

Studies Conducted by the Applicant's Consultant that Were Used During the Preparation of this Description			
Applicant Report No.	Title	Author	Type of Report
4.2.4-1	Preliminary Avian Risk Assessment for the Cape Wind Energy Project	Kerlinger and Hatch	Desktop assessment
4.2.4-2	Summary of Cape Wind and MAS Aerial Surveys - 2002 - 2006	ESS Group, Inc.	Summary of aerial surveys
4.2.4-3	Spring and Summer 2002 Waterbirds Survey	ESS, Hatch, and Kerlinger	Six aerial and seven boat surveys of marine birds
4.2.4-4	A Late Winter and Early Spring 2002 Waterbirds Survey	ESS, Hatch, and Kerlinger	Five aerial and one boat surveys of marine birds
4.2.4-5	Mobile Avian Radar System (MARS®) 2002 Monitoring Report: Data Reanalysis, Nantucket Sound	Geo-Marine, Inc.	Radar surveys
4.2.4-6	Fall 2005 Mobile Avian Radar System (MARS®) Monitoring Report, Nantucket Sound	Geo-Marine, Inc.	Radar surveys
4.2.4-7	Spring 2006 Mobile Avian Radar System (MARS®) Monitoring Report, Nantucket Sound	Geo-Marine, Inc.	Radar surveys
4.2.4-8	Summer 2003 Waterbirds Survey	ESS, Hatch, and Kerlinger	Six aerial and two boat surveys of marine birds
4.2.4-9	Fall 2002 and Winter 2003 Waterbirds Survey	ESS, Hatch, and Kerlinger	Eleven aerial and two boat surveys of marine birds
4.2.4-10	Six Surveys of Waterbirds in Nantucket Sound	ESS, Hatch, and Kerlinger	Six aerial and one boat surveys of marine birds
4.2.4-11	Fall 2003 and Winter 2004 Waterbirds Survey	ESS, Hatch, and Kerlinger	Twelve aerial and one boat surveys of marine birds
4.2.4-12	Long-tailed Duck Report, Winter 2005-2006	ESS Group, Inc.	Targeted aerial, boat and land surveys of ducks
4.2.4-13	Winter/Nocturnal Duck Survey, Nantucket Sound	ESS Group, Inc.	Two aerial and two boat surveys of ducks

Summary of the Cape Wind and MassAudubon Aerial Survey Methodologies						
	Number of Surveys	Number of Transects	Survey Width (m)	Survey Length (km)	Survey Height (m)	Survey Area (km²)
Applicant	46	16	400	415 km	76	168
MAS	79	16 – 15 <u>a/</u>	183	398 – 401 <u>b/</u>	152	73 - 78 <u>c/</u>

a/ 16 transects during the tern breeding and fall staging survey periods and 15 during the winter sea duck and waterbirds surveys
b/ 398 km during the tern breeding and fall staging survey periods and 401 km during the winter sea duck and waterbirds surveys
c/ 73 km² during the tern breeding and fall staging survey periods and 78 km² during the winter sea duck and waterbirds surveys