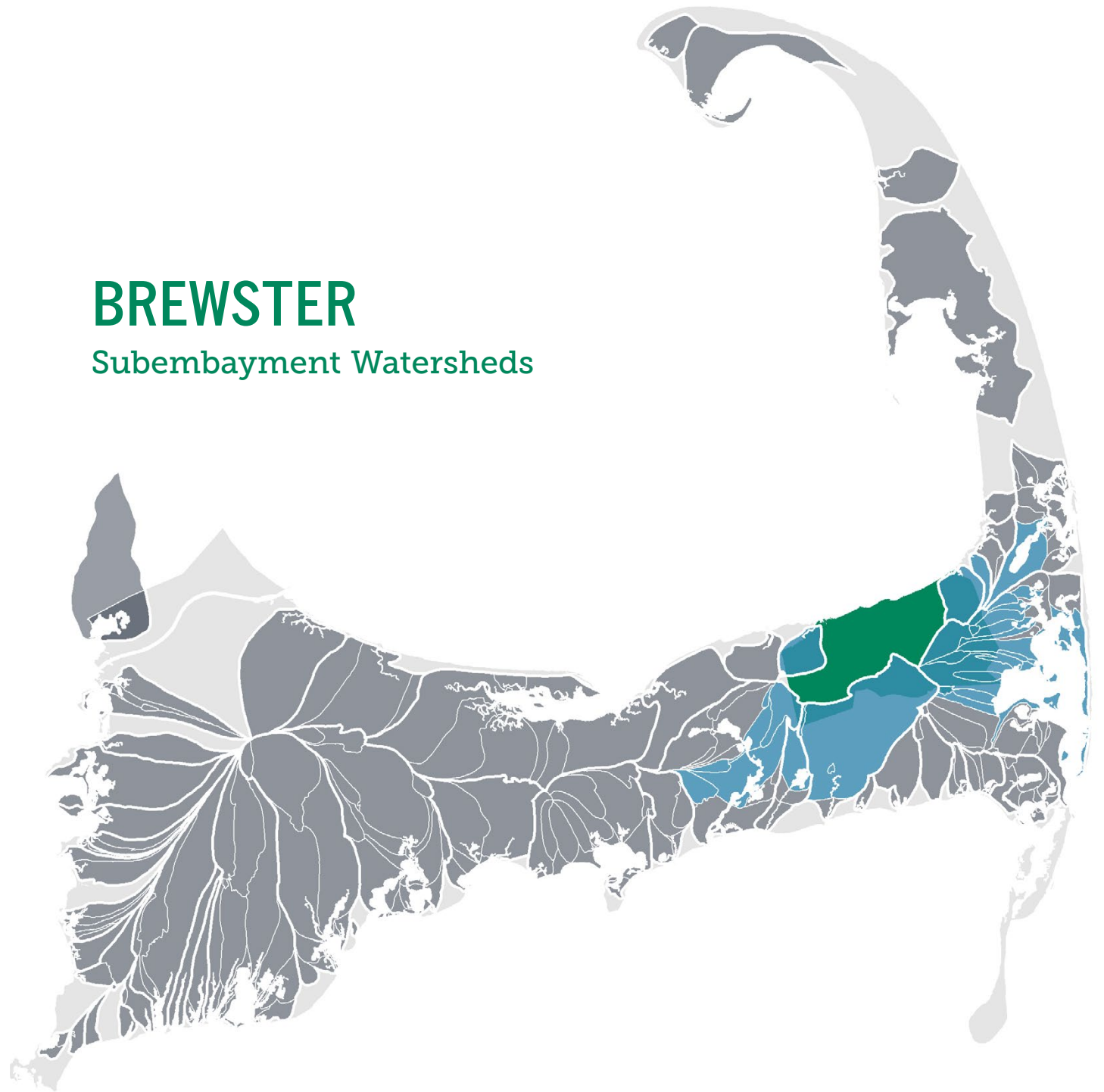


BREWSTER

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

BASS RIVER

SUBEMBAYMENT: BASS RIVER MIDDLE

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
22,820	21,751	10,889	10,862	<1%	39	Dennis (33%), Yarmouth (67%)

SUBEMBAYMENT: KELLEYS BAY

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
6,732	6,671	1,409	5,262	1%	47	Dennis (82%), Yarmouth (17%)

HERRING RIVER (HARWICH)

SUBEMBAYMENT: UPPER HERRING RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
29,784	16,862	14,106	2,756	5%	150	Dennis (7%), Harwich (88%)

LITTLE NAMSKAKET CREEK

SUBEMBAYMENT: LITTLE NAMSKAKET MARSH

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
2,654	2,616	*-65	*0	1%	*0	Orleans (99%)

*Has assimilative capacity

BREWSTER: Subembayment Watersheds

NAMSKAKET CREEK

SUBEMBAYMENT: NAMSKAKET MARSH

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
5,490	3,961	0	0	74%	0	Orleans (26%)

PLEASANT BAY

SUBEMBAYMENT: AREYS POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
519	363	334	29	6%	2	Orleans (94%)

SUBEMBAYMENT: KESCAYO GANSETT (LONNIES) POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
789	563	593	N/A	2%	N/A	Orleans (98%)

SUBEMBAYMENT: NAMEQUOIT RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,024	895	632	263	3%	9	Orleans (97%)

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	22%	1,158	Chatham (6%), Harwich (41%), Orleans (31%)

BREWSTER: Subembayment Watersheds

SUBEMBAYMENT: QUANSET POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
738	484	394	90	14%	13	Orleans (86%)

SUBEMBAYMENT: TAR KILN STREAM

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
697	697	1,907	N/A	78%	N/A	Orleans (22%)

SUBEMBAYMENT: THE RIVER UPPER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,460	1,088	634	454	1%	7	Orleans (99%)

QUIVETT CREEK

SUBEMBAYMENT: QUIVETT CREEK

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
4,293	4,293	N/A	N/A	79%	N/A	Dennis (21%)

SWAN POND RIVER

SUBEMBAYMENT: SWAN POND RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
6,348	6,280	1,848	4,432	3%	131	Dennis (96%), Harwich (1%)

BREWSTER: Subembayment Watersheds

NAUSET MARSH

SUBEMBAYMENT: TOWN COVE

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
10,427	10,287	3,493	6,794	1%	74	Eastham (25%), Orleans (74%)