



# Southern



# New England

**April 2018**

At last, April. The Groundhog is behind us and we would like to say “Good-bye” to the spring snows and welcome spring warmth and measure and report those soft Spring rains.

The growing season is upon us, with the outdoors and with our network. Among our 3 small states were able to recruit 87 new observers from January through March, and another 15 in this early part of April.

Welcome to all of the new members of our Community. From North Adams MA to Essex CT and Chester CT to Warren RI, we look forward to many of you reporting soon, as we continue to strive to have a reporting observer in every town among our 3 states.

It was remarkable to see the new observers join up and the spring snow comes and some of you filled out your first reports for snow and not rain. That was not the intention of March and April recruiting, but thank you for impressing all of us at the very beginning.

April is the 10<sup>th</sup> anniversary of Rhode Island coming into the network, so “Congratulations!” are in order for all of the observers within Rhode Island, from those who joined in the first year through all of those that joined this year. We are working towards having a reporting observer in every town and Rhode Island is getting closer to that goal.

To the new observers, we look forward to you getting your gauges and start the journey of organized curiosity, the measuring and reporting precipitation as it occurs throughout the year. As Coordinators, we are here to help and want to encourage all of you as much as possible.

To the seasoned observers, let's shake away the wind and the snow and the feet of snow measuring and of its liquid equivalent and resume the simple reading of the bottom of the meniscus of our inner cylinders.

Significant Weather Reports and Hail Reports are important and valued by our NWS offices. When heavy rain comes or hail stones fall, be safe, keep note of the start and stop times, and submit a Significant Weather Report or Hail Report as soon as safely possible. Within a minute of you pressing submit, an alert comes to a Forecaster's screen, and the details of what you sent is just a click away for the Forecaster to read.

Add another dimension to your reporting with New Snow and Total Snow Depth each day during these days of rain or shine. The habits you start now carry through the summer and into the winter season. We are very happy with the increases in snow reporting this winter and want to see them continue into next year. Be a hero. Continue to report zeros for New Snow and Total Snow Depth when you have none.

No drought... yet... but do get into the weekly, bi-monthly, or monthly habit of submitting a Condition Monitoring Report. We have a new added dimension to our participation in our network, and what we have to share is taken into the Drought Reporter as well as a Map of those reports.

Comments, Observation notes, that verify and clarify your report of precipitation are helpful to everyone in the network who raise an eyebrow of surprise to your report.

SkyWarn classes are available. If there is a class nearby, you are encouraged to attend. Look at BOX and ALY for details.

At the end of this newsletter is the essay on Patriots Day. Take the opportunity to read it at this time, and you and the rest of the network may see it again on Patriots Day!

On to the Grand List. A fine tribute to the leader at BOX. Let's begin.

## **The “Grand” List**

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

### **3000 Daily Reports**

CT-HR-6          Wethersfield 1.2 WSW  
CT-NH-9&16      Milford 1.8E

### **1000 Daily Reports**

MA-MD-51      Maynard 0.7 ESE

# **NWS Boston Meteorologist-In-Charge to Retire**

By Joe DelliCarpini – Science & Operations Officer, NWS Norton MA



**BOB THOMPSON RETIRES THIS MONTH AFTER 43 YEARS OF SERVICE WITH THE NATIONAL WEATHER SERVICE**

Bob Thompson, the Meteorologist-in-Charge (MIC) of the Boston National Weather Service (NWS) Forecast Office since 1989, will retire on April 27, 2018, after a very distinguished 43 years of service with the NWS. Not only is he renowned for his calm, cool, collected leadership style, but for his passion for working with customers and partners, his accurate forecasts, and his pioneering efforts toward establishing improved forecasting of coastal flood and rip current events here in southern New England.

He has been the supervisor for all the forecasters, electronics, and administrative staff (approximately 30 people). Prior to the move from Boston to Taunton in 1993, Bob managed the local Weather Service Offices (WSOs) in Worcester, Hartford, Providence, and Chatham. He oversaw the decommissioning of these WSO in the mid-1990s and the decommissioning of the radars at Chatham, Worcester, and Hartford as the Doppler Weather Radar became commissioned at the NWS in Taunton. Most recently, he oversaw the office move from Taunton to Norton last month.

Bob provided strong, yet very compassionate leadership to his staff. He would rather work a string of midnight shifts himself than have to turn down anyone's leave requests. Many of his former staff have progressed to high level positions within the NWS. For Bob, that is the ultimate compliment and he takes pride in knowing that he has helped people succeed in their careers.

One of the huge successes of Bob's tenure as MIC has been his engagement with all partners and customers. He has always preferred the personal touch - calling and speaking with emergency managers ahead of storms. He has conducted thousands of television, radio, and newspaper interviews and given many hundreds of outreach presentations to power

squadrons, civic organizations, and schools. Bob conducted countless hurricane awareness seminars throughout the region, since he often states that the hurricane threat, and public complacency, is the one thing that really keeps him up at night.

In many instances, Bob has led his staff to be the leaders in NWS programs. Bob significantly improved the coastal flooding program and its website visualization. He has met one-on-one with coastal emergency managers to develop a matrix of impact thresholds and this matrix is refined after every coastal storm. This has now become the NWS Eastern Region standard and is being accepted by NWS Southern Region. Bob established partnerships with Wheaton College and MNRI lifeguards to better predict rip currents. Real-time reports of rip currents and rescues were combined with a forecaster's study of offshore wave heights to develop a matrix to predict rip currents. The office also led efforts to develop Digital Aviation Services and Probabilistic Snowfall Forecasts, which is now utilized by all Eastern and Central Region WFOs and is being expanded nationwide. It is one of our most-used products, by emergency managers, the media, and the public.

Under Bob Thompson's leadership, the NWS Boston/Norton office has been very active in providing critical Decision Support Services for emergency managers. The office implemented the first dedicated "DSS Shift" in the NWS, which is now standard practice at many other offices.

Bob Thompson has led the office through many notable storms, some of which include Hurricane Bob (1991), "The Perfect Storm" (1991), December Nor'easter (1992), Record-setting seasonal snowfall (1995-1996), New England Ice Storm (1998), Tropical Storm Floyd (1999), January Blizzard (2005), Whittenton Pond Dam Crisis (2005), Major River Flooding (2010), Springfield/Monson MA Tornado (2011), Tropical Storm Irene (2011), "Snow'tober" (2011), Superstorm Sandy (2012), Revere, MA Tornado (2014), Winter Blitz - 108.6 inches! (2015), Severe Drought (2016-2017), Conway MA Tornado in February (2017), and Major Coastal Flooding/70-90+ mph Winds - Jan 4th & March 2nd (2018)

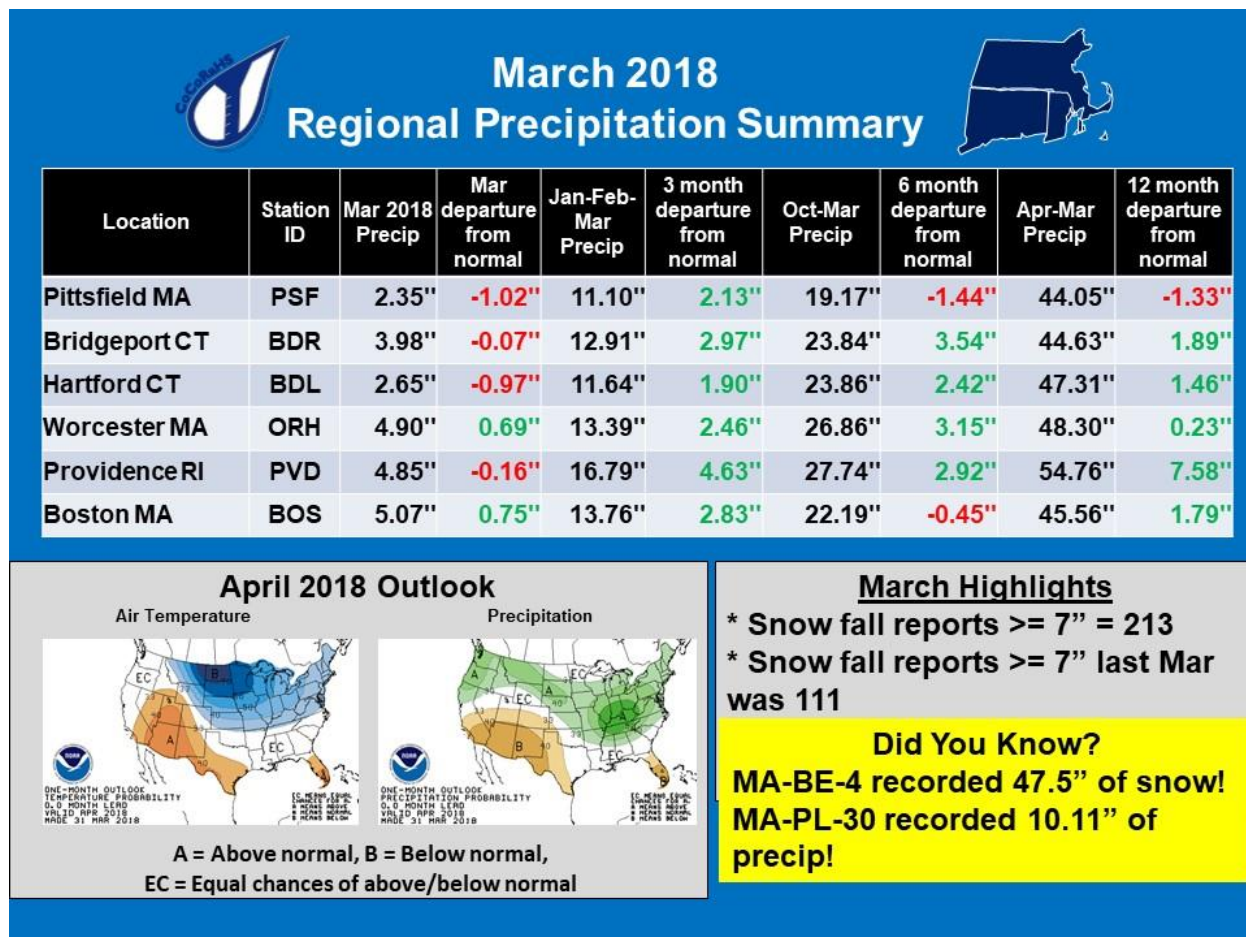
Prior to his 29 years as MIC in southern New England, Bob Thompson served as Meteorologist-in-Charge of the Reno, NV forecast office from 1986-1989, was the Verification Program Manager at NWS Headquarters

in Silver Spring, MD from 1983 -1986, and worked in other locations including Washington, DC, Anchorage, AK and Albany, NY.

We wish Bob well on his upcoming retirement! He plans to stay in the area and spend time hiking, skiing, and having time with family. Of course, we do plan to send him off with a rain gauge so he can join CoCoRaHS!

## **Detail and Summary for March 2018**

From the National Weather Service (NWS) Climate sites for Mar 2018.



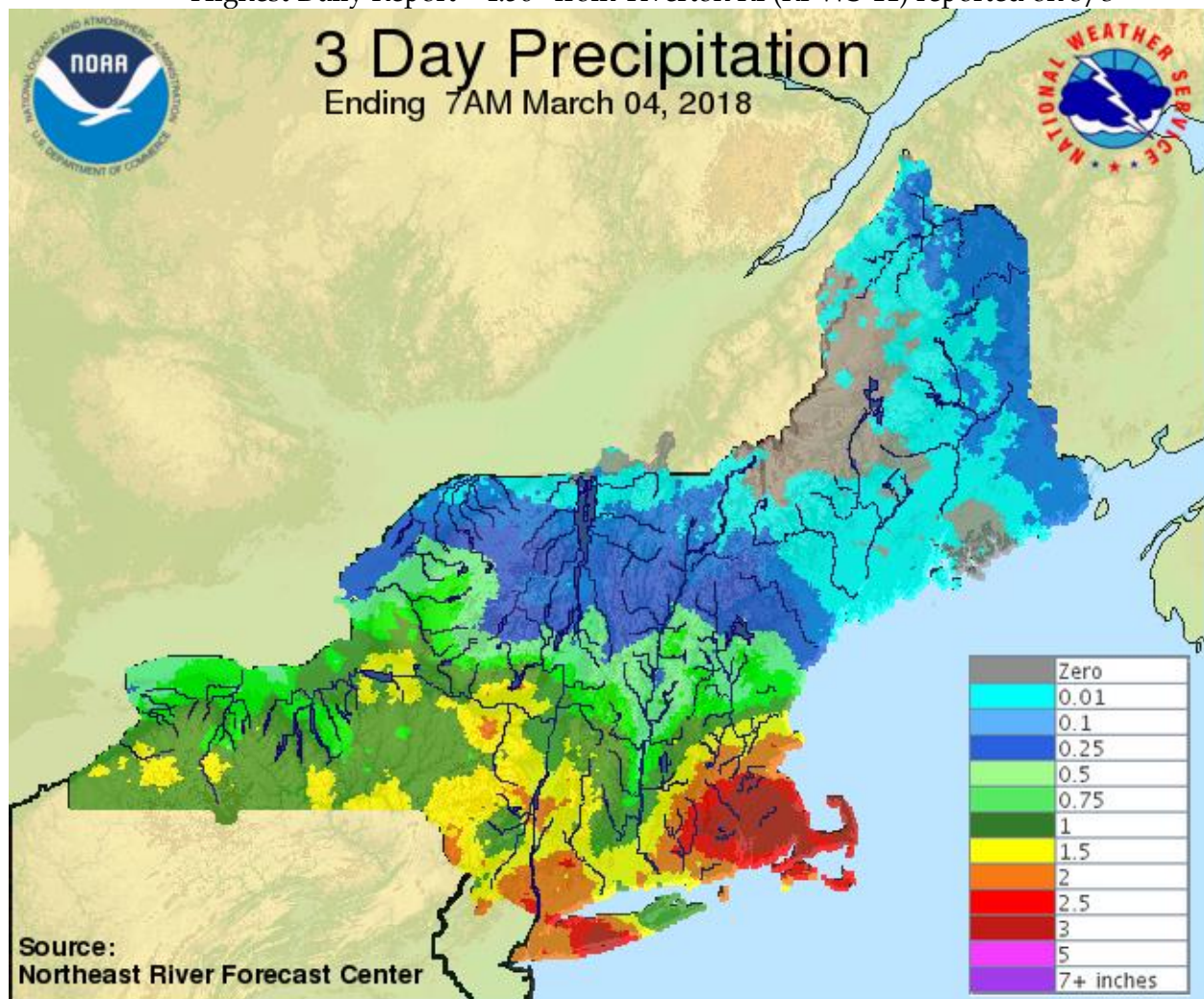
March was an active month a large assortment of winter weather. Rain, snow, wind, coastal flooding, tree damage and power outages. The first Nor'easter started the month, highlighted by the map on the next page. The second one, brought the snow and tree damage, the 7<sup>th</sup> into the 8<sup>th</sup>. Another round of winter time precip for the 13<sup>th</sup>. Winter time cold through the next round of snow on the 21<sup>st</sup>. At last, some spring rains to end the month.

Take in this next section of your reports with appreciation of your efforts.



## From your reports for March 2018

Observers reporting	305
Reported all 31 days	125
Completed by Multi-Day Reports	26
Missing 1 or 2 reports	35
Daily Reports	6788
Zero Reports	3504
Non-Zero Reports	3284
Daily Comments	1807
Multi-Day Reports	186
Condition Monitoring Reports	30
Significant Weather Reports	63
Snowfall Reports	4970
Snow Depth Reports	3284
SWE Reports	1130
Highest Daily Report	4.50" from Tiverton RI (RI-WS-11) reported on 3/3





96 reports for “NA” for precip from 38 unique stations removed 16 stations’ totals from this list.

To the new observers, this is a listing all stations that reported precip for all days in the last month with either Daily Reports and Multi-Day Reports.

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

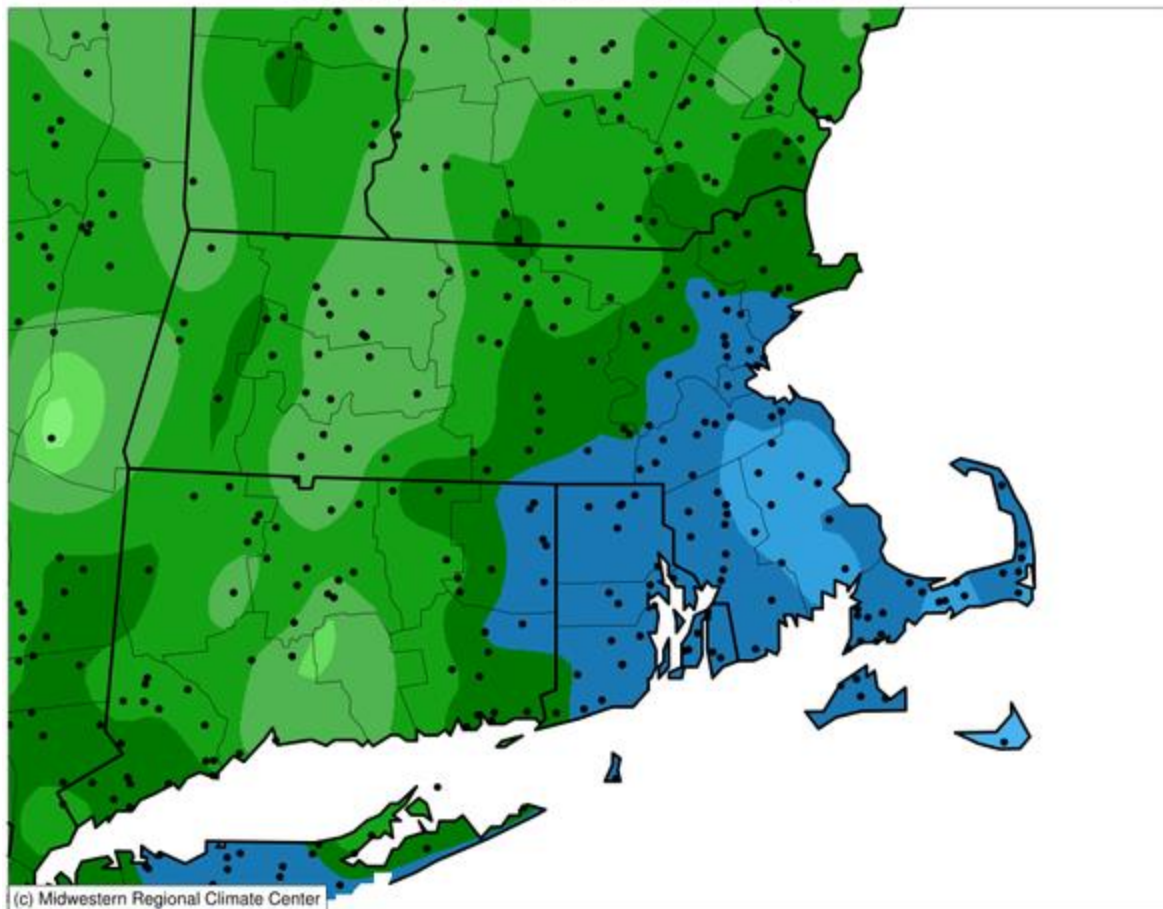
Watershed	Watershed Name	Station	Station Name	Precip
01070004	Nashua			
0107000401	North Nashua River	MA-WR-44	Westminster 0.6 WSW	5.17"
0107000401	North Nashua River	MA-WR-22	Fitchburg 2.0 NNE	4.05"
0107000403	Squannacook River	MA-MD-47	West Townsend 0.5 W	3.19"
01070005	Concord			
0107000501	Sudbury River	MA-MD-88	Wayland 2.1 SSE	5.98"
0107000502	Concord River	MA-WR-42	Northborough 2.3 N	3.23"
0107000502	Concord River	MA-WR-55	Harvard 2.1 S	3.16"
0107000502	Concord River	MA-MD-12	Acton 1.3 SW	5.12"
0107000502	Concord River	MA-MD-51	Maynard 0.7 ESE	4.24"
0107000502	Concord River	MA-MD-62	Chelmsford 1.2 E	4.89"
01070006	Merrimack River			
0107000611	Spicket River	MA-ES-38	Methuen 1.6 NNE	5.27"
0107000612	Stony Brook - Merrimack River	MA-MD-104	Littleton 2.8 NNW	5.00"
0107000613	Shawsheen River	MA-MD-52	Lexington 0.6 SW	3.93"
0107000614	Powwow River - Merrimack River	MA-ES-20	Haverhill 0.7 N	4.61"
0107000614	Powwow River - Merrimack River	MA-ES-4	Groveland 0.5 WSW	6.07"
01080201	Middle Connecticut			
0108020106	Manhan River - Connecticut River	MA-HS-2	Westhampton 1.8 SW	3.36"
0108020106	Manhan River - Connecticut River	MA-HS-8	Williamsburg 1.2 WSW	2.57"
0108020106	Manhan River - Connecticut River	MA-HS-26	Easthampton 0.5 SW	2.55"
0108020106	Manhan River - Connecticut River	MA-FR-12	Sunderland 1.3 SE	3.07"
0108020107	Batchelor Brook - Connecticut River	MA-HD-13	Springfield 4.1 W	2.73"
01080202	Miller			
0108020201	Upper Millers River	NH-CH-20	Rindge 3.2 ESE	5.57"
0108020202	Lower Millers River	MA-WR-40	Gardner 1.4 SSW	2.54"
01080203	Deerfield			
0108020305	Lower Deerfield River	MA-FR-17	Buckland 1.8 ESE	2.96"
0108020305	Lower Deerfield River	MA-FR-13	Conway 2.9 NW	2.81"
0108020305	Lower Deerfield River	MA-FR-10	Conway 0.9 SW	2.08"
01080204	Chicopee			
0108020404	Chicopee River	MA-HD-25	Ludlow 2.3 SW	3.55"
01080205	Lower Connecticut			

0108020501	Mill River - Connecticut River	CT-HR-5	Enfield 1.5 SE	2.72"
0108020502	Scantic River	MA-HD-20	Wilbraham 3.7 SSW	3.04"
0108020502	Scantic River	CT-TL-15	Central Somers 0.3 N	3.83"
0108020503	Park River	CT-HR-49	West Hartford 1.1 W	3.44"
0108020503	Park River	CT-HR-11	West Hartford 2.7 SSE	3.16"
0108020504	Hockanum River	CT-HR-52	Central Manchester 0.8 N	3.02"
0108020504	Hockanum River	CT-TL-19	Vernon 2.8 N	3.30"
0108020505	Roaring Brook - Connecticut River	CT-HR-6	Wethersfield 1.2 WSW	4.07"
0108020505	Roaring Brook - Connecticut River	CT-HR-22	East Hartford 1.3 E	4.41"
0108020506	Mattabeset River	CT-HR-15	Southington 3.0 E	4.07"
01080206	Westfield			
0108020601	Headwaters Westfield River	MA-HS-7	Plainfield 2.2 SW	4.71"
01080207	Farmington			
0108020701	Still River	CT-LT-15	Colebrook 1.0 NE	4.00"
0108020702	West Branch Farmington River	MA-BE-4	Becket 5.6 SSW	4.45"
0108020702	West Branch Farmington River	CT-LT-18	New Hartford Center 1.5 N	3.23"
0108020704	Headwaters Farmington River	CT-LT-9	New Hartford Center 3.2 SW	3.18"
0108020705	Salmon Brook	CT-HR-8	North Granby 1.3 ENE	2.88"
01090001	Charles			
0109000101	Plum Island Sound - Frontal Atlantic Ocean	MA-ES-24	Newburyport 0.8 SW	4.28"
0109000102	Ipswich River	MA-MD-45	Wilmington 1.5 NE	4.89"
0109000102	Ipswich River	MA-ES-12	Boxford 2.4 S	3.73"
0109000102	Ipswich River	MA-ES-2	Beverly 2.8 NW	3.12"
0109000103	Essex River - Frontal Atlantic Ocean	MA-ES-41	Danvers 0.8 ESE	7.05"
0109000104	Saugus River - Frontal Broad Sound	MA-MD-81	Wakefield 0.5 NNW	4.86"
0109000104	Saugus River - Frontal Broad Sound	MA-SF-2	Winthrop 0.2 N	4.78"
0109000104	Saugus River - Frontal Broad Sound	MA-ES-8	Marblehead 0.8 SW	6.42"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-7	Winchester 0.7 SE	5.54"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-44	Medford 1.2 W	5.38"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-11	Cambridge 0.9 NNW	5.92"
0109000105	Mystic River - Frontal Boston Harbor	MA-SF-10	Chelsea 0.8 N	8.13"
0109000106	Upper Charles River	MA-WR-1	Milford 2.3 NNW	5.19"
0109000106	Upper Charles River	MA-MD-106	Holliston 2.4 W	5.64"
0109000106	Upper Charles River	MA-MD-42	Holliston 0.8 S	5.83"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-SF-1	Boston 0.5 WSW	4.35"
0109000108	Neponset River - Frontal Boston Harbor	MA-NF-1	Norwood 1.3 NW	7.25"
01090002	Cape Cod			
0109000201	North River - Frontal Massachusetts Bay	MA-PL-5	Kingston 3.3 WNW	9.03"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-30	Duxbury 3.7 W	10.11"
0109000202	Cape Cod	MA-BA-2	Falmouth 3.1 NNW	8.17"
0109000202	Cape Cod	MA-BA-57	Falmouth 5.7 N	7.45"
0109000202	Cape Cod	MA-BA-14	North Falmouth 0.5 ENE	5.07"

0109000202	Cape Cod	MA-BA-13	Falmouth 0.6 NNW	8.55"
0109000202	Cape Cod	MA-BA-50	Falmouth 5.4 NNE	8.31"
0109000202	Cape Cod	MA-BA-3	Falmouth 3.0 E	8.46"
0109000202	Cape Cod	MA-BA-11	East Falmouth 1.4 ESE	9.50"
0109000202	Cape Cod	MA-BA-47	Mashpee 2.4 WSW	8.74"
0109000202	Cape Cod	MA-BA-59	Barnstable 3.6 W	7.54"
0109000202	Cape Cod	MA-BA-1	Yarmouth 2.3 SSE	9.47"
0109000202	Cape Cod	MA-BA-33	Brewster 1.5 ESE	5.96"
0109000202	Cape Cod	MA-BA-52	Truro 0.8 E	6.72"
0109000202	Cape Cod	MA-BA-27	Wellfleet 0.7 NW	5.96"
0109000202	Cape Cod	MA-BA-51	Orleans 3.0 S	7.36"
0109000202	Cape Cod	MA-BA-12	Orleans 1.1 E	6.60"
0109000202	Cape Cod	MA-BA-30	Eastham 0.6 SW	6.76"
0109000204	Paskamanset River - Frontal Buzzards Bay	MA-BR-14	Dartmouth 2.5 SSW	6.67"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-7	Little Compton 0.6 E	6.90"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-5	West Tisbury 2.9 N	6.80"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-2	Vineyard Haven 0.8 WSW	6.14"
01090003	Blackstone			
0109000301	Upper Blackstone River	MA-WR-41	Auburn 2.6 SW	4.38"
0109000301	Upper Blackstone River	MA-WR-43	Leicester 2.4 ESE	3.88"
0109000302	Lower Blackstone River	RI-PR-50	Harrisville 1.2 SSE	6.48"
0109000302	Lower Blackstone River	RI-PR-28	North Smithfield 0.7 SE	6.48"
01090004	Narragansett			
0109000401	Upper Taunton River	MA-BR-30	Taunton 3.9 N	7.34"
0109000401	Upper Taunton River	MA-PL-22	East Bridgewater 0.3 WSW	5.93"
0109000401	Upper Taunton River	MA-PL-15	Abington 1.2 NNE	7.67"
0109000403	Threemile River	MA-BR-33	Taunton 2.4 W	8.41"
0109000404	Ten Mile River	MA-BR-23	Attleboro 0.9 ENE	5.45"
0109000405	Wonnasquatucket River-Moshassuck River	RI-PR-33	Greenville 0.7 NNW	6.02"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-51	North Smithfield 0.6 S	6.92"
0109000406	Pawtuxet River	RI-PR-17	Cranston 4.1 E	5.73"
0109000407	Palmer River	MA-BR-2	Rehoboth 2.1 N	5.65"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-3	Norton 1.8 NNE	8.20"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-16	Somerset 0.4 SSE	4.97"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-8	Dighton 1.1 WSW	6.75"
0109000409	Narragansett Bay	RI-WS-31	Kingston 7.5 NNE	4.56"
0109000409	Narragansett Bay	RI-KN-2	East Greenwich 2.3 ESE	5.89"
0109000409	Narragansett Bay	RI-BR-5	Barrington 1.3 WNW	5.18"
0109000409	Narragansett Bay	RI-NW-4	Middletown 1.1 SW	5.01"
0109000409	Narragansett Bay	RI-NW-16	Portsmouth 1.3 S	6.71"
0109000409	Narragansett Bay	RI-NW-11	Tiverton 0.8 SSW	9.38"
01090005	Pawcatuck-Wood			

0109000501	Wood River	RI-WS-1	Hope Valley 3.7 S	6.66"
0109000502	Upper Pawcatuck River	RI-WS-37	Kingston 2.4 SW	4.38"
0109000503	Lower Pawcatuck River	RI-WS-35	Westerly 1.0 SW	5.06"
0109000504	Frontal Block Island Sound	RI-WS-36	Charlestown 3.0 WSW	5.74"
01100001	Quinebaug			
0110000103	Fivemile River	CT-WN-4	East Killingly 1.3 SW	5.46"
0110000105	Mossup River	CT-WN-8	Moosup 1.7 NE	5.99"
0110000106	Pachaug River	CT-NL-21	Griswold 0.9 N	5.09"
01100002	Shetucket			
0110000203	Shetucket River	CT-WN-10	South Windham 1.3 NNE	4.10"
0110000203	Shetucket River	CT-NL-10	Norwich 2.5 NNE	5.54"
01100003	Thames			
0110000302	Thames River-Frontal New London Harbor	CT-NL-6	New London 1.0 NNW	4.56"
0110000302	Thames River-Frontal New London Harbor	CT-NL-8	Uncasville-Oxoboxo Valley 1.6 ENE	4.98"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-22	Central Waterford 2.7 SSW	5.04"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-24	Stonington 1.4 NNW	4.70"
01100004	Quinnipiac			
0110000401	Quinnipiac River	CT-HR-23	Southington 0.9 SSE	2.56"
0110000401	Quinnipiac River	CT-NH-44	Wallingford Center 1.9 WNW	3.99"
0110000401	Quinnipiac River	CT-NH-43	Wallingford Center 3.3 NNW	3.76"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-41	Madison Center 1.6 W	5.00"
0110000403	Mill River - Frontal Long Island Sound	CT-NH-16	Milford 1.8 E	2.93"
01100005	Housatonic			
0110000501	Headwaters Housatonic River	MA-BE-10	Pittsfield 2.0 NNW	3.48"
0110000504	Macedonia Brook - Housatonic River	CT-LT-20	Warren 2.4 WNW	4.32"
0110000508	Still River - Housatonic River	CT-FR-41	Bethel 3.5 NNE	3.36"
0110000508	Still River - Housatonic River	CT-FR-9	Brookfield 3.3 SSE	3.83"
0110000510	Eightmile Brook - Housatonic River	CT-FR-44	Newtown 4.3 E	3.11"
0110000512	Outlet Naugatuck River	CT-NH-47	Seymour 1.5 NE	4.44"
0110000512	Outlet Naugatuck River	CT-NH-45	Naugatuck 1.7 NNE	3.14"
0110000512	Outlet Naugatuck River	CT-NH-22	Prospect 0.5 SW	3.41"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-42	Monroe 0.1 SE	3.89"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-23	Shelton 1.3 W	3.85"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-46	Stratford 0.2 ESE	4.32"
01100006	Saugatuck			
0110000601	Saugatuck River - Frontal Long Island Sound	CT-FR-31	Newtown 4.6 SSW	4.26"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-29	Ridgefield 1.9 SSE	4.48"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-3	New Canaan 1.9 ENE	4.42"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-25	Norwalk 2.9 NNW	3.63"
0110000604	Mianus River-Rippowam River	CT-FR-50	Darien 2.8 NW	4.44"
02030203	Long Island Sound			
0203020300	Long Island Sound	NY-SF-114	Fishers Island 0.5 NE	2.41"

# **Accumulated Precipitation (in)** **March 01, 2018 to March 31, 2018**



0.01 0.1 0.5 1 1.5 2 3 4 5 7.5 10 12.5 15

Stations from the following networks used: COOP, FAA, CoCoRaHS,  
 Midwestern Regional Climate Center  
 cli-MATE: MRCC Application Tools Environment  
 Generated at: 4/9/2018 7:28:20 PM CDT

### **“We do not live at the airport”**

Compare your totals, and totals from others, to these local area airports. Our network does not use automated gauges. And we do not live at the airport!

Location	Station ID	March 2018 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	2.55"	-1.97"	9.36"	-1.93"	17.24"	-6.75"	37.18"	-12.17"
Danbury CT	DXR	2.77"	-1.33"	9.63"	-0.60"	18.64"	-4.65"	35.78"	-14.09"
New Haven CT	HVN	2.13"	-2.16"	9.65"	-0.72"	19.33"	-2.82"	34.25"	-12.86"
Meriden CT	MMK	1.84"	-2.45"	11.30"	0.93"	22.92"	0.77"	41.57"	-5.54"
Hartford CT	HFD	2.25"	-1.32"	9.92"	0.55"	21.07"	0.37"	40.59"	-3.01"
Willimantic CT	IJD	2.94"	-1.48"	11.20"	0.35"	22.45"	-1.43"	42.44"	-5.98"
New London CT	GON	3.46"	-0.70"	5.18"	-5.11"	14.96"	-7.23"	35.60"	-10.89"
Westerly RI	WST	3.85"	-0.98"	14.17"	2.95"	25.74"	2.32"	47.32"	-0.07"
Newport RI	UUU	5.28"	0.76"	16.48"	5.18"	27.32"	3.96"	49.61"	3.28"
New Bedford MA	EWB	5.33"	0.45"	17.67"	5.19"	28.39"	3.16"	51.16"	2.80"
Hyannis MA	HYA	5.72"	0.75"	15.98"	3.46"	28.89"	3.50"	59.48"	11.79"
Nantucket MA	ACK	10.93"	6.68"	21.96"	11.38"	31.34"	8.61"	57.42"	13.00"
Marthas Vineyard MA	MVY	1.53"	-3.05"	13.96"	2.82"	21.60"	-2.00"	50.74"	5.58"
Taunton MA	TAN	7.12"	2.01"	16.95"	4.30"	27.92"	2.16"	50.24"	0.50"
Plymouth MA	PYM	6.15"	0.90"	17.10"	4.56"	27.62"	1.95"	53.01"	3.86"
Norwood MA	OWD	5.90"	1.45"	14.05"	2.92"	24.21"	0.35"	46.05"	-1.01"
Bedford MA	BED	3.14"	-1.11"	8.52"	-2.21"	17.04"	-5.88"	40.89"	-4.82"
Beverly MA	BVY	5.09"	0.53"	10.25"	-0.95"	18.41"	-4.77"	41.04"	-5.14"
Lawrence MA	LWM	2.08"	-2.04"	6.59"	-3.20"	13.16"	-7.75"	36.36"	-6.80"
Fitchburg MA	FIT	2.88"	-1.50"	8.92"	-1.81"	21.75"	-1.23"	47.09"	-0.05"
Westfield MA	BAF	1.87"	-2.23"	9.99"	-0.20"	20.73"	-1.76"	40.11"	-8.28"
North Adams MA	AQW	1.80"	-1.75"	7.77"	-1.01"	14.76"	-6.10"	39.38"	-7.23"



## **Rulers of the Snow**

You are the Rulers of the Snow. If you are able to, keep making a snowfall and snow depth report every day, rain, snow or sunshine.

All Days Reported

Station	Name	Mar 2018 Snowfall	All Days Precip	All Days Snowfall	All Days Snow Depth
MA-BE-4	Becket 5.6 SSW	47.5"	✓	✓	✓
CT-LT-20	Warren 2.4 WNW	46.7"	✓		
MA-WR-56	Sterling 4.3 NW	44.5"			
MA-HS-7	Plainfield 2.2 SW	40.9"	✓	✓	✓
CT-NL-5	Oakdale 2.6 WNW	39.7"			
MA-ES-20	Haverhill 0.7 N	38.0"	✓		
MA-MD-12	Acton 1.3 SW	37.9"	✓	✓	✓
MA-SF-10	Chelsea 0.8 N	37.9"	✓		
MA-MD-85	Wilmington 2.2 WNW	37.7"			
MA-MD-67	Lexington 2.3 SE	36.7"			
MA-MD-104	Littleton 2.8 NNW	36.7"	✓		
MA-WR-28	Berlin 1.3 WSW	36.0"			
MA-MD-106	Holliston 2.4 W	35.9"	✓		
MA-MD-107	Framingham 1.7 E	35.9"			
MA-WR-22	Fitchburg 2.0 NNE	35.7"	✓		
MA-MD-53	Acton 4.0 ENE	35.5"			
CT-TL-2	Staffordville 0.4 NNW	34.7"			
MA-WR-41	Auburn 2.6 SW	34.1"	✓		
MA-WR-55	Harvard 2.1 S	34.0"			
MA-ES-38	Methuen 1.6 NNE	33.5"			
MA-HS-14	Plainfield 2.4 ESE	33.3"			
MA-WR-40	Gardner 1.4 SSW	33.1"	✓		
MA-ES-4	Groveland 0.5 WSW	33.0"	✓	✓	✓
MA-BE-10	Pittsfield 2.0 NNW	32.9"	✓		
MA-WR-58	Lunenburg 0.6 NE	32.8"	✓		
MA-WR-44	Westminster 0.6 WSW	32.7"			
RI-PR-51	North Smithfield 0.6 S	32.5"	✓	✓	✓
MA-MD-42	Holliston 0.8 S	32.2"			
CT-WN-6	Dayville 2.0 ENE	31.5"			
MA-MD-51	Maynard 0.7 ESE	31.2"	✓	✓	✓
MA-ES-41	Danvers 0.8 ESE	30.9"	✓	✓	✓
MA-MD-83	Boxborough 1.4 SSE	30.9"			
RI-PR-33	Greenville 0.7 NNW	30.9"	✓	✓	✓
RI-PR-50	Harrisville 1.2 SSE	30.8"	✓		

March 2018 as a calendar. A count of your Daily Reports by Date. Red colors are for the highest counts. Blue/green color for the lowest counts.

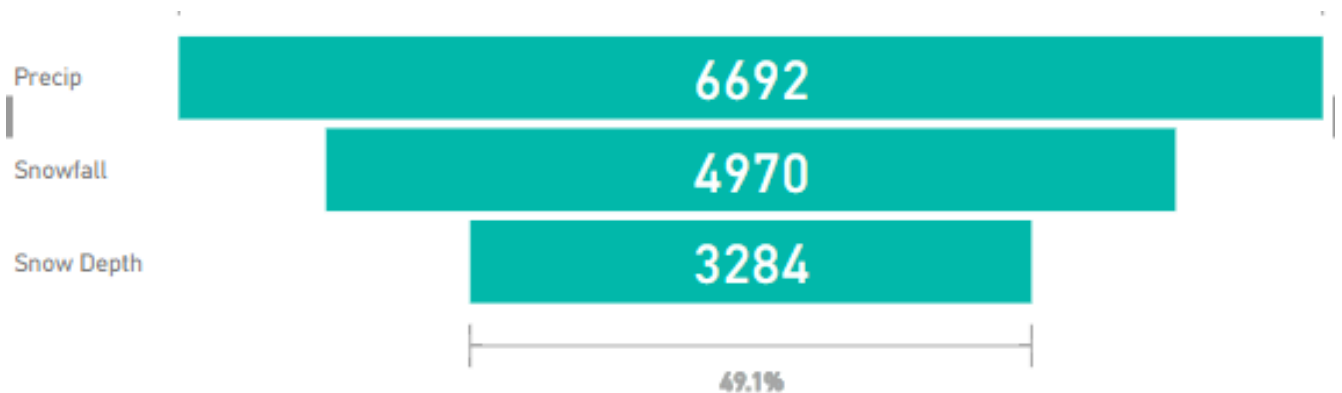
Our average was 219 Daily Reports per day. Cold and snow does not bring out the Daily Reports. Let us all grow from here.

March 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 230	2 237	3 230
4 218	5 222	6 223	7 222	8 224	9 212	10 209
11 211	12 218	13 203	14 195	15 212	16 216	17 210
18 210	19 215	20 225	21 219	22 216	23 210	24 206
25 212	26 218	27 228	28 236	29 237	30 235	31 229

More from March 2018 reporting. Counts of your non-NA Daily Reports of precip, snow fall and snow depth.

49% of the Daily Reports coming with a non-NA snow depth, which is a very strong percentage. Keep up this reporting of snow depth all year round.

As spring and summer come, with rain and no snow cover, you are encouraged to continue to report snow fall and snow depth, with ALL of your Daily Reports. Zeros, when accurate, are easy and valuable.



We had to wait for the snow to pass in early April. A perennial “Ruler of the Snow”, MA-BE-4, captures our collective spirit.

3/15/2018	MA-BE-4	Becket 5.6 SSW	0.45	This has got to stop.
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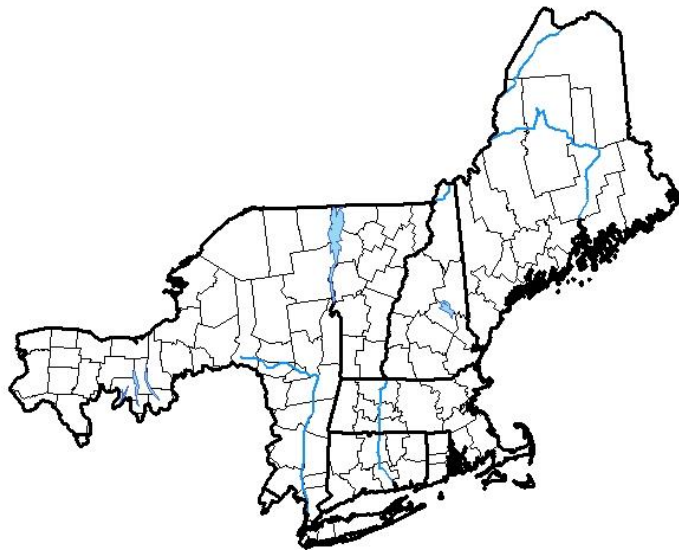
In next month’s newsletter, there will be snow season total information.

From the Drought Monitor.

We have gotten through the winter with a healthy, normal, amount of precipitation. The growing season is upon us.

Every drop counts and zeros do too!

## **U.S. Drought Monitor Northeast RFC**



**April 3, 2018**

*(Released Thursday, Apr. 5, 2018)*

Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

	None	D0	D1	D2	D3	D4
<b>Current</b>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Last Week</b> <i>03-27-2018</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> <i>01-02-2018</i>	88.74	11.26	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-02-2018</i>	88.74	11.26	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-26-2017</i>	70.12	22.15	7.74	0.00	0.00	0.00
<b>One Year Ago</b> <i>04-04-2017</i>	66.99	19.20	11.74	2.06	0.00	0.00

Intensity:

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

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

Author:

David Miskus  
NOAA/NWS/NCEP/CPC



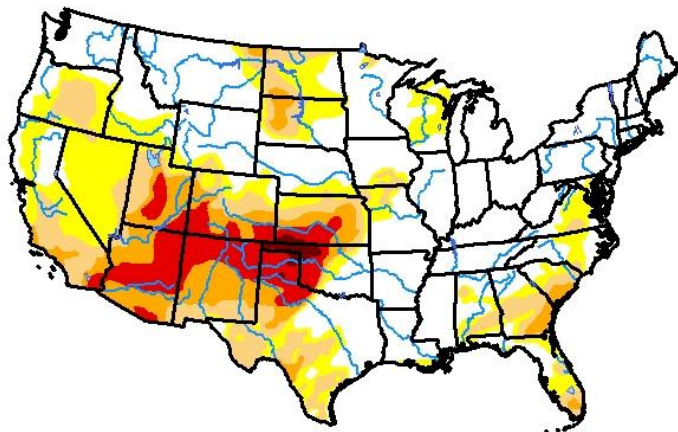
<http://droughtmonitor.unl.edu/>

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

More from the Drought Monitor.

Not much change across the Continent. Please get into the habit of submitting a Condition Monitoring Report.

## U.S. Drought Monitor Continental U.S. (CONUS)



**April 3, 2018**

(Released Thursday, Apr. 5, 2018)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	52.45	18.13	13.05	8.78	6.99	0.60
<b>Last Week</b> 03-27-2018	50.80	18.44	14.41	9.10	6.71	0.55
<b>3 Months Ago</b> 01-02-2018	44.46	27.83	20.24	6.63	0.83	0.00
<b>Start of Calendar Year</b> 01-02-2018	44.46	27.83	20.24	6.63	0.83	0.00
<b>Start of Water Year</b> 09-26-2017	63.07	23.11	8.83	2.63	1.49	0.87
<b>One Year Ago</b> 04-04-2017	70.27	19.89	8.33	1.40	0.10	0.00

### Intensity:

<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> D0 Abnormally Dry	<span style="background-color: red; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> D3 Extreme Drought
<span style="background-color: orange; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> D1 Moderate Drought	<span style="background-color: darkred; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> D4 Exceptional Drought
<span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> D2 Severe Drought	

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

### Author:

David Miskus  
NOAA/NWS/NCEP/CPC



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

## **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 very happy 10<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.

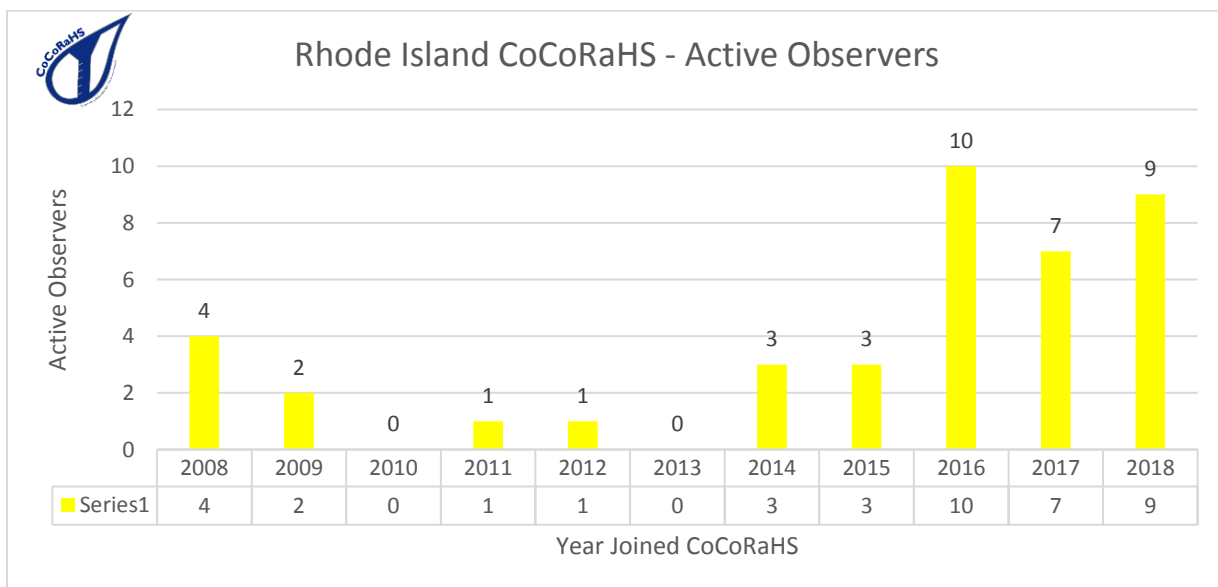
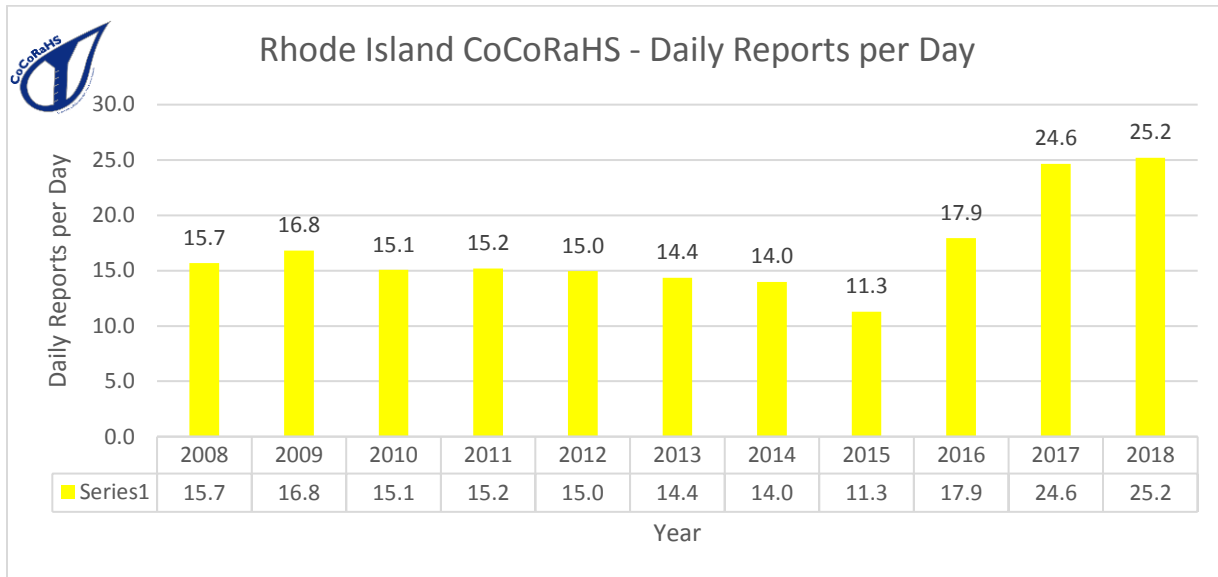
Fortunately we had a long-standing partnership with the Rhode Island Water Resources Board and state Emergency Management Office, so they were a natural fit as partners with our office for CoCoRaHS. We were able to spread the word around the state that we were looking for volunteers to join CoCoRaHS 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).

Today, we continue to see strong growth in the Ocean State’s reporting. In March, Daily Reports jumped to 876 and we are well on our way to reaching 1,000 Daily Reports in a month, for the first time ever, in the months to come. In fact, we recently added 18 new observers who have signed up in late February through early April.

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 once in a while please know that your reports are



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



## **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 new Condition Monitoring Reports so that any King, Drought Monitor, River or Weather Forecaster can see and read easily. 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.

Thank you for all that you do for CoCoRaHS, whether in the past, present and in the days to come. Press or click "Submit" with pride!