

TABLE 4-5

PLEASANT BAY WATERSHED NITROGEN LOADS (RELATIVE TO CHATHAM) ^{(1) (2)}

CHATHAM RELATED SUB-EMBAYMENTS	PRESENT LOAD (kg/day)	BUILD-OUT LOAD (kg/day)	BUILD-OUT (% CHANGE)	NO ANTHROPOGENIC LOAD (kg/day)	NO ANTHROPOGENIC LOAD (% CHANGE)
Muddy Creek – Upper ⁽³⁾	9.981	13.54	+35.7%	1.95	-80.5%
Muddy Creek – Lower ⁽³⁾	8.477	10.189	+20.2%	1.47	-82.6%
Pleasant Bay ⁽³⁾	23.159	30.792	+33.0%	3.49	-84.9%
Pleasant Bay/Chatham Harbor Channel	-	-	-	-	-
Bassing Harbor – Ryder Cove	9.819	11.137	+13.4%	2.00	-79.6%
Bassing Harbor – Frost Fish Creek	2.904	3.318	+14.2%	0.40	-86.2%
Bassing Harbor – Crows Pond	4.219	4.647	+10.1%	0.53	-87.3%
Bassing Harbor	1.668	1.967	+17.9%	0.23	-86.0%
Chatham Harbor	17.099	19.055	+11.4%	1.84	-89.2%
<p>Note:</p> <ol style="list-style-type: none">1. These loads do not include direct atmospheric deposition onto the sub-embayment surface or benthic flux loading terms.2. Source: Table VI-5 of MEP's <i>Linked Watershed-Embayment Model to Determine Critical Nitrogen Loading Thresholds for Pleasant Bay System, Orleans, Chatham, Brewster and Harwich, Massachusetts</i>, May 20063. Loads include contributions from other Towns within the Pleasant Bay watershed.					