

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

HARWICH: Subembayment Watersheds

ALLEN HARBOR

SUBEMBAYMENT: ALLEN HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,064	2,692	893	1,799	100%	1,799	N⁄A

HERRING RIVER (HARWICH)

SUBEMBAYMENT: EAST RESERVOIR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
21	21	107	-86	100%	-86	N⁄A
subembayment: LOWER I	HERRING RIVER					
Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns

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	88%	2,424	Brewster (5%), Dennis (7%)

PLEASANT BAY

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	69%	2,228	Chatham (31%)

HARWICH: Subembayment Watersheds

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
60,031	5,131	1,684	3,447	79%	2,729	Chatham (21%)
UBEMBAYMENT: PLEASA	NT 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	41%	2,161	Brewster (22%), Chatham (6%) Orleans (31%)
SUBEMBAYMENT: ROUND (COVE					
Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
2,199	Attenuated Load (kg.) 2,199	Threshold (kg.) 1,080	Reduction Target (kg.) 1,119	Percent Contribution	Kilogram Responsibility 1,119	Additional Contributing Towns
	2,199					
2,199 RED RIVER	2,199					
2,199 RED RIVER subembayment: RED RIVE	2,199 ER	1,080	1,119	100%	1,119	N⁄A
2,199 RED RIVER SUBEMBAYMENT: RED RIVE Unattenuated Load (kg.)	2,199 ER Attenuated Load (kg.) 7,796	1,080 Threshold (kg.)	1,119 Reduction Target (kg.)	100% Percent Contribution	1,119 Kilogram Responsibility	N/A Additional Contributing Towns
2,199 RED RIVER SUBEMBAYMENT: RED RIVE Unattenuated Load (kg.) 7,796	2,199 ER Attenuated Load (kg.) 7,796	1,080 Threshold (kg.)	1,119 Reduction Target (kg.)	100% Percent Contribution	1,119 Kilogram Responsibility	N/A Additional Contributing Towns
2,199 RED RIVER SUBEMBAYMENT: RED RIVE Unattenuated Load (kg.) 7,796	2,199 ER Attenuated Load (kg.) 7,796	1,080 Threshold (kg.)	1,119 Reduction Target (kg.)	100% Percent Contribution	1,119 Kilogram Responsibility	N/A Additional Contributing Towns

HARWICH: Subembayment Watersheds

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	1%	40	Brewster (3%), Dennis (96%)

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	19%	191	Chatham (81%)

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	14%	193	Chatham (86%)

WYCHMERE HARBOR

SUBEMBAYMENT: WYCHMERE HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,227	1,227	241	986	100%	986	N/A