

# Winter Storm and Snowfall History- 2008-2015

Last updated 12/11/2015

Edgewater Drive, Pembroke MA, 02359

pembrokeweather.com

## PLEASE NOTE:

- Measuring snow is an art to be learned with much practice. Generally assume that the accuracy of the snow depth improves as time goes on with 2015 being the most accurate and 2008 being the least.
- THESE RECORDS ARE NOT PERFECT and are not recommended for scientific use.
- Snow was measured using either a ruler or a makeshift snow stick with 1 inch intervals in my back yard on a flat surface. Assume the uncertainty is  $\pm 1$  inch (but is realistically higher in the early years).
- All future snowfall records (3/26/15 and beyond) will be submitted to CoCoRaHs. Drifting, intensity, and other details will be noted in the daily comment section as snow is reported.
- Future snowfall records will be taken using the standards set by CoCoRaHs for measuring snow depth and water content.
- Blank space=no data

Start Date	Precipitation Type	Average snow depth (in)	Subjective Peak Intensity	Maximum drift on yard	Subjective snow consistency	Comments
<b>2008-2009</b>						
11/30/2008	mix	0.0	light			
12/7/2008	snow	2.0	moderate			
12/19/2008	snow	9.0	heavy			
12/21/2008	mix	1.0	moderate			
12/31/2008	snow	9.0	heavy			
1/10/2009	snow	4.0	moderate			
1/18/2009	snow	2.0	moderate			
1/18/2009	snow	4.0	moderate			
1/28/2009	mix	1.0	moderate			
2/3/2009	snow	5.5	heavy			
2/18/2009	mix	0.5	light			
2/19/2009	mix	0.2	light			
3/1/2009	snow	0.3	light			
3/1/2009	snow	8.0	heavy			
3/9/2009	mix	0.5	moderate			
<b>08-09 Total</b>		<b>47.0</b>				

2009-2010						
12/5/2009	mix	0.2	moderate			
12/9/2009	mix	0.5	moderate			
12/19/2009	snow	15.0	Blizzard			
12/24/2009	snow	0.2	light			
12/31/2009	snow	2.0	light			
1/2/2010	snow	8.5	moderate			
1/8/2010	snow	0.5	light			
	mix	0.5	heavy			
2/3/2010	snow	0.3	light			
2/6/2010	snow	0.2	light			
2/10/2010	mix	2.0	moderate			
2/15/2010	mix	2.0	light			
2/24/2010						
<b>09-10 Total</b>		<b>31.9</b>				

2010-2011						
12/15/2010	snow	0.0	light			
12/19/2010	snow	6.0	moderate			
12/22/2010	snow	2.0	light			
12/26/2010	mix	5.0	Blizzard			
1/9/2011	snow	3.0	moderate			
1/12/2011	snow	7.0	Blizzard			
1/21/2011	snow	5.0	moderate			
1/25/2011	snow	1.5	light			
1/26/2011	mix	6.5	heavy			
2/1/2011	snow	5.5	moderate			
2/20/2011	snow	0.3	light			
2/25/2011	mix	0.5	moderate			
2/27/2011	snow	2.5	moderate			
3/5/2011	snow	0.0	light			
3/31/2011	mix	1.0	moderate			
<b>10-11 Total</b>		<b>45.8</b>				

2011-2012						
10/30/2011	mix	0.1	moderate			
12/18/2011	snow	0.1	light			
12/25/2011	snow	0.0	light			
1/6/2012	snow	0.2	light			
1/10/2012	snow	1.0	light			
1/17/2012	mix	0.0	light			
1/20/2012	snow	3.0	moderate			
1/21/2012	snow	3.5	moderate			
2/11/2012	mix	0.0	light			
2/24/2012	mix	0.0	light			
2/29/2012	mix	0.2	heavy			
3/10/2012	snow	0.5	light			
<b>11-12 Total</b>		<b>8.6</b>				

2012-2013						
11/5/2012	Ocean effect flurries	0.0	light	n/a		
11/27/2012	Snow - Mix	0.0	light	n/a	wet	
12/1/2012	flurries- drizzle	0.0	light	n/a	wet	
12/25/2012	Snow - Rain	0.1	light	n/a	wet	
12/26/2012	Rain-sleet- rain-snow	0.2	moderate	n/a	wet	
12/29/2012	Rain-snow	2.0	Heavy	n/a	wet	
1/6/2013	snow	0.5	light	n/a	light	
1/14/2013	sleet - rain	0.0	light	n/a	~	
1/16/2013	snow - rain	1.5	light	n/a	wet	
1/21/2013	Snow	1.0	light	n/a	light	Alberta clipper
1/25/2013	snow	0.5	light	n/a	light	
1/28/2013	snow- sleet - freezing rain	0.5	light	n/a	light	warm front
2/2/2013	snow	0.3	light	n/a	light	weak Alberta clipper
2/3/2013	snow	0.2	light	n/a	light	ocean effect
2/5/2013	snow	0.8	light	n/a	light	
2/8/2013	Blizzard	12.5	Heavy	17	wet-light	clipper + powerful low from south, 4 days without power
2/14/2013	Snow	0.5	light	n/a	light	

2/16/2013	Snow	0	Moderate	n/a	wet	cold front
2/17/2013	Snow	4.5	Heavy	6	light	distant ocean storm
2/23/2013	rain-snow	0.5	moderate	n/a	light	
3/6/2013	mix - snow	9	Heavy	11	wet	stalled ocean low, 1 inch was expected
3/19/2013	Snow-sleet-rain	4.5	moderate	6	wet	
3/22/2013	snow	3.5	moderate	n/a	wet	distant ocean storm
<b>12-13 Total</b>		<b>42.5</b>				

<b>2013-2014</b>						
10/26/2013	First hard freeze	0	n/a	n/a	n/a	
11/12/2013	Rain-snow	0	light	n/a	wet	cold front
12/9/2013	Snow-sleet-rain-drizzle	0.5	light	n/a	wet	Gulf low
12/10/2013	Snow	1.75	moderate	n/a	wet	Gulf low
12/14/2013	Snow-rain	3.5	moderate	n/a	dry-wet	Colorado Low, rain melted almost all the snow for final of around an inch
12/17/2013	Snow	3	moderate	n/a	dry	Alberta clipper
1/2/2014	Blizzard	9	heavy	22	dry	Combo of shortwave warm front from alberta canada and two center hatteras lows. Converge. Start of the storm surprisingly windy and snowy originating from ocean.
1/4/2014	Extreme cold	0	n/a	n/a	n/a	north wind
1/10/2014	snow-rain	0.5	moderate	n/a	dry	
1/21/2014	Snow	9.5	heavy	11	dry	Clipper far south increases strength
1/28/2014	Snow	1	light	n/a	dry	distant ocean storm
2/3/2014	Snow	2.6	moderate	n/a	wet	Colorado low running along frontal boundary
2/5/2014	Snow - Sleet - rain- sleet- snow	4.5	moderate	n/a	wet	Colorado low
2/9/2014	snow	1	light	n/a	dry	ocean effect
2/13/2014	Snow-rain	0.2	Heavy	n/a	wet	Gulf low. Same storm that brought 6-10 in the Carolinas, major ice in Georgia, Alabama, Mississippi
2/15/2014	Snow	5	Heavy	n/a	wet	Ocean storm, Cape Cod gets most. Blizzard warning, but a bit of a disappointment.
2/18/2014	Snow	2	Heavy	n/a	wet	Alberta clipper
2/27/2014	Snow	2	Heavy	n/a	light	snow squalls
Mar-14		0.5	Light	n/a	wet	
3/10/2014	Snow	1	light	n/a	light	
3/13/2014	Rain-snow	1	light	n/a	light	low tracked west of here
3/26/2014	Snow	0.2	light	n/a	light	Very powerful Hatteras low sub 970 far off coast. Cape got blizzard with 10+ inches
4/16/2014	Rain-sleet-snow	dusting	moderate	n/a	wet	

<b>13-14 Total</b>		<b>48.8</b>				
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<b>2014-2015</b>						
11/2/2014	Rain-snow	0.25	moderate	n/a	wet	Powerful ocean storm. 980s snow wraps in toward the end
11/14/2014	Rain-Snow	1	light	n/a	wet	distant ocean storm
11/28/2014	Rain-Snow	1.25	light	n/a	wet	
12/20/2014	Rain-snow-Rain	dusting	light	n/a	wet	ocean effect
1/3/2015	snow-sleet-rain	1.25	moderate	n/a	light	Clipper going south, atmosphere not stable leading to snow squalls
1/9/2015	snow	0.25	light	n/a	light	clipper far north
1/15/2015	snow	0.25	light	n/a	light	
1/24/2015	snow-rain-snow	3	moderate	n/a	light	coastal storm, no blocking high, too warm, 970 mb
1/26/2015	blizzard	13	heavy	47	light	started as alberta clipper, bombed out starting south of NJ. Stalled SE of Nantucket dropped to 980 mb. Went slightly farther east than anticipated. Called potentially historic. Dropped >30 in other places of MASS. Major coastal flooding damages Marshfield seawall. Large blocking high with low to the NNE.
1/30/2015	snow-rain-snow	1.25	light	n/a	light	bombing coastal low to our NNE, throws snow over the back end.
2/2/2015	snow	7	heavy	9	light	low riding a frontal boundary west to east. Snow depth 18 inches with blizzard. Snowiest 10 days on record in Boston
2/5/2015	snow	~0.25	heavy	n/a	wet	cold front
2/8/2015	snow	3	moderate	n/a	light	initial wave of snow prior to more significant storm on Monday. Riding a boundary with a significant temperature gradient. 35 Duxbury, 20 in Hanson.
2/9/2015	snow	14	moderate	>16	light	A long duration clipper riding a boundary of warm and cold air. Lots of ocean effect in this one. MBTA and Boston has serious issues with too much snow.
2/14/2015	blizzard	8	heavy	>8	light	A clipper which quickly strengthens off Long Island coast turns north and throws snow and wind back at us as it exits. Long lull in the action over night. Snow depth 30 inches
2/17/2015	snow	3	light	n/a	light	distant ocean storm
2/19/2015	snow	1	light	n/a	light	Snow showers off a distant ocean storm
2/21/2015	snow - rain - snow	2	light	n/a	wet	
2/25/2015	snow	1.75	light	n/a	light	secondary weak low spawned off distant ocean storm
2/26/2015	snow	1	light	n/a	light	weak coastal system
3/2/2015	snow	3.5	moderate	n/a	light	weak low spawned off northern low
3/4/2015	snow-rain	2	moderate	n/a	light	inside runner
3/5/2015	rain-snow	1.5	light	n/a	wet	elongated low riding cold front. Cape gets a foot
3/15/2015	snow	3	heavy	n/a	wet	comma head off low pressure system. Boston and Providence break all time records for the snowiest winter ever!!!!
3/20/2015	snow	1.5	light	n/a	wet	coastal low
3/25/2015	snow	0.25	light	n/a	wet	
<b>14-15 Total</b>		<b>74.0</b>				