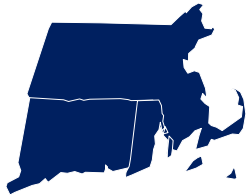


Community Collaborative Rain, Hail & Snow Network



Southern 



New England

July 2018

Realizing that it was impractical to continue to add a stripe and a star to our nation's Flag with each new state, the Flag Act of 1818 was passed, keeping the 13 stripes that we have today, and 20 stars.

We continue to have the same 4" diameter rain gauge that we had when the network started 20 years ago. The gauge works well in these summer downpours as it does when the snow comes.

Your reporting continues to impress. Included is another list of over 220 stations that were able to cover all days in the month of June. It's amazing to reflect that an idea that started in Fort Collins Colorado has spread throughout North America and has over 350 reporting observers in our 3 states and over 220 of them can report for all days in the month.

Within this month's Newsletter: Observers that made "The Grand List" For the Southern CT observers, tangible proof that your Significant Weather Reports do get seen by your local Forecast Office. We welcome a new observer in a new location. If you do change your address, we would like to hear from you. One last mention of our 20th Anniversary Celebration. A gauge photo.

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.

3000 Daily Reports

MA-MD-7 Winchester 0.7 SE
CT-WN-4 East Killingly 1.3 SW

2000 Daily Reports

MA-BA-27 Wellfleet 0.7 NW
MA-BR-14 Dartmouth 2.5 SSW

1000 Daily Reports

MA-BR-19 Somerset 2.0 NNE
MA-MD-52 Lexington 0.6 SW
CT-FR-3 New Canaan 1.9 ENE
CT-HR-23 Southington 0.9 NNE

More on Significant Weather Reports

It has been easy to show most of you, those that observe within the Boston Forecast Office, where your Significant Weather and Hail Reports end up. Last month's newsletter had several examples from the storm on May 15.

This month, the New York City Forecast Office was kind enough to send along examples as well. Thinking that the downpours of June 24th would be the sum and total of the downpours of the month, proudly start writing this article for this segment. Then, Mother Nature proved me wrong with more downpours on June 28th and June 29th.

So, for those in Southern CT, in the next few pages are tangible proof that your Significant Weather Reports end up in your local Forecast Office.

Another pleasant and desired outcome of this Monthly Newsletter has been that reporting remains healthy and strong. It is noticed that Significant Weather Reporting is also healthy and strong.

To keep us all focused and thinking alike as we collectively submit a dozen or more of these reports each month, a few guidelines to reiterate about Significant Weather Reports and Hail Reports.

- ✓ Be safe. None of this is worth getting hurt for.
- ✓ Make note of the start and stop times of the hail or precipitation.
- ✓ These are real-time reports. Please report as soon as you safely can. The difference these reports make can affect somewhere downwind from your locale.
- ✓ Report through the website.
- ✓ 1" of rain/snow in 1 hour or less is a rule of thumb to use when deciding what to and what not to report.
- ✓ If you feel it what has occurred is Significant, such as 2"+ rain, wind damage, flooding, do fill out and submit a Significant Weather Report.
- ✓ You provide the ground truth to all of the high-tech equipment used in a Forecast Office.

And from these past two Monthly Newsletters, the last point to make is....

- ✓ It only takes minutes from the time you press "Submit" to when your report is delivered to its destination. The report alarms a screen.

Leading off this series of reports. Submitted on 6:03pm.

Significant Weather Report	
Station Number:	CT-FR-9
Station Name:	Brookfield 3.3 SSE
Date:	6/24/2018 6:00 PM
Submitted	6/24/2018 6:03 PM
Notes:	Tapering off at this time, sunshine starting to break out. 0.06" with a brief shower at 3:30pm. 0.78" with this downpour, preceded by a shelf cloud, scud, no wall cloud, a couple of rumbles of thunder, no strong wind, no visible lightning.
Taken at	
Registered	True
Location:	
Precip	
Duration	30
Minutes:	
New Precip Amount:	0.78 in.
Total Precip Amount:	0.84 in.
New Snow Depth:	NA
Total Snow Depth:	NA
Flooding:	

Received at 242203. 24th of the month. 22:03Z 6:03pm local time.

```
NZUS45 KBOU 242203
CCRAHS

intense rain report from CoCoRAHS spotter:

06/24/2018 06:00 PM local time
County: Fairfield CT
Brookfield 3.3 SSE (number CT-FR-9)
Latitude: 
Longitude: 
0.84 inches so far, with 0.78 inches in the past 30 mins
Flooding:
Comments: Tapering off at this time, sunshine starting to break out.
0.06" with a brief shower at 3:30pm. 0.78" with this
downpour, preceded by a shelf cloud, scud, no wall cloud, a
couple of rumbles of thunder, no strong wind, no visible
lightning

Received NWS Boulder Sun Jun 24 16:03:46 2018 MDT
Sent to WFOs: OKX,ALY

All of today's CoCoRAHS observations are in WRKCCR (Boulder and Pueblo only)
Or at http://www.cocorahs.org (click on reports)
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Significant Weather Report. Submitted at 6:46pm

Significant Weather Report	
Station Number:	CT-FR-44
Station Name:	Newtown 4.3 E
Date:	6/24/2018 6:45 PM
Submitted	6/24/2018 6:46 PM
Notes:	Minor field flooding occurred. Winds gusted up to about 45mph. No hail with this storm. No wind damage.
Taken at Registered Location:	True
Precip Duration Minutes:	60
New Precip Amount:	1.17 in.
Total Precip Amount:	1.17 in.
New Snow Depth:	NA
Total Snow Depth:	NA
Flooding:	Minor

Received at 6:47pm

NZUS45 KBOU 242247
CCRAHS

intense rain report from CoCoRAHS spotter:

06/24/2018 06:45 PM local time
County: Fairfield CT
Newtown 4.3 E (number CT-FR-44)
Latitude: [REDACTED]
Longitude: [REDACTED]

1.17 inches so far, with 1.17 inches in the past 60 mins
Flooding: Minor
Comments: Minor field flooding occurred. Winds gusted up to about 45mph. No hail with this storm. No wind damage

Received NWS Boulder Sun Jun 24 16:47:32 2018 MDT
Sent to WFOs: OKX,ALY

All of today's CoCoRAHS observations are in WRKCCR (Boulder and Pueblo only)
Or at <http://www.cocorahs.org> (click on reports)

Welcome MA-BR-55



It looks like an ordinary 4” diameter rain gauge on a post. That Doppler Radar antenna in the background makes the location unique. The absence of grass surrounding the gauge does indicate some recent disturbance of the land.

Give a big CoCoRaHS welcome to a NWS Forecast Office joining our citizen-science reporting network!

Welcome to MA-BR-55!!

NWS Boston/Norton 2.5 ESE

Change of Address

One pleasant outcome of this Monthly Newsletter is that we hear back from some of you. Whether it’s a nagging question or feedback about the Newsletter, we do welcome the interaction from you.

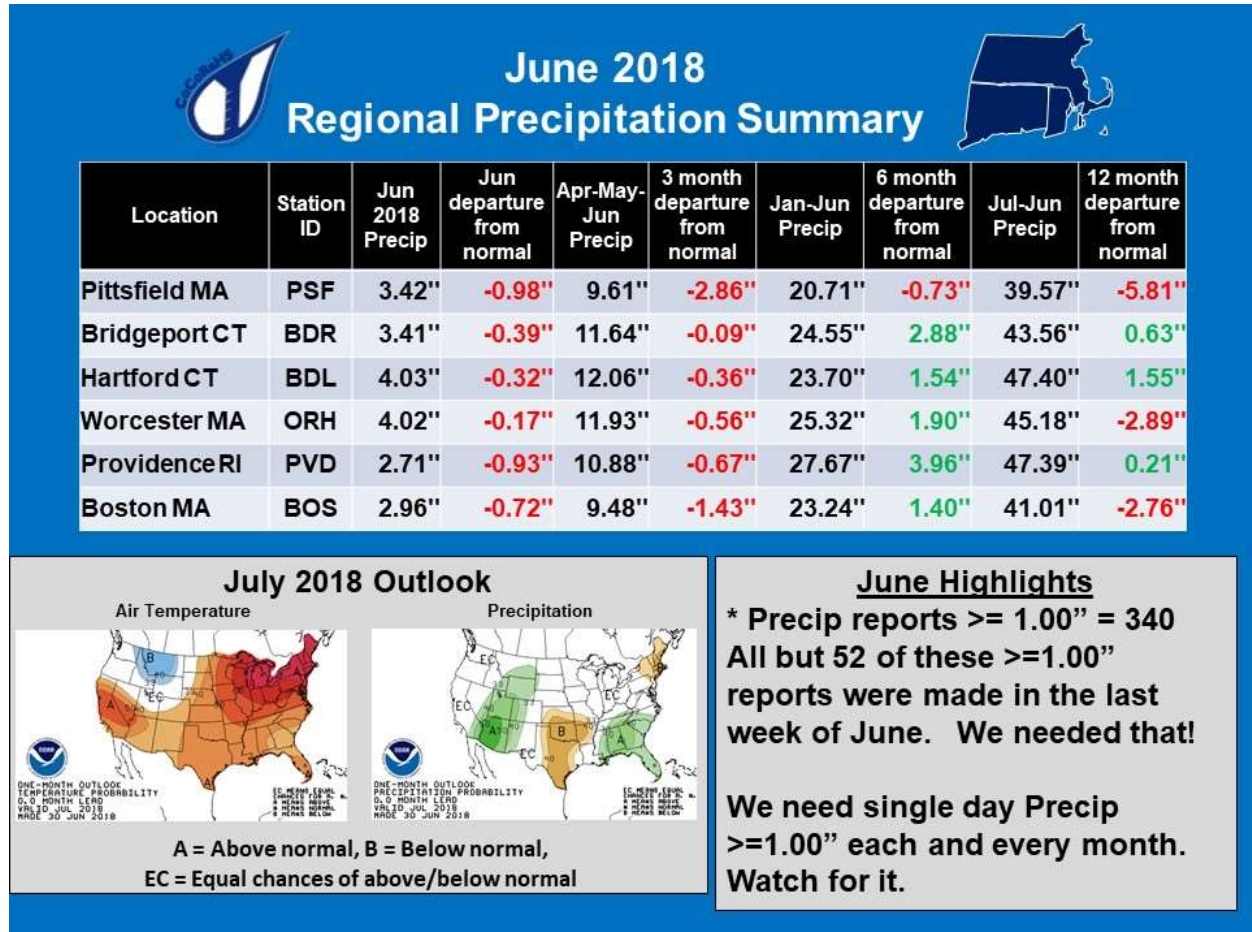
One *desired* outcome of this Monthly Newsletter is that we hear back from you if you have a change of address.

- ✓ Change of physical address. Your station needs to be closed, and a new one created. Continuing to report after you moved locations, does not accurately reflect where you reported from.
- ✓ Change of email address. We cannot reach you if we don’t know your email address. This newsletter does find its way on some sites within CoCoRaHS so not everyone reading this, gets the Newsletter emailed to them.

As the observer from Fishers Island NY shows every month, we still want to have you as a part of our group wherever you are.

Detail and Summary for June 2018

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



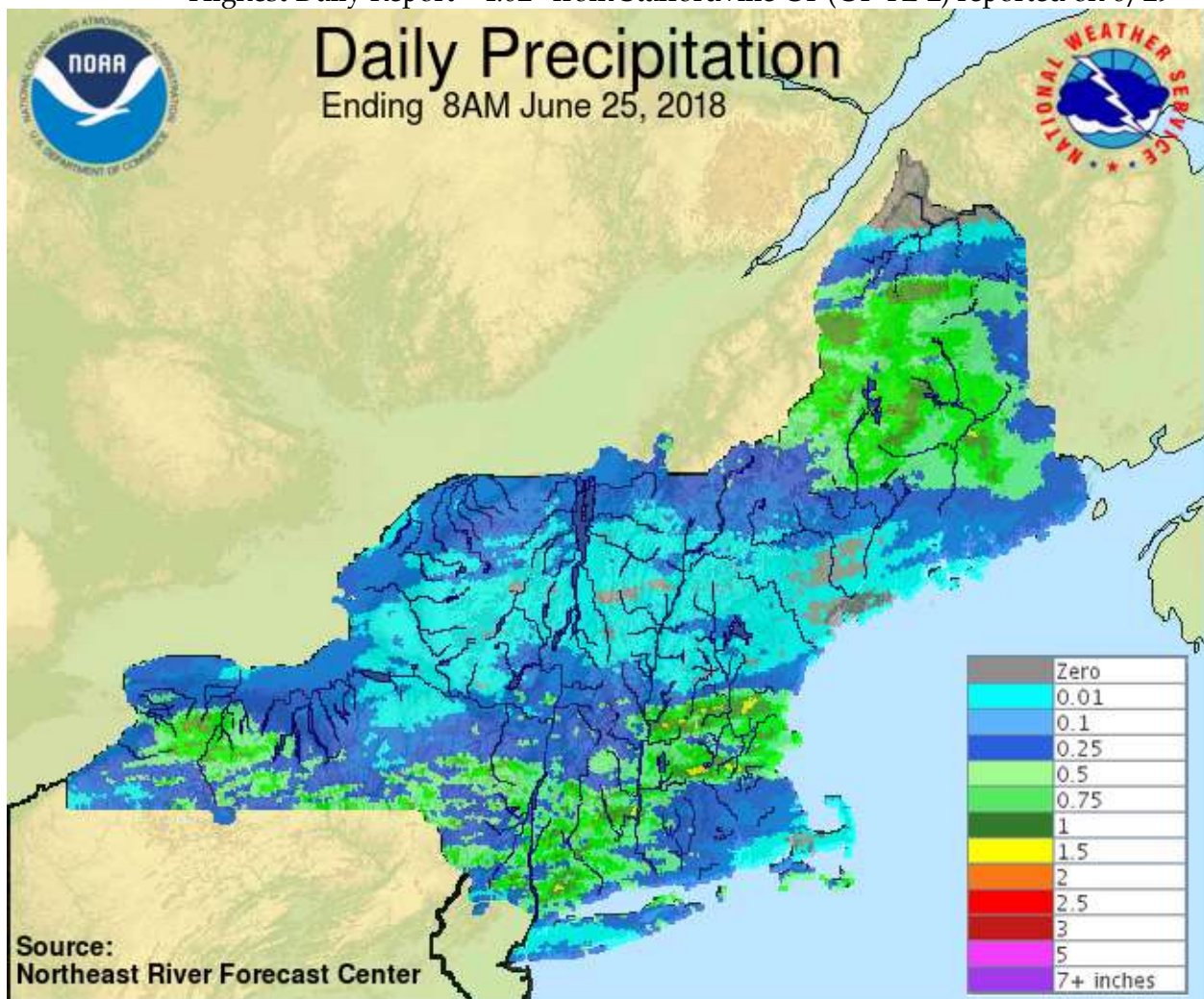
The pendulum of precipitation continues its swing to the dry. Light rain within the first week of June with 1"+ reports within New London, Rhode Island and Cape Cod. A long stretch of zeros until more rain on the 18th. Downpours on the 24th, noted by the map on the next page. Even more downpours on the 28th and 29th, with 27 stations reporting single day amounts more than 2".

With all of this, station totals for June range from 6"-7" to under 2". We believe that precipitation is important and highly variable, and highly variable is what we got in June.

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

From your reports for June 2018

Observers reporting	351
Reported all 30 days	167
Completed by Multi-Day Reports	56
Missing 1 or 2 reports	47
Daily Reports	8473
Zero Reports	4675
Non-Zero Reports	3798
Daily Comments	1391
Multi-Day Reports	221
Condition Monitoring Reports	40
Significant Weather Reports	20
Hail Reports	1
Snowfall Reports	4421
Snow Depth Reports	2055
Highest Daily Report	4.02" from Staffordville CT (CT-TL-2) reported on 6/29



Another month. Another 220+ stations in this list. Learn from the variability that these summer downpours bring.

Please! Keep this up throughout the summer and for the rest of year. This list is heartwarming to see that most of you can keep reporting all days for a month.

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	5.27"
0107000401	North Nashua River	MA-WR-8	Fitchburg 1.6 SSW	4.71"
0107000401	North Nashua River	MA-WR-52	Fitchburg 2.3 N	2.80"
0107000401	North Nashua River	MA-WR-22	Fitchburg 2.0 NNE	3.80"
0107000402	Headwaters Nashua River	MA-WR-56	Sterling 4.3 NW	4.23"
0107000402	Headwaters Nashua River	MA-MD-25	Ayer 0.1 SW	2.69"
0107000403	Squannacook River	MA-MD-47	West Townsend 0.5 W	3.29"
01070005	Concord			
0107000501	Sudbury River	MA-MD-100	Sudbury 1.6 N	5.02"
0107000501	Sudbury River	MA-MD-88	Wayland 2.1 SSE	3.46"
0107000502	Concord River	MA-WR-28	Berlin 1.3 WSW	4.56"
0107000502	Concord River	MA-WR-18	Northborough 0.6 SSE	4.27"
0107000502	Concord River	MA-WR-42	Northborough 2.3 N	4.32"
0107000502	Concord River	MA-MD-115	Hudson 1.4 NW	4.59"
0107000502	Concord River	MA-MD-83	Boxborough 1.4 SSE	4.76"
0107000502	Concord River	MA-MD-12	Acton 1.3 SW	4.80"
0107000502	Concord River	MA-MD-51	Maynard 0.7 ESE	4.99"
0107000502	Concord River	MA-MD-91	Westford 2.8 SSE	3.70"
0107000502	Concord River	MA-MD-53	Acton 4.0 ENE	4.44"
0107000502	Concord River	MA-MD-62	Chelmsford 1.2 E	3.03"
0107000502	Concord River	MA-MD-34	Chelmsford 2.0 ENE	3.19"
01070006	Merrimack River			
0107000611	Spicket River	MA-ES-38	Methuen 1.6 NNE	3.89"
0107000612	Stony Brook - Merrimack River	MA-MD-104	Littleton 2.8 NNW	2.96"
0107000612	Stony Brook - Merrimack River	MA-MD-105	Littleton 0.9 WSW	3.69"
0107000612	Stony Brook - Merrimack River	MA-MD-93	Westford 1.5 SSW	3.19"
0107000613	Shawsheen River	MA-MD-52	Lexington 0.6 SW	3.63"
0107000614	Powwow River - Merrimack River	MA-ES-20	Haverhill 0.7 N	4.07"
01080201	Middle Connecticut			
0108020106	Manhan River - Connecticut River	MA-HS-8	Williamsburg 1.2 WSW	5.46"
0108020106	Manhan River - Connecticut River	MA-HS-26	Easthampton 0.5 SW	5.11"

0108020106	Manhan River - Connecticut River	MA-FR-12	Sunderland 1.3 SE	7.48"
0108020107	Batchelor Brook - Connecticut River	MA-HD-13	Springfield 4.1 W	5.82"
01080202	Miller			
0108020201	Upper Millers River	NH-CH-20	Rindge 3.2 ESE	5.20"
0108020202	Lower Millers River	MA-WR-40	Gardner 1.4 SSW	5.81"
01080203	Deerfield			
0108020305	Lower Deerfield River	MA-FR-17	Buckland 1.8 ESE	4.66"
0108020305	Lower Deerfield River	MA-FR-13	Conway 2.9 NW	5.21"
0108020305	Lower Deerfield River	MA-FR-10	Conway 0.9 SW	4.48"
01080204	Chicopee			
0108020401	Swift River	MA-FR-8	New Salem 3.1 S	7.53"
0108020402	Ware River	MA-WR-54	Barre 1.4 NNE	4.50"
0108020404	Chicopee River	MA-HD-25	Ludlow 2.3 SW	5.10"
01080205	Lower Connecticut			
0108020501	Mill River-Connecticut River	CT-HR-57	Suffield Depot 3.3 NNE	5.06"
0108020501	Mill River - Connecticut River	CT-HR-5	Enfield 1.5 SE	4.69"
0108020502	Scantic River	CT-TL-26	Broad Brook 2.6 ESE	4.28"
0108020502	Scantic River	CT-TL-15	Central Somers 0.3 N	5.05"
0108020503	Park River	CT-HR-39	Farmington 1.6 SW	3.80"
0108020503	Park River	CT-HR-49	West Hartford 1.1 W	3.44"
0108020503	Park River	CT-HR-63	West Hartford 1.1 NNE	3.71"
0108020503	Park River	CT-HR-11	West Hartford 2.7 SSE	4.46"
0108020504	Hockanum River	CT-HR-52	Central Manchester 0.8 N	4.25"
0108020504	Hockanum River	CT-TL-19	Vernon 2.8 N	3.70"
0108020505	Roaring Brook - Connecticut River	CT-HR-6	Wethersfield 1.2 WSW	4.63"
0108020505	Roaring Brook - Connecticut River	CT-HR-51	Wethersfield 1.3 S	3.33"
0108020505	Roaring Brook - Connecticut River	CT-HR-68	Rocky Hill 1.3 E	3.77"
0108020505	Roaring Brook - Connecticut River	CT-HR-22	East Hartford 1.3 E	3.96"
0108020505	Roaring Brook - Connecticut River	CT-HR-7	Central Manchester 2.7 SW	4.78"
0108020506	Mattabeset River	CT-HR-15	Southington 3.0 E	3.13"
0108020507	Higganum Creek - Connecticut River	CT-MD-2	Portland 0.9 S	2.91"
0108020507	Higganum Creek - Connecticut River	CT-MD-23	Higganum 0.7 N	3.59"
0108020508	Salmon River	CT-MD-22	East Hampton 2.1 N	2.88"
0108020509	Eightmile River - Connecticut River	CT-MD-19	Ivoryton 0.9 WSW	2.39"
01080206	Westfield			
0108020601	Headwaters Westfield River	MA-HS-7	Plainfield 2.2 SW	5.21"
01080207	Farmington			
0108020701	Still River	CT-LT-15	Colebrook 1.0 NE	4.45"
0108020702	West Branch Farmington River	MA-BE-4	Becket 5.6 SSW	5.77"
0108020702	West Branch Farmington River	CT-LT-18	New Hartford Center 1.5 N	4.58"
0108020704	Headwaters Farmington River	CT-LT-9	New Hartford Center 3.2 SW	3.62"
0108020704	Headwaters Farmington River	CT-HR-71	Bristol 2.7 NNE	4.02"

0108020704	Headwaters Farmington River	CT-HR-28	North Canton 0.8 SSW	4.95"
0108020705	Salmon Brook	CT-HR-60	North Granby 0.7 N	5.11"
0108020705	Salmon Brook	CT-HR-8	North Granby 1.3 ENE	5.61"
01090001	Charles			
0109000101	Plum Island Sound - Frontal Atlantic Ocean	MA-ES-24	Newburyport 0.8 SW	3.79"
0109000102	Ipswich River	MA-MD-45	Wilmington 1.5 NE	4.81"
0109000102	Ipswich River	MA-ES-12	Boxford 2.4 S	3.91"
0109000102	Ipswich River	MA-ES-2	Beverly 2.8 NW	3.59"
0109000103	Essex River - Frontal Atlantic Ocean	MA-ES-41	Danvers 0.8 ESE	3.29"
0109000103	Essex River - Frontal Atlantic Ocean	MA-ES-25	Gloucester 4.3 N	3.99"
0109000103	Essex River - Frontal Atlantic Ocean	MA-ES-22	Rockport 1.0 E	3.11"
0109000104	Saugus River - Frontal Broad Sound	MA-ES-45	Nahant 0.4 N	3.97"
0109000104	Saugus River - Frontal Broad Sound	MA-ES-8	Marblehead 0.8 SW	3.26"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-7	Winchester 0.7 SE	3.78"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-44	Medford 1.2 W	4.52"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-11	Cambridge 0.9 NNW	4.24"
0109000106	Upper Charles River	MA-WR-1	Milford 2.3 NNW	3.30"
0109000106	Upper Charles River	MA-MD-106	Holliston 2.4 W	3.03"
0109000106	Upper Charles River	MA-MD-55	Holliston 0.7 W	3.03"
0109000106	Upper Charles River	MA-MD-42	Holliston 0.8 S	2.71"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-119	Watertown 1.1 W	4.26"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-74	Somerville 0.7 SSE	3.20"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-SF-1	Boston 0.5 WSW	2.78"
0109000108	Neponset River - Frontal Boston Harbor	MA-NF-1	Norwood 1.3 NW	2.62"
0109000108	Neponset River - Frontal Boston Harbor	MA-SF-17	Dorchester 1.8 ENE	3.20"
0109000109	Whitmans Pond - Frontal Boston Harbor	MA-NF-5	Weymouth 0.5 NW	3.31"
01090002	Cape Cod			
0109000201	North River - Frontal Massachusetts Bay	MA-PL-43	Hanson 0.7 NW	2.61"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-5	Kingston 3.3 WNW	3.68"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-37	Scituate 1.2 NW	2.77"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-30	Duxbury 3.7 W	3.36"
0109000202	Cape Cod	MA-BA-8	Falmouth 1.8 WSW	4.20"
0109000202	Cape Cod	MA-BA-2	Falmouth 3.1 NNW	3.59"
0109000202	Cape Cod	MA-BA-57	Falmouth 5.7 N	3.66"
0109000202	Cape Cod	MA-BA-13	Falmouth 0.6 NNW	3.23"
0109000202	Cape Cod	MA-BA-50	Falmouth 5.4 NNE	2.93"
0109000202	Cape Cod	MA-BA-17	East Falmouth 1.2 WNW	3.10"
0109000202	Cape Cod	MA-BA-19	East Falmouth 0.7 NW	3.49"
0109000202	Cape Cod	MA-BA-3	Falmouth 3.0 E	2.80"
0109000202	Cape Cod	MA-BA-47	Mashpee 2.4 WSW	3.61"
0109000202	Cape Cod	MA-BA-45	Sandwich 0.9 NNE	3.40"
0109000202	Cape Cod	MA-BA-10	East Sandwich 2.3 SE	5.32"

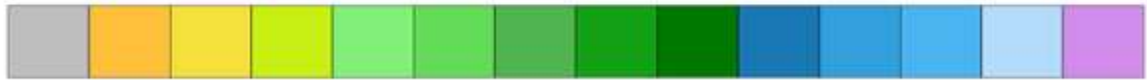
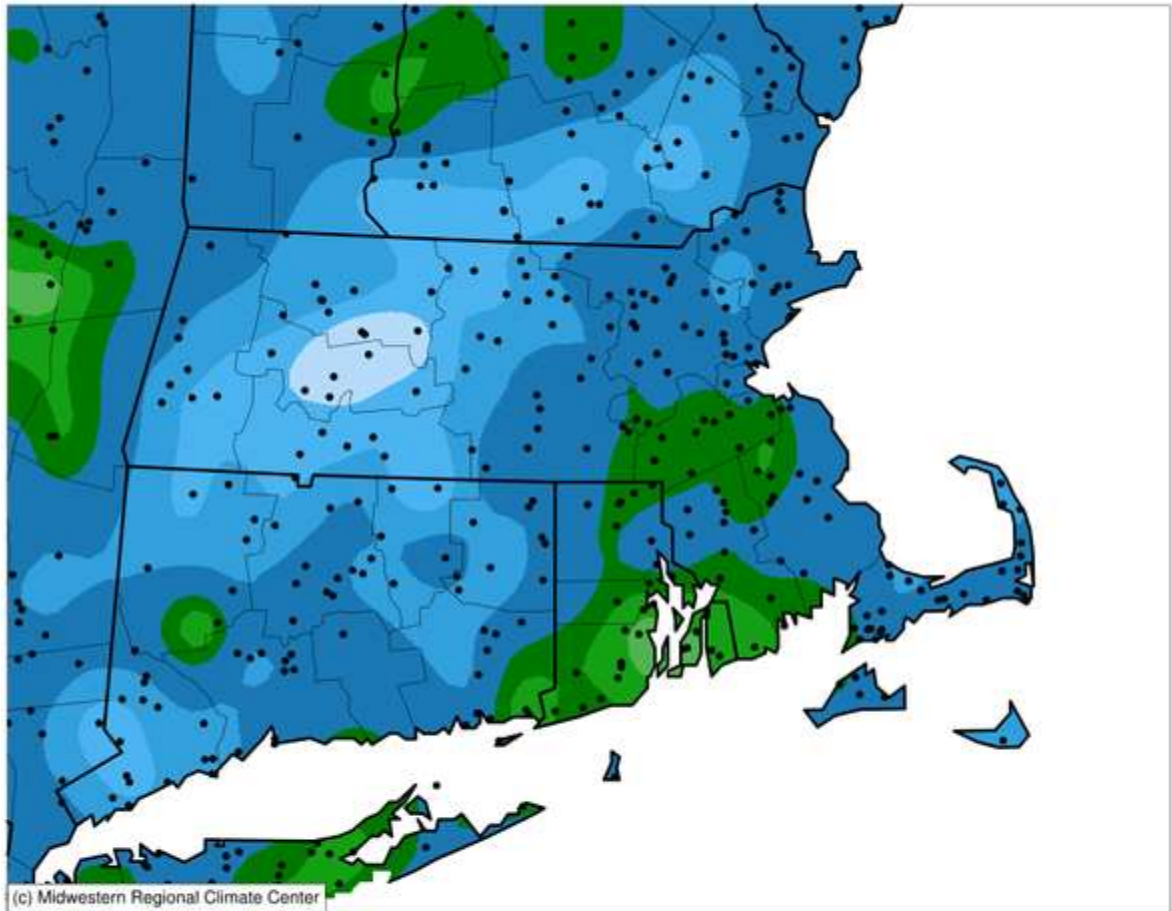
0109000202	Cape Cod	MA-BA-59	Barnstable 3.6 W	4.59"
0109000202	Cape Cod	MA-BA-22	Yarmouth 0.9 NNW	3.72"
0109000202	Cape Cod	MA-BA-33	Brewster 1.5 ESE	3.16"
0109000202	Cape Cod	MA-BA-52	Truro 0.8 E	4.81"
0109000202	Cape Cod	MA-BA-27	Wellfleet 0.7 NW	4.76"
0109000202	Cape Cod	MA-BA-68	Eastham 1.9 WSW	3.37"
0109000202	Cape Cod	MA-BA-51	Orleans 3.0 S	4.18"
0109000202	Cape Cod	MA-BA-12	Orleans 1.1 E	3.49"
0109000202	Cape Cod	MA-BA-7	Wellfleet 3.0 E	4.51"
0109000202	Cape Cod	MA-BA-30	Eastham 0.6 SW	3.79"
0109000202	Cape Cod	MA-BA-43	Chatham 0.4 WSW	2.93"
0109000202	Cape Cod	MA-BA-65	Chatham 0.2 SSE	3.44"
0109000203	Mattapoissett River - Frontal Buzzards Bay	MA-PL-19	Rochester 1.2 NNW	2.88"
0109000203	Mattapoissett River - Frontal Buzzards Bay	MA-BA-64	Sandwich 1.5 SSE	3.35"
0109000204	Paskamanset River - Frontal Buzzards Bay	MA-BR-14	Dartmouth 2.5 SSW	2.34"
0109000204	Paskamanset River - Frontal Buzzards Bay	MA-BR-52	New Bedford 4.3 N	2.64"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-5	Little Compton 1.7 NW	1.74"
0109000205	Sakonnet Point - Frontal Rhode Island Sound	RI-NW-7	Little Compton 0.6 E	1.90"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-5	West Tisbury 2.9 N	2.77"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-9	West Tisbury 0.4 S	2.73"
0109000207	Nantucket Island	MA-NT-1	Nantucket 3.8 WNW	5.40"
01090003	Blackstone			
0109000301	Upper Blackstone River	MA-WR-41	Auburn 2.6 SW	3.76"
0109000301	Upper Blackstone River	MA-WR-43	Leicester 2.4 ESE	3.37"
0109000302	Lower Blackstone River	RI-PR-50	Harrisville 1.2 SSE	3.48"
0109000302	Lower Blackstone River	RI-PR-28	North Smithfield 0.7 SE	2.82"
0109000302	Lower Blackstone River	MA-NF-26	Bellingham 2.4 S	3.23"
0109000302	Lower Blackstone River	RI-PR-59	Cumberland Hill 0.9 NW	2.66"
0109000302	Lower Blackstone River	RI-PR-55	Cumberland Hill 3.3 NE	2.52"
01090004	Narragansett			
0109000401	Upper Taunton River	MA-BR-30	Taunton 3.9 N	3.15"
0109000401	Upper Taunton River	MA-NF-31	Stoughton 1.2 E	3.57"
0109000401	Upper Taunton River	MA-PL-22	East Bridgewater 0.3 WSW	2.86"
0109000401	Upper Taunton River	MA-PL-15	Abington 1.2 NNE	1.72"
0109000401	Upper Taunton River	MA-PL-23	Pembroke 2.8 SW	2.23"
0109000402	Middle Taunton River	MA-PL-31	Bridgewater 1.8 SE	2.52"
0109000402	Middle Taunton River	MA-PL-17	Plympton 0.9 NNE	3.91"
0109000403	Threemile River	MA-NF-19	Foxborough 1.8 SSW	2.59"
0109000403	Threemile River	MA-BR-33	Taunton 2.4 W	3.02"
0109000403	Threemile River	MA-BR-9	Taunton 2.6 NW	3.03"
0109000404	Ten Mile River	MA-BR-23	Attleboro 0.9 ENE	3.27"
0109000405	Wonnasquatucket River-Moshassuck River	RI-PR-33	Greenville 0.7 NNW	2.63"

0109000405	Woonasquatucket River-Moshassuck River	RI-PR-51	North Smithfield 0.6 S	2.75"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-60	North Providence 0.9 E	3.74"
0109000405	Woonasquatucket River-Moshassuck River	RI-PR-53	Providence 1.7 N	3.63"
0109000406	Pawtuxet River	RI-PR-57	Cranston 1.2 SSE	3.35"
0109000406	Pawtuxet River	RI-KN-18	Warwick 2.3 NW	2.72"
0109000406	Pawtuxet River	RI-PR-17	Cranston 4.1 E	3.72"
0109000406	Pawtuxet River	RI-PR-44	Cranston 4.2 ENE	2.78"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-3	Norton 1.8 NNE	3.14"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-16	Somerset 0.4 SSE	2.40"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-19	Somerset 2.0 NNE	2.51"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-8	Dighton 1.1 WSW	3.04"
0109000409	Narragansett Bay	RI-WS-31	Kingston 7.5 NNE	2.05"
0109000409	Narragansett Bay	RI-KN-2	East Greenwich 2.3 ESE	1.97"
0109000409	Narragansett Bay	RI-PR-32	Providence 2.3 NE	3.93"
0109000409	Narragansett Bay	RI-BR-5	Barrington 1.3 WNW	2.79"
0109000409	Narragansett Bay	RI-NW-4	Middletown 1.1 SW	1.14"
0109000409	Narragansett Bay	RI-NW-19	Portsmouth 2.3 S	1.85"
0109000409	Narragansett Bay	RI-NW-16	Portsmouth 1.3 S	2.25"
0109000409	Narragansett Bay	RI-NW-20	Tiverton 1.0 SSW	2.25"
01090005	Pawcatuck-Wood			
0109000501	Wood River	RI-WS-1	Hope Valley 3.7 S	2.60"
0109000502	Upper Pawcatuck River	RI-WS-46	Westerly 3.4 E	2.94"
0109000502	Upper Pawcatuck River	RI-WS-42	Richmond 4.6 NNE	2.00"
0109000502	Upper Pawcatuck River	RI-WS-45	Charlestown 4.7 NNE	2.49"
0109000502	Upper Pawcatuck River	RI-WS-32	Kingston 6.9 NNW	1.72"
0109000503	Lower Pawcatuck River	CT-NL-40	Pawcatuck 1.8 SSE	1.89"
0109000504	Frontal Block Island Sound	RI-WS-36	Charlestown 3.0 WSW	3.23"
0109000504	Frontal Block Island Sound	RI-WS-26	Charlestown 1.1 ENE	2.56"
01100001	Quinebaug			
0110000102	French River	MA-WR-68	Oxford 0.9 SSW	3.27"
0110000103	Fivemile River	CT-WN-6	Dayville 2.0 ENE	4.21"
0110000103	Fivemile River	CT-WN-4	East Killingly 1.3 SW	3.51"
0110000105	Mossup River	CT-WN-8	Moosup 1.7 NE	3.83"
0110000106	Pachaug River	CT-NL-21	Griswold 0.9 N	3.39"
01100002	Shetucket			
0110000201	Willimantic River	CT-TL-18	Hebron 5.3 NW	4.73"
0110000201	Willimantic River	CT-TL-2	Staffordville 0.4 NNW	6.71"
0110000202	Natchaug River	CT-WN-12	Eastford 2.0 W	4.09"
0110000203	Shetucket River	CT-WN-10	South Windham 1.3 NNE	4.41"
0110000203	Shetucket River	CT-NL-10	Norwich 2.5 NNE	3.87"
0110000203	Shetucket River	CT-NL-28	Lisbon 2.0 SW	3.97"
01100003	Thames			

0110000302	Thames River-Frontal New London Harbor	CT-NL-5	Oakdale 2.6 WNW	5.24"
0110000302	Thames River-Frontal New London Harbor	CT-NL-6	New London 1.0 NNW	3.10"
0110000302	Thames River-Frontal New London Harbor	CT-NL-8	Uncasville-Oxoboxo Valley 1.6 ENE	5.35"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-38	Old Lyme 3.4 ESE	3.48"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-32	Niantic 1.1 SW	3.11"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-22	Central Waterford 2.7 SSW	2.95"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-24	Stonington 1.4 NNW	1.68"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-18	Stonington 0.5 NNE	1.75"
01100004	Quinnipiac			
0110000401	Quinnipiac River	CT-NH-14	Prospect 1.9 ENE	4.23"
0110000401	Quinnipiac River	CT-NH-44	Wallingford Center 1.9 WNW	4.59"
0110000401	Quinnipiac River	CT-NH-43	Wallingford Center 3.3 NNW	3.86"
0110000401	Quinnipiac River	CT-NH-42	Wallingford Center 1.1 N	4.44"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-21	East Haven 3.5 SSW	3.20"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-41	Madison Center 1.6 W	2.98"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-50	Madison Center 4.1 N	3.28"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-MD-21	Killingworth 2.6 ESE	3.37"
0110000403	Mill River - Frontal Long Island Sound	CT-NH-16	Milford 1.8 E	4.75"
01100005	Housatonic			
0110000501	Headwaters Housatonic River	MA-BE-11	Great Barrington 3.0 N	4.34"
0110000501	Headwaters Housatonic River	MA-BE-3	Stockbridge .2 NNE	5.07"
0110000501	Headwaters Housatonic River	MA-BE-10	Pittsfield 2.0 NNW	4.02"
0110000501	Headwaters Housatonic River	MA-BE-5	Tyringham 1.5 WNW	5.31"
0110000503	Konkapot River-Housatonic River	CT-LT-24	Salisbury 3.8 NE	4.08"
0110000506	Candlewood Lake-Housatonic River	CT-LT-22	New Milford 5.3 SSW	3.42"
0110000508	Still River - Housatonic River	CT-FR-43	Bethel 0.5 E	5.12"
0110000508	Still River - Housatonic River	CT-FR-41	Bethel 3.5 NNE	4.25"
0110000508	Still River - Housatonic River	CT-FR-9	Brookfield 3.3 SSE	4.42"
0110000509	Pomperaug River	CT-LT-16	Woodbury Center 1.9 WNW	4.72"
0110000512	Outlet Naugatuck River	CT-NH-47	Seymour 1.5 NE	3.95"
0110000512	Outlet Naugatuck River	CT-NH-45	Naugatuck 1.7 NNE	4.05"
0110000512	Outlet Naugatuck River	CT-NH-22	Prospect 0.5 SW	4.34"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-42	Monroe 0.1 SE	4.56"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-23	Shelton 1.3 W	4.05"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-46	Stratford 0.2 ESE	4.31"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-55	Shelton 2.7 SSE	4.58"
01100006	Saugatuck			
0110000601	Saugatuck River - Frontal Long Island Sound	CT-FR-58	Ridgefield 3.6 N	5.52"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-29	Ridgefield 1.9 SSE	6.15"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-3	New Canaan 1.9 ENE	4.68"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-25	Norwalk 2.9 NNW	5.85"
0110000604	Mianus River-Rippowam River	CT-FR-39	Stamford 4.2 S	4.25"

0110000604	Mianus River-Rippowam River	CT-FR-50	Darien 2.8 NW	5.10"
02020003	Hudson-Hoosic			
0202000306	Upper Hoosic River	MA-BE-18	North Adams 3.0 WNW	3.57"
02030203	Long Island Sound			
0203020300	Long Island Sound	NY-SF-114	Fishers Island 0.5 NE	4.25"

Accumulated Precipitation (in)
 June 01, 2018 to June 30, 2018



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: 7/10/2018 5:53:21 AM CDT

“We do not live at the airport”

Variability among the airports too. But do compare your station’s total to a nearby airport.

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

Location	Station ID	June 2018 Precip	Jun departure from normal	Apr-May-Jun Precip	3 month departure from normal	Jan-Jun Precip	6 month departure from normal	Jul-Jun Precip	12 month departure from normal
White Plains NY	HPN	3.53"	-0.72"	11.79"	-0.98"	21.15"	-2.91"	37.34"	-12.01"
Danbury CT	DXR	5.13"	0.65"	11.95"	-1.21"	21.58"	-1.81"	38.38"	-11.49"
New Haven CT	HVN	2.44"	-1.58"	10.73"	-1.90"	20.38"	-2.62"	35.72"	-11.39"
Meriden CT	MMK	3.50"	-0.52"	12.11"	-0.52"	23.41"	0.41"	42.60"	-4.51"
Hartford CT	HFD	3.15"	-0.84"	10.73"	-1.03"	20.72"	-0.41"	40.72"	-2.88"
Willimantic CT	IJD	2.18"	-1.87"	9.75"	-2.72"	20.95"	-2.37"	40.34"	-8.08"
New London CT	GON	2.96"	-1.15"	9.68"	-2.69"	14.86"	-7.80"	30.76"	-15.73"
Westerly RI	WST	2.25"	-1.43"	8.18"	-3.93"	22.35"	-0.98"	41.04"	-6.35"
Newport RI	UUU	1.47"	-2.35"	7.95"	-3.94"	24.43"	1.24"	42.50"	-3.83"
New Bedford MA	EWB	2.46"	-1.49"	9.34"	-2.80"	27.01"	2.39"	46.34"	-2.02"
Hyannis MA	HYA	2.88"	-0.67"	8.51"	-3.05"	24.49"	0.41"	53.98"	6.29"
Nantucket MA	ACK	4.30"	0.81"	8.74"	-1.91"	30.70"	9.47"	57.62"	13.20"
Marthas Vineyard MA	MVY	2.94"	-0.38"	8.85"	-1.62"	22.81"	1.20"	45.02"	-0.14"
Taunton MA	TAN	3.19"	-0.44"	10.82"	-1.01"	27.77"	3.29"	47.96"	-1.78"
Plymouth MA	PYM	3.90"	-0.05"	11.15"	-1.13"	28.25"	3.43"	47.65"	-1.50"
Norwood MA	OWD	2.05"	-1.90"	9.60"	-2.22"	23.65"	0.70"	42.12"	-4.94"
Bedford MA	BED	3.49"	-0.43"	11.06"	-0.80"	19.58"	-3.01"	37.11"	-8.60"
Beverly MA	BVY	3.44"	-0.20"	10.00"	-1.81"	20.25"	-2.76"	34.49"	-11.69"
Lawrence MA	LWM	3.57"	-0.50"	8.90"	-2.75"	15.49"	-5.95"	30.71"	-12.45"
Fitchburg MA	FIT	4.74"	0.49"	11.75"	-0.68"	20.67"	-2.49"	43.82"	-3.32"
Westfield MA	BAF	5.04"	0.69"	12.35"	-0.81"	22.34"	-1.01"	39.37"	-9.02"
North Adams MA	AQW	3.10"	-1.86"	7.88"	-5.02"	15.65"	-6.03"	32.33"	-14.28"

June 2018 as a calendar. A count of your Daily Reports by Date. Magenta colors are for the highest counts. Lime green color for the lowest counts.

Our average was 282 Daily Reports per day, same as last month. It's almost too easy to see which days we reported precipitation and which days we did not. 3 days of 300 reports and higher with 5 more days very close to 300 reports. Keep on growing.

June 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 303	2 283
3 274	4 292	5 300	6 294	7 280	8 277	9 270
10 269	11 276	12 282	13 282	14 286	15 282	16 269
17 268	18 272	19 307	20 279	21 283	22 271	23 270
24 282	25 298	26 282	27 278	28 299	29 297	30 268

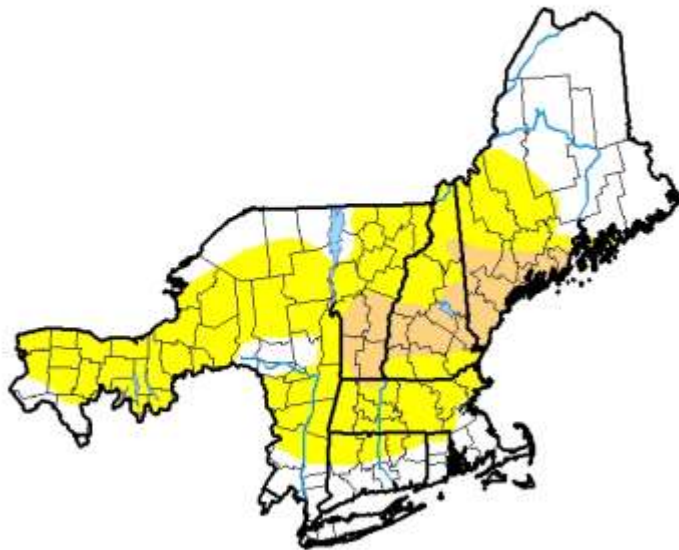
From the Drought Monitor.

D1 is creeping into Maine, New Hampshire and Vermont. Pleased to see so many Condition Monitoring Reports in June.

Every drop counts and zeros do too!

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

July 3, 2018
(Released Thursday, Jul. 5, 2018)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	38.30	50.14	11.56	0.00	0.00	0.00
Last Week 06-26-2018	41.70	46.74	11.56	0.00	0.00	0.00
3 Months Ago 04-03-2018	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-02-2018	88.74	11.26	0.00	0.00	0.00	0.00
Start of Water Year 09-26-2017	70.12	22.15	7.74	0.00	0.00	0.00
One Year Ago 07-04-2017	98.74	1.26	0.00	0.00	0.00	0.00

Intensity:

- 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. See accompanying text summary for forecast statements.

Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



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

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

Anniversary Celebration



Didn't anyone else think of a 4" diameter.... cake?

Keep celebrating our 20th Anniversary.

Learn about our network from the Messages on the [website](#).

If anyone has questions about the history or the structure of our network, feel free to ask.

Gauge Photo



CT-NL-18

Wrap up

Days and possibly more than a week with no precipitation. And then comes that one-hour downpour. Significant Weather Reports are a supplemental and real-time report that only takes minutes to alarm a Forecaster's screen.

As we continue to celebrate our network's 20th Anniversary, this July 28 will mark the 21st year since the Spring Creek Flood in Fort Collins Colorado, the significant event that gave CoCoRaHS its start.

Clear skies day and night, reports of "T" for trace or 0.01" do stand out like a sore thumb. If you are new to the crew, know what to do about dew when you see dew on the gauge at your morning observation. Check for confirming cues of wet pavement, cloud cover, larger droplets on the funnel, or passing showers before reporting that small amount of liquid found in your inner cylinder. If you have your doubts or uncertainties about what fell from the sky or from dew, write them out in a Comment.

This Newsletter concludes the 3rd year of Monthly Newsletters. Summertime relaxation and reflection is how and where this Newsletter started. In turn, some of that reflection is asked of you. We have made a few changes within the format of this Newsletter from Map of the Month to a random number of complete reporting stations to "The Grand List" to 12 month totals of precip from the NWS sites to Stations by Watershed to Calendar of Reports to "We do not live at the airport" and "Rulers of the Snow"

The next change we are considering is having an "Observer of the Month" article featuring one of you. How you got started. Why you like CoCoRaHS. What have you learned, and so on. Pictures are optional. It is going to be awkward if we have only a small number of Observers that reply with interest and it stops so we would like to see if several of you are interested in something like that.

Any other changes within the Newsletter? Anything you like more than others within the Newsletter? Do let us know of your ideas.

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