



# Southern



# New England

**January 2017**

Winter arrived and so did the wind, the cold, the rain and the snow. Our observers continue to define every day where the snow is and where the snow is not.

All of our counties saw accumulating snow in December, more to the north and west sections of our area. More is mentioned about our network custom, SWE Mondays, and about snow reporting.

January is a time to look within. A time to look at your account and see what you entered when you first joined. A time to look at webinars that CoCoRaHS HQ has created over the past 5 years.

Welcome to all of our new observers, coming to us during our time of measuring and reporting rain and snow.

## **A time to look within – My Account**

Year 2016 saw tremendous growth in our 3 small states. 154 new observers joined and submitted their first report. While winter causes us to pause in our recruiting efforts, we would like all of you to look at your account information.

Let us all take a moment and make sure that the information you gave at registration time is correct. To look at the information you gave, from the website, login to your CoCoRaHS account and click on “My Account”



Towards the bottom of the next screen, a box such as the one below appears. Click on the word, “View”

My Stations						
Station Number	Station Name	Type	State	County	Details	PRISM Portal
		CoCoRaHS			<a href="#">View</a>	<a href="#">PRISM Data</a>

Please check the validity of all of your information. If some element needs to be changed, please contact your local Coordinator.

## **Snow Reporting - SWE Mondays**

A network wide custom is upon us, a custom where we measure the snow depth on the ground, find where that average snow depth is, and with your outer cylinder turned upside down, cut a core into the snow pack, bringing that core indoors to melt it. The melted amount is the snow water equivalent or SWE.

Rather than cut cores into the snowpack every day, we perform this custom with Monday morning's report.

This [animated video](#) explains this custom in more details.

Please make a snow depth report with every report, rounded to the nearest ½". If you have no snow on the ground, that is the easiest report of all to make, report 0 for snow depth.

On Mondays, please report the snow water equivalent of that average snow depth. If many of us participate in this, our efforts multiply in value.

## **Snow Reporting**

The snowflakes started accumulating in more places. So did the number of reporting mistakes made during December. A few things to pass along to everyone about reporting, with safety in mind.

- The earlier you make your measurement and report, the more people will see it and make use of it. Daily Reports made in the late morning, afternoon or evening go to your reporting record, but are seen and used by very few people for that day.
- Precipitation is the quantity of water. Turn into water what falls in your gauge, with a measured quantity of hot tap water. That should be the 1<sup>st</sup> value that you report and is what gets added to your precipitation total for the week, month and longer. Never to be confused with or added to your new snowfall amount.
- A document called "Snow Guide" has been placed on our [State sites](#) to further explain tools, skills and scenarios that occur with snow reporting. This document is one that is to be changed as we all experience something new, and we receive input from you about it.

## **Detail and Summary for December 2016**

From the National Weather Service (NWS) Climate sites for Dec 2016.

Location	Station ID	Dec 2016 Precip	Dec departure from normal	Oct-Nov-Dec Precip	3 month departure from normal	Jul-Dec Precip	6 month departure from normal
Pittsfield MA	PSF	3.02"	0.02"	9.72"	-1.94"	18.36"	-5.60"
Bridgeport CT	BDR	3.43"	0.10"	11.91"	1.45"	22.60"	1.24"
Hartford CT	BDL	2.73"	-0.71"	7.96"	-3.03"	16.77"	-6.21"
Worcester MA	ORH	3.80"	-0.02"	14.26"	1.50"	23.55"	-1.08"
Providence RI	PVD	3.14"	-1.08"	11.43"	-0.15"	20.83"	-1.56"
Boston MA	BOS	3.25"	-0.53"	11.41"	0.23"	15.38"	-6.02"

The rain that fell on November 30, and was reported on December 1, made our station totals appear more normal.

The first accumulating snow occurred on the early morning of the 5<sup>th</sup>, subfreezing cold arrived for the 10<sup>th</sup> -11<sup>th</sup>, wind gusts blew strong on the 15<sup>th</sup>, our first widespread snow on Saturday morning 17<sup>th</sup>, thawing afterwards, rain on the 24<sup>th</sup>, and on the 29<sup>th</sup>.

More precipitation fell towards the north and west and less towards Cape Cod and the Islands, as our totals and the precipitation map points out.

Collectively, Daily Comments increased 50% from last month to a new record this month. Keep making Comments with every report of precipitation. You never know if your report is unique in some way.

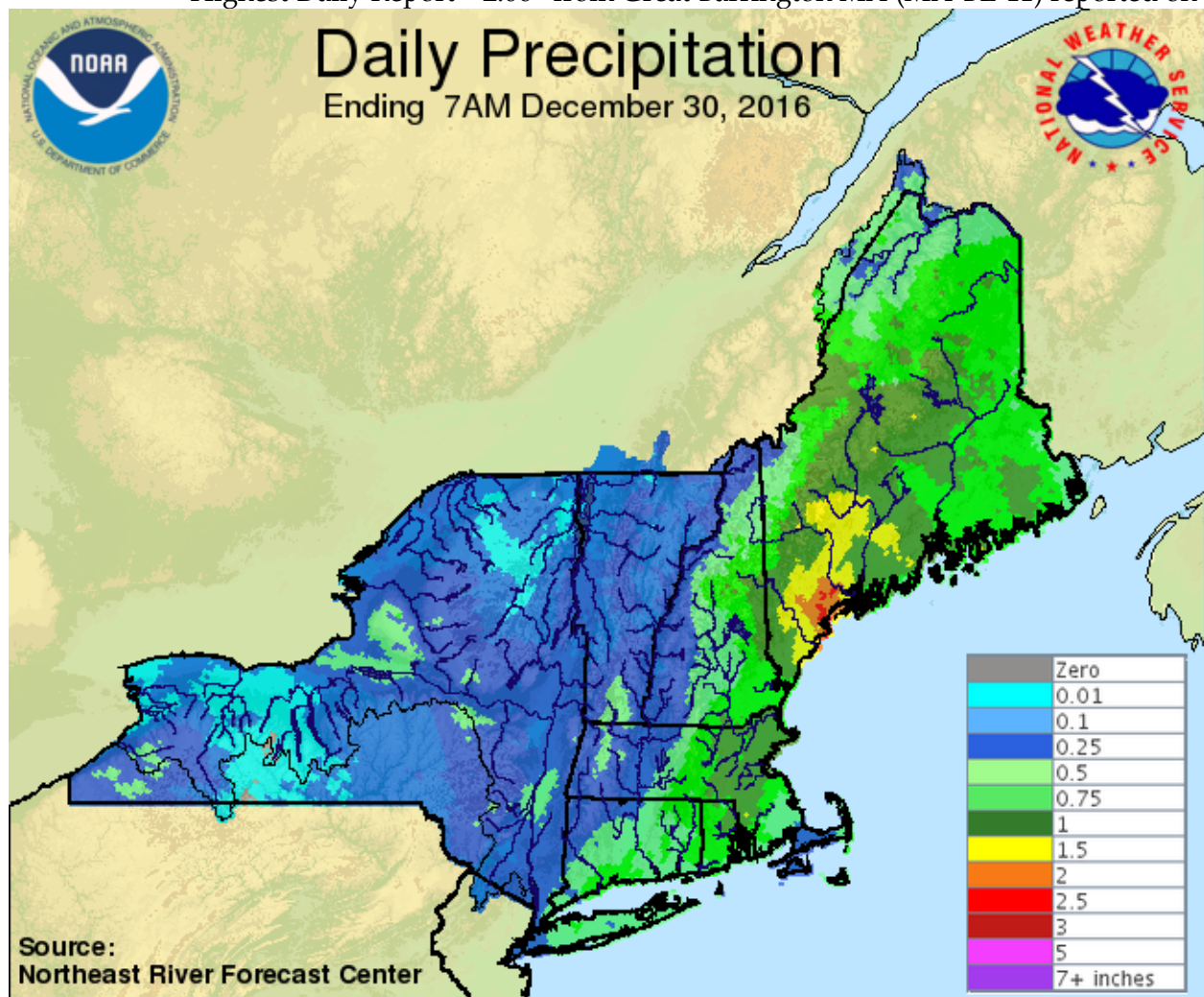
Our snowfall reports jumped 8% and our snow depth reports jumped 78% from last month. Please keep making snowfall and snow depth reports every day, even when it rains. You will see in a new section, we are "Rulers of the Snow"

Connecticut broke its one month reporting record, at 2290 Daily Reports. Over 10 stations reported NA for precip during the month, which understated the totals for the month, so they were excluded from the list.

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

## From your reports for December 2016

Observers reporting	285
Reported all 31 days	127
Completed by Multi-Day Reports	29
Missing 1 or 2 reports	16
Daily Reports	6836
Zero Reports	3425
Non-Zero Reports	3411
Daily Comments	1807
Multi-Day Reports	143
Condition Monitoring Reports	23
Significant Weather Reports	23
Hail Reports	1
Snowfall Reports	4205
Snow Depth Reports	2204
Highest Daily Report	2.06" from Great Barrington MA (MA-BE-11) reported on 12/1



<b>Watershed</b>	<b>Watershed Name</b>	<b>Station</b>	<b>Station Name</b>	<b>Precip</b>
01070004	Nashua			
0107000401	North Nashua River	MA-WR-8	Fitchburg 1.6 SSW	4.12"
0107000401	North Nashua River	MA-WR-13	Leominster 1.5 S	4.89"
0107000403	Squannacook River	MA-MD-47	West Townsend 0.5 W	4.69"
0107000403	Squannacook River	MA-MD-36	Townsend 2.6 S	4.68"
01070005	Concord			
0107000502	Concord River	MA-WR-28	Berlin 1.3 WSW	4.67"
0107000502	Concord River	MA-WR-42	Northborough 2.3 N	4.35"
0107000502	Concord River	MA-MD-12	Acton 1.3 SW	5.22"
0107000502	Concord River	MA-MD-51	Maynard 0.7 ESE	4.64"
0107000502	Concord River	MA-MD-62	Chelmsford 1.2 E	4.00"
01070006	Merrimack River			
0107000613	Shawsheen River	MA-MD-52	Lexington 0.6 SW	4.47"
0107000614	Powwow River - Merrimack River	MA-ES-3	Haverhill 3.6 WNW	4.63"
0107000614	Powwow River - Merrimack River	MA-ES-20	Haverhill 0.7 N	4.46"
0107000614	Powwow River - Merrimack River	MA-ES-4	Groveland 0.5 WSW	3.68"
01080201	Middle Connecticut			
0108020106	Manhan River - Connecticut River	MA-HS-2	Westhampton 1.8 SW	5.55"
0108020106	Manhan River - Connecticut River	MA-HS-8	Williamsburg 1.2 WSW	5.02"
0108020106	Manhan River - Connecticut River	MA-HS-10	Northampton 1.6 NE	4.60"
0108020106	Manhan River - Connecticut River	MA-FR-12	Sunderland 1.3 SE	4.81"
0108020107	Batchelor Brook - Connecticut River	MA-HD-13	Springfield 4.1 W	3.52"
01080202	Miller			
0108020202	Lower Millers River	MA-WR-39	Gardner 1.2 SW	5.41"
01080203	Deerfield			
0108020305	Lower Deerfield River	MA-FR-17	Buckland 1.8 ESE	4.90"
0108020305	Lower Deerfield River	MA-FR-13	Conway 2.9 NW	5.07"
0108020305	Lower Deerfield River	MA-FR-10	Conway 0.9 SW	5.03"
01080204	Chicopee			
0108020402	Ware River	MA-WR-54	Barre 1.4 NNE	4.58"
01080205	Lower Connecticut			
0108020501	Mill River - Connecticut River	CT-HR-42	Enfield 2.3 NW	3.27"
0108020501	Mill River - Connecticut River	CT-HR-5	Enfield 1.5 SE	3.39"
0108020502	Scantic River	CT-TL-15	Central Somers 0.3 N	3.21"
0108020503	Park River	CT-HR-39	Farmington 1.6 SW	3.55"
0108020503	Park River	CT-HR-9	West Hartford 2.7 NNW	3.76"
0108020503	Park River	CT-HR-11	West Hartford 2.7 SSE	3.70"
0108020505	Roaring Brook - Connecticut River	CT-HR-6	Wethersfield 1.2 WSW	3.51"
0108020505	Roaring Brook - Connecticut River	CT-HR-22	East Hartford 1.3 E	3.59"
0108020505	Roaring Brook - Connecticut River	CT-HR-7	Central Manchester 2.7 SW	4.43"

0108020505	Roaring Brook - Connecticut River	CT-HR-40	Glastonbury Center 4.0 ENE	3.38"
0108020506	Mattabesset River	CT-HR-15	Southington 3.0 E	3.58"
0108020506	Mattabesset River	CT-HR-18	Berlin 2.4 SSE	4.17"
0108020506	Mattabesset River	CT-MD-12	Middletown 3.1 WNW	4.29"
0108020507	Higganum Creek - Connecticut River	CT-MD-2	Portland 0.9 S	3.74"
01080206	Westfield			
0108020601	Headwaters Westfield River	MA-HS-14	Plainfield 2.4 ESE	5.70"
01080207	Farmington			
0108020701	Still River	CT-LT-15	Colebrook 1.0 NE	4.36"
0108020702	West Branch Farmington River	MA-BE-4	Becket 5.6 SSW	5.34"
0108020704	Headwaters Farmington River	CT-LT-9	New Hartford Center 3.2 SW	3.88"
0108020704	Headwaters Farmington River	CT-HR-24	Collinsville 0.9 NW	3.91"
0108020704	Headwaters Farmington River	CT-HR-28	North Canton 0.8 SSW	4.09"
0108020705	Salmon Brook	CT-HR-8	North Granby 1.3 ENE	3.91"
0108020706	Outlet Farmington River	CT-HR-35	Weatogue 0.7 E	3.61"
01090001	Charles			
0109000102	Ipswich River	MA-MD-45	Wilmington 1.5 NE	4.41"
0109000102	Ipswich River	MA-ES-12	Boxford 2.4 S	4.36"
0109000103	Essex River - Frontal Atlantic Ocean	MA-ES-25	Gloucester 4.3 N	5.94"
0109000104	Saugus River - Frontal Broad Sound	MA-ES-8	Marblehead 0.8 SW	4.38"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-7	Winchester 0.7 SE	4.47"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-44	Medford 1.2 W	4.44"
0109000105	Mystic River - Frontal Boston Harbor	MA-MD-11	Cambridge 0.9 NNW	4.56"
0109000105	Mystic River - Frontal Boston Harbor	MA-SF-10	Chelsea 0.8 N	4.50"
0109000106	Upper Charles River	MA-WR-1	Milford 2.3 NNW	3.84"
0109000106	Upper Charles River	MA-MD-55	Holliston 0.7 W	4.03"
0109000106	Upper Charles River	MA-MD-42	Holliston 0.8 S	3.72"
0109000106	Upper Charles River	MA-NF-11	Millis 2.0 SW	3.42"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-MD-74	Somerville 0.7 SSE	3.77"
0109000107	Lower Charles River - Frontal Boston Harbor	MA-SF-1	Boston 0.5 WSW	3.20"
0109000108	Neponset River - Frontal Boston Harbor	MA-NF-1	Norwood 1.3 NW	3.58"
0109000109	Whitmans Pond - Frontal Boston Harbor	MA-NF-27	Quincy 1.5 SW	3.32"
01090002	Cape Cod			
0109000201	North River - Frontal Massachusetts Bay	MA-PL-5	Kingston 3.3 WNW	3.20"
0109000201	North River - Frontal Massachusetts Bay	MA-PL-2	Sagamore Beach 1.0 NW	3.07"
0109000202	Cape Cod	MA-BA-8	Falmouth 1.8 WSW	3.58"
0109000202	Cape Cod	MA-BA-17	East Falmouth 1.2 WNW	2.81"
0109000202	Cape Cod	MA-BA-3	Falmouth 3.0 E	3.17"
0109000202	Cape Cod	MA-BA-11	East Falmouth 1.4 ESE	2.93"
0109000202	Cape Cod	MA-BA-18	Waquoit 0.6 SSW	3.25"
0109000202	Cape Cod	MA-BA-45	Sandwich 0.9 NNE	3.22"

0109000202	Cape Cod	MA-BA-22	Yarmouth 0.9 NNW	2.99"
0109000202	Cape Cod	MA-BA-33	Brewster 1.5 ESE	2.85"
0109000202	Cape Cod	MA-BA-51	Orleans 3.0 S	3.20"
0109000202	Cape Cod	MA-BA-12	Orleans 1.1 E	2.68"
0109000202	Cape Cod	MA-BA-30	Eastham 0.6 SW	2.68"
0109000202	Cape Cod	MA-BA-43	Chatham 0.4 WSW	2.75"
0109000203	Mattapoissett River - Frontal Buzzards Bay	MA-PL-19	Rochester 1.2 NNW	2.96"
0109000204	Paskamanset River - Frontal Buzzards Bay	MA-BR-14	Dartmouth 2.5 SSW	4.08"
0109000204	Paskamanset River - Frontal Buzzards Bay	MA-BR-32	Acushnet 1.8 SSE	3.56"
0109000205	Skonnet Point - Frontal Rhode Island Sound	RI-NW-7	Little Compton 0.6 E	3.90"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-5	West Tisbury 2.9 N	4.05"
0109000206	Elizabeth Islands - Marthas Vineyard	MA-DK-2	Vineyard Haven 0.8 WSW	3.92"
01090003	Blackstone			
0109000301	Upper Blackstone River	MA-WR-41	Auburn 2.6 SW	4.00"
0109000301	Upper Blackstone River	MA-WR-43	Leicester 2.4 ESE	4.06"
0109000301	Upper Blackstone River	MA-WR-32	Auburn 1.9 ESE	3.95"
0109000301	Upper Blackstone River	MA-WR-48	Uxbridge 1.9 WSW	2.94"
0109000302	Lower Blackstone River	RI-PR-50	Harrisville 1.2 SSE	3.72"
0109000302	Lower Blackstone River	RI-PR-28	North Smithfield 0.7 SE	3.73"
0109000302	Lower Blackstone River	MA-NF-26	Bellingham 2.4 S	3.56"
01090004	Narragansett			
0109000401	Upper Taunton River	MA-BR-30	Taunton 3.9 N	2.93"
0109000401	Upper Taunton River	MA-PL-22	East Bridgewater 0.3 WSW	2.76"
0109000401	Upper Taunton River	MA-PL-24	Whitman 1.1 WSW	2.84"
0109000403	Threemile River	MA-BR-33	Taunton 2.4 W	3.38"
0109000404	Ten Mile River	MA-BR-17	North Attleboro 0.8 E	3.48"
0109000404	Ten Mile River	MA-BR-23	Attleboro 0.9 ENE	3.23"
0109000405	Wonnasquatucket River-Moshassuck River	RI-PR-33	Greenville 0.7 NNW	3.54"
0109000407	Palmer River	MA-BR-35	Swansea 4.6 WNW	3.16"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-3	Norton 1.8 NNE	3.42"
0109000408	Lower Taunton River - Frontal Mount Hope Bay	MA-BR-8	Dighton 1.1 WSW	3.24"
0109000409	Narragansett Bay	RI-WS-31	Kingston 7.5 NNE	3.71"
0109000409	Narragansett Bay	RI-KN-2	East Greenwich 2.3 ESE	3.86"
0109000409	Narragansett Bay	RI-PR-32	Providence 2.3 NE	3.35"
0109000409	Narragansett Bay	RI-NW-4	Middletown 1.1 SW	3.32"
0109000409	Narragansett Bay	RI-NW-11	Tiverton 0.8 SSW	3.27"
0109000409	Narragansett Bay	RI-NW-5	Little Compton 1.7 NW	3.73"
01090005	Pawcatuck-Wood			
0109000501	Wood River	RI-WS-25	Rockville 0.4 E	4.15"
0109000502	Upper Pawcatuck River	RI-WS-32	Kingston 6.9 NNW	3.80"
0109000502	Upper Pawcatuck River	RI-WS-37	Kingston 2.4 SW	3.86"

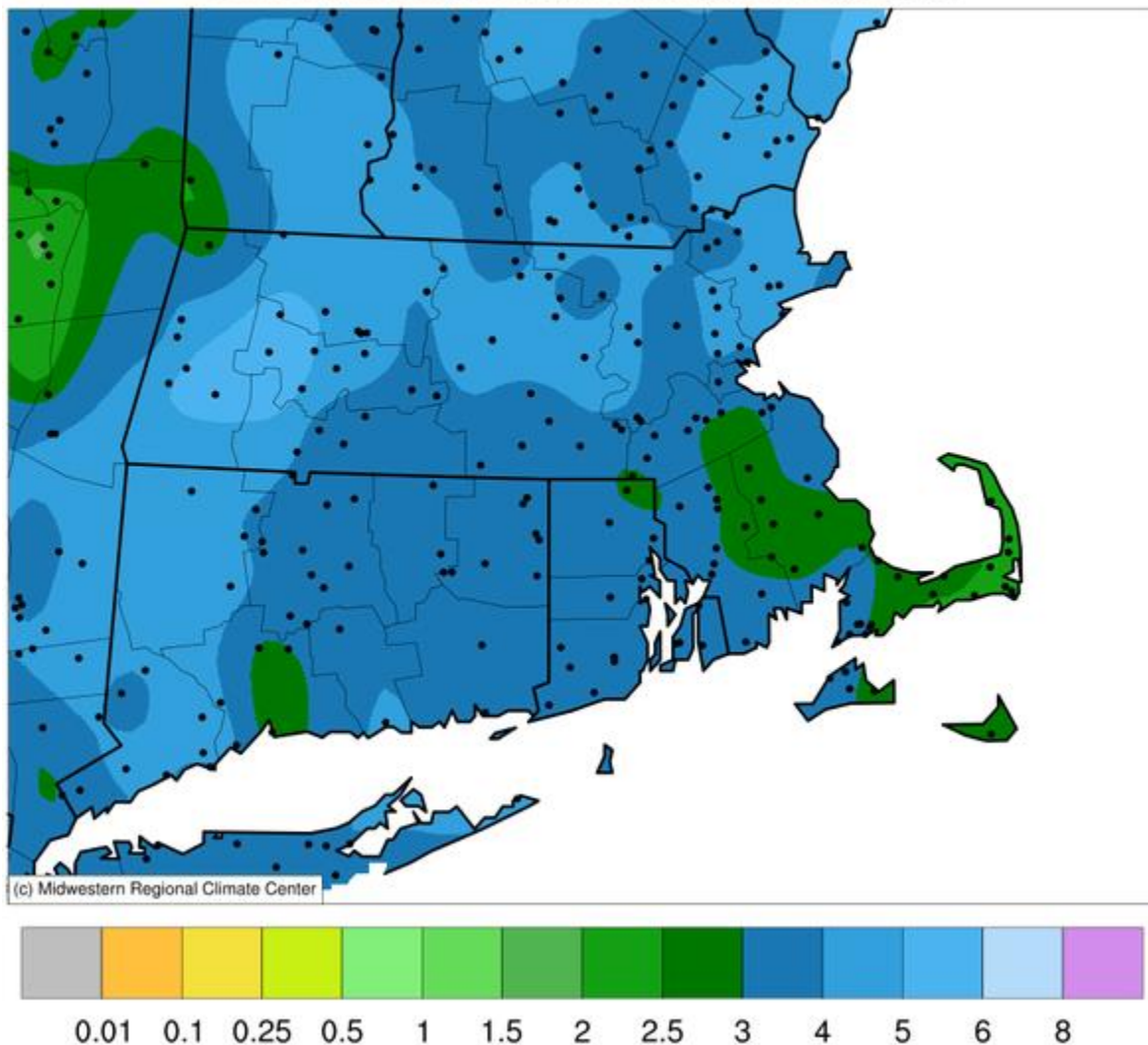


0109000503	Lower Pawcatuck River	RI-WS-35	Westerly 1.0 SW	3.89"
0109000504	Frontal Block Island Sound	RI-WS-36	Charlestown 3.0 WSW	4.20"
0109000504	Frontal Block Island Sound	RI-WS-26	Charlestown 1.1 ENE	3.56"
01100001	Quinebaug			
0110000103	Fivemile River	CT-WN-4	East Killingly 1.3 SW	3.51"
0110000105	Mossup River	CT-WN-8	Moosup 1.7 NE	3.40"
0110000106	Pachaug River	CT-NL-21	Griswold 0.9 N	3.82"
01100002	Shetucket			
0110000201	Willimantic River	CT-TL-14	Storrs 1.5 SW	4.03"
0110000201	Willimantic River	CT-TL-2	Staffordville 0.4 NNW	3.66"
0110000202	Natchaug River	CT-TL-4	Mansfield Center 1.9 SW	3.85"
0110000203	Shetucket River	CT-WN-11	Scotland 2.3 SSW	4.43"
0110000203	Shetucket River	CT-NL-10	Norwich 2.5 NNE	4.02"
01100003	Thames			
0110000302	Thames River-Frontal New London Harbor	CT-NL-7	Uncasville-Oxoboxo Valley 5.6 W	4.94"
0110000302	Thames River-Frontal New London Harbor	CT-NL-6	New London 1.0 NNW	4.20"
0110000302	Thames River-Frontal New London Harbor	CT-NL-8	Uncasville-Oxoboxo Valley 1.6 ENE	4.68"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-22	Central Waterford 2.7 SSW	3.87"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-23	Mystic 1.4 W	4.41"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-19	Mystic 0.9 W	3.81"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-24	Stonington 1.4 NNW	3.87"
0110000303	Mystic River - Frontal Fishers Island Sound	CT-NL-18	Stonington 0.5 NNE	3.85"
01100004	Quinnipiac			
0110000401	Quinnipiac River	CT-NH-30	Cheshire Village 2.2 SE	3.64"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-NH-21	East Haven 3.5 SSW	4.51"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-MD-5	Westbrook Center 1.1 N	4.21"
0110000402	Hammonasset River - Frontal Long Island Sound	CT-MD-11	Westbrook Center 1.5 NE	4.58"
0110000403	Mill River - Frontal Long Island Sound	CT-NH-16	Milford 1.8 E	4.98"
0110000403	Mill River - Frontal Long Island Sound	CT-NH-29	Hamden 3.0 WSW	4.20"
01100005	Housatonic			
0110000501	Headwaters Housatonic River	MA-BE-3	Stockbridge .2 NNE	5.21"
0110000501	Headwaters Housatonic River	MA-BE-10	Pittsfield 2.0 NNW	4.59"
0110000508	Still River - Housatonic River	CT-FR-41	Bethel 3.5 NNE	3.83"
0110000508	Still River - Housatonic River	CT-FR-9	Brookfield 3.3 SSE	4.02"
0110000510	Eightmile Brook - Housatonic River	CT-FR-44	Newtown 4.3 E	4.23"
0110000512	Outlet Naugatuck River	CT-NH-26	Prospect 1.5 NW	4.49"
0110000512	Outlet Naugatuck River	CT-NH-22	Prospect 0.5 SW	4.86"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-42	Monroe 0.1 SE	4.40"
0110000513	Housatonic River - Frontal Long Island Sound	CT-FR-23	Shelton 1.3 W	4.68"
01100006	Saugatuck			
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-29	Ridgefield 1.9 SSE	4.46"

0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-3	New Canaan 1.9 ENE	4.47"
0110000602	Norwalk River - Frontal Norwalk Harbor	CT-FR-25	Norwalk 2.9 NNW	4.36"
0110000603	Pequonnock River - Frontal Long Island Sound	CT-FR-20	Westport 2.5 ENE	4.12"
0110000604	Mianus River-Rippowam River	CT-FR-39	Stamford 4.2 S	4.17"
0110000604	Mianus River-Rippowam River	CT-FR-37	Stamford 0.4 WNW	4.37"
0110000604	Mianus River-Rippowam River	CT-FR-35	Darien 1.8 ENE	4.25"

## Accumulated Precipitation (in)

December 01, 2016 to December 31, 2016

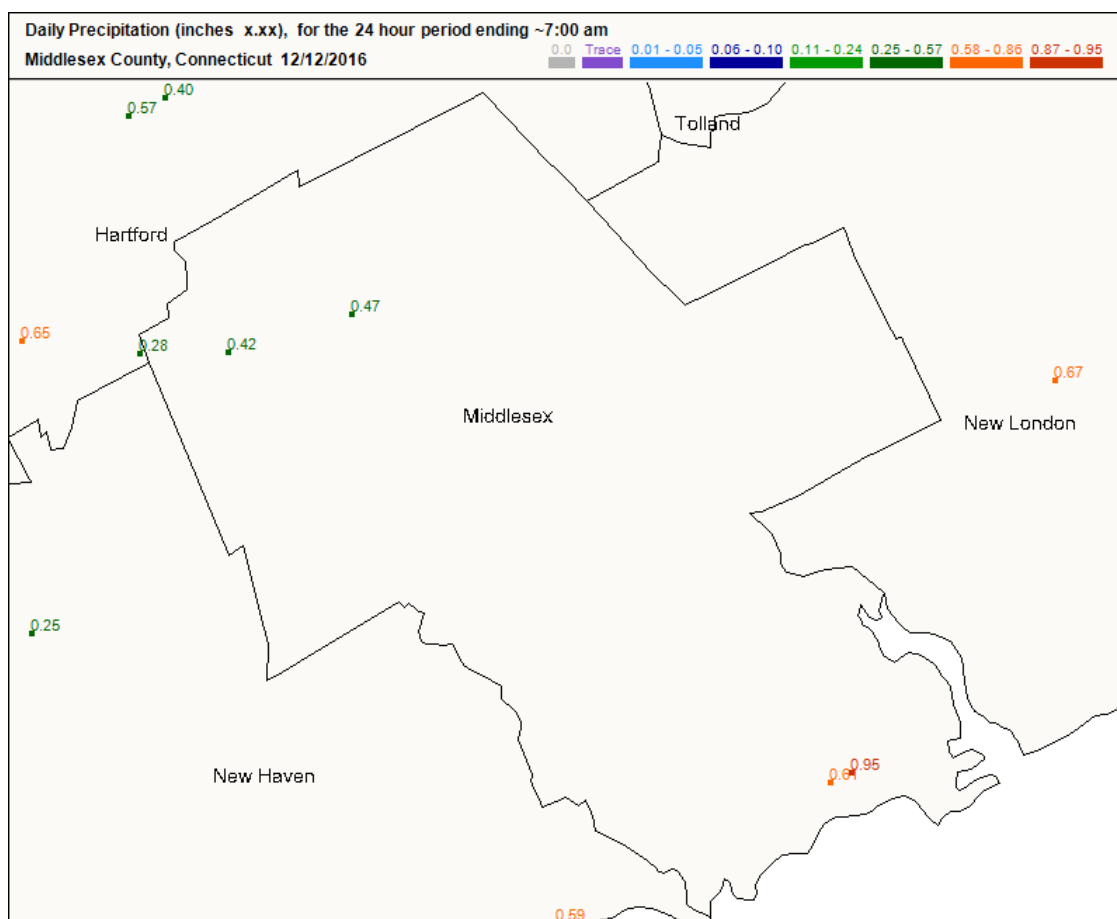


## **Map of the Month – Middlesex County CT**

The smallest county in Connecticut has so much within. The longest river in all of New England ends at this county, and is the only major river in the Northeast without a harbor or a port at its mouth. With 165,000 residents on 369 sq miles of land, Middlesex County is home to a family farm since 1741 in Middlefield, a steam train in Essex, a ferry across the river in Chester, Gillette Castle, Wadsworth Falls, and in the end of September is home to Connecticut's largest agricultural fair in Durham.

The largest city is Middletown, and most of its drinking water comes from wells near the river. There are 71 small reservoirs within this county.

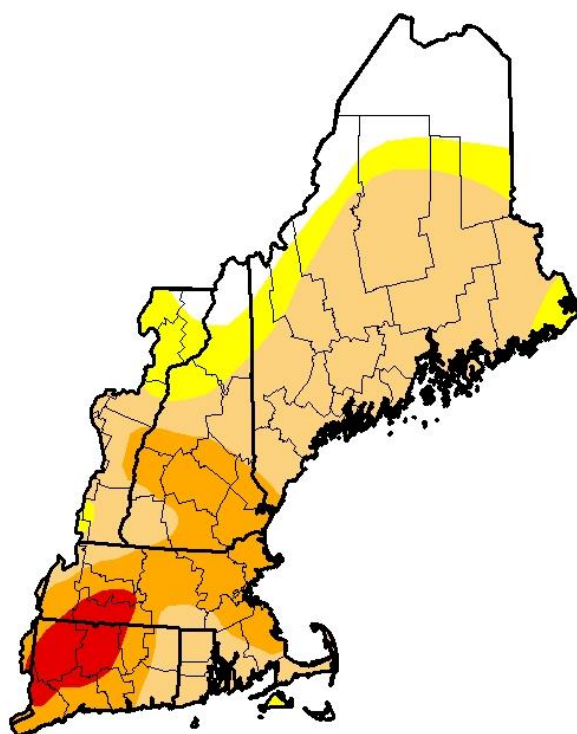
There is no automated rain gauge at Chester Airport. There are no precipitation observing Cooperative Observers within this county for the NWS either. The sole source of precipitation data within Middlesex County are CoCoRaHS observers. If you know of someone who can join this important group of observers, ask them to join us at CoCoRaHS.



From the Drought Monitor.

At last! Some improvement in the past week and month across Maine and eastern Massachusetts, but a little worsening across Plymouth County. Every drop counts and zeros do too!

## U.S. Drought Monitor New England Watershed



**January 3, 2017**

(Released Thursday, Jan. 5, 2017)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	14.71	12.55	48.74	19.42	4.58	0.00
Last Week 12/27/2016	14.71	12.55	39.06	24.58	9.11	0.00
3 Months Ago 10/4/2016	26.59	15.17	16.69	27.11	14.44	0.00
Start of Calendar Year 1/3/2017	14.71	12.55	48.74	19.42	4.58	0.00
Start of Water Year 9/27/2016	26.52	15.24	18.41	25.39	14.44	0.00
One Year Ago 1/5/2016	55.73	28.42	15.85	0.00	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](#).

## **Rulers of the Snow**

Something new from something that caught my eye over a year ago; the diligent daily reporting from MA-BE-4 and read Page 3 from this [Newsletter](#).

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.

Station	Name	Dec 2016 Snowfall	All Days Reporting Precip	All Days Reporting Snowfall	All Days Reporting Snow Depth
MA-HS-7	Plainfield 2.2 SW	25.0"			
MA-BE-4	Becket 5.6 SSW	24.6"	✓	✓	✓
MA-HS-14	Plainfield 2.4 ESE	24.3"			
MA-BE-10	Pittsfield 2.0 NNW	23.4"	✓		
MA-FR-13	Conway 2.9 NW	21.3"	✓	✓	
MA-FR-10	Conway 0.9 SW	20.2"	✓	✓	✓
MA-HS-2	Westhampton 1.8 SW	19.7"	✓		
MA-MD-47	West Townsend 0.5 W	19.6"	✓		
MA-HS-8	Williamsburg 1.2 WSW	19.2"	✓		
CT-LT-15	Colebrook 1.0 NE	18.2"	✓		
MA-WR-8	Fitchburg 1.6 SSW	18.1"	✓		
MA-HS-10	Northampton 1.6 NE	17.7"			
MA-WR-13	Leominster 1.5 S	17.5"	✓		
MA-FR-17	Buckland 1.8 ESE	16.5"			
CT-LT-9	New Hartford Center 3.2 SW	15.8"	✓	✓	✓
MA-FR-12	Sunderland 1.3 SE	15.3"	✓		✓
CT-HR-28	North Canton 0.8 SSW	14.2"	✓	✓	✓
MA-WR-43	Leicester 2.4 ESE	14.1"	✓		
MA-WR-42	Northborough 2.3 N	13.9"	✓	✓	✓
CT-HR-8	North Granby 1.3 ENE	13.7"	✓		
MA-WR-41	Auburn 2.6 SW	13.5"	✓		
MA-BE-3	Stockbridge .2 NNE	13.2"	✓		
MA-ES-20	Haverhill 0.7 N	13.0"	✓		
CT-HR-24	Collinsville 0.9 NW	12.7"	✓	✓	✓
CT-TL-2	Staffordville 0.4 NNW	12.6"	✓		
MA-WR-54	Barre 1.4 NNE	11.8"	✓		
MA-HS-12	Northampton 0.4 S	11.5"			
MA-WR-28	Berlin 1.3 WSW	11.5"	✓		
MA-HD-17	Southwick 2.5 WSW	11.4"			
MA-WR-18	Northborough 0.6 SSE	11.3"			
MA-MD-12	Acton 1.3 SW	11.1"	✓	✓	✓

## **Webinars**

Starting this month, CoCoRaHS Weather Talk Webinars will be given every two months, starting with this [schedule](#). Since Year 2011, 55 of these webinars have been given, and they discuss a wide variety of weather and climate topics that should interest any CoCoRaHS observer.

These winter months are a good time of the year to go to list of [webinars](#), pick one that may interest you, and play all or sections of it. Your first reaction may be “I don’t have more than hour to watch all of this”, but the presentation is usually less than an hour, followed by a Q&A session at the end.

The next webinar is about a topic mentioned in our newsletter last month about the new GOES-R satellite. If you are unable to attend this or any of the webinars, they are uploaded to YouTube within hours of its completion so that you can view and listen to them at another time.

## **Wrap up**

January is named after Janus, the two headed God. Our weather can be two headed, as even this first week has shown. Keep an eye over your funnel and inner cylinder should either of the two heads of winter weather appears. Your own gauges will have two appearances in January with and without the funnel and inner cylinder.

Daylight begins to increase in January. Early next month we will reach the midpoint of winter, followed by a groundhog that will come out and prognosticate winter’s future from there.

Until then, learn from each day and remember the valuable contribution that each one of you can make, measuring and reporting liquid precipitation, snowfall and snow depth. Participate in SWE Mondays.

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