

TABLE X-40.—REDUCTIONS IN IMPINGEMENT AND ENTRAINMENT LOSSES WITH THE PREFERRED OPTION—Continued

Species	Percent reduction
Striped killifish	18.43
Threespine stickleback	31.17

TABLE X-40.—REDUCTIONS IN IMPINGEMENT AND ENTRAINMENT LOSSES WITH THE PREFERRED OPTION—Continued

Species	Percent reduction
Northern pipefish	18.97
Scup	23.75

Table X-41 gives the range of WTP values for the preferred option for the North Atlantic region. Summing the values for wetlands and SAV restoration, the total benefits of the preferred option for the six species identified above range from \$15 to \$98 million (2002\$). Nonuse value only ranges from \$14 to \$92 million (2002\$).

TABLE X-41.—WTP VALUES FOR WETLANDS AND SAV RESTORATION OF FISH FOR THE NORTH ATLANTIC REGION, BASED ON THE PREFERRED OPTION (2002\$)

	Lower bound	Upper bound
Counties Abutting Affected Water Bodies		
Total Value	\$14,840,614	\$28,573,472
Nonuse Value	14,171,720	26,871,437
All Households Residing Within 32.43 Miles of Affected Water Bodies (High Estimate)		
Total Value	\$51,115,141	\$98,414,866
Nonuse Value	48,811,287	92,552,594
All Households Residing Within 32.43 Miles of Affected Water Bodies (Low Estimate)		
Total Value	\$24,885,868	\$47,914,165
Nonuse Value	23,764,215	45,060,065

f. Per Household Values of Changes in Impingement and Entrainment Losses for the North Atlantic Region

Another way of presenting these results is to calculate the implied per household WTP for households residing in the two different definitions of the study area. Table X-42 presents results

of these calculations. A total of 3.65 million households live in the counties abutting affected water bodies while 4.2 million households live within a 32.4 mile radius of affected water bodies. This implies a total WTP to eliminate all I&E losses of \$21.70 to \$40.62 and non-use WTP of \$20.73 to \$33.97 per

household residing in the counties abutting affected water bodies.

If a 32.4 mile radius is used in these calculations, the implied WTP values to reduce all I&E losses range from \$31.62 to \$121.57 and non-use WTP range \$29.92 to \$113.68 per household residing in the 32.4 mile-radius area. All values are given in 2002\$.

TABLE X-42.—VALUES PER HOUSEHOLD FOR TOTAL AFFECTED POPULATION OF THE NORTH ATLANTIC, FOR SAV AND WETLANDS RESTORATION

	Baseline losses		Preferred option	
	Lower bound	Upper bound	Lower bound	Upper bound
Households in Bordering Counties				
Total Value (nonuse + use)	\$79,208,646	\$148,246,010	\$14,840,614	\$28,573,472
Total value/hh	21.70	40.62	4.07	7.83
Total non-use value	75,641,944	139,917,060	14,171,720	26,871,437
Non-use value/hh	20.73	33.97	3.44	6.52
Households Within 32.4 Mile Radius (high estimate)				
Total Value (nonuse + use)	\$272,816,278	\$510,599,883	\$51,115,141	\$98,414,866
Total value/hh	64.96	121.57	12.17	23.43
Total non-use value	260,531,584	481,912,693	48,811,287	92,552,594
Non-use value/hh	61.46	113.68	11.51	21.83
Households Within 32.4 Mile Radius (low estimate)				
Total Value (nonuse + use)	\$132,823,067	\$248,590,160	\$24,885,868	\$47,914,165
Total value/hh	31.62	59.19	5.93	11.41
Total non-use value	126,842,152	234,623,543	23,764,215	45,060,065
Non-use value/hh	29.92	55.35	5.61	10.63