A kickoff meeting was held at the American Meteorological Society (AMS) Headquarters in Boston with CoCoRaHS Headquarters at Colorado State University, the National Weather Service, AMS, Massachusetts Department of Conservation and Recreation (DCR), and local media.

Station MA-SF-1 became the first CoCoRaHS station in Massachusetts on March 1, 2009 and is still active today!

In March, 2019 We Celebrate the 10th Anniversary of Massachusetts CoCoRaHS

One small measurement that has a giant impact on those who depend upon water.
Like the original 13 Colonies, we’ve grown quite a bit from our original core of observers, many of whom still report today! Join our network and report your rain and snow amounts!

March 1, 2009: 13 Observers

Today: 160 Observers

MA-BA-1 Yarmouth MA-BR-5 Attleboro MA-NF-3 Franklin
MA-BA-2 Falmouth MA-ES-1 Salisbury MA-SF-1 Boston
MA-BA-3 Falmouth MA-ES-3 Haverhill MA-WR-1 Milford
MA-BR-2 Rehoboth MA-MD-1 Stow
MA-BR-3 Norton MA-NF-1 Norwood

Active Today

Massachusetts CoCoRaHS

One small measurement that has a giant impact on those who depend upon water.

Join Today: www.cocorahs.org

In March, 2019 We Celebrate the 10th Anniversary of Massachusetts CoCoRaHS
The Value of CoCoRaHS Reports in Massachusetts

Since March 1, 2009 Massachusetts Observers have submitted...

- More than **300,000** Daily Reports (Rain, snow, snow depth, & water content)
- More than **1,100** Evapotranspiration Reports (Amount of evaporation)
- More than **800** Significant Weather Reports (Heavy rain, heavy snow, flooding, etc.)
- More than **400** Condition Monitoring Reports (Effects of precipitation such as drought)

These reports provide information to the National Weather Service, water resource officials, researchers, and others. Massachusetts CoCoRaHS Observers help define the climate by filling the gaps between automated reports from airport weather stations. These observations are used to help prepare monthly precipitation summaries which are crucial to assess potential drought or flood conditions.

In March, 2019 We Celebrate the 10th Anniversary of Massachusetts CoCoRaHS
Observations from automated stations at airports that are few and far between can’t capture the added detail provided by CoCoRaHS observers. You can see the difference on the maps above.

In March, 2019 We Celebrate the 10th Anniversary of Massachusetts CoCoRaHS

Join Today: www.cocorahs.org
Our goal is to have at least one observer reporting from all 351 cities and towns in Massachusetts. We’re well on our way! Sign up today and ask a friend to join.

Your reports are needed to help monitor changing patterns of rainfall, snowfall which affect drought and flooding conditions.

In March, 2019 We Celebrate the 10th Anniversary of Massachusetts CoCoRaHS
Massachusetts CoCoRaHS

Reporting Is Easy!

One small measurement that has a giant impact on those who depend upon water.

In March, 2019 We Celebrate the 10th Anniversary of Massachusetts CoCoRaHS

Join Today: www.cocorahs.org

Reading your rain gauge and reporting only takes a few minutes a day. If no rain or snow fell, just report zeros!

Report your information online… Or by mobile app!
One small measurement that has a giant impact on those who depend upon water.

Massachusetts Climate Stats

Did You Know?

- Massachusetts averages between 40 and 50 inches of precipitation every year.
- Record daily snowfall: 31.9 inches, set on January 27, 2015 at Worcester Airport.
- Most precipitation in a year: 76.49 inches in New Salem in 1996.
In March, 2019 We Celebrate the 10th Anniversary of Massachusetts CoCoRaHS

One small measurement that has a giant impact on those who depend upon water.

Measuring the Extremes: Top 10 Daily Rainfalls

We call our CoCoRaHS Observers “Rain Gauge Ready.” Many of them report their precipitation totals each day, helping to add to the climate record of Massachusetts.

1. 18.15 inches, Westfield (August 18-19, 1955)
2. 12.25 inches, Belchertown (August 18-19, 1955)
3. 10.62 inches, Newburyport (October 20-21, 1996)
4. 10.05 inches, Southbridge (August 18-19, 1955)
5. 9.66 inches, Franklin (August 18-19, 1955)
6. 8.70 inches, Worthington (October 8-9, 2005)
7. 8.64 inches, Middleton (October 5-6, 1962)
8. 8.48 inches, Hanscom Field Bedford (September 10-11, 1954)
9. 8.26 inches, Lenox (October 7-8, 2005)
10. 8.25 inches, Eastham 0.6 SW CoCoRaHS (August 18-19, 2017)

Add your location to the list! Join Today: www.cocorahs.org
One small measurement that has a giant impact on those who depend upon water.

**Measuring the Extremes: Top 10 Annual Precipitation**

We call our CoCoRaHS Observers “Rain Gauge Ready.” Many of them report their precipitation totals each day, helping to add to the climate record of Massachusetts.

1. 76.49 inches, New Salem (1996)
2. 74.90 inches, Kingston 3.3 WNW CoCoRaHS (2018)
3. 74.72 inches, Worthington (2011)
4. 72.97 inches, Taunton 2.4 W CoCoRaHS (2018)
5. 72.84 inches, East Brimfield Lake (2011)
6. 72.60 inches, Plainfield 2.4 ESE CoCoRaHS (2018)
7. 72.55 inches, Lowell (2011)
8. 72.47 inches, Rochester (1972)
9. 72.43 inches, Taunton 2.6 NW CoCoRaHS (2018)
10. 72.27 inches, Norton (2018)
Measuring the Extremes: Top 10 Daily Snowfalls

Our CoCoRaHS Observers are “Rulers of the Snow.” They report snowfall (and liquid content), snow depth, and the water content of snow on the ground. This helps assess the potential for flooding, especially in the spring snowmelt season.

1. 31.9 inches, Worcester Airport (January 27, 2015)
2. 31.0 inches, Lawrence (February 7, 1978)
3. 29.3 inches, Walpole (February 7, 1978)
4. 28.0 inches, Franklin (December 13, 1992) and East Brimfield Lake (April 1, 1997)
5. 27.4 inches, Blue Hill Observatory, Milton (February 24, 1969)
6. 26.7 inches, Northborough 0.6 ESE CoCoRaHS (February 9, 2013)
7. 26.5 inches, Ashburnham (February 9, 2013)
8. 26.3 inches, Buffumville Lake (February 9, 2013)
9. 26.0 inches, Weymouth 0.5 NW CoCoRaHS (February 9, 2013)
10. 25.7 inches, Milford 2.3 NNW CoCoRaHS (February 9, 2013)
Measuring the Extremes: Top 10 Seasonal Snowfalls

We call our CoCoRaHS Observers “Rulers of the Snow.” Many of them submit daily reports year-round, which become part of the climate record of Massachusetts.

1. 152.9 inches, Worthington (1995-1996)
2. 150.8 inches, Blue Hill Observatory, Milton (2014-2015)
5. 133.5 inches, Newburyport (1947-1948)
6. 131.2 inches, Rowe (2017-2018)
7. 128.7 inches, Kingston 3.3 WNW CoCoRaHS (2014-2015)
8. 127.2 inches, Barre Falls Dam (1995-1996)
Massachusetts CoCoRaHS

One small measurement that has a giant impact on those who depend upon water.

Citizen Science at its Finest!

For More Information Contact:
Joe DelliCarpini, Massachusetts CoCoRaHS Coordinator
Joseph.Dellicarpini@noaa.gov
(508) 622-3324

In March, 2019 We Celebrate the 10th Anniversary of Massachusetts CoCoRaHS

Join Today: www.cocorahs.org