Appendix D

Tables of predicted relative abundance as a proportion of total relative abundance in the study area by BOEM wind energy planning/lease area and season for each species modeled

List of Tables

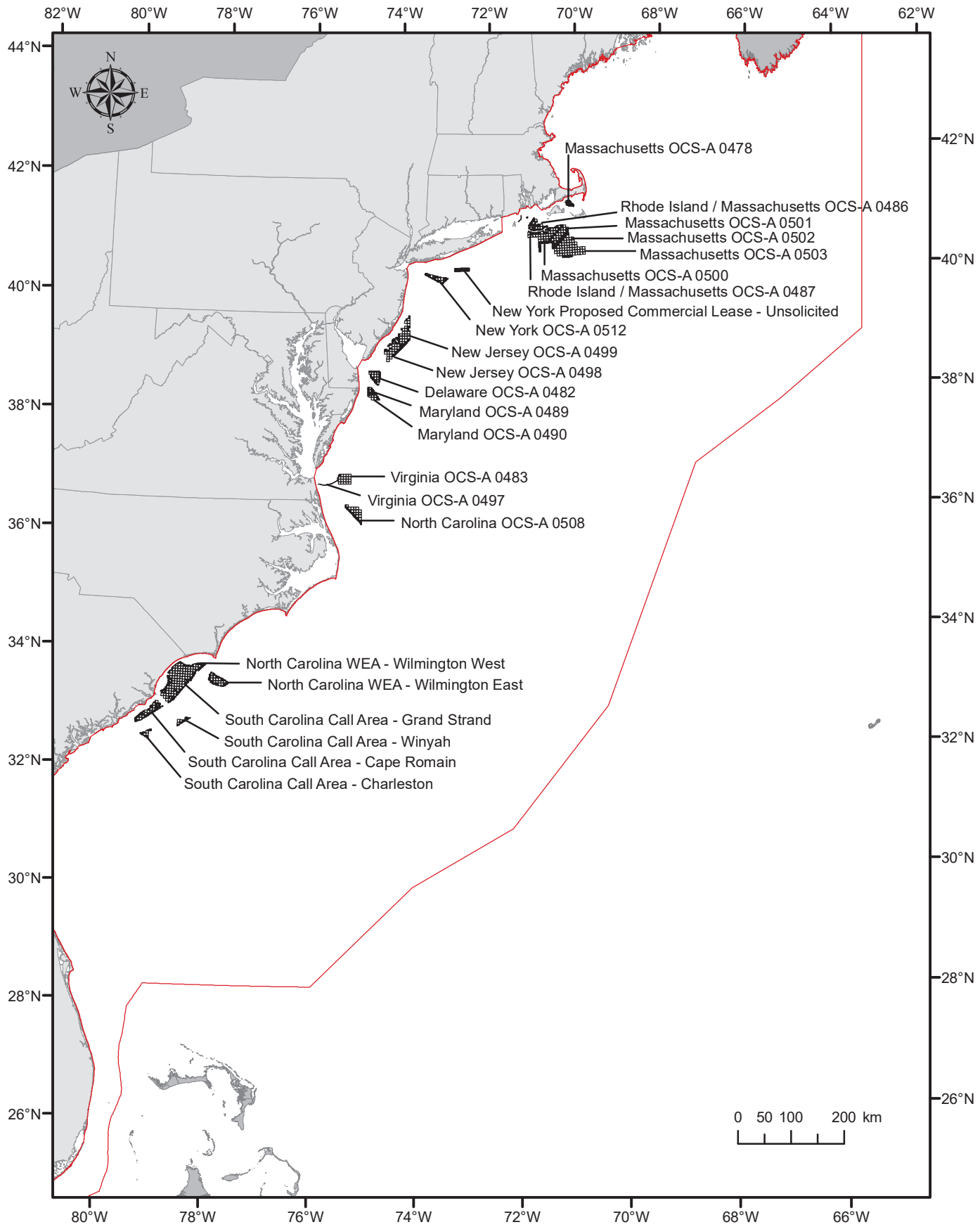

Figure D1. BOEM Wind Energy Lease/Planning Areas.

Predicted relative abundance of ARTE as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478		3.0e-05		
Rhode Island / Massachusetts OCS-A 0486		9.9e-05		
Rhode Island / Massachusetts OCS-A 0487		6.8e-05		
Massachusetts OCS-A 0500		1.9e-04		
Massachusetts OCS-A 0501		1.8e-04		
Massachusetts OCS-A 0502		2.7e-04		
Massachusetts OCS-A 0503		1.8e-04		
New York Proposed Commercial Lease - Unsolicited		3.9e-05		
New York OCS-A 0512		7.4e-05		
New Jersey OCS-A 0499		1.6e-04		
New Jersey OCS-A 0498		1.4e-04		
Delaware OCS-A 0482		8.4e-05		
Maryland OCS-A 0489		2.8e-05		
Maryland OCS-A 0490		4.1e-05		
Virginia OCS-A 0483		9.7e-05		
Virginia OCS-A 0497		2.4e-06		
North Carolina OCS-A 0508		1.1e-04		
North Carolina WEA - Wilmington West		4.3e-05		
North Carolina WEA - Wilmington East		1.1e-04		
South Carolina Call Area - Grand Strand		5.2e-04		
South Carolina Call Area - Cape Romain		1.3e-04		
South Carolina Call Area - Winyah		2.9e-05		
South Carolina Call Area - Charleston		2.9e-05		
All		2.7e-03		

Predicted relative abundance of ATPU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.6e-05	1.9e-05	2.5e-05	1.1e-05
Rhode Island / Massachusetts OCS-A 0486	1.1e-04	5.4e-05	9.4e-05	5.8e-05
Rhode Island / Massachusetts OCS-A 0487	9.7e-05	3.6e-05	6.2e-05	6.4e-05
Massachusetts OCS-A 0500	3.2e-04	1.0e-04	1.8e-04	2.3e-04
Massachusetts OCS-A 0501	2.2e-04	9.3e-05	1.5e-04	2.2e-04
Massachusetts OCS-A 0502	3.6e-04	1.3e-04	2.1e-04	4.0e-04
Massachusetts OCS-A 0503	2.3e-04	7.5e-05	1.2e-04	2.5e-04
New York Proposed Commercial Lease - Unsolicited	3.0e-05	2.0e-05	3.3e-05	3.6e-05
New York OCS-A 0512	4.2e-05	3.9e-05	7.2e-05	5.2e-05
New Jersey OCS-A 0499	8.5e-05	7.9e-05	1.4e-04	7.4e-05
New Jersey OCS-A 0498	7.1e-05	6.8e-05	1.2e-04	6.6e-05
Delaware OCS-A 0482	4.1e-05	4.0e-05	7.3e-05	3.9e-05
Maryland OCS-A 0489	1.4e-05	1.3e-05	2.5e-05	1.1e-05
Maryland OCS-A 0490	2.0e-05	1.9e-05	3.5e-05	2.5e-05
Virginia OCS-A 0483	4.6e-05	4.0e-05	8.0e-05	6.7e-05
Virginia OCS-A 0497	1.1e-06	1.0e-06	2.0e-06	1.2e-06
North Carolina OCS-A 0508	6.5e-05	3.9e-05	8.4e-05	1.3e-04
North Carolina WEA - Wilmington West	1.2e-05	2.0e-05	4.1e-05	1.2e-05
North Carolina WEA - Wilmington East	4.1e-05	4.7e-05	1.1e-04	4.7e-05
South Carolina Call Area - Grand Strand	1.5e-04	2.5e-04	5.1e-04	1.5e-04
South Carolina Call Area - Cape Romain	3.5e-05	6.1e-05	1.3e-04	2.9e-05
South Carolina Call Area - Winyah	2.2e-05	1.3e-05	2.9e-05	1.4e-05
South Carolina Call Area - Charleston	9.9e-06	1.5e-05	3.2e-05	1.1e-05
All	2.0e-03	1.3e-03	2.4e-03	2.0e-03

Predicted relative abundance of AUSH as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.6e-06	2.6e-06	2.5e-06	1.2e-09
Rhode Island / Massachusetts OCS-A 0486	5.2e-06	9.5e-06	8.9e-06	3.8e-09
Rhode Island / Massachusetts OCS-A 0487	3.6e-06	7.1e-06	6.1e-06	2.6e-09
Massachusetts OCS-A 0500	1.0e-05	1.9e-05	1.7e-05	7.3e-09
Massachusetts OCS-A 0501	8.9e-06	1.7e-05	1.5e-05	6.5e-09
Massachusetts OCS-A 0502	1.3e-05	3.3e-05	2.2e-05	9.6e-09
Massachusetts OCS-A 0503	7.5e-06	2.2e-05	1.2e-05	5.4e-09
New York Proposed Commercial Lease - Unsolicited	2.2e-06	4.0e-06	4.0e-06	1.6e-09
New York OCS-A 0512	4.2e-06	7.2e-06	8.2e-06	3.2e-09
New Jersey OCS-A 0499	9.9e-06	1.7e-05	2.0e-05	7.2e-09
New Jersey OCS-A 0498	8.7e-06	1.5e-05	1.8e-05	6.3e-09
Delaware OCS-A 0482	5.2e-06	9.2e-06	1.1e-05	3.8e-09
Maryland OCS-A 0489	1.8e-06	3.2e-06	3.6e-06	1.3e-09
Maryland OCS-A 0490	2.6e-06	4.6e-06	6.2e-06	1.9e-09
Virginia OCS-A 0483	6.4e-06	1.5e-05	2.2e-05	4.5e-09
Virginia OCS-A 0497	1.6e-07	3.3e-07	4.0e-07	1.1e-10
North Carolina OCS-A 0508	6.9e-06	2.9e-05	4.3e-05	5.1e-09
North Carolina WEA - Wilmington West	2.9e-06	8.6e-06	6.6e-06	1.2e-06
North Carolina WEA - Wilmington East	1.2e-05	1.0e-04	5.5e-05	7.6e-07
South Carolina Call Area - Grand Strand	3.6e-05	1.1e-04	9.6e-05	6.9e-07
South Carolina Call Area - Cape Romain	9.0e-06	3.5e-05	2.1e-05	8.1e-09
South Carolina Call Area - Winyah	8.8e-06	7.9e-05	4.8e-04	2.7e-07
South Carolina Call Area - Charleston	5.0e-06	2.1e-05	2.6e-05	2.1e-08
All	1.7e-04	5.7e-04	9.1e-04	3.0e-06

Predicted relative abundance of BCPE as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	6.1e-08	3.8e-10	8.8e-09	5.1e-11
Rhode Island / Massachusetts OCS-A 0486	2.0e-07	1.3e-09	2.9e-08	1.7e-10
Rhode Island / Massachusetts OCS-A 0487	1.4e-07	8.9e-10	2.0e-08	1.2e-10
Massachusetts OCS-A 0500	3.9e-07	2.4e-09	5.6e-08	3.2e-10
Massachusetts OCS-A 0501	3.5e-07	2.2e-09	5.0e-08	2.9e-10
Massachusetts OCS-A 0502	5.3e-07	3.2e-09	7.4e-08	4.3e-10
Massachusetts OCS-A 0503	3.0e-07	1.8e-09	4.2e-08	2.4e-10
New York Proposed Commercial Lease - Unsolicited	8.4e-08	5.3e-10	1.2e-08	7.1e-11
New York OCS-A 0512	1.6e-07	1.0e-09	2.4e-08	1.4e-10
New Jersey OCS-A 0499	3.8e-07	2.4e-09	5.5e-08	3.2e-10
New Jersey OCS-A 0498	3.4e-07	2.1e-09	4.8e-08	2.8e-10
Delaware OCS-A 0482	2.0e-07	1.3e-09	2.9e-08	1.7e-10
Maryland OCS-A 0489	6.9e-08	4.3e-10	9.8e-09	5.7e-11
Maryland OCS-A 0490	1.0e-07	6.2e-10	1.4e-08	8.1e-11
Virginia OCS-A 0483	2.5e-07	1.8e-09	3.4e-08	2.0e-10
Virginia OCS-A 0497	6.1e-09	4.3e-11	8.4e-10	4.8e-12
North Carolina OCS-A 0508	2.8e-07	2.0e-09	3.7e-08	2.1e-10
North Carolina WEA - Wilmington West	1.2e-07	7.3e-10	1.5e-08	9.0e-11
North Carolina WEA - Wilmington East	3.4e-07	5.5e-08	4.0e-08	2.6e-10
South Carolina Call Area - Grand Strand	1.4e-06	9.5e-09	1.9e-07	1.1e-09
South Carolina Call Area - Cape Romain	3.6e-07	7.2e-09	4.7e-08	2.7e-10
South Carolina Call Area - Winyah	2.7e-07	1.1e-08	1.2e-08	6.7e-11
South Carolina Call Area - Charleston	1.1e-07	4.6e-09	1.1e-08	6.2e-11
All	6.5e-06	1.1e-07	8.6e-07	5.0e-09

Predicted relative abundance of BLGU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478		8.0e-05		
Rhode Island / Massachusetts OCS-A 0486		2.2e-04		
Rhode Island / Massachusetts OCS-A 0487		1.5e-04		
Massachusetts OCS-A 0500		4.0e-04		
Massachusetts OCS-A 0501		3.6e-04		
Massachusetts OCS-A 0502		5.0e-04		
Massachusetts OCS-A 0503		2.7e-04		
New York Proposed Commercial Lease - Unsolicited		8.4e-05		
New York OCS-A 0512		1.7e-04		
New Jersey OCS-A 0499		3.5e-04		
New Jersey OCS-A 0498		3.0e-04		
Delaware OCS-A 0482		1.8e-04		
Maryland OCS-A 0489		5.9e-05		
Maryland OCS-A 0490		8.3e-05		
Virginia OCS-A 0483		1.8e-04		
Virginia OCS-A 0497		4.6e-06		
North Carolina OCS-A 0508		1.8e-04		
North Carolina WEA - Wilmington West		9.2e-05		
North Carolina WEA - Wilmington East		2.2e-04		
South Carolina Call Area - Grand Strand		1.2e-03		
South Carolina Call Area - Cape Romain		3.2e-04		
South Carolina Call Area - Winyah		6.1e-05		
South Carolina Call Area - Charleston		7.0e-05		
All		5.5e-03		

Predicted relative abundance of BLKI as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	6.4e-05		2.0e-04	1.3e-04
Rhode Island / Massachusetts OCS-A 0486	3.6e-04		9.0e-04	3.9e-04
Rhode Island / Massachusetts OCS-A 0487	3.7e-04		4.4e-04	2.9e-04
Massachusetts OCS-A 0500	1.1e-03		1.0e-03	8.1e-04
Massachusetts OCS-A 0501	1.1e-03		8.9e-04	7.3e-04
Massachusetts OCS-A 0502	1.9e-03		1.1e-03	1.0e-03
Massachusetts OCS-A 0503	1.3e-03		5.8e-04	5.8e-04
New York Proposed Commercial Lease - Unsolicited	2.4e-04		1.8e-04	1.5e-04
New York OCS-A 0512	2.4e-04		3.7e-04	2.7e-04
New Jersey OCS-A 0499	2.0e-04		4.5e-04	3.9e-04
New Jersey OCS-A 0498	1.6e-04		3.5e-04	2.7e-04
Delaware OCS-A 0482	8.5e-05		2.0e-04	8.9e-05
Maryland OCS-A 0489	2.8e-05		6.2e-05	2.9e-05
Maryland OCS-A 0490	4.0e-05		9.0e-05	4.4e-05
Virginia OCS-A 0483	8.4e-05		1.6e-04	9.1e-05
Virginia OCS-A 0497	1.9e-06		4.0e-06	2.1e-06
North Carolina OCS-A 0508	9.8e-05		1.3e-04	1.6e-04
North Carolina WEA - Wilmington West	2.2e-05		6.4e-05	4.5e-05
North Carolina WEA - Wilmington East	6.7e-05		1.6e-04	1.7e-04
South Carolina Call Area - Grand Strand	2.8e-04		7.7e-04	4.6e-04
South Carolina Call Area - Cape Romain	6.9e-05		2.0e-04	1.1e-04
South Carolina Call Area - Winyah	1.7e-05		2.9e-05	2.0e-05
South Carolina Call Area - Charleston	2.0e-05		4.2e-05	2.6e-05
All	7.8e-03		8.4e-03	6.3e-03

Predicted relative abundance of BLSC as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	3.8e-04		1.3e-03	9.1e-04
Rhode Island / Massachusetts OCS-A 0486	8.9e-05		3.1e-04	2.3e-04
Rhode Island / Massachusetts OCS-A 0487	3.8e-05		1.7e-04	1.2e-04
Massachusetts OCS-A 0500	1.1e-04		4.6e-04	3.3e-04
Massachusetts OCS-A 0501	9.2e-05		4.3e-04	3.3e-04
Massachusetts OCS-A 0502	1.1e-04		5.7e-04	5.0e-04
Massachusetts OCS-A 0503	5.9e-05		3.1e-04	3.2e-04
New York Proposed Commercial Lease - Unsolicited	2.7e-05		1.0e-04	1.0e-04
New York OCS-A 0512	1.1e-04		2.4e-04	3.2e-04
New Jersey OCS-A 0499	9.1e-04		5.1e-04	7.4e-04
New Jersey OCS-A 0498	5.0e-04		4.5e-04	6.9e-04
Delaware OCS-A 0482	1.1e-04		2.7e-04	4.7e-04
Maryland OCS-A 0489	6.2e-05		9.7e-05	1.5e-04
Maryland OCS-A 0490	4.7e-05		1.1e-04	1.5e-04
Virginia OCS-A 0483	5.2e-05		2.4e-04	2.6e-04
Virginia OCS-A 0497	2.6e-05		1.2e-05	2.2e-05
North Carolina OCS-A 0508	4.3e-05		2.4e-04	2.2e-04
North Carolina WEA - Wilmington West	6.4e-05		1.3e-04	4.0e-04
North Carolina WEA - Wilmington East	6.4e-05		2.9e-04	5.1e-04
South Carolina Call Area - Grand Strand	1.3e-03		1.6e-03	4.7e-03
South Carolina Call Area - Cape Romain	5.4e-04		4.5e-04	2.5e-03
South Carolina Call Area - Winyah	9.6e-06		7.1e-05	1.4e-04
South Carolina Call Area - Charleston	1.0e-05		7.4e-05	2.4e-04
All	4.7e-03		8.5e-03	1.4e-02

Predicted relative abundance of BOGU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	7.3e-05		6.2e-05	8.1e-05
Rhode Island / Massachusetts OCS-A 0486	9.2e-05		1.9e-04	8.9e-05
Rhode Island / Massachusetts OCS-A 0487	6.3e-05		1.3e-04	5.4e-05
Massachusetts OCS-A 0500	1.6e-04		3.5e-04	1.7e-04
Massachusetts OCS-A 0501	1.4e-04		3.2e-04	1.6e-04
Massachusetts OCS-A 0502	2.1e-04		4.4e-04	2.2e-04
Massachusetts OCS-A 0503	1.1e-04		2.4e-04	1.2e-04
New York Proposed Commercial Lease - Unsolicited	6.7e-05		8.2e-05	4.8e-05
New York OCS-A 0512	2.3e-04		1.7e-04	1.3e-04
New Jersey OCS-A 0499	1.2e-03		4.7e-04	3.2e-04
New Jersey OCS-A 0498	1.2e-03		4.4e-04	2.9e-04
Delaware OCS-A 0482	6.6e-04		2.8e-04	1.6e-04
Maryland OCS-A 0489	1.4e-04		1.0e-04	6.3e-05
Maryland OCS-A 0490	2.5e-04		1.3e-04	9.5e-05
Virginia OCS-A 0483	5.0e-04		2.6e-04	6.3e-04
Virginia OCS-A 0497	1.1e-05		7.4e-06	2.0e-05
North Carolina OCS-A 0508	7.6e-04		2.6e-04	5.7e-04
North Carolina WEA - Wilmington West	1.3e-03		2.4e-04	3.4e-04
North Carolina WEA - Wilmington East	7.4e-04		5.6e-04	1.5e-03
South Carolina Call Area - Grand Strand	1.0e-02		3.2e-03	2.6e-03
South Carolina Call Area - Cape Romain	1.7e-03		9.7e-04	5.2e-04
South Carolina Call Area - Winyah	6.9e-05		1.2e-04	5.7e-05
South Carolina Call Area - Charleston	9.8e-05		1.5e-04	1.3e-04
All	2.0e-02		9.2e-03	8.4e-03

Predicted relative abundance of BRPE as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	2.4e-05	4.6e-08	8.7e-06	2.7e-08
Rhode Island / Massachusetts OCS-A 0486	8.0e-05	1.1e-07	2.7e-05	9.7e-08
Rhode Island / Massachusetts OCS-A 0487	5.4e-05	7.3e-08	1.9e-05	6.6e-08
Massachusetts OCS-A 0500	1.5e-04	1.9e-07	5.0e-05	1.8e-07
Massachusetts OCS-A 0501	1.3e-04	1.7e-07	4.3e-05	1.5e-07
Massachusetts OCS-A 0502	1.9e-04	2.4e-07	6.2e-05	2.2e-07
Massachusetts OCS-A 0503	1.1e-04	1.3e-07	3.4e-05	1.2e-07
New York Proposed Commercial Lease - Unsolicited	3.5e-05	5.8e-08	1.4e-05	5.4e-08
New York OCS-A 0512	6.9e-05	1.6e-07	3.1e-05	1.2e-07
New Jersey OCS-A 0499	1.7e-04	2.2e-06	7.3e-05	3.3e-07
New Jersey OCS-A 0498	1.5e-04	5.7e-07	6.4e-05	3.1e-07
Delaware OCS-A 0482	9.4e-05	2.9e-07	3.9e-05	2.3e-07
Maryland OCS-A 0489	3.3e-05	8.4e-08	1.3e-05	8.2e-08
Maryland OCS-A 0490	4.7e-05	8.6e-08	1.8e-05	1.2e-07
Virginia OCS-A 0483	1.3e-04	1.9e-07	4.3e-05	4.3e-07
Virginia OCS-A 0497	3.5e-06	7.9e-06	1.3e-06	1.6e-08
North Carolina OCS-A 0508	1.4e-04	1.7e-07	4.3e-05	4.3e-07
North Carolina WEA - Wilmington West	1.4e-04	1.9e-06	4.0e-05	1.3e-06
North Carolina WEA - Wilmington East	4.2e-04	2.4e-05	6.8e-05	2.6e-06
South Carolina Call Area - Grand Strand	2.1e-03	5.6e-05	7.9e-04	2.8e-05
South Carolina Call Area - Cape Romain	1.1e-03	1.5e-04	1.6e-04	6.8e-06
South Carolina Call Area - Winyah	8.7e-05	4.7e-08	1.5e-05	4.5e-07
South Carolina Call Area - Charleston	9.4e-05	5.1e-08	1.5e-05	1.4e-06
All	5.5e-03	2.5e-04	1.7e-03	4.3e-05

Predicted relative abundance of BRSP as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478		3.2e-06		
Rhode Island / Massachusetts OCS-A 0486		1.1e-05		
Rhode Island / Massachusetts OCS-A 0487		7.9e-06		
Massachusetts OCS-A 0500		2.2e-05		
Massachusetts OCS-A 0501		1.9e-05		
Massachusetts OCS-A 0502		2.9e-05		
Massachusetts OCS-A 0503		1.7e-05		
New York Proposed Commercial Lease - Unsolicited		5.2e-06		
New York OCS-A 0512		1.0e-05		
New Jersey OCS-A 0499		2.5e-05		
New Jersey OCS-A 0498		2.2e-05		
Delaware OCS-A 0482		1.3e-05		
Maryland OCS-A 0489		4.5e-06		
Maryland OCS-A 0490		6.5e-06		
Virginia OCS-A 0483		1.6e-05		
Virginia OCS-A 0497		3.8e-07		
North Carolina OCS-A 0508		1.9e-05		
North Carolina WEA - Wilmington West		6.3e-06		
North Carolina WEA - Wilmington East		1.7e-05		
South Carolina Call Area - Grand Strand		7.7e-05		
South Carolina Call Area - Cape Romain		1.9e-05		
South Carolina Call Area - Winyah		4.7e-06		
South Carolina Call Area - Charleston		4.4e-06		
All		3.6e-04		

Predicted relative abundance of BRTE as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478		9.7e-06	2.2e-05	
Rhode Island / Massachusetts OCS-A 0486		3.3e-05	7.2e-05	
Rhode Island / Massachusetts OCS-A 0487		2.3e-05	5.0e-05	
Massachusetts OCS-A 0500		6.3e-05	1.4e-04	
Massachusetts OCS-A 0501		5.6e-05	1.2e-04	
Massachusetts OCS-A 0502		8.4e-05	1.8e-04	
Massachusetts OCS-A 0503		4.8e-05	1.0e-04	
New York Proposed Commercial Lease - Unsolicited		1.4e-05	3.1e-05	
New York OCS-A 0512		2.6e-05	5.9e-05	
New Jersey OCS-A 0499		6.2e-05	1.4e-04	
New Jersey OCS-A 0498		5.4e-05	1.2e-04	
Delaware OCS-A 0482		3.3e-05	7.1e-05	
Maryland OCS-A 0489		1.1e-05	2.4e-05	
Maryland OCS-A 0490		1.6e-05	3.5e-05	
Virginia OCS-A 0483		4.3e-05	8.8e-05	
Virginia OCS-A 0497		1.1e-06	2.1e-06	
North Carolina OCS-A 0508		5.1e-05	4.6e-04	
North Carolina WEA - Wilmington West		2.6e-05	4.3e-05	
North Carolina WEA - Wilmington East		4.4e-04	1.4e-04	
South Carolina Call Area - Grand Strand		4.6e-04	7.5e-04	
South Carolina Call Area - Cape Romain		1.9e-04	1.2e-04	
South Carolina Call Area - Winyah		2.4e-04	1.2e-04	
South Carolina Call Area - Charleston		9.6e-05	5.3e-05	
All		2.1e-03	2.9e-03	

Predicted relative abundance of COEI as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.2e-04	2.0e-05	5.7e-04	7.6e-04
Rhode Island / Massachusetts OCS-A 0486	1.8e-04	5.1e-05	3.3e-04	5.1e-04
Rhode Island / Massachusetts OCS-A 0487	1.2e-04	3.4e-05	2.2e-04	3.3e-04
Massachusetts OCS-A 0500	3.5e-04	9.0e-05	6.0e-04	9.9e-04
Massachusetts OCS-A 0501	3.2e-04	7.7e-05	5.3e-04	9.5e-04
Massachusetts OCS-A 0502	4.8e-04	1.1e-04	7.9e-04	1.4e-03
Massachusetts OCS-A 0503	2.8e-04	6.0e-05	4.7e-04	8.1e-04
New York Proposed Commercial Lease - Unsolicited	7.7e-05	2.0e-05	1.3e-04	1.1e-04
New York OCS-A 0512	1.5e-04	3.9e-05	2.7e-04	1.6e-04
New Jersey OCS-A 0499	3.8e-04	7.8e-05	5.9e-04	2.5e-04
New Jersey OCS-A 0498	3.4e-04	6.8e-05	5.1e-04	1.9e-04
Delaware OCS-A 0482	2.1e-04	4.1e-05	3.1e-04	9.6e-05
Maryland OCS-A 0489	7.2e-05	1.4e-05	1.1e-04	3.1e-05
Maryland OCS-A 0490	1.0e-04	1.9e-05	1.5e-04	4.5e-05
Virginia OCS-A 0483	2.7e-04	3.9e-05	3.7e-04	7.4e-05
Virginia OCS-A 0497	6.7e-06	9.8e-07	9.6e-06	1.7e-06
North Carolina OCS-A 0508	3.3e-04	3.6e-05	3.9e-04	8.2e-05
North Carolina WEA - Wilmington West	1.2e-04	1.5e-05	1.5e-04	1.1e-05
North Carolina WEA - Wilmington East	3.4e-04	3.7e-05	3.9e-04	3.1e-05
South Carolina Call Area - Grand Strand	1.5e-03	1.9e-04	1.7e-03	1.2e-04
South Carolina Call Area - Cape Romain	3.5e-04	6.4e-05	4.7e-04	2.5e-05
South Carolina Call Area - Winyah	8.6e-05	1.1e-05	9.7e-05	7.1e-06
South Carolina Call Area - Charleston	8.3e-05	1.2e-05	9.6e-05	5.9e-06
All	6.3e-03	1.1e-03	9.3e-03	7.0e-03

Predicted relative abundance of COLO as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.0e-03	1.7e-03	1.9e-03	1.5e-03
Rhode Island / Massachusetts OCS-A 0486	1.8e-03	5.1e-04	7.3e-04	1.9e-03
Rhode Island / Massachusetts OCS-A 0487	6.4e-04	2.3e-04	2.7e-04	5.4e-04
Massachusetts OCS-A 0500	1.2e-03	5.6e-04	5.5e-04	1.2e-03
Massachusetts OCS-A 0501	7.1e-04	5.0e-04	4.7e-04	9.5e-04
Massachusetts OCS-A 0502	7.2e-04	7.2e-04	5.0e-04	9.7e-04
Massachusetts OCS-A 0503	3.7e-04	3.8e-04	2.4e-04	5.4e-04
New York Proposed Commercial Lease - Unsolicited	4.8e-04	1.1e-04	3.0e-04	3.2e-04
New York OCS-A 0512	1.8e-03	7.1e-04	8.8e-04	1.0e-03
New Jersey OCS-A 0499	1.1e-02	3.6e-03	3.5e-03	4.8e-03
New Jersey OCS-A 0498	1.1e-02	1.6e-03	3.5e-03	4.1e-03
Delaware OCS-A 0482	3.1e-03	7.3e-04	1.1e-03	1.7e-03
Maryland OCS-A 0489	1.0e-03	2.8e-04	4.5e-04	7.2e-04
Maryland OCS-A 0490	1.4e-03	2.1e-04	4.8e-04	8.2e-04
Virginia OCS-A 0483	4.7e-03	2.0e-04	4.4e-04	1.8e-03
Virginia OCS-A 0497	1.4e-04	8.8e-06	1.4e-05	6.5e-05
North Carolina OCS-A 0508	2.3e-03	1.9e-04	3.2e-04	7.0e-04
North Carolina WEA - Wilmington West	8.2e-04	1.1e-04	2.1e-04	5.7e-04
North Carolina WEA - Wilmington East	8.6e-04	2.0e-04	3.0e-04	6.3e-04
South Carolina Call Area - Grand Strand	8.5e-03	1.9e-03	2.8e-03	7.4e-03
South Carolina Call Area - Cape Romain	1.6e-03	1.1e-03	8.5e-04	1.8e-03
South Carolina Call Area - Winyah	9.4e-05	5.1e-05	7.2e-05	1.6e-04
South Carolina Call Area - Charleston	1.6e-04	5.5e-05	9.1e-05	2.0e-04
All	5.5e-02	1.6e-02	2.0e-02	3.4e-02

Predicted relative abundance of COMU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	5.2e-05			3.8e-06
Rhode Island / Massachusetts OCS-A 0486	3.2e-04			3.1e-04
Rhode Island / Massachusetts OCS-A 0487	2.4e-04			1.2e-04
Massachusetts OCS-A 0500	7.1e-04			3.9e-04
Massachusetts OCS-A 0501	6.0e-04			3.9e-04
Massachusetts OCS-A 0502	9.6e-04			6.3e-04
Massachusetts OCS-A 0503	6.4e-04			4.0e-04
New York Proposed Commercial Lease - Unsolicited	8.6e-05			8.7e-05
New York OCS-A 0512	1.5e-04			1.7e-02
New Jersey OCS-A 0499	2.3e-04			4.8e-05
New Jersey OCS-A 0498	1.4e-04			6.5e-05
Delaware OCS-A 0482	7.0e-05			4.8e-06
Maryland OCS-A 0489	2.3e-05			1.6e-06
Maryland OCS-A 0490	3.3e-05			2.2e-06
Virginia OCS-A 0483	6.5e-05			5.6e-06
Virginia OCS-A 0497	1.5e-06			1.3e-07
North Carolina OCS-A 0508	7.3e-05			5.7e-06
North Carolina WEA - Wilmington West	2.0e-05			2.4e-06
North Carolina WEA - Wilmington East	5.6e-05			5.9e-06
South Carolina Call Area - Grand Strand	2.3e-04			2.8e-05
South Carolina Call Area - Cape Romain	5.5e-05			7.4e-06
South Carolina Call Area - Winyah	1.8e-05			1.3e-06
South Carolina Call Area - Charleston	1.5e-05			1.4e-06
All	4.8e-03			2.0e-02

Predicted relative abundance of COSH as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	2.3e-05	8.7e-06	7.7e-06	
Rhode Island / Massachusetts OCS-A 0486	7.8e-05	9.5e-04	1.6e-04	
Rhode Island / Massachusetts OCS-A 0487	5.6e-05	1.0e-03	1.7e-04	
Massachusetts OCS-A 0500	1.6e-04	1.8e-03	5.1e-04	
Massachusetts OCS-A 0501	1.4e-04	1.5e-03	5.5e-04	
Massachusetts OCS-A 0502	2.2e-04	1.7e-03	8.4e-04	
Massachusetts OCS-A 0503	1.4e-04	1.1e-03	6.0e-04	
New York Proposed Commercial Lease - Unsolicited	3.2e-05	1.2e-04	2.9e-05	
New York OCS-A 0512	5.9e-05	1.7e-04	3.0e-05	
New Jersey OCS-A 0499	1.4e-04	2.3e-04	5.2e-05	
New Jersey OCS-A 0498	1.4e-04	1.8e-04	4.6e-05	
Delaware OCS-A 0482	8.0e-05	7.7e-05	2.6e-05	
Maryland OCS-A 0489	2.7e-05	2.6e-05	8.3e-06	
Maryland OCS-A 0490	4.0e-05	5.7e-05	1.4e-05	
Virginia OCS-A 0483	1.3e-04	1.3e-04	4.0e-05	
Virginia OCS-A 0497	2.7e-06	2.5e-06	7.9e-07	
North Carolina OCS-A 0508	5.0e-04	1.9e-04	1.2e-04	
North Carolina WEA - Wilmington West	5.0e-05	1.1e-04	2.0e-05	
North Carolina WEA - Wilmington East	2.3e-04	4.0e-04	2.5e-04	
South Carolina Call Area - Grand Strand	6.1e-04	9.5e-04	3.2e-04	
South Carolina Call Area - Cape Romain	1.6e-04	1.6e-04	8.4e-05	
South Carolina Call Area - Winyah	1.0e-04	9.4e-05	2.9e-04	
South Carolina Call Area - Charleston	5.1e-05	7.6e-05	2.2e-04	
All	3.2e-03	1.1e-02	4.4e-03	

Predicted relative abundance of COTE as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.1e-03	3.7e-04	1.7e-04	
Rhode Island / Massachusetts OCS-A 0486	3.9e-04	5.4e-04	2.8e-04	
Rhode Island / Massachusetts OCS-A 0487	2.4e-04	2.6e-04	1.9e-04	
Massachusetts OCS-A 0500	5.9e-04	6.8e-04	5.2e-04	
Massachusetts OCS-A 0501	5.1e-04	5.7e-04	4.7e-04	
Massachusetts OCS-A 0502	6.7e-04	6.2e-04	7.4e-04	
Massachusetts OCS-A 0503	3.4e-04	3.3e-04	4.1e-04	
New York Proposed Commercial Lease - Unsolicited	3.3e-04	1.9e-04	1.2e-04	
New York OCS-A 0512	1.6e-03	1.3e-03	2.4e-04	
New Jersey OCS-A 0499	7.0e-03	1.5e-02	6.1e-04	
New Jersey OCS-A 0498	5.4e-03	7.4e-03	5.3e-04	
Delaware OCS-A 0482	1.8e-03	1.8e-03	2.9e-04	
Maryland OCS-A 0489	4.7e-04	5.0e-04	1.0e-04	
Maryland OCS-A 0490	6.7e-04	4.0e-04	1.3e-04	
Virginia OCS-A 0483	9.7e-04	2.9e-04	3.1e-04	
Virginia OCS-A 0497	3.2e-05	1.4e-05	8.5e-06	
North Carolina OCS-A 0508	5.7e-04	2.7e-04	3.9e-04	
North Carolina WEA - Wilmington West	2.9e-04	1.7e-04	2.0e-04	
North Carolina WEA - Wilmington East	3.5e-04	2.9e-04	4.9e-04	
South Carolina Call Area - Grand Strand	4.1e-03	2.3e-03	2.7e-03	
South Carolina Call Area - Cape Romain	1.2e-03	6.5e-04	7.0e-04	
South Carolina Call Area - Winyah	7.4e-05	6.2e-05	1.3e-04	
South Carolina Call Area - Charleston	1.4e-04	7.3e-05	1.5e-04	
All	2.9e-02	3.4e-02	9.8e-03	

Predicted relative abundance of DCCO as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	2.4e-04	3.6e-04	1.7e-04	8.0e-05
Rhode Island / Massachusetts OCS-A 0486	4.4e-04	5.1e-04	3.5e-04	2.1e-04
Rhode Island / Massachusetts OCS-A 0487	2.8e-04	2.9e-04	2.2e-04	1.4e-04
Massachusetts OCS-A 0500	6.6e-04	8.0e-04	5.5e-04	3.9e-04
Massachusetts OCS-A 0501	5.2e-04	7.0e-04	4.7e-04	3.5e-04
Massachusetts OCS-A 0502	7.3e-04	9.7e-04	6.4e-04	5.1e-04
Massachusetts OCS-A 0503	4.6e-04	5.5e-04	3.4e-04	2.9e-04
New York Proposed Commercial Lease - Unsolicited	2.0e-04	1.7e-04	1.6e-04	1.1e-04
New York OCS-A 0512	5.9e-04	3.5e-04	3.7e-04	2.0e-04
New Jersey OCS-A 0499	1.2e-03	6.8e-04	6.5e-04	5.2e-04
New Jersey OCS-A 0498	7.8e-04	5.5e-04	5.1e-04	4.9e-04
Delaware OCS-A 0482	4.5e-04	3.1e-04	2.9e-04	2.5e-04
Maryland OCS-A 0489	1.5e-04	1.0e-04	9.7e-05	8.6e-05
Maryland OCS-A 0490	1.7e-04	1.4e-04	1.2e-04	1.2e-04
Virginia OCS-A 0483	2.4e-04	2.6e-04	2.2e-04	3.0e-04
Virginia OCS-A 0497	2.3e-05	6.9e-06	1.1e-05	7.6e-06
North Carolina OCS-A 0508	1.7e-04	2.5e-04	2.0e-04	3.5e-04
North Carolina WEA - Wilmington West	1.3e-04	1.1e-04	7.5e-05	1.2e-04
North Carolina WEA - Wilmington East	2.6e-04	2.6e-04	1.7e-04	3.2e-04
South Carolina Call Area - Grand Strand	2.4e-03	1.4e-03	9.9e-04	1.6e-03
South Carolina Call Area - Cape Romain	9.6e-04	4.3e-04	2.5e-04	4.1e-04
South Carolina Call Area - Winyah	5.8e-05	6.7e-05	5.8e-05	9.5e-05
South Carolina Call Area - Charleston	8.2e-05	7.3e-05	4.9e-05	8.8e-05
All	1.1e-02	9.3e-03	7.0e-03	7.0e-03

Predicted relative abundance of DOVE as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.1e-05	1.6e-05	5.8e-05	9.9e-06
Rhode Island / Massachusetts OCS-A 0486	4.8e-05	5.3e-05	1.8e-04	6.2e-05
Rhode Island / Massachusetts OCS-A 0487	3.9e-05	3.7e-05	1.2e-04	9.0e-05
Massachusetts OCS-A 0500	1.0e-04	1.1e-04	3.5e-04	2.1e-04
Massachusetts OCS-A 0501	8.8e-05	9.9e-05	3.2e-04	3.0e-04
Massachusetts OCS-A 0502	1.6e-04	2.3e-04	5.0e-04	4.6e-04
Massachusetts OCS-A 0503	1.2e-04	1.9e-04	2.9e-04	1.6e-04
New York Proposed Commercial Lease - Unsolicited	2.1e-05	2.2e-05	6.6e-05	4.6e-05
New York OCS-A 0512	3.8e-05	4.2e-05	1.4e-04	1.4e-04
New Jersey OCS-A 0499	6.0e-05	9.6e-05	3.4e-04	7.7e-05
New Jersey OCS-A 0498	4.3e-05	8.4e-05	3.0e-04	7.6e-05
Delaware OCS-A 0482	2.3e-05	5.0e-05	1.9e-04	5.4e-05
Maryland OCS-A 0489	7.6e-06	1.7e-05	6.3e-05	1.4e-05
Maryland OCS-A 0490	1.1e-05	2.5e-05	9.0e-05	3.4e-05
Virginia OCS-A 0483	2.5e-05	5.9e-05	2.2e-04	4.4e-05
Virginia OCS-A 0497	5.9e-07	1.4e-06	5.5e-06	8.6e-07
North Carolina OCS-A 0508	5.4e-05	6.4e-05	2.0e-04	1.2e-04
North Carolina WEA - Wilmington West	1.1e-05	2.7e-05	1.1e-04	1.8e-05
North Carolina WEA - Wilmington East	3.4e-05	6.9e-05	2.8e-04	5.6e-05
South Carolina Call Area - Grand Strand	1.3e-04	3.2e-04	1.3e-03	2.3e-04
South Carolina Call Area - Cape Romain	3.2e-05	8.2e-05	3.3e-04	6.1e-05
South Carolina Call Area - Winyah	1.4e-05	1.8e-05	6.2e-05	8.6e-06
South Carolina Call Area - Charleston	9.8e-06	1.8e-05	7.3e-05	1.2e-05
All	1.1e-03	1.7e-03	5.6e-03	2.3e-03

Predicted relative abundance of GBBG as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	3.1e-04	2.4e-04	3.3e-04	1.2e-04
Rhode Island / Massachusetts OCS-A 0486	1.0e-03	7.4e-04	6.4e-04	4.1e-04
Rhode Island / Massachusetts OCS-A 0487	6.8e-04	3.8e-04	3.6e-04	2.7e-04
Massachusetts OCS-A 0500	1.9e-03	8.8e-04	8.7e-04	6.8e-04
Massachusetts OCS-A 0501	1.7e-03	8.9e-04	7.7e-04	6.0e-04
Massachusetts OCS-A 0502	2.3e-03	8.5e-04	1.1e-03	8.6e-04
Massachusetts OCS-A 0503	1.1e-03	3.6e-04	6.3e-04	4.6e-04
New York Proposed Commercial Lease - Unsolicited	4.9e-04	1.1e-04	1.6e-04	1.8e-04
New York OCS-A 0512	8.6e-04	2.0e-04	3.0e-04	3.3e-04
New Jersey OCS-A 0499	1.5e-03	5.2e-04	6.4e-04	6.0e-04
New Jersey OCS-A 0498	1.1e-03	1.7e-04	5.5e-04	5.3e-04
Delaware OCS-A 0482	2.3e-04	5.4e-05	2.6e-04	2.6e-04
Maryland OCS-A 0489	6.5e-05	1.7e-05	9.4e-05	7.8e-05
Maryland OCS-A 0490	6.6e-05	1.5e-05	1.0e-04	1.2e-04
Virginia OCS-A 0483	8.8e-05	1.9e-05	1.5e-04	3.1e-04
Virginia OCS-A 0497	3.3e-06	6.4e-07	5.1e-06	8.2e-06
North Carolina OCS-A 0508	5.7e-05	1.7e-05	1.3e-04	3.0e-04
North Carolina WEA - Wilmington West	2.6e-05	7.7e-06	3.3e-05	6.2e-05
North Carolina WEA - Wilmington East	2.5e-05	1.6e-05	6.9e-05	1.7e-04
South Carolina Call Area - Grand Strand	2.3e-04	1.0e-04	3.6e-04	7.3e-04
South Carolina Call Area - Cape Romain	4.5e-05	3.1e-05	8.5e-05	1.8e-04
South Carolina Call Area - Winyah	3.9e-06	3.8e-06	1.0e-05	4.0e-05
South Carolina Call Area - Charleston	4.3e-06	4.3e-06	1.4e-05	4.0e-05
All	1.4e-02	5.6e-03	7.7e-03	7.3e-03

Predicted relative abundance of GRSH as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.4e-05	1.7e-05	6.4e-06	1.7e-05
Rhode Island / Massachusetts OCS-A 0486	4.7e-05	2.5e-04	1.1e-04	4.8e-05
Rhode Island / Massachusetts OCS-A 0487	3.8e-05	2.2e-04	1.6e-04	3.3e-05
Massachusetts OCS-A 0500	1.2e-04	5.2e-04	5.2e-04	9.3e-05
Massachusetts OCS-A 0501	1.1e-04	4.4e-04	5.2e-04	8.6e-05
Massachusetts OCS-A 0502	2.2e-04	6.4e-04	1.1e-03	1.3e-04
Massachusetts OCS-A 0503	1.7e-04	4.0e-04	9.2e-04	7.8e-05
New York Proposed Commercial Lease - Unsolicited	1.1e-05	1.0e-04	3.1e-05	1.9e-05
New York OCS-A 0512	1.7e-05	9.9e-05	2.1e-05	3.6e-05
New Jersey OCS-A 0499	4.6e-05	1.1e-04	2.2e-05	9.1e-05
New Jersey OCS-A 0498	3.5e-05	1.0e-04	2.0e-05	8.1e-05
Delaware OCS-A 0482	2.1e-05	6.6e-05	1.3e-05	5.0e-05
Maryland OCS-A 0489	7.2e-06	2.0e-05	4.4e-06	1.8e-05
Maryland OCS-A 0490	1.0e-05	3.4e-05	7.3e-06	2.6e-05
Virginia OCS-A 0483	2.4e-05	7.4e-05	2.0e-05	7.2e-05
Virginia OCS-A 0497	5.9e-07	1.7e-06	3.9e-07	1.7e-06
North Carolina OCS-A 0508	2.4e-05	1.0e-04	2.2e-05	8.3e-05
North Carolina WEA - Wilmington West	1.5e-05	2.9e-05	6.3e-06	3.1e-05
North Carolina WEA - Wilmington East	4.4e-05	8.9e-05	2.1e-05	8.1e-05
South Carolina Call Area - Grand Strand	1.8e-04	3.5e-04	8.0e-05	3.7e-04
South Carolina Call Area - Cape Romain	4.2e-05	9.1e-05	1.9e-05	9.1e-05
South Carolina Call Area - Winyah	2.1e-05	3.3e-05	3.4e-06	2.5e-05
South Carolina Call Area - Charleston	9.7e-06	2.4e-05	5.5e-06	2.0e-05
All	1.2e-03	3.8e-03	3.7e-03	1.6e-03

Predicted relative abundance of GRSK as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478			1.7e-05	
Rhode Island / Massachusetts OCS-A 0486			5.2e-05	
Rhode Island / Massachusetts OCS-A 0487			3.9e-05	
Massachusetts OCS-A 0500			1.2e-04	
Massachusetts OCS-A 0501			1.0e-04	
Massachusetts OCS-A 0502			1.8e-04	
Massachusetts OCS-A 0503			1.3e-04	
New York Proposed Commercial Lease - Unsolicited			1.6e-05	
New York OCS-A 0512			3.0e-05	
New Jersey OCS-A 0499			6.4e-05	
New Jersey OCS-A 0498			5.6e-05	
Delaware OCS-A 0482			3.3e-05	
Maryland OCS-A 0489			1.1e-05	
Maryland OCS-A 0490			1.6e-05	
Virginia OCS-A 0483			4.0e-05	
Virginia OCS-A 0497			9.5e-07	
North Carolina OCS-A 0508			4.8e-05	
North Carolina WEA - Wilmington West			1.5e-05	
North Carolina WEA - Wilmington East			4.2e-05	
South Carolina Call Area - Grand Strand			1.8e-04	
South Carolina Call Area - Cape Romain			4.4e-05	
South Carolina Call Area - Winyah			1.6e-05	
South Carolina Call Area - Charleston			1.1e-05	
All			1.3e-03	

Predicted relative abundance of HERG as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.5e-04	1.4e-04	3.0e-04	1.6e-04
Rhode Island / Massachusetts OCS-A 0486	7.3e-04	2.4e-03	8.7e-04	4.0e-04
Rhode Island / Massachusetts OCS-A 0487	5.0e-04	1.7e-03	5.8e-04	2.4e-04
Massachusetts OCS-A 0500	1.2e-03	3.0e-03	1.3e-03	5.6e-04
Massachusetts OCS-A 0501	9.8e-04	2.2e-03	1.1e-03	5.1e-04
Massachusetts OCS-A 0502	1.3e-03	1.6e-03	1.5e-03	7.7e-04
Massachusetts OCS-A 0503	6.8e-04	6.1e-04	8.3e-04	3.9e-04
New York Proposed Commercial Lease - Unsolicited	5.1e-04	2.8e-04	3.0e-04	1.9e-04
New York OCS-A 0512	1.0e-03	5.6e-04	5.1e-04	4.6e-04
New Jersey OCS-A 0499	1.7e-03	3.9e-04	8.3e-04	6.3e-04
New Jersey OCS-A 0498	1.1e-03	2.0e-04	6.1e-04	4.9e-04
Delaware OCS-A 0482	4.6e-04	7.6e-05	3.1e-04	1.2e-04
Maryland OCS-A 0489	1.4e-04	2.9e-05	1.1e-04	3.8e-05
Maryland OCS-A 0490	1.9e-04	2.8e-05	1.4e-04	5.5e-05
Virginia OCS-A 0483	2.8e-04	2.7e-05	1.8e-04	1.2e-04
Virginia OCS-A 0497	7.1e-06	1.3e-06	5.2e-06	3.5e-06
North Carolina OCS-A 0508	2.7e-04	2.0e-05	2.0e-04	2.4e-04
North Carolina WEA - Wilmington West	2.1e-04	1.8e-05	5.5e-05	4.8e-05
North Carolina WEA - Wilmington East	1.7e-04	2.5e-05	1.1e-04	1.3e-04
South Carolina Call Area - Grand Strand	1.5e-03	2.8e-04	6.2e-04	5.1e-04
South Carolina Call Area - Cape Romain	1.8e-04	1.4e-04	1.6e-04	1.3e-04
South Carolina Call Area - Winyah	2.2e-05	5.3e-06	1.4e-05	1.1e-04
South Carolina Call Area - Charleston	2.5e-05	6.8e-06	2.3e-05	2.8e-05
All	1.3e-02	1.4e-02	1.1e-02	6.4e-03

Predicted relative abundance of HOGR as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478				4.0e-04
Rhode Island / Massachusetts OCS-A 0486				1.5e-04
Rhode Island / Massachusetts OCS-A 0487				1.1e-04
Massachusetts OCS-A 0500				3.0e-04
Massachusetts OCS-A 0501				2.6e-04
Massachusetts OCS-A 0502				4.1e-04
Massachusetts OCS-A 0503				2.4e-04
New York Proposed Commercial Lease - Unsolicited				6.9e-05
New York OCS-A 0512				1.3e-04
New Jersey OCS-A 0499				3.6e-04
New Jersey OCS-A 0498				3.3e-04
Delaware OCS-A 0482				2.1e-04
Maryland OCS-A 0489				7.2e-05
Maryland OCS-A 0490				1.0e-04
Virginia OCS-A 0483				3.0e-04
Virginia OCS-A 0497				8.4e-06
North Carolina OCS-A 0508				3.6e-04
North Carolina WEA - Wilmington West				2.3e-04
North Carolina WEA - Wilmington East				5.3e-04
South Carolina Call Area - Grand Strand				2.9e-03
South Carolina Call Area - Cape Romain				6.0e-04
South Carolina Call Area - Winyah				1.2e-04
South Carolina Call Area - Charleston				1.1e-04
All				8.3e-03

Predicted relative abundance of LAGU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	2.1e-05	3.3e-05	8.0e-05	1.6e-05
Rhode Island / Massachusetts OCS-A 0486	4.7e-05	9.9e-05	3.7e-04	3.0e-05
Rhode Island / Massachusetts OCS-A 0487	2.9e-05	5.6e-05	1.5e-04	1.9e-05
Massachusetts OCS-A 0500	7.1e-05	1.4e-04	3.0e-04	5.0e-05
Massachusetts OCS-A 0501	5.8e-05	1.1e-04	2.2e-04	4.4e-05
Massachusetts OCS-A 0502	7.9e-05	1.3e-04	2.2e-04	6.2e-05
Massachusetts OCS-A 0503	4.6e-05	6.0e-05	8.7e-05	3.4e-05
New York Proposed Commercial Lease - Unsolicited	6.9e-05	5.9e-05	9.9e-05	1.5e-05
New York OCS-A 0512	3.2e-04	1.3e-03	3.2e-04	3.6e-05
New Jersey OCS-A 0499	3.6e-03	1.9e-02	2.3e-03	1.2e-04
New Jersey OCS-A 0498	3.3e-03	1.1e-02	2.3e-03	1.2e-04
Delaware OCS-A 0482	1.1e-03	2.6e-03	9.6e-04	7.5e-05
Maryland OCS-A 0489	3.0e-04	6.2e-04	5.0e-04	2.8e-05
Maryland OCS-A 0490	3.7e-04	3.9e-04	4.4e-04	3.4e-05
Virginia OCS-A 0483	9.0e-04	1.9e-04	5.5e-04	1.0e-04
Virginia OCS-A 0497	4.9e-05	3.1e-05	4.9e-05	5.4e-06
North Carolina OCS-A 0508	6.7e-04	1.1e-04	2.6e-04	8.1e-05
North Carolina WEA - Wilmington West	3.5e-04	4.8e-04	4.7e-04	7.7e-05
North Carolina WEA - Wilmington East	1.9e-04	3.6e-04	6.1e-04	1.5e-04
South Carolina Call Area - Grand Strand	7.6e-03	6.8e-03	5.0e-03	9.7e-04
South Carolina Call Area - Cape Romain	3.2e-03	3.1e-03	2.3e-03	2.6e-04
South Carolina Call Area - Winyah	4.7e-05	3.6e-05	4.9e-05	2.4e-05
South Carolina Call Area - Charleston	8.5e-05	8.2e-05	1.4e-04	4.1e-05
All	2.3e-02	4.6e-02	1.8e-02	2.4e-03

Predicted relative abundance of LESP as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.2e-05	2.7e-06	3.2e-06	
Rhode Island / Massachusetts OCS-A 0486	4.2e-05	1.0e-05	1.7e-05	
Rhode Island / Massachusetts OCS-A 0487	3.5e-05	7.8e-06	2.0e-05	
Massachusetts OCS-A 0500	9.2e-05	2.3e-05	5.1e-05	
Massachusetts OCS-A 0501	7.7e-05	2.2e-05	4.5e-05	
Massachusetts OCS-A 0502	1.3e-04	3.4e-05	6.8e-05	
Massachusetts OCS-A 0503	8.8e-05	2.5e-05	4.2e-05	
New York Proposed Commercial Lease - Unsolicited	1.5e-05	4.6e-06	7.8e-06	
New York OCS-A 0512	2.6e-05	7.4e-06	1.5e-05	
New Jersey OCS-A 0499	5.4e-05	1.4e-05	1.4e-05	
New Jersey OCS-A 0498	4.3e-05	1.2e-05	1.2e-05	
Delaware OCS-A 0482	2.4e-05	7.1e-06	6.9e-06	
Maryland OCS-A 0489	8.0e-06	2.4e-06	2.3e-06	
Maryland OCS-A 0490	1.2e-05	3.6e-06	3.4e-06	
Virginia OCS-A 0483	2.5e-05	8.7e-06	8.2e-06	
Virginia OCS-A 0497	5.9e-07	1.9e-07	2.0e-07	
North Carolina OCS-A 0508	4.2e-05	1.0e-05	9.6e-06	
North Carolina WEA - Wilmington West	7.6e-06	2.6e-06	3.5e-06	
North Carolina WEA - Wilmington East	2.1e-05	7.3e-06	9.3e-06	
South Carolina Call Area - Grand Strand	9.0e-05	3.2e-05	4.2e-05	
South Carolina Call Area - Cape Romain	2.1e-05	7.4e-06	1.1e-05	
South Carolina Call Area - Winyah	8.8e-06	2.3e-06	2.7e-06	
South Carolina Call Area - Charleston	5.2e-06	1.9e-06	2.5e-06	
All	8.8e-04	2.5e-04	4.0e-04	

Predicted relative abundance of LETE as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478		1.8e-04	2.5e-07	
Rhode Island / Massachusetts OCS-A 0486		1.9e-04	4.5e-07	
Rhode Island / Massachusetts OCS-A 0487		1.3e-04	3.0e-07	
Massachusetts OCS-A 0500		3.5e-04	8.1e-07	
Massachusetts OCS-A 0501		3.1e-04	7.0e-07	
Massachusetts OCS-A 0502		4.4e-04	9.8e-07	
Massachusetts OCS-A 0503		2.4e-04	5.3e-07	
New York Proposed Commercial Lease - Unsolicited		8.3e-05	1.9e-07	
New York OCS-A 0512		1.7e-04	3.8e-07	
New Jersey OCS-A 0499		4.0e-04	8.5e-07	
New Jersey OCS-A 0498		3.2e-04	7.5e-07	
Delaware OCS-A 0482		1.9e-04	4.6e-07	
Maryland OCS-A 0489		6.4e-05	1.6e-07	
Maryland OCS-A 0490		8.8e-05	2.2e-07	
Virginia OCS-A 0483		2.0e-04	5.6e-07	
Virginia OCS-A 0497		5.9e-06	1.6e-08	
North Carolina OCS-A 0508		2.0e-04	5.6e-07	
North Carolina WEA - Wilmington West		2.3e-04	1.6e-06	
North Carolina WEA - Wilmington East		5.3e-04	4.8e-06	
South Carolina Call Area - Grand Strand		3.6e-03	1.2e-03	
South Carolina Call Area - Cape Romain		1.3e-03	8.9e-04	
South Carolina Call Area - Winyah		1.2e-04	2.7e-05	
South Carolina Call Area - Charleston		2.1e-04	1.8e-04	
All		9.6e-03	2.3e-03	

Predicted relative abundance of LTDU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	9.2e-03		8.6e-04	5.5e-03
Rhode Island / Massachusetts OCS-A 0486	1.1e-04		2.7e-04	2.8e-04
Rhode Island / Massachusetts OCS-A 0487	7.4e-05		1.7e-04	1.3e-04
Massachusetts OCS-A 0500	2.2e-04		4.1e-04	4.5e-04
Massachusetts OCS-A 0501	2.2e-04		3.6e-04	5.8e-04
Massachusetts OCS-A 0502	3.9e-04		4.8e-04	9.1e-04
Massachusetts OCS-A 0503	4.7e-03		2.6e-04	1.5e-03
New York Proposed Commercial Lease - Unsolicited	4.1e-05		1.0e-04	7.0e-05
New York OCS-A 0512	1.1e-04		2.0e-04	2.8e-04
New Jersey OCS-A 0499	1.8e-04		4.4e-04	4.8e-04
New Jersey OCS-A 0498	1.3e-04		3.8e-04	3.2e-04
Delaware OCS-A 0482	7.7e-05		2.4e-04	1.7e-04
Maryland OCS-A 0489	2.3e-05		8.3e-05	4.9e-05
Maryland OCS-A 0490	3.3e-05		1.1e-04	6.2e-05
Virginia OCS-A 0483	8.0e-05		2.5e-04	1.3e-04
Virginia OCS-A 0497	3.1e-06		6.4e-06	3.3e-06
North Carolina OCS-A 0508	8.0e-05		2.6e-04	1.4e-04
North Carolina WEA - Wilmington West	3.1e-05		1.3e-04	4.2e-05
North Carolina WEA - Wilmington East	8.0e-05		3.0e-04	1.3e-04
South Carolina Call Area - Grand Strand	4.6e-04		1.6e-03	5.0e-04
South Carolina Call Area - Cape Romain	1.1e-04		4.1e-04	1.1e-04
South Carolina Call Area - Winyah	2.0e-05		7.5e-05	3.0e-05
South Carolina Call Area - Charleston	2.0e-05		8.4e-05	2.8e-05
All	1.6e-02		7.4e-03	1.2e-02

Predicted relative abundance of MASH as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.1e-06	5.9e-05	1.5e-05	
Rhode Island / Massachusetts OCS-A 0486	4.3e-06	3.2e-04	6.3e-05	
Rhode Island / Massachusetts OCS-A 0487	3.2e-06	3.0e-04	6.0e-05	
Massachusetts OCS-A 0500	9.2e-06	7.8e-04	1.5e-04	
Massachusetts OCS-A 0501	8.3e-06	6.9e-04	1.2e-04	
Massachusetts OCS-A 0502	1.4e-05	1.1e-03	2.0e-04	
Massachusetts OCS-A 0503	9.5e-06	6.4e-04	1.3e-04	
New York Proposed Commercial Lease - Unsolicited	2.0e-06	1.2e-04	6.9e-05	
New York OCS-A 0512	3.4e-06	1.6e-04	9.5e-05	
New Jersey OCS-A 0499	8.3e-06	2.6e-04	9.2e-05	
New Jersey OCS-A 0498	9.0e-06	2.3e-04	7.8e-05	
Delaware OCS-A 0482	5.4e-06	1.3e-04	4.8e-05	
Maryland OCS-A 0489	1.6e-06	4.3e-05	1.4e-05	
Maryland OCS-A 0490	2.5e-06	6.6e-05	2.4e-05	
Virginia OCS-A 0483	9.9e-06	1.4e-04	6.2e-05	
Virginia OCS-A 0497	2.0e-07	3.3e-06	1.1e-06	
North Carolina OCS-A 0508	3.7e-05	1.6e-04	9.9e-05	
North Carolina WEA - Wilmington West	2.1e-06	5.1e-05	1.3e-05	
North Carolina WEA - Wilmington East	7.4e-06	1.4e-04	4.1e-05	
South Carolina Call Area - Grand Strand	2.3e-05	6.2e-04	1.8e-04	
South Carolina Call Area - Cape Romain	5.4e-06	1.8e-04	4.2e-05	
South Carolina Call Area - Winyah	2.2e-06	3.9e-05	3.4e-05	
South Carolina Call Area - Charleston	1.6e-06	3.6e-05	1.2e-05	
All	1.7e-04	6.3e-03	1.6e-03	

Predicted relative abundance of NOFU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	7.6e-06	5.2e-05	7.3e-11	4.8e-07
Rhode Island / Massachusetts OCS-A 0486	5.3e-05	9.9e-05	2.9e-07	7.2e-06
Rhode Island / Massachusetts OCS-A 0487	8.1e-05	6.6e-05	9.1e-06	2.0e-05
Massachusetts OCS-A 0500	2.7e-04	2.0e-04	1.5e-04	3.2e-04
Massachusetts OCS-A 0501	2.0e-04	2.4e-04	1.4e-04	4.8e-04
Massachusetts OCS-A 0502	4.2e-04	3.4e-04	2.4e-04	6.2e-04
Massachusetts OCS-A 0503	2.4e-04	2.4e-04	2.6e-04	3.7e-04
New York Proposed Commercial Lease - Unsolicited	1.5e-05	2.1e-05	1.6e-08	3.1e-06
New York OCS-A 0512	1.9e-05	4.1e-05	3.5e-09	6.6e-06
New Jersey OCS-A 0499	2.9e-05	9.6e-05	5.8e-10	3.1e-06
New Jersey OCS-A 0498	2.4e-05	9.5e-05	4.2e-10	2.6e-06
Delaware OCS-A 0482	1.3e-05	6.9e-05	2.4e-10	1.5e-06
Maryland OCS-A 0489	4.4e-06	2.5e-05	8.1e-11	5.4e-07
Maryland OCS-A 0490	6.5e-06	3.3e-05	1.3e-10	9.4e-07
Virginia OCS-A 0483	1.5e-05	8.6e-05	3.0e-10	2.0e-06
Virginia OCS-A 0497	3.5e-07	2.1e-06	6.6e-12	4.8e-08
North Carolina OCS-A 0508	2.2e-05	5.4e-05	6.2e-10	5.3e-06
North Carolina WEA - Wilmington West	3.6e-06	4.9e-05	1.1e-10	7.5e-07
North Carolina WEA - Wilmington East	1.2e-05	1.1e-04	3.2e-10	2.6e-06
South Carolina Call Area - Grand Strand	4.1e-05	6.1e-04	1.4e-09	9.7e-06
South Carolina Call Area - Cape Romain	9.2e-06	1.6e-04	3.7e-10	2.3e-06
South Carolina Call Area - Winyah	3.4e-06	1.9e-05	1.2e-10	8.1e-07
South Carolina Call Area - Charleston	2.8e-06	3.0e-05	9.0e-11	6.9e-07
All	1.5e-03	2.7e-03	8.0e-04	1.9e-03

Predicted relative abundance of NOGA as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	2.5e-04	4.2e-05	1.3e-04	2.3e-05
Rhode Island / Massachusetts OCS-A 0486	7.8e-04	1.4e-04	1.0e-03	6.5e-04
Rhode Island / Massachusetts OCS-A 0487	5.3e-04	7.7e-05	8.0e-04	4.3e-04
Massachusetts OCS-A 0500	1.5e-03	2.0e-04	2.0e-03	9.6e-04
Massachusetts OCS-A 0501	1.3e-03	1.7e-04	1.9e-03	8.3e-04
Massachusetts OCS-A 0502	2.0e-03	2.2e-04	2.9e-03	1.1e-03
Massachusetts OCS-A 0503	1.1e-03	1.2e-04	1.7e-03	6.8e-04
New York Proposed Commercial Lease - Unsolicited	3.5e-04	5.5e-05	2.9e-04	3.6e-04
New York OCS-A 0512	7.3e-04	3.5e-04	4.7e-04	9.4e-04
New Jersey OCS-A 0499	2.2e-03	1.9e-03	1.2e-03	1.9e-03
New Jersey OCS-A 0498	1.9e-03	6.6e-04	1.5e-03	1.7e-03
Delaware OCS-A 0482	6.9e-04	2.1e-04	3.5e-04	9.7e-04
Maryland OCS-A 0489	2.3e-04	5.1e-05	1.0e-04	4.6e-04
Maryland OCS-A 0490	3.0e-04	5.1e-05	9.1e-05	7.6e-04
Virginia OCS-A 0483	1.6e-03	5.8e-05	6.7e-05	3.1e-03
Virginia OCS-A 0497	6.2e-05	2.3e-06	3.9e-06	1.9e-04
North Carolina OCS-A 0508	1.2e-03	4.7e-05	6.7e-05	1.2e-03
North Carolina WEA - Wilmington West	6.0e-04	4.4e-05	2.1e-05	8.7e-04
North Carolina WEA - Wilmington East	3.3e-04	7.1e-05	4.0e-05	2.0e-03
South Carolina Call Area - Grand Strand	5.9e-03	1.2e-03	2.2e-04	6.3e-03
South Carolina Call Area - Cape Romain	2.0e-03	1.6e-03	6.3e-05	2.1e-03
South Carolina Call Area - Winyah	1.6e-05	2.1e-05	7.9e-06	2.2e-05
South Carolina Call Area - Charleston	1.3e-05	2.9e-05	9.1e-06	1.4e-04
All	2.6e-02	7.3e-03	1.5e-02	2.8e-02

Predicted relative abundance of PAJA as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	5.6e-05	7.7e-05	7.0e-05	
Rhode Island / Massachusetts OCS-A 0486	1.8e-04	3.2e-04	2.3e-04	
Rhode Island / Massachusetts OCS-A 0487	1.3e-04	2.3e-04	1.6e-04	
Massachusetts OCS-A 0500	3.4e-04	6.7e-04	4.4e-04	
Massachusetts OCS-A 0501	3.0e-04	6.4e-04	3.8e-04	
Massachusetts OCS-A 0502	4.6e-04	9.9e-04	5.8e-04	
Massachusetts OCS-A 0503	2.6e-04	6.5e-04	3.4e-04	
New York Proposed Commercial Lease - Unsolicited	8.8e-05	1.1e-04	1.1e-04	
New York OCS-A 0512	1.8e-04	1.9e-04	2.1e-04	
New Jersey OCS-A 0499	4.7e-04	3.5e-04	4.6e-04	
New Jersey OCS-A 0498	4.2e-04	2.9e-04	4.0e-04	
Delaware OCS-A 0482	2.7e-04	1.7e-04	2.1e-04	
Maryland OCS-A 0489	9.1e-05	5.6e-05	7.3e-05	
Maryland OCS-A 0490	1.3e-04	8.1e-05	1.0e-04	
Virginia OCS-A 0483	3.1e-04	1.8e-04	2.1e-04	
Virginia OCS-A 0497	7.9e-06	4.5e-06	5.2e-06	
North Carolina OCS-A 0508	3.6e-04	2.0e-04	2.2e-04	
North Carolina WEA - Wilmington West	1.4e-04	7.2e-05	7.2e-05	
North Carolina WEA - Wilmington East	3.6e-04	1.9e-04	1.9e-04	
South Carolina Call Area - Grand Strand	1.8e-03	8.6e-04	8.8e-04	
South Carolina Call Area - Cape Romain	5.0e-04	2.1e-04	2.1e-04	
South Carolina Call Area - Winyah	1.1e-04	4.8e-05	5.1e-05	
South Carolina Call Area - Charleston	1.0e-04	4.7e-05	4.7e-05	
All	7.1e-03	6.6e-03	5.7e-03	

Predicted relative abundance of POJA as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	8.9e-06	4.0e-05	1.3e-05	
Rhode Island / Massachusetts OCS-A 0486	3.1e-05	1.8e-04	1.1e-04	
Rhode Island / Massachusetts OCS-A 0487	2.3e-05	1.4e-04	1.0e-04	
Massachusetts OCS-A 0500	6.5e-05	4.1e-04	2.9e-04	
Massachusetts OCS-A 0501	5.6e-05	3.7e-04	2.8e-04	
Massachusetts OCS-A 0502	8.9e-05	5.8e-04	4.8e-04	
Massachusetts OCS-A 0503	5.5e-05	3.6e-04	3.9e-04	
New York Proposed Commercial Lease - Unsolicited	1.4e-05	6.3e-05	3.1e-05	
New York OCS-A 0512	2.6e-05	9.8e-05	4.8e-05	
New Jersey OCS-A 0499	5.9e-05	1.9e-04	6.8e-05	
New Jersey OCS-A 0498	5.2e-05	1.6e-04	5.8e-05	
Delaware OCS-A 0482	3.2e-05	9.7e-05	3.4e-05	
Maryland OCS-A 0489	1.1e-05	3.2e-05	1.1e-05	
Maryland OCS-A 0490	1.6e-05	4.7e-05	1.6e-05	
Virginia OCS-A 0483	4.2e-05	1.2e-04	3.9e-05	
Virginia OCS-A 0497	1.0e-06	2.8e-06	8.8e-07	
North Carolina OCS-A 0508	5.8e-05	1.4e-04	4.9e-05	
North Carolina WEA - Wilmington West	2.0e-05	5.6e-05	1.5e-05	
North Carolina WEA - Wilmington East	7.6e-05	1.7e-04	4.4e-05	
South Carolina Call Area - Grand Strand	2.5e-04	6.8e-04	1.9e-04	
South Carolina Call Area - Cape Romain	6.3e-05	1.7e-04	4.8e-05	
South Carolina Call Area - Winyah	3.1e-05	4.9e-05	3.4e-05	
South Carolina Call Area - Charleston	2.1e-05	4.3e-05	1.4e-05	
All	1.1e-03	4.2e-03	2.4e-03	

Predicted relative abundance of RAZO as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.4e-03	4.5e-05	3.5e-04	1.6e-03
Rhode Island / Massachusetts OCS-A 0486	1.4e-03	1.4e-04	2.6e-04	7.0e-04
Rhode Island / Massachusetts OCS-A 0487	1.6e-03	9.1e-05	1.7e-04	4.1e-04
Massachusetts OCS-A 0500	8.3e-03	2.4e-04	4.4e-04	3.2e-03
Massachusetts OCS-A 0501	1.0e-02	2.1e-04	3.9e-04	5.2e-03
Massachusetts OCS-A 0502	1.8e-02	3.0e-04	5.3e-04	5.3e-03
Massachusetts OCS-A 0503	9.8e-03	1.6e-04	2.9e-04	3.4e-03
New York Proposed Commercial Lease - Unsolicited	2.3e-04	5.4e-05	9.2e-05	1.0e-04
New York OCS-A 0512	4.5e-04	1.1e-04	1.8e-04	2.5e-04
New Jersey OCS-A 0499	1.5e-03	2.2e-04	3.8e-04	8.2e-04
New Jersey OCS-A 0498	8.3e-04	1.9e-04	3.4e-04	6.5e-04
Delaware OCS-A 0482	2.1e-04	1.1e-04	2.0e-04	2.5e-04
Maryland OCS-A 0489	5.8e-05	3.7e-05	6.9e-05	8.8e-05
Maryland OCS-A 0490	8.7e-05	5.2e-05	9.9e-05	1.3e-04
Virginia OCS-A 0483	1.8e-04	1.1e-04	2.4e-04	2.9e-04
Virginia OCS-A 0497	4.3e-06	2.9e-06	5.8e-06	7.9e-06
North Carolina OCS-A 0508	1.9e-04	1.1e-04	2.5e-04	2.7e-04
North Carolina WEA - Wilmington West	8.6e-05	5.7e-05	1.2e-04	3.8e-05
North Carolina WEA - Wilmington East	1.6e-04	1.4e-04	2.8e-04	1.3e-04
South Carolina Call Area - Grand Strand	9.5e-04	7.3e-04	1.4e-03	4.9e-04
South Carolina Call Area - Cape Romain	2.1e-04	1.9e-04	3.8e-04	1.0e-04
South Carolina Call Area - Winyah	4.2e-05	3.8e-05	7.3e-05	3.3e-05
South Carolina Call Area - Charleston	4.0e-05	4.3e-05	7.9e-05	3.1e-05
All	5.6e-02	3.4e-03	6.6e-03	2.4e-02

Predicted relative abundance of RBGU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	7.5e-05	2.1e-04	1.7e-04	8.8e-05
Rhode Island / Massachusetts OCS-A 0486	2.7e-04	2.8e-04	5.4e-04	2.6e-04
Rhode Island / Massachusetts OCS-A 0487	1.7e-04	1.9e-04	3.3e-04	1.7e-04
Massachusetts OCS-A 0500	4.1e-04	5.3e-04	7.6e-04	4.6e-04
Massachusetts OCS-A 0501	3.2e-04	4.6e-04	6.1e-04	4.1e-04
Massachusetts OCS-A 0502	4.1e-04	6.8e-04	8.5e-04	6.0e-04
Massachusetts OCS-A 0503	2.1e-04	3.8e-04	4.3e-04	3.4e-04
New York Proposed Commercial Lease - Unsolicited	1.7e-04	1.3e-04	3.5e-04	1.2e-04
New York OCS-A 0512	4.3e-04	2.8e-04	8.5e-04	2.8e-04
New Jersey OCS-A 0499	8.4e-04	7.4e-04	1.6e-03	6.8e-04
New Jersey OCS-A 0498	6.5e-04	5.9e-04	1.2e-03	5.9e-04
Delaware OCS-A 0482	3.7e-04	3.5e-04	6.8e-04	3.5e-04
Maryland OCS-A 0489	1.2e-04	1.3e-04	2.3e-04	1.2e-04
Maryland OCS-A 0490	1.5e-04	1.6e-04	2.7e-04	1.6e-04
Virginia OCS-A 0483	2.5e-04	3.4e-04	4.3e-04	3.7e-04
Virginia OCS-A 0497	1.1e-05	9.6e-06	1.3e-05	1.2e-05
North Carolina OCS-A 0508	1.9e-04	3.5e-04	3.9e-04	3.2e-04
North Carolina WEA - Wilmington West	3.1e-04	1.5e-04	1.8e-04	3.3e-04
North Carolina WEA - Wilmington East	4.0e-04	3.6e-04	2.9e-04	5.3e-04
South Carolina Call Area - Grand Strand	6.6e-03	1.9e-03	2.3e-03	4.4e-03
South Carolina Call Area - Cape Romain	6.3e-03	5.5e-04	5.6e-04	1.2e-03
South Carolina Call Area - Winyah	9.2e-05	9.4e-05	7.0e-05	1.2e-04
South Carolina Call Area - Charleston	1.4e-04	9.5e-05	8.0e-05	1.3e-04
All	1.9e-02	9.0e-03	1.3e-02	1.2e-02

Predicted relative abundance of RBME as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	3.4e-04			2.3e-04
Rhode Island / Massachusetts OCS-A 0486	2.7e-04			4.5e-04
Rhode Island / Massachusetts OCS-A 0487	1.8e-04			2.9e-04
Massachusetts OCS-A 0500	4.6e-04			8.4e-04
Massachusetts OCS-A 0501	4.3e-04			7.6e-04
Massachusetts OCS-A 0502	7.5e-04			1.1e-03
Massachusetts OCS-A 0503	6.1e-04			6.3e-04
New York Proposed Commercial Lease - Unsolicited	1.2e-04			1.8e-04
New York OCS-A 0512	3.1e-04			3.9e-04
New Jersey OCS-A 0499	7.5e-04			8.1e-04
New Jersey OCS-A 0498	5.7e-04			7.1e-04
Delaware OCS-A 0482	3.8e-04			4.1e-04
Maryland OCS-A 0489	1.3e-04			1.4e-04
Maryland OCS-A 0490	1.3e-04			1.8e-04
Virginia OCS-A 0483	2.3e-04			3.8e-04
Virginia OCS-A 0497	9.9e-06			1.0e-05
North Carolina OCS-A 0508	2.0e-04			3.7e-04
North Carolina WEA - Wilmington West	1.1e-04			1.8e-04
North Carolina WEA - Wilmington East	2.1e-04			4.2e-04
South Carolina Call Area - Grand Strand	1.6e-03			2.3e-03
South Carolina Call Area - Cape Romain	7.0e-04			5.9e-04
South Carolina Call Area - Winyah	4.8e-05			1.1e-04
South Carolina Call Area - Charleston	5.4e-05			1.2e-04
All	8.6e-03			1.2e-02

Predicted relative abundance of REPH as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	6.4e-05	6.7e-05	2.8e-05	
Rhode Island / Massachusetts OCS-A 0486	2.2e-04	2.1e-04	9.2e-05	
Rhode Island / Massachusetts OCS-A 0487	1.6e-04	1.5e-04	6.7e-05	
Massachusetts OCS-A 0500	4.6e-04	4.2e-04	2.1e-04	
Massachusetts OCS-A 0501	4.3e-04	3.8e-04	1.9e-04	
Massachusetts OCS-A 0502	6.6e-04	5.6e-04	3.6e-04	
Massachusetts OCS-A 0503	3.6e-04	3.2e-04	2.5e-04	
New York Proposed Commercial Lease - Unsolicited	7.8e-05	8.6e-05	3.2e-05	
New York OCS-A 0512	1.4e-04	1.6e-04	5.7e-05	
New Jersey OCS-A 0499	3.1e-04	3.8e-04	1.2e-04	
New Jersey OCS-A 0498	2.7e-04	3.4e-04	1.1e-04	
Delaware OCS-A 0482	1.6e-04	2.0e-04	6.3e-05	
Maryland OCS-A 0489	4.8e-05	6.9e-05	2.1e-05	
Maryland OCS-A 0490	7.7e-05	9.9e-05	3.2e-05	
Virginia OCS-A 0483	2.1e-04	2.5e-04	8.4e-05	
Virginia OCS-A 0497	5.1e-06	6.0e-06	1.9e-06	
North Carolina OCS-A 0508	2.1e-04	2.7e-04	1.1e-04	
North Carolina WEA - Wilmington West	9.2e-05	1.2e-04	3.2e-05	
North Carolina WEA - Wilmington East	3.2e-04	3.0e-04	1.0e-04	
South Carolina Call Area - Grand Strand	1.1e-03	1.4e-03	3.8e-04	
South Carolina Call Area - Cape Romain	2.7e-04	3.4e-04	9.4e-05	
South Carolina Call Area - Winyah	1.0e-04	8.0e-05	3.4e-05	
South Carolina Call Area - Charleston	7.9e-05	8.2e-05	2.5e-05	
All	5.8e-03	6.3e-03	2.5e-03	

Predicted relative abundance of RNPH as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	5.6e-05	5.8e-05	3.3e-05	
Rhode Island / Massachusetts OCS-A 0486	1.9e-04	1.9e-04	1.3e-04	
Rhode Island / Massachusetts OCS-A 0487	1.3e-04	1.3e-04	9.4e-05	
Massachusetts OCS-A 0500	3.8e-04	3.4e-04	2.6e-04	
Massachusetts OCS-A 0501	3.3e-04	3.1e-04	2.2e-04	
Massachusetts OCS-A 0502	5.3e-04	4.4e-04	3.5e-04	
Massachusetts OCS-A 0503	3.7e-04	2.5e-04	2.2e-04	
New York Proposed Commercial Lease - Unsolicited	8.4e-05	8.0e-05	5.2e-05	
New York OCS-A 0512	1.6e-04	1.6e-04	9.8e-05	
New Jersey OCS-A 0499	3.4e-04	3.3e-04	2.1e-04	
New Jersey OCS-A 0498	2.9e-04	2.9e-04	1.9e-04	
Delaware OCS-A 0482	1.7e-04	1.7e-04	1.1e-04	
Maryland OCS-A 0489	5.9e-05	5.7e-05	3.7e-05	
Maryland OCS-A 0490	8.6e-05	8.0e-05	6.1e-05	
Virginia OCS-A 0483	2.0e-04	1.8e-04	1.8e-04	
Virginia OCS-A 0497	4.6e-06	4.5e-06	4.1e-06	
North Carolina OCS-A 0508	2.7e-04	1.8e-04	2.7e-04	
North Carolina WEA - Wilmington West	8.4e-05	7.9e-05	5.5e-05	
North Carolina WEA - Wilmington East	2.2e-04	1.9e-04	1.7e-04	
South Carolina Call Area - Grand Strand	1.0e-03	9.9e-04	7.1e-04	
South Carolina Call Area - Cape Romain	2.5e-04	2.5e-04	1.6e-04	
South Carolina Call Area - Winyah	7.1e-05	5.3e-05	7.1e-05	
South Carolina Call Area - Charleston	5.8e-05	5.7e-05	4.8e-05	
All	5.4e-03	4.9e-03	3.7e-03	

Predicted relative abundance of ROST as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	3.5e-04	5.0e-03	1.1e-04	
Rhode Island / Massachusetts OCS-A 0486	3.1e-04	3.4e-06	2.9e-04	
Rhode Island / Massachusetts OCS-A 0487	2.2e-04	2.0e-06	2.0e-04	
Massachusetts OCS-A 0500	5.9e-04	5.9e-06	5.6e-04	
Massachusetts OCS-A 0501	5.2e-04	5.0e-06	5.0e-04	
Massachusetts OCS-A 0502	7.6e-04	7.1e-06	7.5e-04	
Massachusetts OCS-A 0503	4.4e-04	4.2e-06	4.3e-04	
New York Proposed Commercial Lease - Unsolicited	1.4e-04	9.8e-07	1.2e-04	
New York OCS-A 0512	2.8e-04	1.9e-06	2.3e-04	
New Jersey OCS-A 0499	7.1e-04	4.4e-06	5.3e-04	
New Jersey OCS-A 0498	6.0e-04	3.6e-06	4.6e-04	
Delaware OCS-A 0482	3.8e-04	2.0e-06	2.8e-04	
Maryland OCS-A 0489	1.3e-04	7.9e-07	9.4e-05	
Maryland OCS-A 0490	1.8e-04	9.5e-07	1.3e-04	
Virginia OCS-A 0483	3.9e-04	2.0e-06	3.2e-04	
Virginia OCS-A 0497	1.0e-05	7.4e-08	8.0e-06	
North Carolina OCS-A 0508	3.9e-04	2.0e-06	3.5e-04	
North Carolina WEA - Wilmington West	1.9e-04	1.1e-06	1.5e-04	
North Carolina WEA - Wilmington East	4.0e-04	2.3e-05	3.8e-04	
South Carolina Call Area - Grand Strand	2.3e-03	1.8e-05	1.8e-03	
South Carolina Call Area - Cape Romain	7.3e-04	5.6e-05	4.6e-04	
South Carolina Call Area - Winyah	1.1e-04	5.3e-07	9.9e-05	
South Carolina Call Area - Charleston	1.1e-04	5.7e-07	1.0e-04	
All	1.0e-02	5.1e-03	8.4e-03	

Predicted relative abundance of ROYT as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	2.5e-07	2.0e-06	1.2e-05	
Rhode Island / Massachusetts OCS-A 0486	7.5e-07	7.2e-06	2.6e-05	
Rhode Island / Massachusetts OCS-A 0487	5.0e-07	5.2e-06	1.8e-05	
Massachusetts OCS-A 0500	1.3e-06	1.4e-05	4.7e-05	
Massachusetts OCS-A 0501	1.1e-06	1.2e-05	4.0e-05	
Massachusetts OCS-A 0502	1.6e-06	1.7e-05	5.7e-05	
Massachusetts OCS-A 0503	8.4e-07	9.6e-06	3.1e-05	
New York Proposed Commercial Lease - Unsolicited	4.4e-07	3.7e-06	1.7e-05	
New York OCS-A 0512	9.6e-07	8.6e-06	4.2e-05	
New Jersey OCS-A 0499	2.9e-06	4.9e-04	2.1e-04	
New Jersey OCS-A 0498	2.8e-06	5.3e-04	2.1e-04	
Delaware OCS-A 0482	3.3e-06	7.4e-04	1.3e-04	
Maryland OCS-A 0489	2.1e-06	2.5e-04	5.7e-05	
Maryland OCS-A 0490	2.2e-06	1.9e-04	5.0e-05	
Virginia OCS-A 0483	3.9e-06	9.1e-05	1.0e-04	
Virginia OCS-A 0497	3.2e-06	4.4e-05	8.4e-06	
North Carolina OCS-A 0508	3.4e-06	3.2e-05	8.8e-05	
North Carolina WEA - Wilmington West	9.7e-04	6.9e-04	8.4e-04	
North Carolina WEA - Wilmington East	2.1e-04	6.4e-04	6.0e-04	
South Carolina Call Area - Grand Strand	1.0e-02	1.1e-02	9.1e-03	
South Carolina Call Area - Cape Romain	9.1e-03	4.6e-03	6.3e-03	
South Carolina Call Area - Winyah	4.4e-04	1.2e-05	6.4e-05	
South Carolina Call Area - Charleston	3.7e-05	4.5e-05	7.5e-05	
All	2.1e-02	1.9e-02	1.8e-02	

Predicted relative abundance of RTLO as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	9.3e-04		3.3e-04	2.9e-04
Rhode Island / Massachusetts OCS-A 0486	6.6e-04		4.1e-04	4.6e-04
Rhode Island / Massachusetts OCS-A 0487	3.1e-04		2.2e-04	1.9e-04
Massachusetts OCS-A 0500	8.1e-04		5.3e-04	4.9e-04
Massachusetts OCS-A 0501	8.6e-04		4.5e-04	4.4e-04
Massachusetts OCS-A 0502	9.3e-04		5.3e-04	6.0e-04
Massachusetts OCS-A 0503	4.3e-04		2.6e-04	3.6e-04
New York Proposed Commercial Lease - Unsolicited	2.0e-04		1.4e-04	1.6e-04
New York OCS-A 0512	6.0e-04		3.2e-04	6.7e-04
New Jersey OCS-A 0499	5.1e-03		8.3e-04	2.0e-03
New Jersey OCS-A 0498	3.0e-03		6.9e-04	1.9e-03
Delaware OCS-A 0482	1.3e-03		3.8e-04	1.2e-03
Maryland OCS-A 0489	4.4e-04		1.4e-04	5.1e-04
Maryland OCS-A 0490	4.9e-04		1.6e-04	5.2e-04
Virginia OCS-A 0483	9.2e-04		2.8e-04	1.0e-03
Virginia OCS-A 0497	4.6e-05		8.4e-06	4.8e-05
North Carolina OCS-A 0508	4.4e-04		2.7e-04	8.9e-04
North Carolina WEA - Wilmington West	2.1e-03		1.8e-04	6.5e-04
North Carolina WEA - Wilmington East	6.4e-04		3.4e-04	8.7e-04
South Carolina Call Area - Grand Strand	1.9e-02		2.1e-03	7.2e-03
South Carolina Call Area - Cape Romain	2.3e-03		6.1e-04	1.6e-03
South Carolina Call Area - Winyah	7.0e-05		8.2e-05	8.1e-05
South Carolina Call Area - Charleston	9.9e-05		9.1e-05	1.6e-04
All	4.1e-02		9.4e-03	2.2e-02

Predicted relative abundance of SOSH as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	3.5e-05	1.2e-05	4.6e-05	
Rhode Island / Massachusetts OCS-A 0486	2.0e-04	4.4e-04	1.4e-04	
Rhode Island / Massachusetts OCS-A 0487	1.9e-04	5.1e-04	9.6e-05	
Massachusetts OCS-A 0500	5.9e-04	8.3e-04	2.7e-04	
Massachusetts OCS-A 0501	4.6e-04	7.0e-04	2.4e-04	
Massachusetts OCS-A 0502	8.9e-04	1.0e-03	3.5e-04	
Massachusetts OCS-A 0503	5.2e-04	6.6e-04	2.0e-04	
New York Proposed Commercial Lease - Unsolicited	6.8e-05	7.1e-05	5.5e-05	
New York OCS-A 0512	9.9e-05	1.1e-04	1.1e-04	
New Jersey OCS-A 0499	1.5e-04	5.9e-05	2.3e-04	
New Jersey OCS-A 0498	1.4e-04	4.7e-05	2.1e-04	
Delaware OCS-A 0482	7.9e-05	2.5e-05	1.2e-04	
Maryland OCS-A 0489	2.3e-05	8.2e-06	4.1e-05	
Maryland OCS-A 0490	3.8e-05	1.2e-05	5.8e-05	
Virginia OCS-A 0483	1.1e-04	2.5e-05	1.4e-04	
Virginia OCS-A 0497	2.2e-06	6.2e-07	3.3e-06	
North Carolina OCS-A 0508	2.0e-04	2.7e-05	1.5e-04	
North Carolina WEA - Wilmington West	2.9e-05	1.1e-05	5.8e-05	
North Carolina WEA - Wilmington East	8.6e-05	2.8e-05	1.5e-04	
South Carolina Call Area - Grand Strand	3.6e-04	1.3e-04	7.1e-04	
South Carolina Call Area - Cape Romain	8.1e-05	3.4e-05	1.8e-04	
South Carolina Call Area - Winyah	2.4e-05	7.1e-06	4.4e-05	
South Carolina Call Area - Charleston	2.3e-05	7.3e-06	4.0e-05	
All	4.4e-03	4.8e-03	3.6e-03	

Predicted relative abundance of SOTE as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	5.9e-16	1.9e-06		
Rhode Island / Massachusetts OCS-A 0486	2.0e-15	6.3e-06		
Rhode Island / Massachusetts OCS-A 0487	1.3e-15	4.4e-06		
Massachusetts OCS-A 0500	3.8e-15	1.2e-05		
Massachusetts OCS-A 0501	3.3e-15	1.1e-05		
Massachusetts OCS-A 0502	5.0e-15	1.6e-05		
Massachusetts OCS-A 0503	2.8e-15	9.0e-06		
New York Proposed Commercial Lease - Unsolicited	8.2e-16	2.8e-06		
New York OCS-A 0512	1.6e-15	5.4e-06		
New Jersey OCS-A 0499	3.6e-15	1.3e-05		
New Jersey OCS-A 0498	3.2e-15	1.2e-05		
Delaware OCS-A 0482	1.9e-15	7.2e-06		
Maryland OCS-A 0489	6.5e-16	2.4e-06		
Maryland OCS-A 0490	9.4e-16	3.5e-06		
Virginia OCS-A 0483	2.3e-15	9.2e-06		
Virginia OCS-A 0497	5.6e-17	2.4e-07		
North Carolina OCS-A 0508	2.5e-15	1.0e-05		
North Carolina WEA - Wilmington West	1.1e-15	9.7e-06		
North Carolina WEA - Wilmington East	3.1e-15	1.7e-03		
South Carolina Call Area - Grand Strand	1.4e-14	2.1e-04		
South Carolina Call Area - Cape Romain	3.3e-15	8.3e-05		
South Carolina Call Area - Winyah	7.4e-16	5.1e-05		
South Carolina Call Area - Charleston	7.4e-16	2.2e-05		
All	5.9e-14	2.2e-03		

Predicted relative abundance of SPSK as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478		3.6e-05	1.2e-05	
Rhode Island / Massachusetts OCS-A 0486		1.2e-04	3.6e-05	
Rhode Island / Massachusetts OCS-A 0487		8.8e-05	2.6e-05	
Massachusetts OCS-A 0500		2.6e-04	7.7e-05	
Massachusetts OCS-A 0501		2.5e-04	7.1e-05	
Massachusetts OCS-A 0502		4.0e-04	1.1e-04	
Massachusetts OCS-A 0503		2.7e-04	7.2e-05	
New York Proposed Commercial Lease - Unsolicited		4.4e-05	1.2e-05	
New York OCS-A 0512		7.8e-05	2.2e-05	
New Jersey OCS-A 0499		1.8e-04	4.9e-05	
New Jersey OCS-A 0498		1.5e-04	4.3e-05	
Delaware OCS-A 0482		9.1e-05	2.6e-05	
Maryland OCS-A 0489		3.1e-05	8.8e-06	
Maryland OCS-A 0490		4.5e-05	1.3e-05	
Virginia OCS-A 0483		1.1e-04	3.3e-05	
Virginia OCS-A 0497		2.6e-06	7.8e-07	
North Carolina OCS-A 0508		1.3e-04	5.9e-05	
North Carolina WEA - Wilmington West		4.3e-05	1.2e-05	
North Carolina WEA - Wilmington East		1.2e-04	3.3e-05	
South Carolina Call Area - Grand Strand		5.1e-04	1.4e-04	
South Carolina Call Area - Cape Romain		1.2e-04	3.3e-05	
South Carolina Call Area - Winyah		3.1e-05	8.8e-06	
South Carolina Call Area - Charleston		2.9e-05	7.9e-06	
All		3.1e-03	9.1e-04	

Predicted relative abundance of SUSC as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	6.4e-03		7.6e-03	3.7e-03
Rhode Island / Massachusetts OCS-A 0486	8.1e-05		2.2e-04	2.5e-04
Rhode Island / Massachusetts OCS-A 0487	4.2e-05		1.3e-04	1.6e-04
Massachusetts OCS-A 0500	1.3e-04		3.5e-04	4.7e-04
Massachusetts OCS-A 0501	1.7e-04		3.1e-04	4.3e-04
Massachusetts OCS-A 0502	4.0e-04		4.4e-04	6.7e-04
Massachusetts OCS-A 0503	2.7e-04		2.4e-04	4.0e-04
New York Proposed Commercial Lease - Unsolicited	2.6e-05		8.8e-05	1.1e-04
New York OCS-A 0512	1.5e-04		2.8e-04	2.3e-04
New Jersey OCS-A 0499	1.0e-02		6.2e-04	5.3e-04
New Jersey OCS-A 0498	3.3e-04		6.0e-04	4.9e-04
Delaware OCS-A 0482	1.8e-04		3.2e-04	3.3e-04
Maryland OCS-A 0489	7.7e-05		1.2e-04	1.2e-04
Maryland OCS-A 0490	5.4e-05		1.1e-04	1.4e-04
Virginia OCS-A 0483	7.2e-05		1.9e-04	3.2e-04
Virginia OCS-A 0497	4.5e-05		5.8e-06	1.9e-05
North Carolina OCS-A 0508	7.0e-05		1.9e-04	3.1e-04
North Carolina WEA - Wilmington West	9.6e-05		1.0e-04	1.4e-04
North Carolina WEA - Wilmington East	9.0e-05		2.0e-04	3.1e-04
South Carolina Call Area - Grand Strand	1.6e-03		1.2e-03	1.6e-03
South Carolina Call Area - Cape Romain	7.6e-04		3.3e-04	4.5e-04
South Carolina Call Area - Winyah	1.7e-05		5.2e-05	7.6e-05
South Carolina Call Area - Charleston	1.8e-05		5.5e-05	7.8e-05
All	2.1e-02		1.4e-02	1.1e-02

Predicted relative abundance of TBMU as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	1.6e-05			1.3e-05
Rhode Island / Massachusetts OCS-A 0486	4.4e-05			4.4e-05
Rhode Island / Massachusetts OCS-A 0487	3.1e-05			3.1e-05
Massachusetts OCS-A 0500	8.9e-05			1.0e-04
Massachusetts OCS-A 0501	8.3e-05			9.4e-05
Massachusetts OCS-A 0502	1.3e-04			1.6e-04
Massachusetts OCS-A 0503	1.0e-04			9.1e-05
New York Proposed Commercial Lease - Unsolicited	1.4e-05			1.6e-05
New York OCS-A 0512	2.6e-05			3.0e-05
New Jersey OCS-A 0499	5.4e-05			6.4e-05
New Jersey OCS-A 0498	4.5e-05			5.9e-05
Delaware OCS-A 0482	2.6e-05			3.5e-05
Maryland OCS-A 0489	8.3e-06			1.3e-05
Maryland OCS-A 0490	1.2e-05			1.8e-05
Virginia OCS-A 0483	2.7e-05			4.8e-05
Virginia OCS-A 0497	6.6e-07			1.2e-06
North Carolina OCS-A 0508	3.0e-05			6.4e-05
North Carolina WEA - Wilmington West	1.0e-05			2.2e-05
North Carolina WEA - Wilmington East	2.6e-05			7.0e-05
South Carolina Call Area - Grand Strand	1.2e-04			2.6e-04
South Carolina Call Area - Cape Romain	2.9e-05			5.9e-05
South Carolina Call Area - Winyah	1.2e-05			1.8e-05
South Carolina Call Area - Charleston	7.2e-06			1.7e-05
All	9.4e-04			1.3e-03

Predicted relative abundance of WISP as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	2.2e-05	2.5e-05	1.8e-05	
Rhode Island / Massachusetts OCS-A 0486	6.7e-05	5.5e-04	1.0e-04	
Rhode Island / Massachusetts OCS-A 0487	5.2e-05	9.1e-04	1.1e-04	
Massachusetts OCS-A 0500	1.6e-04	1.7e-03	2.5e-04	
Massachusetts OCS-A 0501	1.4e-04	1.3e-03	1.8e-04	
Massachusetts OCS-A 0502	3.7e-04	1.9e-03	3.2e-04	
Massachusetts OCS-A 0503	2.6e-04	9.3e-04	2.0e-04	
New York Proposed Commercial Lease - Unsolicited	2.8e-05	2.9e-04	5.4e-05	
New York OCS-A 0512	4.9e-05	3.4e-04	9.5e-05	
New Jersey OCS-A 0499	1.2e-04	5.2e-04	1.6e-04	
New Jersey OCS-A 0498	1.0e-04	4.8e-04	1.1e-04	
Delaware OCS-A 0482	6.3e-05	2.3e-04	5.0e-05	
Maryland OCS-A 0489	2.2e-05	5.4e-05	1.6e-05	
Maryland OCS-A 0490	3.2e-05	9.2e-05	2.6e-05	
Virginia OCS-A 0483	1.0e-04	2.1e-04	6.9e-05	
Virginia OCS-A 0497	2.1e-06	4.1e-06	1.3e-06	
North Carolina OCS-A 0508	1.7e-04	3.2e-04	1.4e-04	
North Carolina WEA - Wilmington West	3.2e-05	2.2e-05	2.3e-05	
North Carolina WEA - Wilmington East	8.8e-05	5.7e-05	6.0e-05	
South Carolina Call Area - Grand Strand	3.8e-04	2.5e-04	2.8e-04	
South Carolina Call Area - Cape Romain	9.4e-05	5.6e-05	6.8e-05	
South Carolina Call Area - Winyah	3.0e-05	1.4e-05	2.4e-05	
South Carolina Call Area - Charleston	2.4e-05	1.4e-05	1.6e-05	
All	2.4e-03	1.0e-02	2.4e-03	

Predicted relative abundance of WWSC as a proportion of total relative abundance in the study area by BOEM area (Fig. D1) and season. Note that these results are relative to the study area. They do not account for birds outside of the study area. If the entire range of a species were to be considered then the proportional relative abundance in BOEM areas could decrease.

BOEM area	Spring	Summer	Fall	Winter
Massachusetts OCS-A 0478	4.9e-04		9.9e-03	4.0e-03
Rhode Island / Massachusetts OCS-A 0486	2.8e-04		2.0e-04	8.3e-04
Rhode Island / Massachusetts OCS-A 0487	1.8e-04		1.0e-04	2.7e-04
Massachusetts OCS-A 0500	5.2e-04		2.6e-04	9.8e-04
Massachusetts OCS-A 0501	4.7e-04		2.4e-04	1.3e-03
Massachusetts OCS-A 0502	7.9e-04		3.3e-04	1.8e-03
Massachusetts OCS-A 0503	3.1e-03		1.8e-04	4.9e-03
New York Proposed Commercial Lease - Unsolicited	1.1e-04		5.9e-05	1.5e-04
New York OCS-A 0512	2.2e-04		1.3e-04	4.1e-04
New Jersey OCS-A 0499	5.4e-04		2.7e-04	8.5e-04
New Jersey OCS-A 0498	4.2e-04		2.2e-04	7.0e-04
Delaware OCS-A 0482	2.5e-04		1.3e-04	3.4e-04
Maryland OCS-A 0489	8.8e-05		4.8e-05	1.1e-04
Maryland OCS-A 0490	1.2e-04		5.9e-05	1.3e-04
Virginia OCS-A 0483	2.8e-04		1.3e-04	2.5e-04
Virginia OCS-A 0497	7.7e-06		3.1e-06	6.5e-06
North Carolina OCS-A 0508	3.0e-04		1.4e-04	2.7e-04
North Carolina WEA - Wilmington West	1.4e-04		6.1e-05	9.9e-05
North Carolina WEA - Wilmington East	3.3e-04		1.5e-04	2.6e-04
South Carolina Call Area - Grand Strand	1.7e-03		7.5e-04	1.2e-03
South Carolina Call Area - Cape Romain	4.3e-04		1.8e-04	3.2e-04
South Carolina Call Area - Winyah	8.5e-05		3.8e-05	7.3e-05
South Carolina Call Area - Charleston	8.7e-05		3.8e-05	6.9e-05
All	1.1e-02		1.4e-02	1.9e-02