

SOAR Oyster Monitoring – Data Summary

Table 1. Oyster metrics from SOAR restoration in Little Bay and Buttermilk Bay, Massachusetts. Percent mortality based on mean oyster density per square meter. Monitored in the winter/spring of 2022.

Water Body	Farm Plot	Reef Area (m2)	Estimated No. Live	se	Estimated No. Dead	se	Estimated No. Recruit	se	Mean Live Density (m2)	se	Mean Dead Density (m2)	se	Mean Recruit Density (m2)	se	% Mortality
Little Bay, Fairhaven	Round Hill	225	70,560	7,309	22,560	4,310	4,320	1,324	313.6	32.5	100.3	19.2	19.2	5.9	24%
	Taylor	108	16,013	3,603	9,216	2,600	1,728	735	148.3	33.4	85.3	24.1	16.0	6.8	37%
	Ward	601	49,042	18,307	39,105	9,173	6,731	3,459	81.6	30.5	65.1	15.3	11.2	5.8	44%
	Spindrift	238	17,517	5,383	25,387	3,519	3,554	1,800	73.6	22.6	106.7	14.8	14.9	7.6	59%
	Combined	1172	153,131	34,602	96,268	19,602	16,333	7,319	154.3	29.7	89.3	18.3	15.3	6.5	41%
Buttermilk Bay, Bourne	Buttermilk Bay	646	10,336	3,366	8,031	2,083	279	167	16.0	5.2	12.4	3.2	0.4	0.3	44%
	Green Acres/ Monk's Cove	252	18,322	5,408	8,005	4,578	-	-	72.7	21.5	31.8	18.2	-	-	30%
	Combined	898	28,658	8,774	16,036	6,661	279.4	167.1	44.4	13.3	22.1	10.7	0.2	0.1	37%