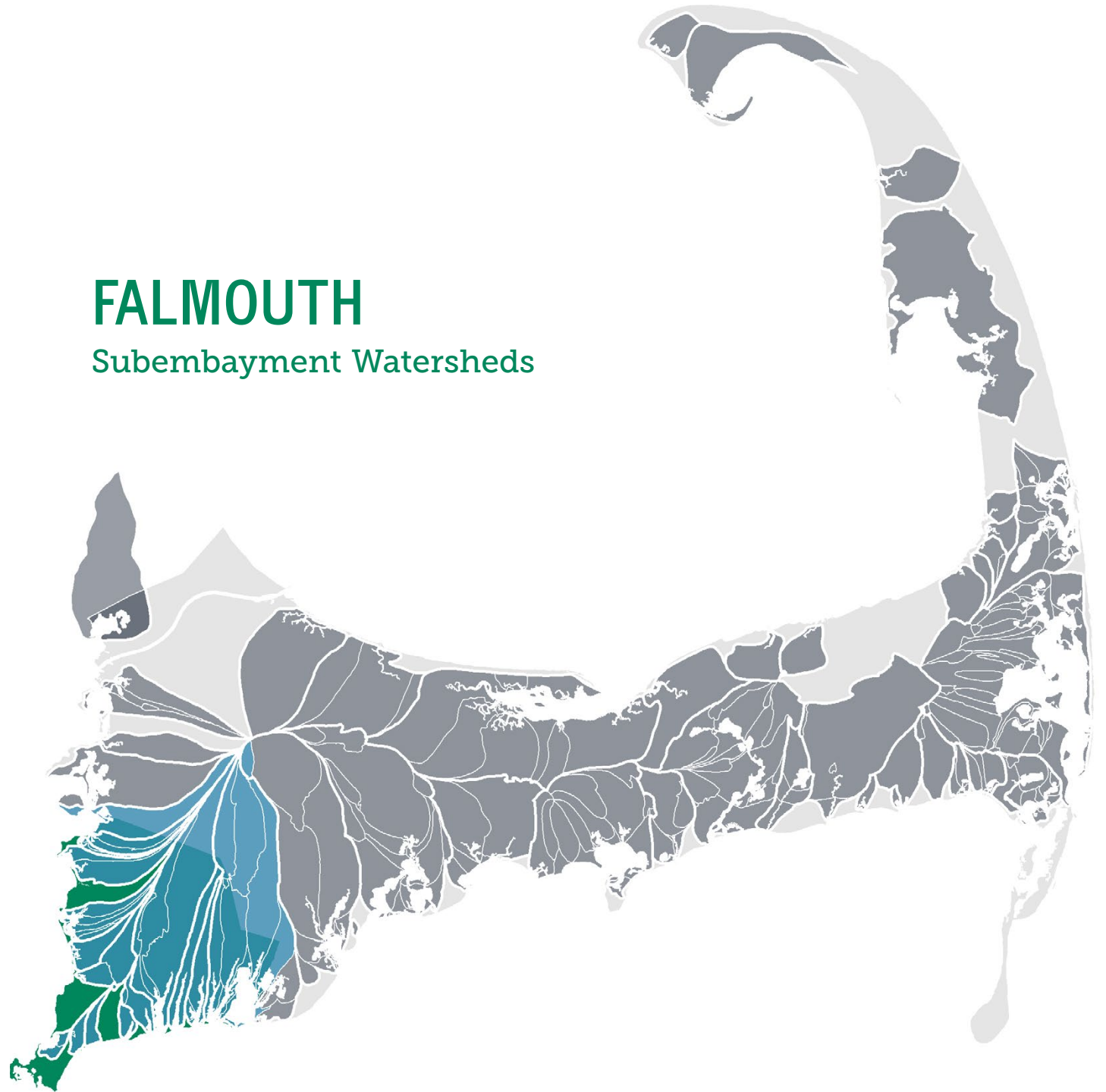


FALMOUTH

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

BOURNES POND

SUBEMBAYMENT: BOURNES POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
6,435	5,576	1,197	4,379	99%	4,362	Mashpee (<1%), Sandwich (<1%)

SUBEMBAYMENT: ISRAELS POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
774	774	99	675	100%	675	N/A

FALMOUTH INNER HARBOR

SUBEMBAYMENT: FALMOUTH INNER HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,950	3,541	2,002	1,539	100%	1,539	N/A

FIDDLERS COVE

SUBEMBAYMENT: FIDDLERS MAIN

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
356	356	325	31	100%	31	N/A

SUBEMBAYMENT: FIDDLERS UPPER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,143	1,128	905	223	100%	223	N/A

FALMOUTH: Subembayment Watersheds

GREAT POND

SUBEMBAYMENT: GREAT POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
26,264	19,352	6,866	12,486	99%	12,465	Sandwich (1%)

SUBEMBAYMENT: PERCH POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,026	2,150	329	1,821	100%	1,821	N/A

GREAT SIPPEWISSET CREEK

SUBEMBAYMENT: GREAT SIPPEWISSET CREEK

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
2,751	2,751	N/A	N/A	100%	N/A	N/A

GREEN POND

SUBEMBAYMENT: GREEN POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
8,713	7,002	3,708	3,294	99%	3,265	Mashpee (<1%), Sandwich (<1%)

LITTLE POND

SUBEMBAYMENT: LITTLE POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
7,678	6,797	1,956	4,841	100%	4,841	N/A

LITTLE SIPPEWISSET MARSH

SUBEMBAYMENT: LITTLE SIPPEWISSET MARSH

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,845	1,845	N/A	N/A	100%	N/A	N/A

MEGANSETT HARBOR

SUBEMBAYMENT: MEGANSETT HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
5,383	5,383	N/A	N/A	61%	N/A	Bourne (39%)

OYSTER POND

SUBEMBAYMENT: OYSTER POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,200	1,200	450	750	100%	750	N/A

FALMOUTH: Subembayment Watersheds

SUBEMBAYMENT: OYSTER POND LAGOON

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
22	22	107	N/A	100%	N/A	N/A

QUISSETT HARBOR

SUBEMBAYMENT: QUISSETT HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
533	533	533	N/A	100%	N/A	N/A

SUBEMBAYMENT: UPPER QUISSETT HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
725	725	434	291	100%	291	N/A

RANDS HARBOR

SUBEMBAYMENT: RAND HARBOR INLET

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
9	9	5	4	100%	4	N/A

SUBEMBAYMENT: RAND HARBOR NORTH

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,676	829	665	164	100%	164	N/A

SUBEMBAYMENT: RAND HARBOR SOUTH

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,525	1,463	940	523	100%	523	N/A

SALT POND

SUBEMBAYMENT: SALT POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,596	3,592	466	3,126	100%	3,126	N/A

WAQUOIT BAY

SUBEMBAYMENT: CHILDS RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
11,339	10,602	2,990	7,612	71%	5,370	Mashpee (24%), Sandwich (5%)

SUBEMBAYMENT: EEL POND EAST

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
836	836	299	537	100%	537	N/A

SUBEMBAYMENT: EEL POND SOUTH

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
233	233	191	42	100%	42	N/A

SUBEMBAYMENT: EEL POND WEST

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
6,895	6,633	3,215	3,418	95%	3,252	Mashpee (1%), Sandwich (4%)

SUBEMBAYMENT: HAMBLIN POND AND RED BROOK FRESHWATER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
5,149	5,149	1,113	4,036	31%	1,248	Mashpee (69%)

FALMOUTH: Subembayment Watersheds

SUBEMBAYMENT: QUASHNET RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
9,547	8,031	5,463	2,568	22%	569	Mashpee (61%), Sandwich (17%)

SUBEMBAYMENT: WAQUOIT BAY

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
730	730	510	220	82%	180	Mashpee (18%)

WEST FALMOUTH HARBOR

SUBEMBAYMENT: HARBOR HEAD

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
457	457	216	241	100%	241	N/A

SUBEMBAYMENT: INNER HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
1,540	1,540	1,935	N/A	100%	N/A	N/A

SUBEMBAYMENT: MASHAPAQUIT CREEK

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
2,005	1,202	2,498	N/A	100%	N/A	N/A

SUBEMBAYMENT: OUTER WEST FALMOUTH HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
587	587	496	91	100%	91	N/A

FALMOUTH: Subembayment Watersheds

SUBEMBAYMENT: OYSTER POND

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
435	435	262	173	100%	173	N/A

SUBEMBAYMENT: SNUG HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
6,807	6,807	1,356	5,451	100%	5,451	N/A

WILD HARBOR

SUBEMBAYMENT: WILD HARBOR

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
3,078	3,078	1,662	1,416	100%	1,416	N/A

SUBEMBAYMENT: WILD HARBOR RIVER

Unattenuated Load (kg.)	Attenuated Load (kg.)	Threshold (kg.)	Reduction Target (kg.)	Percent Contribution	Kilogram Responsibility	Additional Contributing Towns
6,874	4,785	4,223	562	100%	562	N/A

