

TABLE X-37.—ESTIMATED WTP VALUES FOR FISH AND SHELLFISH IN WETLANDS FOR THE NORTH ATLANTIC REGION (2002\$)—Continued

	\$/HH/ Acre/ Year ^a	Total WTP/ Acre/Year for HH in Counties abutting af- fected waterbody ^b	Total WTP/Acre/Year for HH within 32.4 mile radius of af- fected water body ^c	
			97.7%	27%
Shellfish				
Total Value	\$0.016	\$3,268	\$11,258	\$5,481
Nonuse Value ^d	0.015	3,132	10,789	5,253

^a Values shown are WTP per household per additional (*i.e.*, marginal) acre per year from the Peconic study.

^b Total WTP per acre is calculated as household WTP per acre times the average of 210,357 households in the counties abutting affected water bodies.

^c Total WTP per acre is calculated as household WTP per acre times 737,711, the average number of households within a 32.43-mile radius of affected water bodies.

^d Total nonuse value is calculated as value per acre for nonusers only times all households in the region.

d. Estimates of the Value of Baseline Impingement and Entrainment Losses for the North Atlantic Region

EPA multiplied the estimated number of acres of SAV and wetlands needed to offset impingement and entrainment losses for the North Atlantic region by the estimated per acre values of SAV and wetlands to assess the value of baseline impingement and entrainment losses. As discussed above, EPA performed this analysis on the SAV—

and wetlands-dependent species requiring the maximum restoration acres among these for which productivity estimates are available.

Table X-38 presents the estimated values for SAV restoration for the North Atlantic Region. EPA estimated that between 151 and 1,204 acres of revegetated SAV (eelgrass) is required to offset average annual impingement and entrainment losses of scup and northern pipefish, depending on whether Brayton Point or Pilgrim is used for the

productivity estimates. Based on the estimated value per acre to residents of counties abutting the affected water bodies, the total value of restoring 151 acres of eelgrass is \$2,014,450. Nonuse only value is \$1,659,930. The estimated total value to all households residing within 32.43 miles from the affected water bodies, ranges from \$3,377,982 to \$6,938,316 per year. Nonuse only value ranges from \$2,783,496 to \$5,717,253. Figures are given in 2002 dollars.

TABLE X-38.—WTP VALUES FOR SAV RESTORATION OF FISH FOR THE NORTH ATLANTIC REGION (2002\$)

Species benefitting from SAV restoration	Acres of required SAV restoration	Total willingness to pay per acre per year	
Counties Abutting Affected Water Bodies			
Scup	151 acres	Total Value	\$2,014,450
Threespine stickleback		Nonuse Value	1,659,243
Northern pipefish	1,205 acres	Total Value	16,075,574
		Nonuse Value	13,246,458
All Households Residing Within 32.43 Miles of Affected (High Estimate)			
Scup	151 acres	Total Value	\$6,938,316
Threespine stickleback		Nonuse Value	5,717,253
Northern pipefish	1,205 acres	Total Value	55,368,683
		Nonuse Value	45,624,433
All Households Residing Within 32.43 Miles of Affected Water Bodies (Low Estimate)			
Scup	151 acres	Total Value	\$3,377,982
Threespine stickleback		Nonuse Value	2,783,496
Northern pipefish	1,205 acres	Total Value	26,956,743
		Nonuse Value	22,212,667