

DEMOGRAPHY AND POPULATIONS

Table 1: Daily nest survival (DNS) and Hatching probability

Location	Number of nests	Years	DNS	Hatching probability
North Carolina ^a	852	1995-2010	0.954	0.278
Georgia ^b	32	2003-2004	0.973	0.452
New Jersey ^c	205	2005-2006	0.93	0.141

^a From Simons and Stocking 2011

^b From Sabine et al. 2006

^c From Virzi 2008

Table 2. Best available breeding productivity estimates compiled by states (through 2009 except for DE) nd = no data; n/a =not applicable.

State	N (no. yrs. monitoring occurred)	Total no. prs. monitored (all yrs. combined)	No. yng. fledged per monitored pr. (+ SE)
FL	1	44	0.39 (n/a)
GA ¹	3	283	0.19 (??) ²
SC	3	165	0.32 (??) ¹
NC	11	1371	0.30 (+ 0.017)
VA	8	2416	0.53 (+ 0.016)
MD ³	1	85	0.45 (n/a)
DE ⁴	8	9	0.00 (+ 0.00)
DE ⁵	1	12	0.67 (n/a)
NJ	7	585	0.32 (+ 0.027)
RI	nd	nd	nd
MA ⁶	1	154	0.45 (+ 0.069)
MA (Monomoy NWR only)	7	212	0.34 (0.044)

¹ Data are from, 2000, 2001, 2010. The early years are from George (2002).

² SE was not provided.

³ Maryland's breeding productivity estimate is derived from Traut et al. 2006

⁴ Productivity estimate derived from ocean beaches only (2002-2009).

⁵Productivity estimate derived from 2010, the first year prod. monitoring occurred on ocean beaches, Delaware Bay, and inshore beaches and bays (8 yng fledged/12 prs monitored).

⁶2009 Statewide estimate includes Monomoy NWR data and SE is based on productivity nests. by site. Still trying to get more years of statewide productivity from S.Melvin.

Table 3: Daily brood or chick survival and fledging success

Location	Number of broods/chicks	Years	DS	Survival to fledging
North Carolina (brood survival) ^a	667	1999-2010	0.976	0.424 (35 days)
North Carolina (chick survival) ^b	121	2005-2007		0.438 (35 days)
Georgia (brood survival) ^c	12	2003-2004	0.991	0.329 (35 days)
Massachusetts (brood survival) ^d	121	2005-2008		0.463 (? Days)

^a From Simons and Stocking 2011

^b From Simons and Schulte 2010

^c From Sabine et al. 2006

^d From Murphy 2010

Table 4. Best available breeding population estimates compiled by states (through 2009 with the exception of GA). nd = no data; n/a =not applicable.

State	N (survey yrs.)	Breeding prs. mean ±SE	Breeding prs. range	Total inds. mean ±SE	Total inds. range
FL	1	391 (n/a)	n/a	1014 (n/a)	n/a
GA ¹	2	101 ((+15.00)	86-116	258 (+ 17.00)	241-275
SC	4 ²	414 (+12.00)	397-437	1103 (+51.00)	961 - 1184
NC	2	338 (+1.00)	337-339	709 (+8.00)	701-717
VA	2	660 (+71.50)	588-731	1527(+190.00)	1337-1717
MD ³	1	108 (n/a)	n/a	nd	nd
DE	3	10 (+0.67)	9-11	19.33 (+1.33)	18-22
NJ	1	333 (n/a)	n/a	662 (n/a)	n/a
RI	33	14 (+ 1.40)	1-29	29 (+2.93)	2-58
MA	4	175 (+ 7.98)	153-191	366 (+ 16.32)	317-387

¹The only state whose breeding pair estimate includes data from 2010.

²Breeding pair mean is based on three survey years whereas the mean of total individuals is based on 4 survey years.

³Maryland's breeding population estimates is derived from Traut et al. 2006. Breeding status and distribution of American Oystercatchers in Maryland. Waterbirds 29: 302-307.

⁴Derived from 2002, 2003, 2006 and 2009 state reports recd. from S. Melvin.

Table 5. Best available winter population estimates compiled by states (through 2009) nd = no data; n/a =not applicable.

State	N (survey yrs.)	Total inds. mean \pm SE	Total inds. range
FL ¹	1	1852 (n/a)	n/a
GA ¹	1	981 (n/a)	n/a
SC	3	3536 (\pm 118.00)	3327-3734
NC	1 (2002)	647 (n/a)	n/a
VA ²	10	1844 (\pm 103.08)	1084-2263
VA ³	10	1940 (\pm 130.84)	1084-2530
MD	nd	nd	nd
DE ¹	1	0	n/a
NJ ⁴	6	695 (\pm 44.90)	546-807
NJ ⁵	2	906 (\pm 66.50)	840-973

¹Winter population estimate derived from Brown et al. 2005.

²Winter population estimate derived from November surveys only, including those conducted in 2008 and 2009.

³Winter population estimate derived from highest winter counts, which includes December surveys conducted in 2008 and 2009 (in both yrs., the December counts were higher than the November counts).

⁴Winter population estimate derived from ground surveys.

⁵Winter population estimate derived from aerial surveys.