

Name	Watershed ID#	% Attenuation ⁽²⁾	Wastewater Evaluations				Projected Future Controllable Watershed Loads (Attenuated)										
			Future Septic Sys Watershed Load		MEP Existing % Wastewater Nitrogen Removals	% Sewering Required for this Scenario	Future Septic Sys after Sewers	From Old Otis WWTF		From New FCC Recharge		Future Lawn Fertilizers		Future Impervious Surfaces		Total Future Load Target Threshold Achievement	Target Threshold Watershed Load ⁽¹⁾
			kg/yr	kg/d				kg/d	kg/yr	kg/d	kg/yr	kg/d	kg/yr	kg/d	kg/yr		
Bournes Pond System	18, 19, 20 + Ashumet Pond		5,834	15.98	-	-	0.08	0	0.00	3,958	10.84	469	1.29	496	1.36	13.57	3.55
Israels Cove	19		696	1.91	100%	100%	0.00	0	0.00	0	0.00	30	0.08	57	0.16	0.24	-
Bournes Pond	20		1,401	3.32	-	-	0.00	0	0.00	912	2.50	176	0.48	274	0.75	3.73	-
Bournes Pond GT10	31		1,223	3.35	100%	100%	0.00	0	0.00	0	0.00	66	0.18	120	0.33	0.51	-
Bournes Pond LT10	32		2,178	5.97	100%	100%	0.00	0	0.00	912	2.50	110	0.30	154	0.42	3.22	-
Bournes Brook	18 + Ashumet Pond	30%	1,738	4.76	-	-	0.08	0	0.00	3,046	8.34	263	0.72	166	0.45	9.60	-
Bournes Brook GT10	28		1,212	3.32	55%	100%	0.00	0	0.00	4,351	11.92	112	0.31	95	0.26	12.49	-
Bournes Brook LT10	29		1,231	3.37	55%	100%	0.00	0	0.00	0	0.00	265	0.72	118	0.32	1.05	-
Ashumet Pond (AP)		0%	40	0.11	55%	0%	0.11	0	0.00	0	0.00	0	0.00	24	0.07	0.18	-

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			kg/yr	kg/d				kg/d	kg/yr	kg/d	kg/yr	kg/d	kg/yr	kg/d	kg/yr		
Waquoit-West System			18,328	50.21	-	-	0.00	0.00	0.00	4,103	11.24	1,039	2.85	902	2.47	16.56	9.47
Eel Pond (EP-2)		10.00%	9,323	25.54	55%	-	0.00	0.00	0.00	0	0.00	547	1.50	754	2.06	3.56	-
EP-2			9,118	24.98	55%	100%	0.00	0.00	0.00	0	0.00	406	1.11	776	2.13	3.24	-
Mashpee EP-2			1,241	3.40	55%	100%	0.00	0.00	0.00	0	0.00	202	0.55	61	0.17	0.72	-
Waquoit Bay (EP-1)			9,006	24.67	100%	100%	0.00	0.00	0.00	4,103	11.24	491	1.35	148	0.41	12.99	-

Notes:

1. This is the "controllable"
2. % Attenuation (1-% Attenuation) is multiplied through nitrogen input categories where % Attenuation is noted in the column.
3. This worksheet is based on
 - Phase 1, 2 and 3 recharge at the Falmouth Country Club Site.
 - 100% sewerage of the Bournes Pond and Waquoit West Watersheds



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WATER WORKSHEET NO. 1

FIGURE 4-7