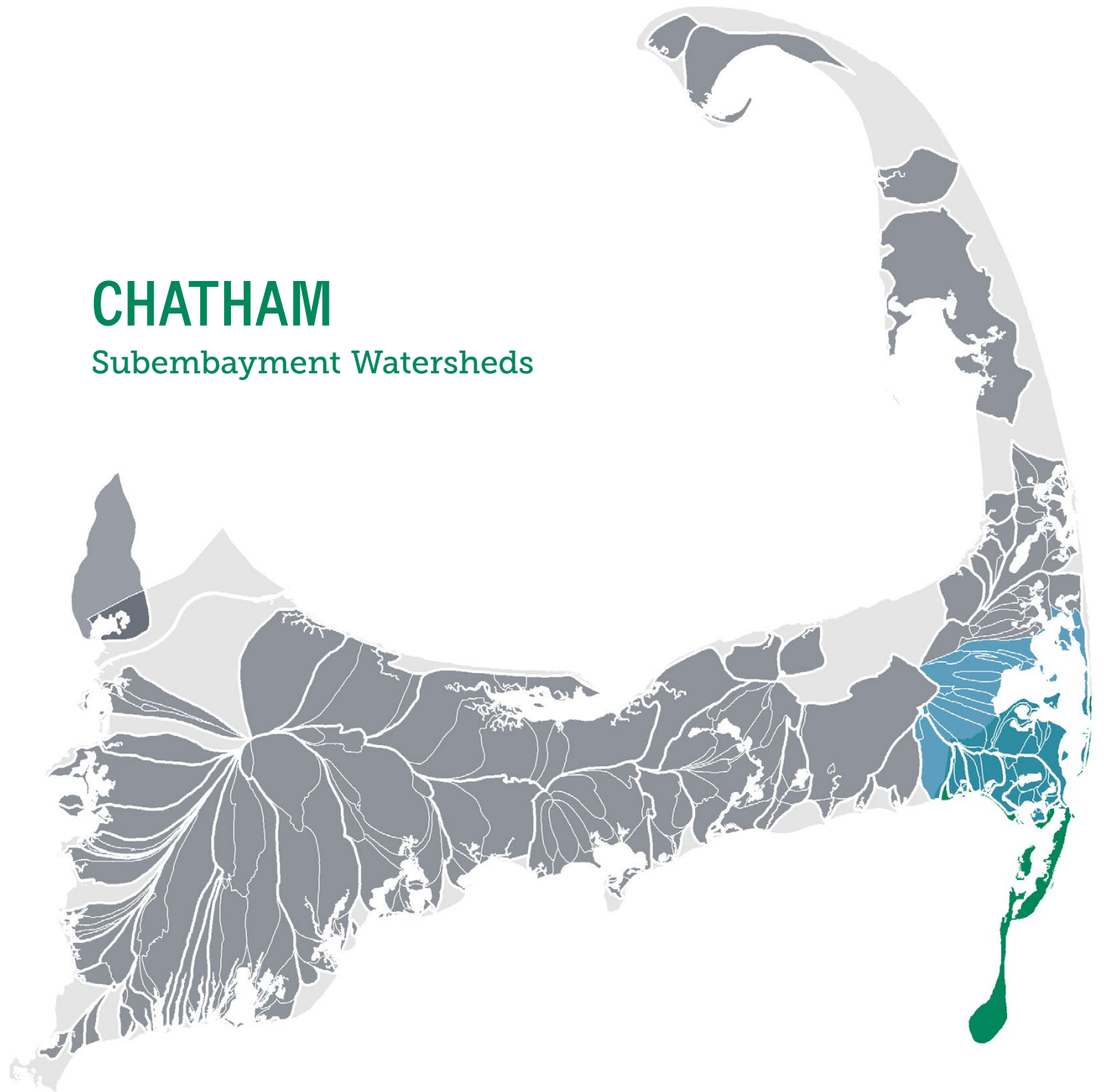


CHATHAM

Subembayment Watersheds



The following definitions are used to describe nitrogen responsibility:

Unattenuated load: the controllable nitrogen load, in kg, deposited in the watershed

Attenuated load: the controllable nitrogen load, in kilograms (kg), from the watershed that reaches the embayment after the effect of natural attenuation in wetlands or ponds

Threshold: the amount of nitrogen, in kg, that a water body can receive and still meet water quality goals; this number is based on Massachusetts Estuaries Project (MEP) technical reports or Total Maximum Daily Load (TMDL) reports

Reduction target: the amount of nitrogen, in kg, that needs to be removed from the watershed to achieve the threshold; this number is calculated by subtracting the threshold number from the controllable attenuated load

Percent contribution: the percent of controllable attenuated load that a town contributes to the watershed

Kilogram responsibility: is calculated by applying the percent contribution to the reduction target and indicates the amount of nitrogen, in kg, that a community is responsible for addressing

PLEASANT BAY

SUBEMBAYMENT: BASSING HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
920	910	609	301	100%	301	N/A

SUBEMBAYMENT: BASSING HARBOR - CROWS POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,346	1,343	1,540	N/A	100%	N/A	N/A

SUBEMBAYMENT: BASSING HARBOR - FROST FISH CREEK

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,273	1,273	257	1,016	100%	1,016	N/A

SUBEMBAYMENT: BASSING HARBOR - RYDERS COVE

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
4,090	3,674	1,630	2,044	100%	2,044	N/A

SUBEMBAYMENT: CHATHAM HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
6,743	6,687	6,241	446	100%	446	N/A

SUBEMBAYMENT: MUDDY CREEK LOWER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
4,147	3,989	780	3,209	31%	981	Harwich (69%)

CHATHAM: Subembayment Watersheds

SUBEMBAYMENT: MUDDY CREEK UPPER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
6,003	5,131	1,684	3,447	21%	718	Harwich (79%)

SUBEMBAYMENT: PLEASANT BAY

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
13,651	13,237	7,979	5,258	6%	304	Brewster (22%), Harwich (41%), Orleans (31%)

RED RIVER

SUBEMBAYMENT: RED RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
7,796	7,796	N/A	N/A	5%	N/A	Harwich (95%)

STAGE HARBOR

SUBEMBAYMENT: LITTLE MILL POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
625	625	340	285	100%	285	N/A

SUBEMBAYMENT: MILL POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,088	1,088	296	792	100%	792	N/A

CHATHAM: Subembayment Watersheds

SUBEMBAYMENT: MITCHELL RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
902	902	1,267	N/A	100%	N/A	N/A

SUBEMBAYMENT: OYSTER POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,631	3,604	723	2,881	100%	2,881	N/A

SUBEMBAYMENT: OYSTER RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,274	3,274	1,007	2,267	100%	2,267	N/A

SUBEMBAYMENT: STAGE HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
716	716	161	555	100%	555	N/A

SULFUR SPRINGS/BUCKS CREEK

SUBEMBAYMENT: BUCKS CREEK

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,027	1,027	796	231	100%	231	N/A

SUBEMBAYMENT: COCKLE COVE CREEK

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,552	3,552	2,431	1,121	100%	1,121	N/A

CHATHAM: Subembayment Watersheds

SUBEMBAYMENT: SULFUR SPRINGS

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,201	3,201	3,015	186	100%	186	N/A

TAYLORS POND/MILL CREEK

SUBEMBAYMENT: MILL CREEK

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
2,132	2,132	1,106	1,026	81%	835	Harwich (19%)

SUBEMBAYMENT: TAYLORS POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
2,853	2,853	1,464	1,389	86%	1,196	Harwich (14%)