



Leatherback Turtle (*Dermochelys coriacea*)

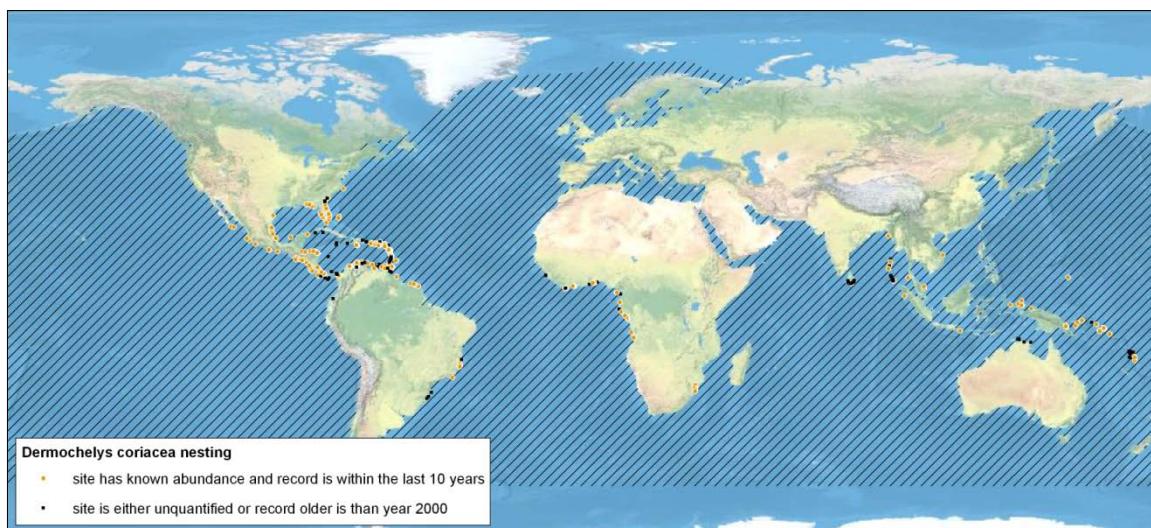


Figure 1. Global distribution and nesting sites for the Leatherback Turtle.

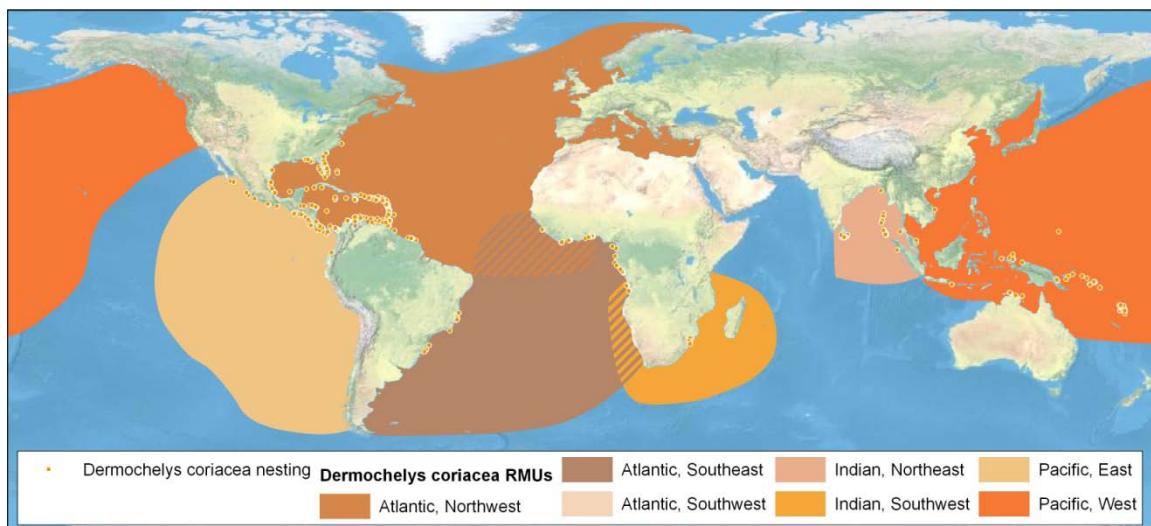


Figure 2. Global map of the seven subpopulations (RMUs) of Leatherbacks and their nesting sites.

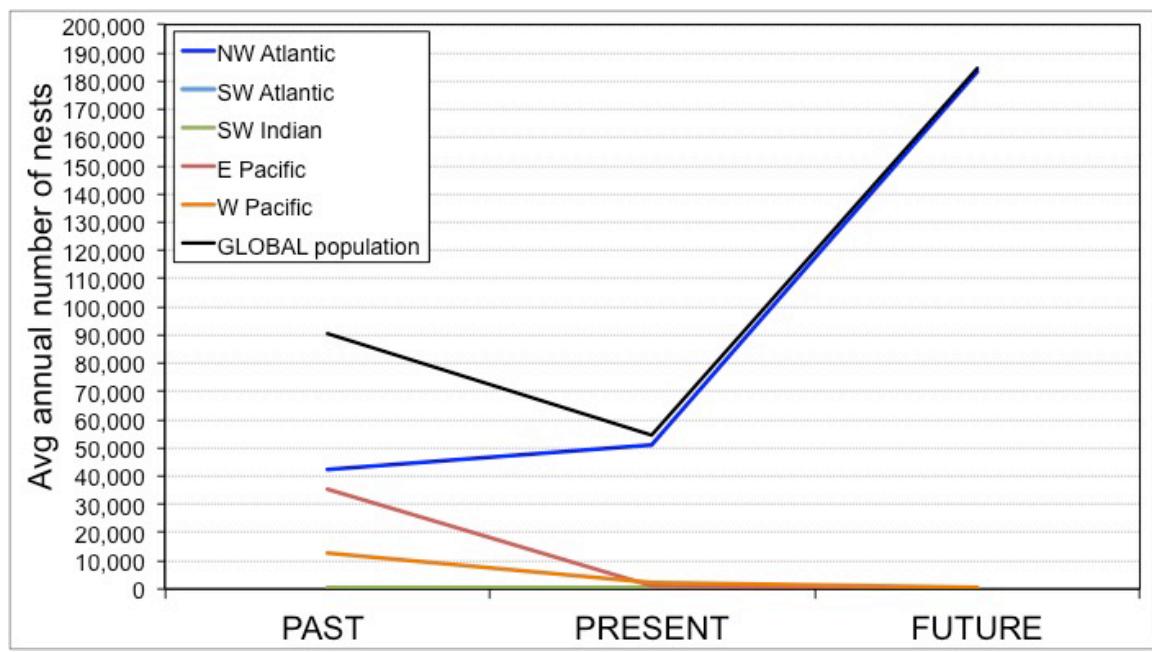


Figure 3. Past (3 generations ago), present (year 2010), and future (year 2040) abundance of each Leatherback subpopulation and the global population. See Tables 2 and 3 for actual values.

Table 1. Summary results of subpopulation assessments and global assessment for all IUCN Red List Criteria, and the final listings for each subpopulation and global population. Cells shaded red indicate “Threatened” category status according to IUCN Red List Criteria.

SUBPOPULATION	Criterion A2 (popn reduction)	Criterion A4 (popn reduction, moving window)	Criterion B (geographic range)	Criterion C (small popn size and decline)	Criterion D (very small or restricted popn)	Criterion E (quantitative analysis)	UCN RED LIST CATEGORY AND CRITERIA
Northwest Atlantic Ocean	Least Concern	Least Concern	Least Concern	Least Concern	Least Concern	Not Assessed	Least Concern
Southeast Atlantic Ocean	Data Deficient	Data Deficient	Data Deficient	Data Deficient	Data Deficient	Not Assessed	Data Deficient
Southwest Atlantic Ocean	Least Concern	Least Concern	Near Threatened	Near Threatened	Critically Endangered D	Not Assessed	<i>Critically Endangered Criterion D</i>
Southwest Indian Ocean	Least Concern	Least Concern	Vulnerable B2ab(v)	Critically Endangered C2a(ii)	Endangered C2a(i,ii); D	Not Assessed	<i>Critically Endangered C2a(ii)</i>
Northeast Indian Ocean	Data Deficient	Data Deficient	Data Deficient	Data Deficient	Data Deficient	Not Assessed	Data Deficient
East Pacific Ocean	Critically Endangered A2bd	Critically Endangered A4bd	Least Concern	Endangered C1	Vulnerable D	Not Assessed	<i>Critically Endangered A2bd+4bd</i>
West Pacific Ocean	Critically Endangered A2bd	Critically Endangered A4bd	Least Concern	Endangered C1	Least Concern	Not Assessed	<i>Critically Endangered A2bd+4bd</i>
GLOBAL	Vulnerable	Near Threatened	Least Concern	Least Concern	Least Concern	Not Assessed	<i>Vulnerable A2bd</i>

Table 2. Summary of published information on past and present nesting abundances (average number of nests per year) and trends at rookeries within each subpopulation. Global population size (past and present, in average annual nesting abundance) is the sum of subpopulation totals, and the global trend is calculated as an average of subpopulation trends, weighted by the subpopulation size relative to global population size three generations ago (IUCN 2011). All values are based on a single-year count, unless the years shown are a range, then the value is an annual mean. Past estimates of abundance were assumed to reflect abundance three generations prior, and thus used in calculation of annual and 3-generation declines.

Subpopulation	Site	Past Estimate 1		Past Estimate 2		Recent Estimate		Estimate to 2010	Annual Change	3-generation Change	Citations (Past)	Citation (Present)
		Years	Value	Years	Value	Years	Value					
<i>Northwest Atlantic Ocean</i>	Suriname (Galibi, Matapica)	1967-1971	227	1976-1985	4,487	2005-2010	4,263	4,263	0.069	17.78	TEWG (2007) and references therein	TEWG (2007) and references therein; Hilterman and Goverse (2007); WWF-Suriname, unpublished data
	French Guiana	1967-1971	21,323	1976-1985	20,957	2001-2005	22,501	22,639	0.001	0.06	TEWG (2007) and references therein	TEWG (2007) and references therein; Girondot <i>et al.</i> (2007); M. Entraygues pers. comm.
	Guyana	1965	4	1990-1999	114	2006-2010	836	836	0.129	208.00	TEWG (2007) and references therein	TEWG (2007) and references therein; DeFreitas and Pritchard (2006, 2007, 2008, 2009, 2010)
	Trinidad (Matura)	1999-2003	17,886			2004-2007	18,289	18,289	0.002	0.03	TEWG (2007) and references therein; Eckert pers. comm.	TEWG (2007) and references therein, Eckert, pers. comm.
	Trinidad (Grand Riviere, Fishing Pond)					2007-2008	40,499				Eckert pers. comm	Eckert pers. comm.
	Costa Rica (Tortuguero)	1995-1999	1,000			2006-2010	284	284	-0.076	-0.72	TEWG (2007) and references therein; Sea Turtle Conservancy pers. comm. (2011)	TEWG (2007) and references therein; Sea Turtle Conservancy pers. comm. (2011)
	Costa Rica (Gandoca)	1990-1994	306	2001-2005	589	2010	232	232	-0.013	-0.24	TEWG (2007) and references therein; Chacon-Chaverri and Eckert (2007)	Chacón (2010)
	Costa Rica (Pacuare)	1995-1999	845	2001-2005	719	2010	899	899	0.004	0.06	TEWG (2007) and references therein	Hart (2010)
	Costa Rica (others)					2008-2010	~300					Economides and Chacón (2009); Arroyo Arce and Jones (2010)

Subpopulation	Site	Past Estimate 1		Past Estimate 2		Recent Estimate		Estimate to 2010	Annual Change	3-generation Change	Citations (Past)	Citation (Present)
		Years	Value	Years	Value	Years	Value					
	Panama (Chiriquí)					2004-2010	4,542					Ordoñez Espinosa <i>et al.</i> (2007); Sea Turtle Conservancy pers. comm. (2010)
	Panama (Armillal), Colombia					2006-2007	3,831 (Panama); 2,299 (Colombia)					Patiño-Martínez <i>et al.</i> (2008)
	St. Croix, US Virgin Islands	1977-1981	60			2006-2010	695	695	0.075	10.58	TEWG (2007) and references therein; Dutton <i>et al.</i> (2005); Garner and Garner pers. comm.	Garner and Garner pers. comm.
	Culebra, Puerto Rico	1984-1988	138			2006-2010	132	132	-0.002	-0.04	TEWG (2007) and references therein; Diez <i>et al.</i> (2012); Diez pers. comm.	TEWG (2007) and references therein; Diez <i>et al.</i> (2012); Diez pers. comm.
	Fajardo, Puerto Rico	1986-1990	6			2006-2010	341	341	0.175	55.83	TEWG (2007) and references therein; Diez <i>et al.</i> (2012); Diez pers. comm.	TEWG (2007) and references therein; Diez <i>et al.</i> (2012); Diez pers. comm.
	Vieques, Puerto Rico	1991-1995	36			2006-2010	104	104	0.054	1.89	TEWG (2007) and references therein; Diez <i>et al.</i> (2012); Diez pers. comm.	TEWG (2007) and references therein; Diez <i>et al.</i> (2012); Diez pers. comm.
	British Virgin Islands	1987-1991	3			2000-2004	50	128	0.232	41.57	TEWG (2007) and references therein	TEWG (2007) and references therein
	Dominican Republic (Jaragua National Park)					2006-2010	126					Revuelta <i>et al.</i> (2012)
	Florida (68 beaches)	1979-1989	59	1990-1999	263	2009-2010	1,158	1,158	0.097	18.63	TEWG (2007) and references therein; Stewart <i>et al.</i> (2011)	TEWG (2007) and references therein; Stewart <i>et al.</i> (2011); Florida Wildlife Commission Fish and Wildlife Research Institute, Statewide Nesting Beach Survey Program Database as of 26 April 2011
	Grenada	2000-2005	265			2006-2010	706	706	0.093	1.66	TEWG (2007) and references therein; Lloyd pers. comm	TEWG (2007) and references therein; Lloyd pers. comm

Subpopulation	Site	Past Estimate 1		Past Estimate 2		Recent Estimate		Estimate to 2010	Annual Change	3-generation Change	Citations (Past)	Citation (Present)
		Years	Value	Years	Value	Years	Value					
Northwest Atlantic Ocean subpopulation Total			42,158					50,842	0.001	0.2060		
Southeast Atlantic Ocean	Gabon					2000-2006	77,693	ND				Witt <i>et al.</i> (2009)
	Congo	2000	206			2006-2010	257	257	0.020	0.25	Godgenger <i>et al.</i> (2009)	Godgenger <i>et al.</i> (2009)
	Bioko Island, Equatorial Guinea	1996-1997	1015			2000-2010	2767	2767	0.041	1.73	Rader <i>et al.</i> (2006); Tomas <i>et al.</i> (2010); S. Honarvar and Bioko Biodiversity Protection Program, Unpublished data	
	Southeast Atlantic Ocean subpopulation Total							ND	ND	ND		DD because the majority of abundance in this subpopulation occurs in Gabon, for which trend data are unavailable
Southwest Atlantic Ocean	Brazil	1982-1989	16	1990-1999	24	2000-2009	51	53	0.042	2.32	Thome <i>et al.</i> (2007)	Thome <i>et al.</i> (2007); Almeida <i>et al.</i> pers. comm.
Southwest Atlantic Ocean subpopulation Total			16					53	0.042	2.32		
Northeast Indian Ocean	Andaman and Nicobar Islands, India	1991-1995	158-252	2000-2001	425-524	2007-2010	7-59	NOTE: No trends estimated because nesting abundance values are mostly counts based on inconsistent survey effort (i.e. monitoring not performed for entire nesting seasons), so do not represent complete annual abundance estimates.				Andrews <i>et al.</i> (2006); Hamann <i>et al.</i> (2006); Namboothri <i>et al.</i> (2010); Nel (2012)
Northeast Indian Subpopulation Total								ND	ND	ND		DD because monitoring was insufficient to derive reliable abundance and trend data

Subpopulation	Site	Past Estimate 1		Past Estimate 2		Recent Estimate		Estimate to 2010	Annual Change	3-generation Change	Citations (Past)	Citation (Present)
		Years	Value	Years	Value	Years	Value					
<i>Southwest Indian Ocean subpopulation</i>	KwaZulu-Natal, South Africa	1965-1984	256	1986-1999	324	2000-2009	244	244	-0.001	-0.048	Nel (2008, 2012); Nel <i>et al.</i> (2013)	Nel (2008, 2012); Nel <i>et al.</i> (2013)
	Mozambique	1994-1999	18			2000-2009	15	15	-0.007	-0.17	Lombard and Kyle (2010)	Lombard and Kyle (2010)
Southwest Indian Ocean subpopulation Total			274					259	-0.001	-0.056		
<i>East Pacific Ocean subpopulation</i>	Parque Nacional Marino Las Baulas, Costa Rica	1988-1992	8002			2006-2010	409	409	-0.121	-0.95	Spotila <i>et al.</i> (2000); Santidrián Tomillo <i>et al.</i> (2007)	Santidrián Tomillo <i>et al.</i> pers. comm.
	Mexiquillo, Mexico	1982-1986	6693			2006-2010	130	130	-0.127	-0.98	Sarti Martínez <i>et al.</i> (2007)	A.L. Sarti Martínez pers. comm.
	Tierra Colorada, Mexico	1982	5000			2006-2010	103	103	-0.125	-0.98	Sarti Martínez <i>et al.</i> (2007))	A.L. Sarti Martínez pers. comm.
	Cahuitán, Mexico	1997-2001	415			2006-2010	130	130	-0.039	-0.98	Sarti Martínez <i>et al.</i> (2007)	A.L. Sarti Martínez pers. comm.
	Chacaua, Mexico	1982-1986	2661			2010	24	24	-0.150	-0.99	Sarti Martínez <i>et al.</i> (2007)	A.L. Sarti Martínez pers. comm.
	Barra de la Cruz, Mexico	1992-1996	738			2006-2010	130	130	-0.126	-0.98	Sarti Martínez <i>et al.</i> (2007)	Sarti Martínez pers. comm.
	Veracruz, Nicaragua					2002-2010	34				Urteaga <i>et al.</i> (2012); J. Urteaga pers. comm.	Urteaga <i>et al.</i> (2012); J. Urteaga pers. comm.
	Salamina, Nicaragua					2008-2010	24				Urteaga <i>et al.</i> (2012); J. Urteaga pers. comm.	Urteaga <i>et al.</i> (2012); J. Urteaga pers. comm.
	Juan Venado, Nicaragua					2004-2010	28				Urteaga <i>et al.</i> (2012); J. Urteaga pers. comm.	Urteaga <i>et al.</i> (2012); J. Urteaga pers. comm.
East Pacific Ocean subpopulation Total			35,356					926	-0.111	-0.974		
<i>West Pacific Ocean subpopulation</i>	Terengganu, Malaysia	1967-1976	3,822	1991-2000	96	2001-2010	6	6	-0.136	-1.00	Chan and Liew (1996); Malaysian Fisheries Dept, unpublished data	Chan and Liew (1996); Malaysian Fisheries Dept, unpublished data
	Jamursba-Medi, Indonesia	1981-1985	8892	1993-1999	4806	2006-2010	2127	2127	-0.047	-0.76	Hitipeuw <i>et al.</i> (2007); Tapilatu <i>et al.</i> (2013)	Hitipeuw <i>et al.</i> (2007); Tapilatu <i>et al.</i> (2013)
	Warmon, Indonesia					2006-2010	1308				Hitipeuw <i>et al.</i> (2007); Tapilatu <i>et al.</i> (2013)	Hitipeuw <i>et al.</i> (2007); Tapilatu <i>et al.</i> (2013)

Subpopulation	Site	Past Estimate 1		Past Estimate 2		Recent Estimate		Estimate to 2010	Annual Change	3-generation Change	Citations (Past)	Citation (Present)
		Years	Value	Years	Value	Years	Value					
	Solomon Islands					2007	850					Dutton <i>et al.</i> (2007)
	Kamiali, Papua New Guinea	2000-2004	81			2006-2010	49	49	-0.017	-0.40	Marine Research Foundation (2007)	Marine Research Foundation (2007); N.J. Pilcher pers. comm
	6 other sites, Papua New Guinea					2006-2010	222				Marine Research Foundation (2007)	Marine Research Foundation (2007); N.J.Pilcher pers. comm
West Pacific Ocean subpopulation Total			12,795					2,182	-0.073	-0.8295		
GLOBAL TOTAL (all subpopulations)			90,559					54,262	-0.053	-0.401	Vulnerable based on Criterion A2 subcriteria (b) and (d)	

Table 3. Estimates of past and present nesting abundances (average number of nests per year) and trends at rookeries within each subpopulation, based on published and available data contained in Table 2. Global population sizes (in average annual nesting abundance) are the sum of subpopulation totals, and the global trend was calculated as an average of subpopulation trends, weighted by the subpopulation size relative to global population size three generations ago (IUCN 2011). All values are based on a single-year counts, unless the years shown are a range, then the value is an annual mean (see Table 2). Past estimates of abundance were assumed to reflect abundance three generations prior, and thus used in calculation of annual and 3-generation declines.

Subpopulation	Site	Abundance Estimate three generations ago (No. nests yr ⁻¹)	Abundance Estimate to 2010 (No. nests yr ⁻¹)	Estimate to 2020	Annual Change (through 2020)	3-generation Change (through 2020)	Estimate to 2030	Annual Change (through 2030)	3-generation Change (through 2030)	Estimate to 2040	Annual Change (through 2040) (No. nests yr ⁻¹)	3-generation Change (through 2040) (No. nests yr ⁻¹)	Citations
Northwest Atlantic Ocean	Suriname (Galibi, Matapica)	227	4,263	8,302	0.069	35.57	16,168	0.069	70.23	31,488	0.069	137.71	TEWG (2007) and references therein; Hiltzman and Goverse (2007); WWF-Suriname, unpublished data
	French Guiana	21,323	22,639	22,917	0.001	0.07	23,199	0.001	0.09	23,484	0.001	0.10	TEWG (2007) and references therein; Girondot <i>et al.</i> (2007); M. Entraygues pers. comm
	Guyana	4	836	2,670	0.123	666.61	8,530	0.123	2131.58	27,249	0.123	6811.17	TEWG (2007) and references therein; DeFreitas and Pritchard (2006, 2007, 2008, 2009, 2010)
	Trinidad (Matura)	17,886	18,425	18,632	0.002	0.04	18,981	0.002	0.06	19,337	0.002	0.08	TEWG (2007) and references therein, Eckert pers. comm
	Tortuguero, Costa Rica	1000	284	129	-0.076	-0.87	59	-0.076	-0.94	27	-0.076	-0.97	Sea Turtle Conservancy pers. comm. (2011)
	Gandoca, Costa Rica	306	232	203	-0.013	-0.34	178	-0.013	-0.42	156	-0.013	-0.49	TEWG (2007) and references therein; Chacon-Chaverri and Eckert (2007); Chacon (2010)
	Pacuare, Costa Rica	845	899	934	0.004	0.11	971	0.004	0.15	1,010	0.004	0.19	TEWG (2007) and references therein; Hart (2010)

Subpopulation	Site	Abundance Estimate three generations ago (No. nests yr ⁻¹)	Abundance Estimate to 2010 (No. nests yr ⁻¹)	Estimate to 2020	Annual Change (through 2020)	3-generation Change (through 2020)	Estimate to 2030	Annual Change (through 2030)	3-generation Change (through 2030)	Estimate to 2040	Annual Change (through 2040) (No. nests yr ⁻¹)	3-generation Change (through 2040) (No. nests yr ⁻¹)	Citations
Northwest Atlantic Ocean subpopulation	Sandy Point, St. Croix, US Virgin Islands	60	695	1,428	0.075	22.81	2,936	0.075	47.93	6,035	0.075	99.58	TEWG (2007) and references therein; Dutton <i>et al.</i> (2005); Garner and Garner pers. comm.
	Culebra, Puerto Rico	138	132	130	-0.002	-0.06	128	-0.002	-0.07	126	-0.001	-0.09	Diez <i>et al.</i> (2012)
	Fajardo, Puerto Rico	6	341	1,716	0.175	285.05	8,638	0.175	1438.75	43,479	0.076	7245.48	Diez <i>et al.</i> (2012)
	Vieques, Puerto Rico	36	104	177	0.054	3.91	300	0.054	7.35	511	0.021	13.18	Diez <i>et al.</i> (2012)
	British Virgin Islands	3	128	161	0.124	52.82	521	0.124	172.80	1,684	0.081	560.25	TEWG (2007) and references therein
	Florida (68 beaches)	59	1,158	2,936	0.097	48.76	7,443	0.097	125.15	18,870	0.049	318.82	TEWG (2007) and references therein; Stewart <i>et al.</i> (2011); Florida Wildlife Commission Fish and Wildlife Research Institute, Statewide Nesting Beach Survey Program Database as of 26 April 2011
	Grenada	265	706	1,721	0.093	5.49	4,193	0.093	14.82	10,219	0.024	37.56	TEWG (2007) and references therein; Lloyd pers. comm
	Northwest Atlantic Ocean subpopulation Total	42,158	50,842	62,058	0.001	0.206	92,247	0.007	1.188	183,673	0.000	3.357	
Southeast Atlantic Ocean	Congo	206	257	314	0.020	0.53	384	0.020	0.87	470	0.005	1.28	Godgenger <i>et al.</i> (2009)
	Bioko Island, Equatorial Guinea	1015	2767	5,400	0.069	4.32	10,537	0.069	9.38	20,563	0.018	8.08	Rader <i>et al.</i> (2006); Tomas <i>et al.</i> (2010); S. Honarvar and Bioko Biodiversity Protection Program, Unpublished data

Subpopulation	Site	Abundance Estimate three generations ago (No. nests yr ⁻¹)	Abundance Estimate to 2010 (No. nests yr ⁻¹)	<u>Estimate to 2020</u>	<u>Annual Change (through 2020)</u>	<u>3-generation Change (through 2020)</u>	<u>Estimate to 2030</u>	<u>Annual Change (through 2030)</u>	<u>3-generation Change (through 2030)</u>	<u>Estimate to 2040</u>	<u>Annual Change (through 2040) (No. nests yr⁻¹)</u>	<u>3-generation Change (through 2040) (No. nests yr⁻¹)</u>	Citations
Southeast Atlantic Ocean subpopulation Total		DD	DD									DD	DD because the majority of abundance in this subpopulation occurs in Gabon, for which trend data are unavailable
Southwest Atlantic Ocean	Brazil	16	53	76	0.041	3.75	113	0.041	6.09	169	0.041	9.57	Thome <i>et al.</i> (2007); Almeida <i>et al.</i> pers. comm.
Southwest Atlantic Ocean subpopulation Total		16	53	76	0.041	3.75	113	0.041	6.09	169	0.041	9.57	
Northeast Indian Ocean	Andaman and Nicobar Islands, India	280	35								-0.069	-0.88	Andrews <i>et al.</i> (2006); Hamann <i>et al.</i> (2006); Namboothri <i>et al.</i> (2010); Nel (2012)
Northeast Indian Ocean subpopulation Total		DD	DD									DD	DD because monitoring was insufficient to derive reliable abundance and trend data

Southwest Indian Ocean	KwaZulu-Natal, South Africa	256	244	241	-0.001	-0.06	239	-0.001	-0.07	236	-0.001	-0.076	Nel (2008, 2012); Nel <i>et al.</i> (2013)
	Mozambique	18	15	13	-0.011	-0.25	12	-0.011	-0.33	11	-0.004	-0.17	Lombard and Kyle (20010)
Southwest Indian Ocean subpopulation Total		274	259	255	-0.002	-0.070	251	-0.001	-0.084	247	-0.001	-0.083	

Subpopulation	Site	Abundance Estimate three generations ago (No. nests yr ⁻¹)	Abundance Estimate to 2010 (No. nests yr ⁻¹)	<u>Estimate to 2020</u>	<u>Annual Change (through 2020)</u>	<u>3-generation Change (through 2020)</u>	<u>Estimate to 2030</u>	<u>Annual Change (through 2030)</u>	<u>3-generation Change (through 2030)</u>	<u>Estimate to 2040</u>	<u>Annual Change (through 2040) (No. nests yr⁻¹)</u>	<u>3-generation Change (through 2040) (No. nests yr⁻¹)</u>	Citations
East Pacific Ocean	Parque Nacional Marino Las Baulas, Costa Rica	8002	409	112	-0.121	-0.95	31	-0.121	-0.99	8	-0.121	-0.999	Spotila <i>et al.</i> (2000); Santidrian Tomillo <i>et al.</i> (2007); M.P. Santidrian Tomillo <i>et al.</i> pers. comm.
	Mexiquillo, Mexico	6693	130	33	-0.127	-1.00	9	-0.127	-1.00	2	-0.127	-1.000	Sarti Martínez <i>et al.</i> (2007); A.L. Sarti Martínez pers. comm.
	Tierra Colorada, Mexico	5000	103	27	-0.125	-0.99	7	-0.125	-1.00	2	-0.125	-1.000	Sarti Martínez <i>et al.</i> (2007); A.L. Sarti Martínez pers. comm.
	Cahuitán, Mexico	6500	130	80	-0.121	-0.99	49	-0.105	-0.99	30	-0.115	-0.995	Sarti Martínez <i>et al.</i> (2007); A.L. Sarti Martínez pers. comm.
	Chacaua, Mexico	2661	24	5	-0.150	-1.00	1	-0.150	-1.00	0	-0.150	-1.000	Sarti Martínez <i>et al.</i> (2007); A.L. Sarti Martínez pers. comm.
	Barra de la Cruz, Mexico	6500	130	52	-0.153	-0.99	21	-0.137	-1.00	8	-0.127	-0.999	Sarti Martínez <i>et al.</i> (2007); A.L. Sarti Martínez pers. comm.
East Pacific Ocean subpopulation Total		35,356	926	310	-0.131	-0.991	118	-0.125	-0.997	52	-0.125	-0.999	

Subpopulation	Site	Abundance Estimate three generations ago (No. nests yr ⁻¹)	Abundance Estimate to 2010 (No. nests yr ⁻¹)	<u>Estimate to 2020</u>	Annual Change (through 2020)	3-generation Change (through 2020)	<u>Estimate to 2030</u>	Annual Change (through 2030)	3-generation Change (through 2030)	<u>Estimate to 2040</u>	Annual Change (through 2040) (No. nests yr ⁻¹)	3-generation Change (through 2040) (No. nests yr ⁻¹)	Citations
West Pacific Ocean	Terengganu, Malaysia	3,822	6	1	-0.136	-1.00	0	-0.136	-1.00	8	-0.199	-1.00	Chan and Liew (1996); Malaysian Fisheries Dept, unpublished data
	Jamursba-Medi, Indonesia	8,892	2,127	1,320	-0.047	-0.85	820	-0.047	-0.91	509	-0.047	-0.943	Hitipeuw <i>et al.</i> (2007); Tapilatu <i>et al.</i> (2013)
	Kamiali, Papua New Guinea	1,562	246	156	-0.104	-0.90	99	-0.085	-0.94	63	-0.075	-0.96	Marine Research Foundation (2007); N.J. Pilcher pers. comm
West Pacific Ocean subpopulation Totals		14,276	2,379	1,478	-0.077	-0.896	919	-0.075	-0.936	572	-0.09	-0.960	
GLOBAL TOTAL		90,559	54,261	64,051	-0.061	-0.294	93,569	-0.056	0.032	184,662	-0.062	1.038	Not Threatened based on Criterion A4

References:

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