6	New London 1.0 NNW	3.27"
0110000302	Thames River-Frontal New London Harbor	CT-NL-56	Norwich 5.2 SE	2.92"
0110000302	Thames River-Frontal New London Harbor	CT-NL-50	Norwich 5.4 SE	3.16"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-38	Old Lyme 3.4 ESE	2.89"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-29	East Lyme 0.5 SW	3.32"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-32	Niantic 1.1 SW	2.79"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-22	Central Waterford 2.7 SSW	2.98"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-37	Mystic 1.6 W	3.73"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-19	Mystic 0.9 W	3.69"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-24	Stonington 1.4 NNW	3.82"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-18	Stonington 0.5 NNE	3.64"

01100004	Quinnipiac			
0110000401	Quinnipiac River	CT-NH-14	Prospect 1.9 ENE	2.75"
0110000401	Quinnipiac River	CT-HR-55	Southington 1.7 WNW	2.66"
0110000401	Quinnipiac River	CT-HR-83	Plainville 1.7 SW	2.74"
0110000401	Quinnipiac River	CT-HR-23	Southington 0.9 SSE	2.69"
0110000401	Quinnipiac River	CT-HR-76	Southington 1.0 ENE	2.39"
0110000401	Quinnipiac River	CT-NH-78	Wallingford 2.0 W	3.17"
0110000401	Quinnipiac River	CT-NH-44	Wallingford Center 1.9 WNW	3.16"
0110000401	Quinnipiac River	CT-NH-43	Wallingford Center 3.3 NNW	3.11"
0110000401	Quinnipiac River	CT-NH-75	Meriden 2.8 WSW	3.09"
0110000401	Quinnipiac River	CT-NH-42	Wallingford Center 1.1 N	3.07"
0110000401	Quinnipiac River	CT-NH-72	Northford 0.8 SW	3.85"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-21	East Haven 3.5 SSW	2.81"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-60	Branford Center 1.9 SSW	2.49"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-56	Guilford Center 2.7 WSW	3.01"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-50	Madison Center 4.1 N	3.32"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-MD-32	Killingworth 1.1 N	3.54"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-MD-21	Killingworth 2.6 ESE	3.14"
0110000403	Mill River - Frontal Long Island Sound	CT-NH-57	New Haven 2.9 NNW	3.58"
01100005	Housatonic			
0110000501	Headwaters Housatonic River	MA-BE-11	Great Barrington 3.0 N	2.27"
0110000502	Williams River - Housatonic River	MA-BE-23	Sheffield 1.6 NW	2.46"
0110000503	Konkapot River-Housatonic River	CT-LT-28	Canaan 4.2 ESE	2.10"
0110000504	Macedonia Brook - Housatonic River	CT-LT-20	Warren 2.4 WNW	2.36"
0110000506	Candlewood Lake-Housatonic River	CT-LT-22	New Milford 5.3 SSW	2.40"
0110000508	Still River - Housatonic River	CT-FR-43	Bethel 0.5 E	2.34"
0110000508	Still River - Housatonic River	CT-FR-41	Bethel 3.5 NNE	2.31"
0110000508	Still River - Housatonic River	CT-FR-9	Brookfield 3.3 SSE	2.31"
0110000509	Pomperaug River	CT-LT-34	Woodbury Center 1.5 SSW	2.58"
0110000511	Headwaters Naugatuck River	CT-LT-33	Torrington 1.1 SSE	2.29"
0110000512	Outlet Naugatuck River	CT-LT-14	Watertown 0.5 S	2.48"
0110000512	Outlet Naugatuck River	CT-NH-67	Waterbury 1.3 WNW	3.36"
0110000512	Outlet Naugatuck River	CT-NH-45	Naugatuck 1.7 NNE	2.64"
0110000512	Outlet Naugatuck River	CT-NH-22	Prospect 0.5 SW	2.53"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-77	Shelton 2.3 WSW	2.68"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-23	Shelton 1.3 W	2.73"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-46	Stratford 0.2 ESE	3.12"
01100006	Saugatuck			
0110000601	Saugatuck River - Frontal Long Island Sound	CT-FR-58	Ridgefield 3.6 N	2.46"
0110000601	Saugatuck River - Frontal Long Island Sound	CT-FR-64	Bethel 4.5 SSE	2.58"
0110000601	Saugatuck River - Frontal Long Island Sound	CT-FR-31	Newtown 4.6 SSW	2.55"

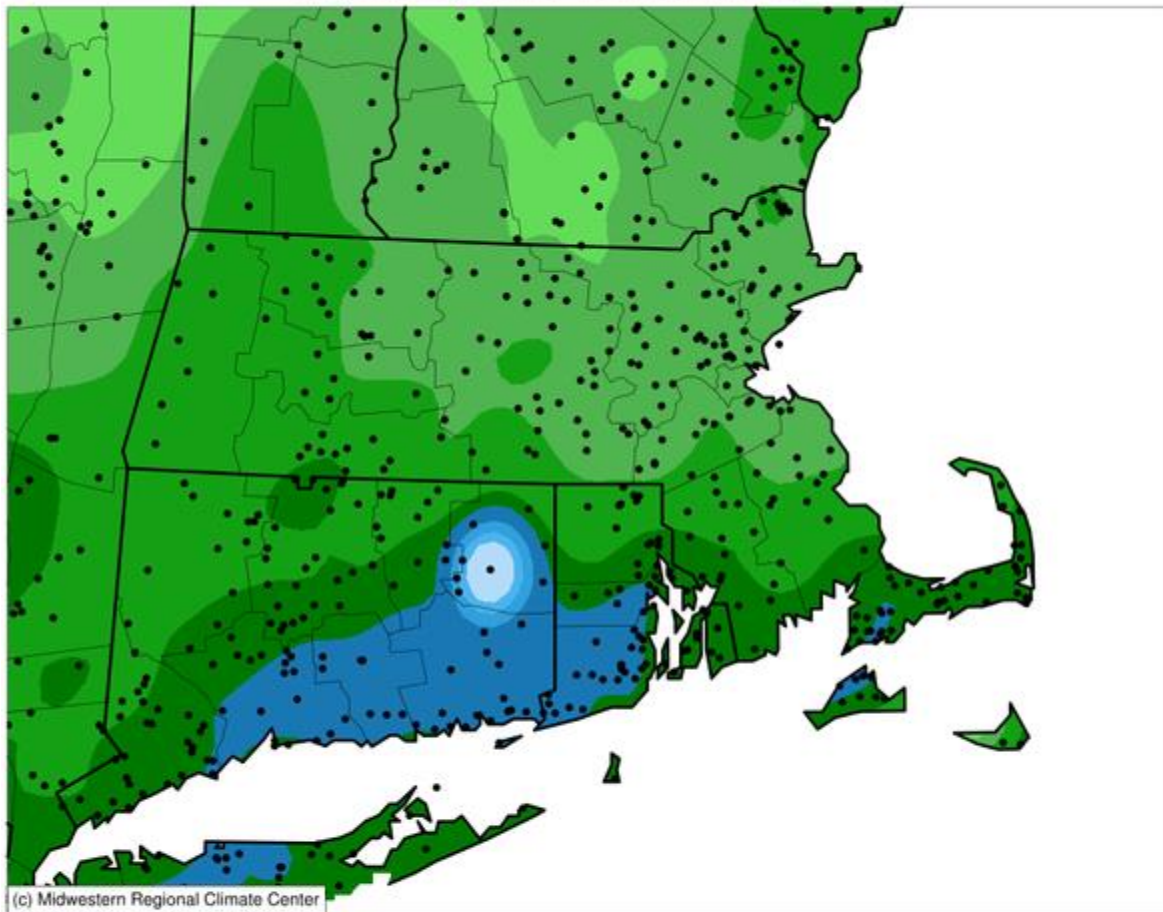
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-59	New Canaan 3.8 N	2.72"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-63	Wilton 1.9 NW	2.96"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-3	New Canaan 1.9 ENE	3.04"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-25	Norwalk 2.9 NNW	2.86"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-20	Westport 2.5 ENE	2.80"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-60	Fairfield 1.5 NE	3.00"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-32	Monroe 0.8 W	3.11"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-70	Bridgeport 2.9 NNW	3.04"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-67	Trumbull 1.2 S	3.06"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-26	Stratford 0.9 W	2.80"
0110000604	Mianus River-Rippowam River	CT-FR-39	Stamford 4.2 S	2.73"
0110000604	Mianus River-Rippowam River	CT-FR-83	Darien 2.4 NW	2.58"
0110000604	Mianus River-Rippowam River	CT-FR-35	Darien 1.8 ENE	2.42"
0110000604	Mianus River-Rippowam River	CT-FR-66	Norwalk 1.4 ENE	2.63"
02020003	Hudson-Hoosic			
0202000306	Upper Hoosic River	MA-BE-21	Cheshire 0.5 NNW	2.04"
02020006	Middle Hudson			
0202000603	Wynants Kill - Hudson River	NY-AB-21	NWS Albany	1.58"
02030203	Long Island Sound			
0203020300	Long Island Sound	NY-SF-114	Fishers Island 0.5 NE	3.33"

Blue color for more than 3” Green for less than 3”.

For the new observers: When you get started, measure and report every day. Do so for a few months. By doing so, the Climate Centers will pick up on your new station, and the dot of your station can and will appear on this map.

We watch the weather. We define the climate.

**Accumulated Precipitation (in)**  
March 01, 2021 to March 31, 2021



0.01 0.1 0.25 0.5 1 1.5 2 2.5 3 4 5 6 8

Stations from the following networks used: COOP, FAA, CoCoRaHS,

Midwestern Regional Climate Center

cli-MATE: MRCC Application Tools Environment

Generated at: 4/11/2021 7:41:03 PM CDT

**“We do not live at the airport”**

An average of 2.41” of precip in this list. Our list of complete stations averaged quite close this month at 2.47”

Compare your station precip total to your nearby airport. And do so each and every month throughout the year.

You will quickly find out that: Our network does not use automated gauges. And we do not live at the airport!

Location	Station ID	Mar 2021 Precip	Mar departure from normal	Jan-Feb-Mar Precip	3 month departure from normal	Oct-Mar Precip	6 month departure from normal	Apr-Mar Precip	12 month departure from normal
White Plains NY	HPN	2.18"	-2.34"	6.31"	-4.98"	16.70"	-7.29"	38.13"	-11.22"
Danbury CT	DXR	2.18"	-1.92"	5.61"	-4.62"	19.04"	-4.25"	41.42"	-8.45"
New Haven CT	HVN	2.83"	-1.46"	6.58"	-3.79"	18.15"	-4.00"	34.87"	-12.24"
Meriden CT	MMK	3.05"	-1.24"	8.19"	-2.18"	24.81"	2.66"	45.08"	-2.03"
Hartford CT	HFD	2.53"	-1.04"	6.95"	-2.42"	22.02"	1.32"	38.00"	-5.60"
Willimantic CT	IJD	2.14"	-2.28"	5.25"	-5.60"	18.91"	-4.97"	35.86"	-12.56"
New London CT	GON	4.33"	0.17"	9.39"	-0.90"	24.52"	2.33"	37.01"	-9.48"
Westerly RI	WST	2.72"	-2.11"	6.58"	-4.64"	21.75"	-1.67"	35.20"	-12.19"
Newport RI	UUU	2.72"	-1.80"	7.61"	-3.69"	24.27"	0.91"	37.66"	-8.67"
New Bedford MA	EWB	2.55"	-2.33"	7.95"	-4.53"	20.65"	-4.58"	29.29"	-19.07"
Hyannis MA	HYA	2.50"	-2.47"	7.95"	-4.57"	21.40"	-3.99"	33.39"	-14.30"
Nantucket MA	ACK	0.00"	-4.25"	6.41"	-4.17"	20.68"	-2.05"	33.92"	-10.50"
Marthas Vineyard MA	MVY	3.04"	-1.54"	7.89"	-3.25"	19.90"	-3.70"	33.86"	-11.30"
Taunton MA	TAN	2.63"	-2.48"	7.95"	-4.70"	24.65"	-1.11"	41.12"	-8.62"
Plymouth MA	PYM	2.29"	-2.96"	10.97"	-1.57"	28.19"	2.52"	44.65"	-4.50"
Norwood MA	OWD	2.26"	-2.19"	7.91"	-3.22"	21.44"	-2.42"	45.24"	-1.82"
Bedford MA	BED	1.81"	-2.44"	6.47"	-4.26"	20.52"	-2.40"	34.07"	-11.64"
Lawrence MA	LWM	2.09"	-2.03"	5.16"	-4.63"	18.63"	-2.28"	37.14"	-6.02"
Fitchburg MA	FIT	1.72"	-2.66"	6.42"	-4.31"	20.42"	-2.56"	34.92"	-12.22"
Orange MA	ORE	3.07"	-0.41"	6.78"	-2.07"	17.77"	-1.96"	35.00"	-7.55"
Westfield MA	BAF	2.22"	-1.88"	6.36"	-3.83"	20.94"	-1.55"	37.68"	-10.71"
North Adams MA	AQW	2.08"	-1.47"	5.59"	-3.19"	15.90"	-4.96"	33.38"	-13.23"

## **Rulers of the Snow**

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

A single month record long list of 95 stations in March, plus a little extra with our friends, who reported snow fall and snow depth for all days.

Using the mobile app? Look at the 2<sup>nd</sup> 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	Mar 2021 Snowfall	Station	Name	Mar 2021 Snowfall
MA-WR-88	Leicester 2.5 WSW	0.7"	RI-PR-82	Providence 1.6 NNW	0.0"
MA-WR-41	Auburn 2.6 SW	0.5"	RI-PR-84	Providence 2.7 NNE	0.0"
CT-MD-25	Middlefield 0.6 SE	0.4"	RI-KN-14	Greene 1.4 E	0.0"
CT-MD-23	Higganum 0.7 N	0.3"	RI-KN-2	East Greenwich 2.3 ESE	0.0"
MA-BE-21	Cheshire 0.5 NNW	0.2"	RI-WS-37	Kingston 2.4 SW	0.0"
CT-LT-9	New Hartford Center 3.2 SW	0.2"	RI-WS-42	Richmond 4.6 NNE	0.0"
MA-MD-51	Maynard 0.7 ESE	0.2"	RI-WS-46	Westerly 3.4 E	0.0"
MA-NF-1	Norwood 1.3 NW	0.2"	RI-WS-47	Westerly 0.8 WNW	0.0"
NY-AB-21	NWS Albany	0.2"	RI-WS-55	Wakefield 0.8 ENE	0.0"
CT-NL-6	New London 1.0 NNW	0.1"	RI-NW-18	Jamestown 0.3 SSE	0.0"
MA-BR-3	Norton 1.8 NNE	0.1"	RI-NW-7	Little Compton 0.6 E	0.0"
MA-MD-42	Holliston 0.8 S	0.1"	RI-BR-5	Barrington 1.3 WNW	0.0"
CT-LT-22	New Milford 5.3 SSW	0.0"	MA-BR-23	Attleboro 0.9 ENE	0.0"
CT-LT-34	Woodbury Center 1.5 SSW	0.0"	MA-BR-55	NWS Boston/Norton 2.5 ESE	0.0"
CT-FR-25	Norwalk 2.9 NNW	0.0"	MA-BR-61	Mansfield 2.4 ENE	0.0"
CT-FR-3	New Canaan 1.9 ENE	0.0"	MA-BR-8	Dighton 1.1 WSW	0.0"
CT-FR-41	Bethel 3.5 NNE	0.0"	MA-MD-107	Framingham 1.7 E	0.0"
CT-FR-9	Brookfield 3.3 SSE	0.0"	MA-MD-12	Acton 1.3 SW	0.0"
CT-NH-57	New Haven 2.9 NNW	0.0"	MA-MD-125	Tewksbury 3.6 SSE	0.0"
CT-NH-72	Northford 0.8 SW	0.0"	MA-MD-156	Marlborough 2.8 ENE	0.0"
MA-FR-10	Conway 0.9 SW	0.0"	MA-MD-158	Sherborn 1.1 NW	0.0"
MA-FR-12	Sunderland 1.3 SE	0.0"	MA-MD-47	West Townsend 0.5 W	0.0"
MA-FR-13	Conway 2.9 NW	0.0"	MA-MD-52	Lexington 0.6 SW	0.0"
MA-FR-17	Buckland 1.8 ESE	0.0"	MA-MD-7	Winchester 0.7 SE	0.0"
MA-HD-25	Ludlow 2.3 SW	0.0"	MA-ES-12	Boxford 2.4 S	0.0"



MA-HD-28	Westfield 2.8 SE	0.0"	MA-ES-4	Groveland 0.5 WSW	0.0"
MA-HD-30	Hampden 2.0 NW	0.0"	MA-ES-41	Danvers 0.8 ESE	0.0"
CT-HR-8	North Granby 1.3 ENE	0.0"	MA-ES-48	Andover 0.6 E	0.0"
CT-TL-19	Vernon 2.8 N	0.0"	MA-ES-58	Middleton 1.4 SSW	0.0"
CT-TL-2	Staffordville 0.4 NNW	0.0"	MA-ES-61	Amesbury 2.6 WSW	0.0"
CT-TL-24	Stafford Springs 0.8 NE	0.0"	MA-ES-64	Newburyport 0.4 NNW	0.0"
CT-TL-27	Willington 2.7 SE	0.0"	MA-ES-70	Newburyport 0.6 N	0.0"
CT-TL-35	Somersville 0.2 ENE	0.0"	MA-ES-71	Danvers 2.5 NNE	0.0"
CT-TL-40	Coventry 0.3 NNE	0.0"	MA-NF-54	Quincy 1.2 W	0.0"
CT-MD-21	Killingworth 2.6 ESE	0.0"	MA-PL-15	Abington 1.2 NNE	0.0"
MA-WR-75	Warren 2.4 WSW	0.0"	MA-BA-11	East Falmouth 1.4 ESE	0.0"
CT-WN-4	East Killingly 1.3 SW	0.0"	MA-BA-17	East Falmouth 1.2 WNW	0.0"
CT-WN-8	Moosup 1.7 NE	0.0"	MA-BA-2	Falmouth 3.1 NNW	0.0"
CT-NL-19	Mystic 0.9 W	0.0"	MA-BA-3	Falmouth 3.0 E	0.0"
CT-NL-21	Griswold 0.9 N	0.0"	MA-BA-45	Sandwich 0.9 NNE	0.0"
CT-NL-24	Stonington 1.4 NNW	0.0"	MA-BA-46	East Falmouth 0.2 ESE	0.0"
CT-NL-29	East Lyme 0.5 SW	0.0"	MA-BA-50	Falmouth 5.4 NNE	0.0"
CT-NL-32	Niantic 1.1 SW	0.0"	MA-BA-51	Orleans 3.0 S	0.0"
CT-NL-40	Pawcatuck 1.8 SSE	0.0"	MA-BA-57	Falmouth 5.7 N	0.0"
RI-PR-28	North Smithfield 0.7 SE	0.0"	MA-BA-64	Sandwich 1.5 SSE	0.0"
RI-PR-33	Greenville 0.7 NNW	0.0"	MA-BA-76	Barnstable 0.7 NE	0.0"
RI-PR-44	Cranston 4.2 ENE	0.0"	MA-BA-77	South Dennis 1.0 NW	0.0"
RI-PR-45	Manville 0.4 WSW	0.0"	NY-SF-114	Fishers Island 0.5 NE	0.0"
RI-PR-51	North Smithfield 0.6 S	0.0"			

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

Quite the difference between the beginning of the month and the end of the month. Look at the 499 reports we submitted on March 29<sup>th</sup>! That's a single day record!

420 Reports per Day was is our new single month reporting average.

### March 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 398	2 380	3 375	4 378	5 385	6 383
7 380	8 393	9 395	10 397	11 402	12 405	13 398
14 407	15 411	16 414	17 419	18 424	19 466	20 427
21 427	22 429	23 432	24 441	25 493	26 473	27 446
28 450	29 499	30 454	31 453			

D0 is creeping into our area, after a dry January & March. Continue to report the conditions where you are.

Every drop counts and zeros do too!

## U.S. Drought Monitor Northeast RFC

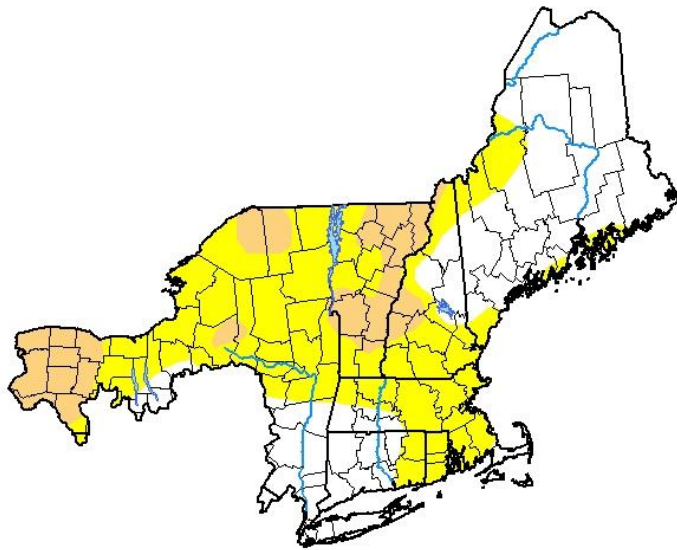
**April 6, 2021**

(Released Thursday, Apr. 8, 2021)

Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

	None	D0	D1	D2	D3	D4
<b>Current</b>	42.78	42.91	14.30	0.00	0.00	0.00
<b>Last Week</b> <i>03-30-2021</i>	48.12	40.61	11.27	0.00	0.00	0.00
<b>3 Months Ago</b> <i>01-05-2021</i>	65.84	27.02	7.14	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>12-29-2020</i>	67.55	25.31	7.14	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-29-2020</i>	5.16	22.39	24.44	40.31	7.69	0.00
<b>One Year Ago</b> <i>04-07-2020</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>

Author:

Deborah Bathke  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

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

## **Patriots Day**

The holiday in Massachusetts, commemorating the Battles of Lexington and Concord, occurs this month. Robert Newman lit two lanterns and climbed 154 steps to place them in the belfry of the Old North Church. Paul Revere and William Dawes took separate routes as they rode on horseback to warn of the British advance.

A year later, Thomas Jefferson drafted the Declaration of Independence. John Hancock signed his name to the Declaration so large that King George would have little difficulty seeing it without his spectacles.

Jefferson was a weather buff. He carried a thermometer with him to Philadelphia and recorded the temperature several times a day.

As CoCoRaHS observers, we do not have lanterns, horses, or large signatures. Our records may not be as meticulous as Jefferson's, although Jefferson would be impressed with our Water Year Summaries.

Like the Patriots during our American Revolution, we are all volunteers bounded together by a common cause. We are part of a citizen-science project that warns others in real time with Significant Weather Reports and Hail Reports. No lanterns to light or 154 steps to climb.

We measure and report rain, hail and snow on a daily basis through the internet for so many to see and to make good use of. No need to get on horseback to get the word out or to send two riders to make certain of it.

We can make relevant and insightful comments with any of our reports and with our Condition Monitoring Reports so that any King, Drought Monitor, River or Weather Forecaster can see and read easily, even on our new interactive map. Probably without wearing their spectacles!

As a part of Southern New England's CoCoRaHS, with whatever Patriot in mind that best fits your personality, press or click "Submit" on our reports with pride in our area's Patriot past.

## **Wrap up**

Welcome to all the new volunteers to our group. Start off small and grow from there. Make measuring and reporting part of your morning routine. There is always more to learn, and there are many more dimensions to our roles as observers. And if you have questions, want to know more why we do what we do, or how to do something, email is the best way to get a hold of a Coordinator.

April is starting out dry. Pay attention if we get three dry days in a row or do the spring rains keep us wet.

The upcoming WxTalk Webinar on Thursday May 6, at 1PM, is close to home for all of us. The topic is about the **“Mount Washington Observatory, ‘Home of the World’s Worst Weather’”**. Whether you spend 4 hours hiking up and 3 hours hiking down, take the Cog Railroad or get the bumper sticker and drive the Auto Road, Mount Washington NH makes a permanent impression upon those that make it to the summit, the top of the rock pile. The summer fog, the wind, the cold, all of your senses come alive on top of Mount Washington. Home of the strongest recorded wind gust at 231MPH, winter winds often surpass 100MPH at the summit. But we are a precipitation network, so find out how much more precipitation they receive on the summit of Mount Washington. They have a rain gauge at the top of their driveway, a similar location to what some of you have. So, find out what’s different about their rain gauge than yours. Catch the webinar, if you can.

SkyWarn classes will likely be virtual this Spring. Although not a requirement as a CoCoRaHS observer, it is recommended to attend a SkyWarn session at some point, if you can take in one. Please look at your local NWS Forecast Office’s website for dates and times.

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