

## Heavy Rainfall Across Southeastern Massachusetts, Cape Cod and The Islands Summary - September 19-22, 2024

Persistent rain for nearly 3 days from a slow moving coastal storm fell across the eastern half of southern New England, resulting in 5 inches to 10 inches of rainfall across Cape Cod and Nantucket. Meanwhile, very little rainfall occurred across Connecticut and central and western portions of Massachusetts. Despite the heavy rainfall, because it occurred over several days and in an area that has been dry the last couple of months, no significant flooding impacts were reported.

Below is a table of the rainfall reports we received grouped by county. The source of the report is also included:

CWOP and AWS are from private individual's home weather stations

ASOS are from the NWS automated weather stations at airports

AWOS and RAWs are other automated weather stations operated by state & federal agencies

COOP are volunteer observers for the NWS Cooperative Observer Network

COCORAHs are volunteer observers reporting via the CoCoRaHS program ([cocorahs.org](http://cocorahs.org))

Spotter are NWS trained spotters

A map of rainfall totals for the event is included below the table.

...Massachusetts...					
...Barnstable County...			...Plymouth County...		
West Chatham	11.69 in	CWOP	Wareham 5.6 NE	4.34 in	COCORAHs
Chatham 1.6 WNW	8.90 in	COCORAHs	Plymouth	4.31 in	CWOP
Chatham 0.4 WSW	8.38 in	COCORAHs	7 SE Plymouth	4.25 in	Spotter
1 NNE Brewster	8.28 in	Spotter	Duxbury	4.21 in	CWOP
2 S East Dennis	8.10 in	Spotter	1 WSW Duxbury	4.19 in	AWS
Harwich 2.9 NE	7.87 in	COCORAHs	West Wareham	3.68 in	CWOP
Orleans 1.8 S	7.02 in	COCORAHs	Marshfield 1.5 NNW	3.64 in	COCORAHs
South Dennis 1.0 NW	6.67 in	COCORAHs	West Wareham 0.4 ENE	3.63 in	COCORAHs
Eastham 0.9 SW	6.65 in	COCORAHs	Middleborough 3.5 SSE	3.35 in	COCORAHs
3 WSW Harwich	6.37 in	AWS	Marion 1.3 N	3.19 in	COCORAHs
Yarmouth 2.3 SSE	6.07 in	COCORAHs	North Marshfield 0.6 NNE	2.79 in	COCORAHs
Chatham Airport	6.06 in	ASOS	Pembroke 3.3 NNE	2.78 in	COCORAHs
Sagamore	5.80 in	Spotter	3 NW Rochester	2.78 in	AWS
			Wareham	2.75 in	CWOP

Yarmouth 2.0 S	5.23 in	COCORAHS	Hanson 1.8 N	2.72 in	COCORAHS
YARMOUTH	5.08 in	CWOP	Rochester	2.68 in	COOP
Barnstable 3.6 W	5.05 in	COCORAHS	Bridgewater 1.8 SE	2.59 in	COCORAHS
Barnstable 0.7 NE	5.05 in	COCORAHS	2 SE Cohasset	2.46 in	AWS
Camp Edwards	4.84 in	RAWS	BRIDGEWATER	2.38 in	CWOP
East Sandwich 2.3 SE	4.65 in	COCORAHS	1 N Whitman	2.25 in	COCORAHS
Mashpee	4.37 in	Spotter	East Bridgewater 0.3 WSW	2.10 in	COCORAHS
Dennis	4.26 in	COCORAHS	Pembroke	2.00 in	AWS
Centerville 0.4 WNW	4.24 in	COCORAHS	Abington 1.2 NNE	1.98 in	COCORAHS
Sandwich 0.9 NNE	4.24 in	COCORAHS	Hingham 0.8 ESE	1.83 in	COCORAHS
Osterville 1.6 NNW	4.01 in	COCORAHS	Pembroke	1.82 in	CWOP
East Falmouth	3.85 in	CWOP	1 N Scituate	1.70 in	COCORAHS
Hyannis Airport	3.65 in	ASOS	Cohasset	1.67 in	AWS
Mashpee 4.6 S	3.54 in	COCORAHS	Rockland	1.66 in	Spotter
Bourne 6.2 S	3.25 in	COCORAHS	2 WNW Cohasset	1.24 in	AWS
Falmouth 3.1 NNW	3.22 in	COCORAHS	Hanover 4.2 WNW	1.23 in	COCORAHS
Provincetown AP	3.18 in	AWOS			
East Falmouth 1.4 ESE	3.13 in	COCORAHS	...Suffolk County...		
Falmouth 5.7 N	3.12 in	COCORAHS	Chelsea 0.8 N	1.10 in	COCORAHS
Mashpee	3.04 in	AWS	Boston 6.5 SW	1.04 in	COCORAHS
Falmouth 3.0 E	3.02 in	COCORAHS	Jamacia Plain	1.03 in	COOP
1 SE Bourne	3.02 in	AWS	Logan Airport	0.90 in	ASOS
Falmouth 5.4 NNE	3.01 in	COCORAHS			
Mashpee 3.2 WSW	2.85 in	COCORAHS	...Worcester County...		
Falmouth 0.6 NNW	2.82 in	COCORAHS	Shrewsbury 0.4 S	1.46 in	COCORAHS
			Harvard 2.1 S	1.08 in	COCORAHS
...Bristol County...			Worcester 2.0 SE	1.01 in	COCORAHS
Taunton 3.9 N	2.23 in	COCORAHS	Lancaster 0.6 NNE	0.99 in	COCORAHS
Fairhaven 1.9 ENE	2.15 in	COCORAHS	Berlin 1.3 WSW	0.99 in	COCORAHS
NWS Boston/Norton	1.96 in	COOP	West Boylston 1.5 S	0.94 in	COCORAHS
Taunton Airport	1.87 in	ASOS	Boylston 1.5 S	0.89 in	COCORAHS
1 SE Raynham	1.87 in	AWS	Milford	0.85 in	COOP
Dighton 1.1 WSW	1.80 in	COCORAHS	Worcester 1.6 SE	0.85 in	COCORAHS
Somerset 2.3 NNE	1.80 in	COCORAHS	Holden 2.0 ESE	0.81 in	COCORAHS
New Bedford AP	1.72 in	ASOS	Sterling 4.3 NW	0.78 in	COCORAHS
2 SSW Easton	1.56 in	AWS	Northbridge	0.73 in	COOP
Norton West	1.51 in	COOP	Worcester 2.2 NW	0.72 in	COCORAHS
Norton 1.8 NNE	1.51 in	COCORAHS	Uxbridge 2.4 WSW	0.67 in	COCORAHS
Westport 6.6 SSE	1.51 in	COCORAHS	Holden 0.9 SSE	0.66 in	COCORAHS

Dartmouth 2.5 SSW	1.43 in	COCORAHS	Fitchburg Airport	0.57 in	ASOS
Rehoboth 2.1 N	1.40 in	COCORAHS	Douglas 1.9 NNE	0.56 in	COCORAHS
Mansfield 2.4 ENE	1.36 in	COCORAHS			
Attleboro 0.9 ENE	1.26 in	COCORAHS	...		
...			<b>...Rhode Island...</b>		
...			...		
...Dukes County...			...Bristol County...		
Edgartown	4.57 in	COOP	Bristol 2.0 NNW	1.40 in	COCORAHS
Oak Bluffs 0.1 SW	4.41 in	COCORAHS	2 SSE Bristol	1.40 in	AWS
Edgartown 1.3 WNW	4.35 in	COCORAHS	Barrington 1.3 WNW	1.27 in	COCORAHS
West Tisbury 0.4 S	4.21 in	COCORAHS	...		
Marthas Vineyard Airport	4.06 in	ASOS	...Kent County...		
West Tisbury 2.6 NNE	3.75 in	COCORAHS	Warwick 3.8 NNE	1.05 in	COCORAHS
Vineyard Haven	3.26 in	COOP	Warwick 3.2 NNE	1.01 in	COCORAHS
Vineyard Haven 0.8 WSW	2.91 in	COCORAHS	Warwick 3.8 N	0.99 in	COCORAHS
...			Warwick 3.0 NNE	0.95 in	COCORAHS
...Essex County...			Warwick 1.4 NE	0.89 in	COCORAHS
Middleton	0.74 in	COOP	East Greenwich 2.3 ESE	0.82 in	COCORAHS
Lawrence Airport	0.70 in	ASOS	West Warwick 3.3 SSW	0.75 in	COCORAHS
Rockport 1.0 E	0.67 in	COCORAHS	East Greenwich 2.8 NE	0.73 in	COCORAHS
Haverhill 0.8 SW	0.65 in	COCORAHS	Coventry 1.4 SSE	0.64 in	COCORAHS
Nahant 0.4 N	0.65 in	COCORAHS	East Greenwich 2.0 NE	0.63 in	COCORAHS
Hamilton 0.7 WSW	0.60 in	COCORAHS	West Warwick 1.8 WNW	0.61 in	COCORAHS
Boxford 1.8 WSW	0.58 in	COCORAHS	Coventry 1.2 SW	0.58 in	COCORAHS
Amesbury 2.6 WSW	0.58 in	COCORAHS	...		
Beverly Airport	0.56 in	ASOS	...Newport County...		
Danvers 2.5 NNE	0.51 in	COCORAHS	Tiverton 1.0 SSW	1.91 in	COCORAHS
West Newbury 1.1 ESE	0.50 in	COCORAHS	Portsmouth 3.7 NNE	1.75 in	COCORAHS
...			Tiverton 4.4 SSE	1.56 in	COCORAHS
...Middlesex County...			Newport Airport	1.27 in	ASOS
Lexington 2.1 ESE	1.44 in	COCORAHS	Little Compton 1.7 NW	1.27 in	COCORAHS
Ayer 0.1 SW	1.38 in	COCORAHS	Little Compton 0.6 E	1.23 in	COCORAHS
Littleton 0.9 WSW	1.23 in	COCORAHS	Jamestown 0.7 NNE	1.12 in	COCORAHS
Littleton 1.4 W	1.18 in	COCORAHS	Middletown 1.1 SW	1.07 in	COCORAHS
Chelmsford 1.2 E	1.13 in	COCORAHS	Newport 1.0 NE	1.00 in	COCORAHS
Winchester 0.7 SE	1.04 in	COCORAHS	Newport 1.3 SW	0.66 in	COCORAHS
Cambridge 0.9 NNW	1.04 in	COCORAHS	Jamestown 0.3 SSE	0.58 in	COCORAHS
Maynard 0.7 ESE	1.03 in	COCORAHS	...		
Belmont 0.2 ESE	1.03 in	COCORAHS	...Providence County...		
2 SE Carlisle	1.02 in	COCORAHS	Rumford 1.1 SSE	1.06 in	COCORAHS

Sudbury 3.6 W	1.01 in	COCORAHS	Pawtucket 2.6 SSE	1.05 in	COCORAHS
Arlington 1.4 SE	0.99 in	COCORAHS	North Central State Airport	1.03 in	AWOS
Sudbury 1.8 N	0.99 in	COCORAHS	East Providence 2.6 N	0.98 in	COCORAHS
Pepperell 0.6 SE	0.98 in	COCORAHS	Cranston 4.2 ENE	0.95 in	COCORAHS
Melrose 0.5 NE	0.98 in	COCORAHS	Providence 2.7 NNE	0.90 in	COCORAHS
Groton 4.2 WNW	0.98 in	COCORAHS	Providence 1.6 NNW	0.89 in	COCORAHS
Medford 1.2 W	0.96 in	COCORAHS	Cranston 1.2 SSE	0.81 in	COCORAHS
Watertown 1.1 NW	0.96 in	COCORAHS	Woonsocket 1.8 WNW	0.81 in	COCORAHS
Acton 1.3 SW	0.95 in	COCORAHS	Cumberland Hill 0.9 NW	0.80 in	COCORAHS
Hudson 1.4 NW	0.95 in	COCORAHS	Providence 2.4 NNW	0.79 in	COCORAHS
Cambridge 1.0 WNW	0.93 in	COCORAHS	Cumberland 2.4 ENE	0.78 in	COCORAHS
Holliston 0.8 S	0.91 in	COCORAHS	Cumberland Hill 3.3 NE	0.75 in	COCORAHS
Watertown 1.1 W	0.91 in	COCORAHS	Harrisville 1.2 SSE	0.71 in	COCORAHS
Waltham 1.6 SSE	0.91 in	COCORAHS	Greenville 6.7 WSW	0.71 in	COCORAHS
Newton 1.8 NNW	0.87 in	COCORAHS	Cranston 1.5 SW	0.69 in	COCORAHS
Ayer	0.85 in	COCORAHS	Greenville 2.6 WSW	0.67 in	COCORAHS
Hudson 1.1 N	0.84 in	COCORAHS	Foster 4.0 SSE	0.58 in	COCORAHS
Lexington 1.3 SE	0.82 in	COCORAHS			
Bedford Airport	0.80 in	ASOS	...Washington County...		
Framingham 2.0 NNE	0.80 in	COCORAHS	Narragansett 2.7 NNE	0.85 in	COCORAHS
Holliston 0.7 W	0.80 in	COCORAHS	Exeter 3.9 S	0.85 in	COCORAHS
Lexington 0.6 SW	0.78 in	COCORAHS	North Kingstown 2.7 WSW	0.82 in	COCORAHS
Framingham 1.6 ENE	0.77 in	COCORAHS	Wakefield-Peacedale 3.1 NE	0.80 in	COCORAHS
2 SW Ashland	0.74 in	COCORAHS	Kingston 2.5 NW	0.66 in	COCORAHS
Sherborn 1.1 NW	0.73 in	COCORAHS	Kingston 3.6 N	0.65 in	COCORAHS
			Wakefield 0.8 ENE	0.65 in	COCORAHS
...Nantucket County...			Wakefield-Peacedale 0.4 NNW	0.60 in	COCORAHS
Nantucket Airport	5.34 in	ASOS	Kingston 0.7 WSW	0.58 in	COCORAHS
			Wakefield-Peacedale 1.7 NNE	0.56 in	COCORAHS

