

TABLE 4-5

SUMMARY OF EXISTING FLOWS TO TREAT

MAJOR WATERSHED AREAS	AVERAGE ANNUAL WW FLOW (MGD)	N LOADING (KG/D)	EXISTING EST. REMOVAL %⁽²⁾	EST. N LOAD TO BE TREATED (KG/D)	EST. FLOW TO BE TREATED (MGD)⁽³⁾
Rock Harbor Estuary	0.01	1.07	79%	0.84	0.01
Nauset-Town Cove Estuary	0.22	21.64	55%	11.90	0.12
Wellfleet Harbor	0.09	8.77	N/A	N/A	N/A
Herring River	0.05	4.66	N/A	N/A	N/A
Boat Meadow River	0.04	4.38	N/A	N/A	N/A
Freshwater Pond System ⁽¹⁾	0.08	N/A	100%	N/A	0.08
Atlantic Ocean Recharge Area	0.09	9.04	N/A	N/A	N/A
Cape Cod Bay Recharge Area	0.32	32.05	N/A	N/A	N/A
TOTAL	0.82	80.00	-	-	0.21

Notes:

- (1) The Freshwater Pond System is an overlay on the Cape Cod Bay Recharge, Herring River Recharge and Nauset Harbor Recharge watershed areas. Therefore the total flow from the Town of Eastham does not sum the Freshwater Pond System as it is quantified within the areas noted above.
- (2) All percentages are for WW nitrogen except the Freshwater Pond System which reflects the estimated removal % for phosphorus.
- (3) Based on the existing flows of Table 4-2 and the wastewater nitrogen removal percentages illustrated in Figure 4-1. This estimate does not include I/I flows.