

Appendix III

Sample pages from the Center for Operational Oceanographic Products and Services (CO-OPS) tidal prediction web site. Station name and location are listed along with the Mean Range, Spring Range, and Mean Tide Level. The “Predictions” links display the predicted tides (date, day, time, and height) for that location for each day for an entire year. From <http://co-ops.nos.noaa.gov/tides03/tab2ec1b.html#8>.

Tidal Station Locations and Ranges

MASSACHUSETTS, outer coast

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	Predictions 
Merrimack River entrance	42° 49'	70° 49'	8.3	9.5	4.4	Predictions
Newburyport, Merrimack River	42° 49'	70° 52'	7.8	9.0	4.2	Predictions
Plum Island Sound (south end)	42° 43'	70° 47'	8.6	9.9	4.6	Predictions
Annisquam	42° 39'	70° 41'	8.7	10.1	4.7	Predictions
Rockport	42° 40'	70° 37'	8.6	10.0	4.6	Predictions
Gloucester Harbor	42° 36'	70° 40'	8.7	10.1	4.6	Predictions
Manchester Harbor	42° 34'	70° 47'	8.8	10.2	4.7	Predictions
Beverly	42° 32'	70° 53'	9.0	10.4	4.8	Predictions
Salem	42° 31'	70° 53'	8.8	10.2	4.7	Predictions
Marblehead	42° 30'	70° 51'	9.1	10.6	4.8	Predictions
Broad Sound						
Nahant	42° 25'	70° 55'	9.0	10.4	4.8	Predictions
Lynn Harbor	42° 27'	70° 58'	9.2	10.7	4.9	Predictions

Boston Harbor

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	Predictions 
Boston Light	42° 20'	70° 53'	9.0	10.4	4.8	Predictions
Lovell Island, The Narrows	42° 20'	70° 56'	9.1	10.6	4.8	Predictions
Deer Island (south end)	42° 21'	70° 58'	9.3	10.8	4.9	Predictions
Belle Isle Inlet entrance	42° 23'	71° 00'	9.5	11.0	5.0	Predictions
Castle Island	42° 20'	71° 01'	9.4	10.9	5.0	Predictions
BOSTON	42° 21'	71° 03'	9.5	11.0	5.1	Predictions
Dover St. Bridge, Fort Point Channel	42° 21'	71° 04'	9.6	11.0	5.1	Predictions
Charlestown Bridge	42° 22'	71° 04'	9.5	11.0	5.0	Predictions
Charles River Dam	42° 22'	71° 04'	9.5	11.0	5.0	Predictions
Charlestown, Charles River entrance	42° 22'	71° 03'	9.5	11.0	5.0	Predictions
Amelia Earhart Dam, Mystic River	42° 23.7'	71° 04.6'	9.6	11.1	5.2	Predictions
Chelsea St. Bridge, Chelsea River	42° 23'	71° 01'	9.6	11.1	5.1	Predictions
Neponset, Neponset River	42° 17'	71° 02'	9.5	11.0	5.0	Predictions
Moon Head	42° 19'	70° 59'	9.4	10.9	5.0	Predictions
Rainsford Island, Nantasket Roads	42° 19'	70° 57'	9.1	10.6	4.8	Predictions

Hingham Bay

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	Predictions 
Nut Island	42° 17'	70° 57'	9.2	10.7	4.9	Predictions
Sheep Island	42° 17'	70° 55'	9.5	11.0	5.0	Predictions
Weymouth Fore River Bridge	42° 15'	70° 58'	9.5	11.0	5.0	Predictions
Weymouth Back River Bridge	42° 15'	70° 56'	9.5	11.0	5.0	Predictions
Crow Point, Hingham Harbor entrance	42° 16'	70° 54'	9.4	10.9	5.0	Predictions
Hingham	42° 15'	70° 53'	9.5	11.0	5.0	Predictions
Nantasket Beach, Weir River	42° 16'	70° 52'	9.4	10.9	5.0	Predictions
Strawberry Hill	42° 17'	70° 53'	9.5	11.0	5.0	Predictions
Hull	42° 18'	70° 55'	9.3	10.8	5.0	Predictions

Cohasset Harbor to Davis Bank

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Cohasset Harbor (White Head)	42° 15'	70° 47'	8.8	10.2	4.7	Predictions
Scituate	42° 12'	70° 43'	8.8	10.2	4.7	Predictions
Damons Point, North River	42° 10'	70° 44'	8.5	9.9	4.5	Predictions
Cape Cod Bay						
Gurnet Point	42° 00'	70° 36'	9.2	10.7	4.9	Predictions
Plymouth	41° 58'	70° 40'	9.5	11.0	5.0	Predictions
Cape Cod Canal, east entrance	41° 46'	70° 30'	8.7	10.1	4.6	Predictions
Cape Cod Canal, Sagamore	41° 46'	70° 32'	7.9	9.0	4.2	Predictions
Cape Cod Canal, Bourne	41° 46'	70° 34'	6.2	7.2	3.4	Predictions
Barnstable Harbor, Beach Point	41° 43'	70° 17'	9.5	11.0	5.0	Predictions
Wellfleet	41° 55'	70° 02'	10.0	11.6	5.4	Predictions
Provincetown	42° 03'	70° 11'	9.1	10.6	4.8	Predictions
Race Point	42° 04'	70° 15'	9.0	10.4	4.8	Predictions
Cape Cod						
Cape Cod Lighthouse, SE of	42° 00'	70° 01'	7.6	8.8	4.1	Predictions
Nauset Harbor	41° 48'	69° 56'	6.0	7.0	3.2	Predictions
Chatham (outer coast)	41° 40'	69° 56'	6.7	7.8	3.5	Predictions
Chatham (inside)	41° 41'	69° 57'	3.6	4.2	1.9	Predictions
Pleasant Bay	41° 44'	69° 59'	3.2	3.7	1.7	Predictions
Monomoy Point	41° 33'	70° 00'	3.7	4.3	1.9	Predictions
Georges Shoal	41° 42'	69° 46'	4.2	4.8	2.2	Predictions
Davis Bank, Nantucket Shoals	41° 08'	69° 39'	1.3	1.5	0.6	Predictions

Nantucket Sound, north side

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Stage Harbor	41° 40'	69° 58'	3.9	4.7	2.0	Predictions
Wychemere Harbor	41° 40'	70° 04'	3.7	4.3	1.9	Predictions
Dennisport	41° 39'	70° 07'	3.4	4.1	1.8	Predictions
South Yarmouth, Bass River	41° 40'	70° 11'	2.8	3.4	1.5	Predictions
Hyannis Port	41° 38'	70° 18'	3.1	3.7	1.6	Predictions
Cotuit Highlands	41° 36'	70° 26'	2.5	3.0	1.3	Predictions
Poponneset Island, Poponneset Bay	41° 35'	70° 28'	2.3	2.8	1.2	Predictions
Succunneset Point	41° 33'	70° 29'	1.9	2.3	1.0	Predictions
Falmouth Heights	41° 33'	70° 36'	1.3	1.6	0.6	Predictions

Nantucket Island

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Tom Nevers Head	41° 14'	70° 01'	1.2	1.4	0.6	Predictions
Siasconset	41° 16'	69° 58'	1.2	1.4	0.6	Predictions
Wauwinet (outer shore)	41° 20'	70° 00'	3.3	4.0	1.7	Predictions
Great Point	41° 23'	70° 03'	3.1	3.7	1.6	Predictions
NANTUCKET	41° 17.1'	70° 05.8'	3.06	3.37	1.73	Predictions
Eel Point	41° 17'	70° 12'	2.3	2.7	1.2	Predictions
Tuckernuck Island, East Pond	41° 18'	70° 15'	2.6	3.1	1.4	Predictions
Muskeget Island, north side	41° 20'	70° 18'	2.0	2.4	1.1	Predictions

Martha's Vineyard

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Wasque Point, Chappaquiddick Island	41° 22'	70° 27'	1.1	1.4	0.6	Predictions
Off Jobs Neck Pond	41° 21'	70° 35'	2.7	3.2	1.4	Predictions
Off Chilmark Pond	41° 20'	70° 43'	2.9	3.5	1.5	Predictions
Squibnocket Point	41° 19'	70° 46'	2.9	3.7	1.6	Predictions
Nomans Land	41° 16'	70° 49'	3.0	3.6	1.6	Predictions
Gay Head	41° 21'	70° 50'	2.9	3.5	1.5	Predictions
Menemsha Bight	41° 21'	70° 46'	2.7	3.4	1.4	Predictions
Cedar Tree Neck	41° 26'	70° 42'	2.2	2.8	1.2	Predictions
Off Lake Tashmoo	41° 28'	70° 38'	2.1	2.5	1.1	Predictions
West Chop	41° 29'	70° 36'	1.4	1.7	0.7	Predictions
Vineyard Haven	41° 27'	70° 36'	1.7	2.0	0.9	Predictions
East Chop	41° 28'	70° 34'	1.7	2.0	0.8	Predictions
Oak Bluffs	41° 27'	70° 33'	1.7	2.0	0.9	Predictions
Edgartown	41° 23'	70° 31'	1.9	2.3	1.0	Predictions
Cape Poge, Chappaquiddick Island	41° 25'	70° 27'	2.2	2.6	1.2	Predictions

Vineyard Sound

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Nobska Point	41° 31'	70° 39'	1.5	1.9	0.8	Predictions
Woods Hole						
Little Harbor	41° 31'	70° 40'	1.4	1.8	0.8	Predictions
OCEANOGRAPHIC INSTITUTION	41° 32'	70° 40'	1.8	2.3	1.0	Predictions
Uncatena Island (south side)	41° 31'	70° 42'	3.6	4.5	1.9	Predictions
Tarpaulin Cove	41° 28'	70° 46'	1.9	2.4	1.0	Predictions
Quicks Hole						
South side	41° 26'	70° 51'	2.5	3.1	1.3	Predictions
Middle	41° 27'	70° 51'	3.0	3.7	1.6	Predictions
North side	41° 27'	70° 51'	3.5	4.4	1.8	Predictions

Buzzards Bay

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Cuttyhunk Pond entrance	41° 25'	70° 55'	3.4	4.2	1.8	Predictions
Penikese Island	41° 27'	70° 55'	3.4	4.2	1.8	Predictions
Kettle Cove	41° 29'	70° 47'	3.8	4.7	2.1	Predictions
Chappaquoit Point, West Falmouth Harbor	41° 36'	70° 39'	3.9	4.9	2.1	Predictions
West Falmouth Harbor	41° 36'	70° 39'	4.0	5.0	2.2	Predictions
Barlows Landing, Pocasset Harbor	41° 41'	70° 38'	4.0	5.0	2.2	Predictions
Abiels Ledge	41° 42'	70° 40'	3.9	4.9	2.2	Predictions
Monument Beach	41° 43'	70° 37'	4.0	5.0	2.2	Predictions
Great Hill	41° 43'	70° 43'	4.0	5.0	2.2	Predictions
Wareham, Wareham River	41° 45'	70° 43'	4.1	5.1	2.2	Predictions
Bird Island	41° 40'	70° 43'	4.2	5.2	2.3	Predictions
Marion, Sippican Harbor	41° 42'	70° 46'	4.0	4.9	2.2	Predictions
Mattapoisett, Mattapoisett Harbor	41° 39'	70° 49'	3.9	4.8	2.1	Predictions
West Island (west side)	41° 36'	70° 50'	3.7	4.6	1.9	Predictions
Clarks Point	41° 36'	70° 54'	3.6	4.5	2.0	Predictions
New Bedford	41° 38'	70° 55'	3.7	4.6	1.9	Predictions
Belleville, Acushnet River	41° 40'	70° 55'	3.8	4.7	2.1	Predictions
South Dartmouth, Apponagansett Bay	41° 35'	70° 57'	3.7	4.6	1.9	Predictions
Dumpling Rocks	41° 32'	70° 55'	3.7	4.6	1.9	Predictions

Westport River

Westport Harbor	41° 30'	71° 06'	3.0	3.7	1.6	Predictions
Hix Bridge, East Branch	41° 34'	71° 04'	2.7	3.4	1.4	Predictions

RHODE ISLAND, Narragansett Bay

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Sakonnet	41° 28'	71° 12'	3.1	3.9	1.7	Predictions
Anthony Point, Sakonnet River	41° 38'	71° 13'	3.8	4.8	2.1	Predictions
Beavertail Point	41° 27'	71° 24'	3.5	4.3	1.9	Predictions
Castle Hill	41° 28'	71° 22'	3.3	4.1	1.8	Predictions
NEWPORT	41° 30'	71° 20'	3.5	4.4	1.9	Predictions
Conanicut Point	41° 34'	71° 22'	3.8	4.7	2.0	Predictions
Prudence Island, (south end)	41° 35'	71° 19'	3.8	4.8	2.0	Predictions
Bristol Point	41° 39'	71° 16'	4.0	5.0	2.1	Predictions
Bristol Highlands	41° 42'	71° 18'	4.2	5.2	2.2	Predictions
Bristol Ferry	41° 38'	71° 15'	4.1	5.1	2.2	Predictions
Fall River, State Pier	41° 42'	71° 10'	4.4	5.5	2.4	Predictions

RHODE ISLAND and MASSACHUSETTS**Narragansett Bay-cont.**

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Fall River, Massachusetts	41° 44'	71° 08'	4.4	5.5	2.4	Predictions
Taunton, Taunton River, Massachusetts	41° 53'	71° 06'	2.8	3.5	1.5	Predictions
Bristol, Bristol Harbor	41° 40'	71° 17'	4.1	5.1	2.2	Predictions
Warren	41° 44'	71° 17'	4.6	5.7	2.5	Predictions
Nayatt Point	41° 43'	71° 20'	4.6	5.7	2.5	Predictions
Providence, State Pier #1	41° 48'	71° 24'	4.5	5.6	2.4	Predictions
Pawtucket, Seekonk River	41° 52'	71° 23'	4.6	5.8	2.5	Predictions
East Greenwich	41° 40'	71° 27'	4.0	5.0	2.1	Predictions
Wickford	41° 34'	71° 27'	3.8	4.7	2.0	Predictions
Narragansett Pier	41° 25'	71° 27'	3.2	4.0	1.7	Predictions

RHODE ISLAND, Outer Coast

Station	Latitude	Longitude	Mean Range (ft)	Spring Range (ft)	Mean Tide Level (ft)	 Predictions
Point Judith Harbor of Refuge	41° 21.8'	71° 29.4'	3.1	3.1	1.7	Predictions
Block Island (Great Salt Pond)	41° 11'	71° 35'	2.6	3.2	1.4	Predictions
Block Island (Old Harbor)	41° 10'	71° 33'	2.9	3.6	1.5	Predictions
Watch Hill Point	41° 18'	71° 52'	2.6	3.2	1.4	Predictions
Westerly, Pawcatuck River	41° 23'	71° 50'	2.6	3.1	1.5	Predictions

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