

Sea turtles in the South-West Atlantic Region MTSG Annual Regional Report 2018

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INDEX

REGIONAL OVERVIEW	1
1. RMU: <i>Caretta caretta</i> ó Southwest Atlantic	1
1.1 Distribution, abundance, trends	1
1.1.1 Nesting sites.....	1
1.1.2 Marine areas	1
1.2 Other biological data	1
1.3 Threats	1
1.3.1 Nesting sites.....	1
1.3.2 Marine areas	1
1.4 Conservation	1
2 RMU: <i>Dermochelys coriacea</i> - Southwest Atlantic	2
2.1 Distribution, abundance, trends	2
2.1.1 Nesting sites.....	2
2.1.2 Marine areas	2
2.2 Other biological data	2
2.3 Threats	2
2.4 Conservation	2
3 RMU: <i>Chelonia mydas</i> - Southwest Atlantic	2
3.1 Distribution, abundance, trends	2
3.1.1 Nesting sites.....	2
3.1.2 Marine areas	2
3.2 Other biological data	2
3.3 Threats	2
3.3.1 Nesting sites.....	2
3.3.2 Marine areas	3
3.4 Conservation	3
4 RMU: <i>Chelonia mydas</i> - Southcentral Atlantic	3
4.1 Distribution, abundance, trends	3
4.1.1 Nesting sites.....	3
4.1.2 Marine areas	3
4.2 Other biological data	3
4.3 Threats	3
4.3.1 Nesting sites.....	3
4.3.2 Marine areas	3

4.4	Conservation	3
4.5	Research	3
5	RMU: <i>Eretmochelys imbricata</i> ó Southwest Atlantic	3
5.1	Distribution, abundance, trends	3
5.1.1	Nesting sites.....	3
5.1.2	Marine areas	4
5.2	Other biological data	4
5.3	Threats	4
5.4	Conservation	4
6	RMU: <i>Lepidochelys olivacea</i> - West Atlantic	4
6.1	Distribution, abundance, trends	4
6.1.1	Nesting sites.....	4
6.1.2	Marine areas	4
6.1.3	Other biological data	4
6.2	Threats	4
6.3	Conservation	5
	Table 1.	6
	Figures	13
	ARGENTINA	23
1	RMU: <i>Caretta caretta</i> ó Southwest Atlantic	23
1.1	Distribution, abundance, trends	23
1.1.1	Marine áreas	23
1.2	Other biological data	23
1.3	Threats	23
1.3.1	Marine areas	23
1.4	Conservation	23
2	RMU: <i>Dermochelys coriacea</i> - Southwest Atlantic	23
2.1	Distribution, abundance, trends	23
2.1.1	Marine áreas	23
2.2	Other biological data	23
2.3	Threats	23
2.4	Conservation	23
3	RMU: <i>Chelonia mydas</i> - Southwest Atlantic	23
3.1	Distribution, abundance, trends	23
3.1.1	Marine áreas	23
3.2	Other biological data	24
3.3	Threats	24
3.4	Conservation	24

BRAZIL	36
1 RMU: <i>Caretta caretta</i> ó Southwest Atlantic	36
1.1 Distribution, abundance, trends	36
1.1.1 Nesting sites	36
1.1.2 Marine areas	36
1.2 Other biological data	36
1.3 Threats	36
1.3.1 Nesting sites	36
1.3.2 Marine areas	36
1.4 Conservation	37
1.5 Research	37
2 RMU: <i>Dermochelys coriacea</i> - Southwest Atlantic	37
2.1 Distribution, abundance, trends	37
2.1.1 Nesting sites	37
2.1.2 Marine areas	37
2.2 Other biological data	37
2.3 Threats	37
2.4 Conservation	37
2.5 Research	37
3 RMU: <i>Chelonia mydas</i> - Southwest Atlantic	37
3.1 Distribution, abundance, trends	37
3.1.1 Nesting sites	38
3.1.2 Marine areas	38
3.2 Other biological data	38
3.3 Threats	38
3.3.1 Nesting sites	38
3.3.2 Marine areas	38
3.4 Conservation	38
3.5 Research	38
4 RMU: <i>Eretmochelys imbricata</i> ó Southwest Atlantic	38
4.1 Distribution, abundance, trends	38
4.1.1 Nesting sites	38
4.1.2 Marine areas	38
4.2 Other biological data	39
4.3 Threats	39
4.4 Conservation	39
4.5 Research	39
5 RMU: <i>Lepidochelys olivacea</i> - West Atlantic	39

5.1	Distribution, abundance, trends	39
5.1.1	Nesting sites.....	39
5.1.2	Marine areas	39
5.2	Other biological data	39
5.3	Threats	39
5.4	Conservation	39
5.5	Research	40
URUGUAY.....		98
1	RMU: <i>Caretta caretta</i> ó Southwest Atlantic.....	99
1.1	Distribution, abundance, trends	99
1.1.1	Nesting sites.....	99
1.1.2	Marine áreas	99
1.2	Other biological data	99
1.3	Threats	99
1.3.1	Nesting sites.....	99
1.3.2	Marine areas	99
1.4	Conservation	99
1.5	Research	99
2	RMU: <i>Dermochelys coriacea</i> - Southwest Atlantic.....	99
2.1	Distribution, abundance, trends	99
2.1.1	Nesting sites.....	99
2.1.2	Marine áreas	99
2.2	Other biological data	99
2.3	Threats	100
2.3.1	Nesting sites.....	100
2.3.2	Marine areas	100
2.4	Conservation	100
2.5	Research	100
3	RMU: <i>Chelonia mydas</i> - Southwest Atlantic	100
3.1	Distribution, abundance, trends	100
3.1.1	Nesting sites.....	100
3.1.2	Marine areas	100
3.2	Other biological data	100
3.3	Threats	100
3.3.1	Nesting sites.....	100
3.3.2	Marine areas	100
3.4	Conservation	100
3.5	Research	100

4	RMU: <i>Chelonia mydas</i> - Southcentral Atlantic	101
4.1	Distribution, abundance, trends	101
4.1.1	Nesting sites	101
4.1.2	Marine areas	101
4.2	Other biological data	101
4.3	Threats	101
4.3.1	Nesting sites	101
4.3.2	Marine areas	101
4.4	Conservation	101
4.5	Research	101
5	RMU: <i>Eretmochelys imbricata</i> ó Southwest Atlantic	101
5.1	Distribution, abundance, trends	101
5.1.1	Nesting sites	101
5.1.2	Marine áreas	101
5.2	Other biological data	101
5.3	Threats	101
5.3.1	Nesting sites	101
5.3.2	Marine areas	101
5.4	Conservation	102
5.5	Research	102
6	RMU: <i>Lepidochelys olivacea</i> - West Atlantic	102
6.1	Distribution, abundance, trends	102
6.1.1	Nesting sites	102
6.1.2	Marine áreas	102
6.2	Other biological data	102
6.3	Threats	102
6.3.1	Nesting sites	102
6.3.2	Marine areas	102
6.4	Conservation	102
6.5	Research	102

REGIONAL OVERVIEW

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1. RMU: *Caretta caretta* ó Southwest Atlantic

1.1 Distribution, abundance, trends

1.1.1 Nesting sites

All the rookeries are located in Brazil. There are 22 nesting sites (Table 1- Main Table; Fig. 1) for the South-West Atlantic subpopulation, 13 of them are classified as õmajorõ nesting sites and 9 are as õminorõ nesting sites, according to the Table 1 (Main Table). For abundance indexes (e.g. nests, females) please see Table 1 ó Main Table. The most recent year for abundance data published across all rookeries was 2013. All except for one nesting site has shown a 70% increase in the number of nests between 2008 - 2013. (BR Table R # 68).

1.1.2 Marine areas

Identified foraging grounds and migratory corridors of loggerhead nesting females tagged in Praia do Forte, Bahia are shown in Fig. 2 (BR Table R # 78). Movement paths and pelagic foraging areas of immature loggerheads satellite-tagged in Elevação do Rio Grande in the SW Atlantic are displayed in Fig. 3 (BR Table R # 1). Dispersal patterns and migratory routes of oceanic stage of yearling loggerhead turtles satellite-tagged in Praia do Forte are shown in Fig. 4 (BR Table R # 82).

1.2 Other biological data

Please see Table 1- Main Table.

1.3 Threats

1.3.1 Nesting sites

Please see Table 1- Main Table.

1.3.2 Marine areas

Please see Table 1- Main Table.

1.4 Conservation

Protection status: see Table 1 ó Main Table for national laws and Table 3 in the country chapters for international conventions. National laws for sea turtle protection are available in Brazil, Argentina and Uruguay. See Table R in the country chapters (BR #190; AR #21; UR #6,7). Long-term governmental and non-governmental programs are listed in Table 4 for each country chapter.

2 RMU: *Dermochelys coriacea* - Southwest Atlantic

2.1 Distribution, abundance, trends

2.1.1 Nesting sites

There are 5 nesting sites, hosting a small population (see Table 1- Main Table). Four among these 5 areas are considered priority nesting beaches in Brazil (BR Table 2; Fig. 1). Even though they are classified as "minor" nesting sites according to the Main Table, they are the only regular nesting areas for the region. Between 1995-1996 and 2003-2004, the annual number of nests increased at about 20.4% per year on average (BR Table R #122).

2.1.2 Marine areas

Movements of satellite tracking leatherbacks tagged in nesting areas (Gabon and Brazil) and on the foraging grounds in the SWA are shown in Fig 5.

2.2 Other biological data

Please see Table 1- Main Table.

2.3 Threats

Please see Table 1- Main Table.

2.4 Conservation

Protection status: see Table 1 ó Main Table for national laws and Table 3 in the country chapters for international conventions. National laws for sea turtle protection are available in Brazil, Argentina and Uruguay. See Table R in the country chapters (BR #190; AR #21; UR #6,7). Long-term governmental and non-governmental programs are listed in Table 4 for each country chapter.

3 RMU: *Chelonia mydas* - Southwest Atlantic

3.1 Distribution, abundance, trends

3.1.1 Nesting sites

There are 11 nesting sites (Table 1 ó Main Table; Fig. 1). The three main nesting areas of this RMU are located on oceanic islands. For abundance indexes (e.g. nests or nesting females per year) please see Table 1- Main Table. In Trindade Island, the population remained stable between 1991 and 2008 (BR Table R #101). The average annual number of nests in the Biological Reserve of Atol das Rocas was approximately the same when comparing the two five-year periods 1990-1994 and 2004-2008 (BR Table R # 92).

3.1.2 Marine areas

Brazil, Argentina and Uruguay host important mixed stock feeding grounds for juvenile, sub-adults and adults green turtles (BR Table R # 163) (UR Table R # 34, 33).

3.2 Other biological data

Please see Table 1- Main Table.

3.3 Threats

3.3.1 Nesting sites

Please see Table 1- Main Table.

3.3.2 Marine areas

Please see Table 1- Main Table.

3.4 Conservation

Protection status: see Table 1 ó Main Table for national laws and Table 3 in the country chapters for international conventions. National laws for sea turtle protection are available in Brazil, Argentina and Uruguay. See Table R in the country chapters (BR #190; AR #21; UR #6,7). Long-term governmental and non-governmental programs are listed in Table 4 for each country chapter.

4 RMU: *Chelonia mydas* - Southcentral Atlantic

4.1 Distribution, abundance, trends

4.1.1 Nesting sites

Not apply.

4.1.2 Marine areas

Movement paths and foraging areas of immature green turtles in the SW Atlantic are displayed in Fig. 10 (UR # 34), while distribution of strandings of immature green turtles are showed in Fig. 2 the high concentrations of stranding reflects the coastal foraging areas (UR # 33).

4.2 Other biological data

Please see Table 1.

4.3 Threats

4.3.1 Nesting sites

Not apply.

4.3.2 Marine areas

Please see Table 1

4.4 Conservation

Protection status: see Table 1 for national laws (UR # 6,7).

4.5 Research

Key knowledge gaps about currently bycatch numbers by artisanal and industrial Uruguayan fleet and other international fleet operating in the area.

5 RMU: *Eretmochelys imbricata* ó Southwest Atlantic

5.1 Distribution, abundance, trends

5.1.1 Nesting sites

There are 15 nesting sites (Table 1 ó Main Table; Fig. 1). The five main nesting areas are located in the northeast of Bahia and Rio Grande do Norte. For abundance indexes (e.g. nests or nesting females per year) please see Table 1- Main Table. All index nesting sites have positive trends (BR Table R # 135;124).

5.1.2 Marine areas

Identified foraging grounds and migratory corridors of hawksbill nesting females tagged in Bahia are shown in Fig. 6 (BR Table R # 78) and Fig. 7 (BR Table R#65). Reported feeding areas are: the Fernando de Noronha National Marine Park, Abrolhos National Marine Park, Biological Reserve of Atol das Rocas and Ilha do Arvoredo. Juveniles tagged in Atol das Rocas were later recorded nesting in Bahia, Brazil (Itacimirim and Ilhéus), Rio Grande do Norte (Pipa) and in Barbados (BR Table R#74; Fig. 8). Records for this specie in Uruguayan waters are rare and sparse. (UR Table R # 33).

5.2 Other biological data

Please see Table 1- Main Table.

5.3 Threats

Please see Table 1- Main Table.

5.4 Conservation

Protection status: see Table 1 ó Main Table for national laws and Table 3 in the country chapters for international conventions. National laws for sea turtle protection are available in Brazil, Argentina and Uruguay. See Table R in the country chapters (BR #190; AR #21; UR #6,7). Long-term governmental and non-governmental programs are listed in Table 4 for each country chapter.

6 RMU: *Lepidochelys olivacea* - West Atlantic

6.1 Distribution, abundance, trends

6.1.1 Nesting sites

There are 18 olive ridley nesting sites (Table 1 ó Main Table; Fig. 1), nine of them are classified as õmajorõ nesting areas, according to Table 1 ó Main Table. For abundance indexes (e.g. nests or nesting females per year) please see Table 1 ó Main Table. The most recent year for abundance data published across all rookeries (13 nesting sites) was 2013. All index nesting sites have positive trends (BR Table R # 129;136).

6.1.2 Marine areas

Feeding grounds are situated off the coast of the states of Pará, Rio Grande do Norte, Pernambuco, Alagoas, and Espírito Santo, and migration to oceanic waters was identified (BR Table R# 83; Fig. 9). In recent studies, oceanic foraging areas were identified off Cabo Verde, Senegal, Gambia, Guinea-Bissau and Sierra Leone in northwestern Africa. (BR Table R#73). Records for this specie in Uruguayan waters are rare and sparse. (UR Table R # 15, 33).

6.1.3 Other biological data

Please see Table 1.

6.2 Threats

Please see Table 1- Main Table.

6.3 Conservation

Protection status: see Table 1 ó Main Table for national laws and Table 3 in the country chapters for international conventions. National laws for sea turtle protection are available in Brazil, Argentina and Uruguay. See Table R in the country chapters (BR #190; AR #21; UR #6,7). Long-term governmental and non-governmental programs are listed in Table 4 for each country chapter.

Table 1.

RMU (all RMUs of all species occurring in a Country or Region) add or remove columns on the right according to the RMUs	CC-SW ATL	Country Chapters from which the info is taken	DC-SW ATL	Country Chapters from which the info is taken	CM-SW ATL	Country Chapters from which the info is taken	EI-SW ATL	Country Chapters from which the info is taken	LO-SW ATL	Country Chapters from which the info is taken
Occurrence										
Nesting sites	22	Brazil	Y	Brazil	Y	Brazil	Y	Brazil	Y	Brazil
Pelagic foraging grounds	Y	Brazil, Argentina, Uruguay	Y	Brazil, Argentina, Uruguay	Y	Brazil, Argentina, Uruguay	N	Brazil	Y	Brazil
Benthic foraging grounds	Y	Brazil, Argentina, Uruguay	Y	Brazil, Uruguay	Y	Brazil, Uruguay	Y	Brazil	Y	Brazil
Key biological data										
Nests/yr: recent average (range of years)										
Nests/yr: recent order of magnitude										
Number of "major" sites (>20 nests/yr AND >10 nests/km yr)	13	Brazil	0	Brazil	2	Brazil	5	Brazil	8	Brazil

Nesting success (Nests/ Tot emergence tracks) (N)										
Trends										
Recent trends (last 20 yrs) at nesting sites (range of years)	up	Brazil	up	Brazil	stable	Brazil	up	Brazil	up	Brazil
Recent trends (last 20 yrs) at foraging grounds (range of years)	N	Brazil	N	Brazil	up	Brazil	N	Brazil	N	Brazil
Oldest documented abundance: nests/yr (range of years)										
Published studies										
Growth rates	Y	Brazil, Uruguay	Y	Uruguay	Y	Brazil, Uruguay	Y	Brazil	Y	Brazil
Genetics	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil	Y	Brazil
Stocks defined by genetic markers	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil	Y	Brazil
Origin of mixed stocks	Y	Brazil	Y	Brazil	Y	Brazil	Y	Brazil	N	Brazil

Remote tracking (satellite or other)	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil	Y	Brazil
Survival rates	N	Brazil, Uruguay, Argentina	N	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay	N	Brazil	N	Brazil
Population dynamics	Y	Uruguay	N	Uruguay	Y	Brazil, Uruguay	Y	Brazil	N	Brazil
Foraging ecology (diet or isotopes)	Y	Brazil, Uruguay	Y	Brazil, Uruguay	Y	Brazil, Uruguay, Argentina	Y	Brazil	Y	Brazil
Capture-Mark-Recapture	Y	Brazil, Uruguay	Y	Brazil, Argentina	Y	Brazil, Uruguay	Y	Brazil	Y	Brazil
Threats										
Bycatch: presence of small scale / artisanal fisheries?	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y (SN; PN; OTH (corrals))	Brazil	Y (SN; OTH (corrals))	Brazil
Bycatch: presence of industrial fisheries?	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y (SN)	Brazil	Y (PLL; ST)	Brazil
Bycatch: quantified?	Y	Brazil, Uruguay	Y	Brazil, Uruguay	Y	Brazil, Uruguay	Y	Brazil	Y (PLL)	Brazil
Take. Intentional killing or exploitation of turtles	N	Brazil, Uruguay, Argentina	N	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay	Y	Brazil	N	Brazil
Take. Egg poaching	Y	Brazil	N	Brazil	Y	Brazil	Y	Brazil	Y	Brazil
Coastal Development.	Y	Brazil	Y	Brazil	Y	Brazil	Y	Brazil	Y	Brazil

Nesting habitat degradation										
Coastal Development. Photopollution	Y	Brazil	Y	Brazil	Y	Brazil	Y	Brazil	Y	Brazil
Coastal Development. Boat strikes	N	Brazil, Uruguay, Argentina	N	Brazil, Uruguay, Argentina	Y	Uruguay	N	Brazil	N	Brazil
Egg predation	Y	Brazil	N	Brazil	Y	Brazil	Y	Brazil	Y	Brazil
Pollution (debris, chemical)	Y	Brazil	Y	Brazil	Y	Brazil	N	Brazil	N	Brazil
Pathogens	Y	Brazil	N	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay	Y	Brazil	Y	Brazil
Climate change	Y	Brazil	N	Brazil, Uruguay, Argentina	N	Brazil, Uruguay, Argentina	Y	Brazil	N	Brazil
Foraging habitat degradation	N	Brazil, Uruguay, Argentina	N	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay	N	Brazil	N	Brazil
Other	Y	Brazil, Argentina	Y	Brazil, Uruguay	Y	Brazil, Uruguay	N	Brazil	Y	Brazil
Long-term projects (>5yrs)										
Monitoring at nesting sites (period: range of years)	Y (1982-ongoing)	Brazil	Y (1982-ongoing)	Brazil	Y (1982-ongoing)	Brazil	Y (1982-ongoing)	Brazil	Y (1982-ongoing)	Brazil
Number of index nesting sites	6	Brazil	2	Brazil	2	Brazil	5	Brazil	3	Brazil

Monitoring at foraging sites (period: range of years)	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil	Y	Brazil
Conservation										
Protection under national law	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil, Uruguay, Argentina	Y	Brazil	Y	Brazil
Number of protected nesting sites (habitat preservation) (% nests)	100%	Brazil	100%	Brazil	100%	Brazil	100%	Brazil	100%	Brazil
Number of Marine Areas with mitigation of threats	0	Brazil, Uruguay, Argentina	0	Brazil, Uruguay, Argentina	2	Uruguay	0	Brazil	0	Brazil
N of long-term conservation projects (period: range of years)	>1 (1982-ongoing)	Brazil	>1 (1982-ongoing)	Brazil	>1 (1981-ongoing)	Brazil	>1 (1982-ongoing)	Brazil	>1 (1982-ongoing)	Brazil
In-situ nest protection (eg cages)	Y	Brazil	Y	Brazil	N	Brazil	Y	Brazil	Y	Brazil
Hatcheries	Y	Brazil	Y	Brazil	N	Brazil	Y	Brazil	Y	Brazil
Head-starting	N	Brazil	N	Brazil	N	Brazil	N	Brazil	N	Brazil
By-catch: fishing gear modifications (eg, TED, circle hooks)	Y	Brazil, Uruguay	Y	Brazil, Uruguay]	N	Brazil, Uruguay, Argentina	N	Brazil	N	Brazil
By-catch: onboard best practices	Y	Uruguay, Argentina	Y	Argentina	Y	Argentina	N	Brazil	N	Brazil

Figures

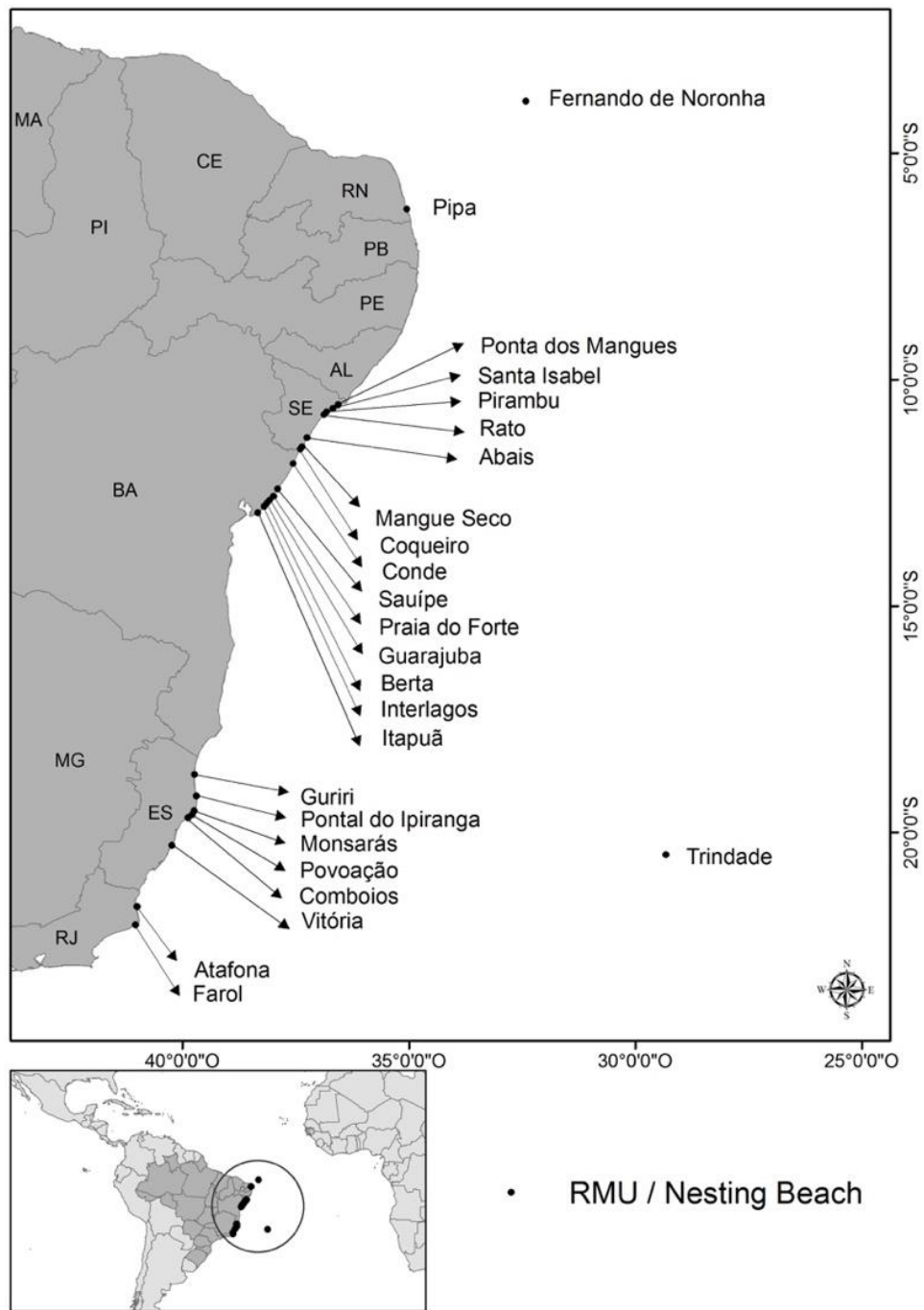


Figure 1. Brazilian Nesting Sites

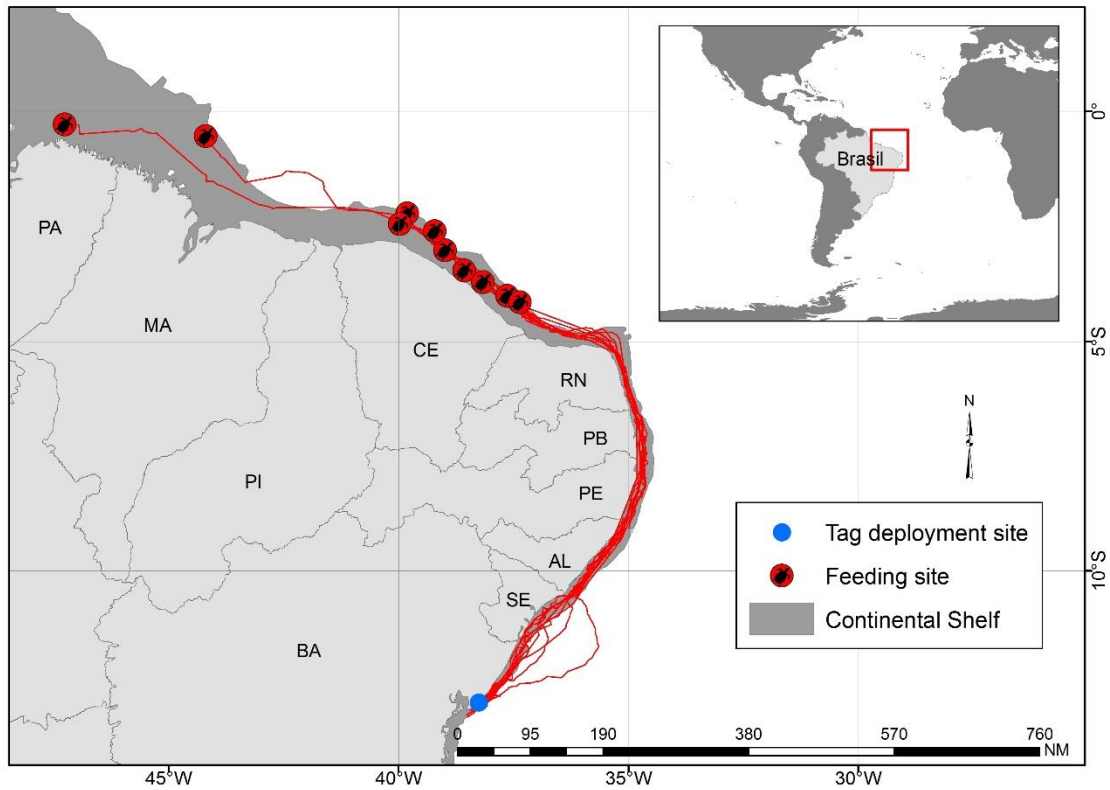


Figure 2. Post-nesting migrations and feeding grounds of 10 loggerhead female turtles satellite-tracked from nesting beaches along the northern coast of Bahia, Brazil (BR Table R #78)

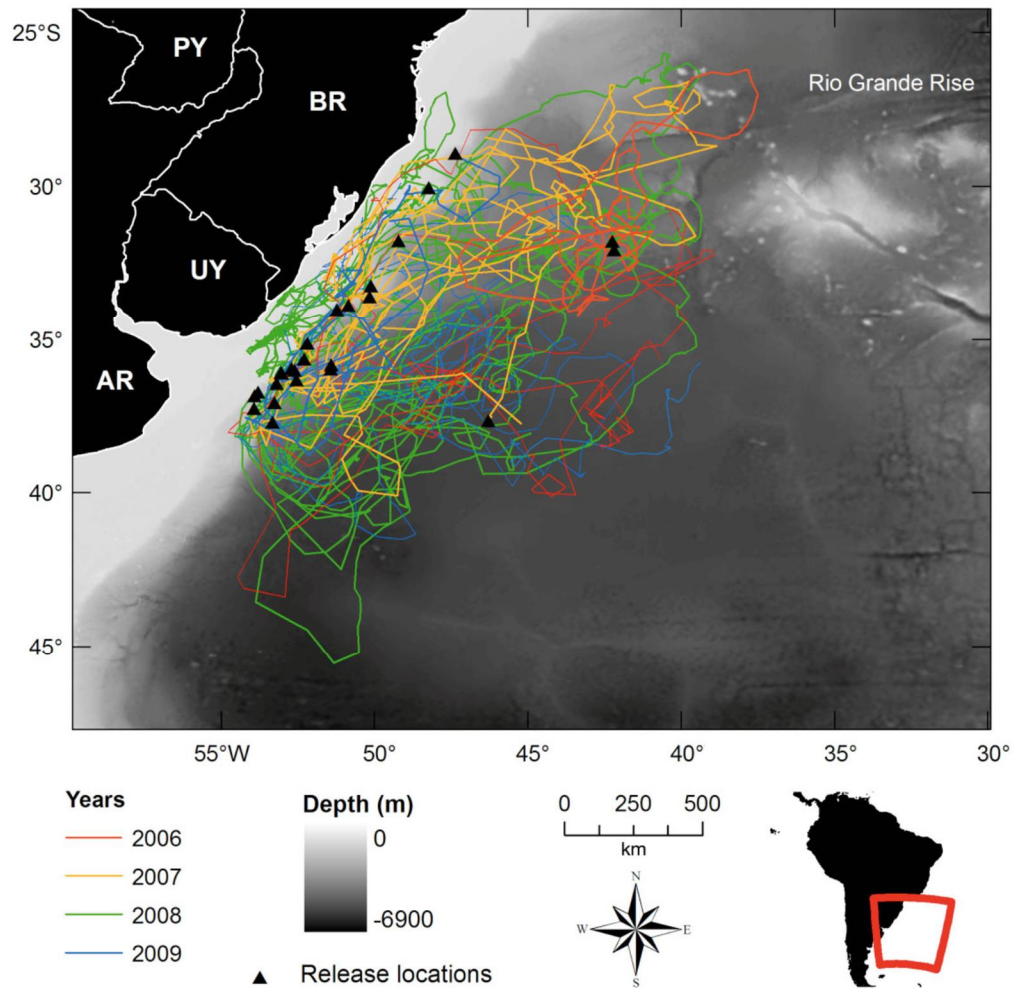


Figure 3. Movement paths of 26 immature loggerheads in the SW Atlantic Ocean between 2006 and 2010. (BR Table R #1)

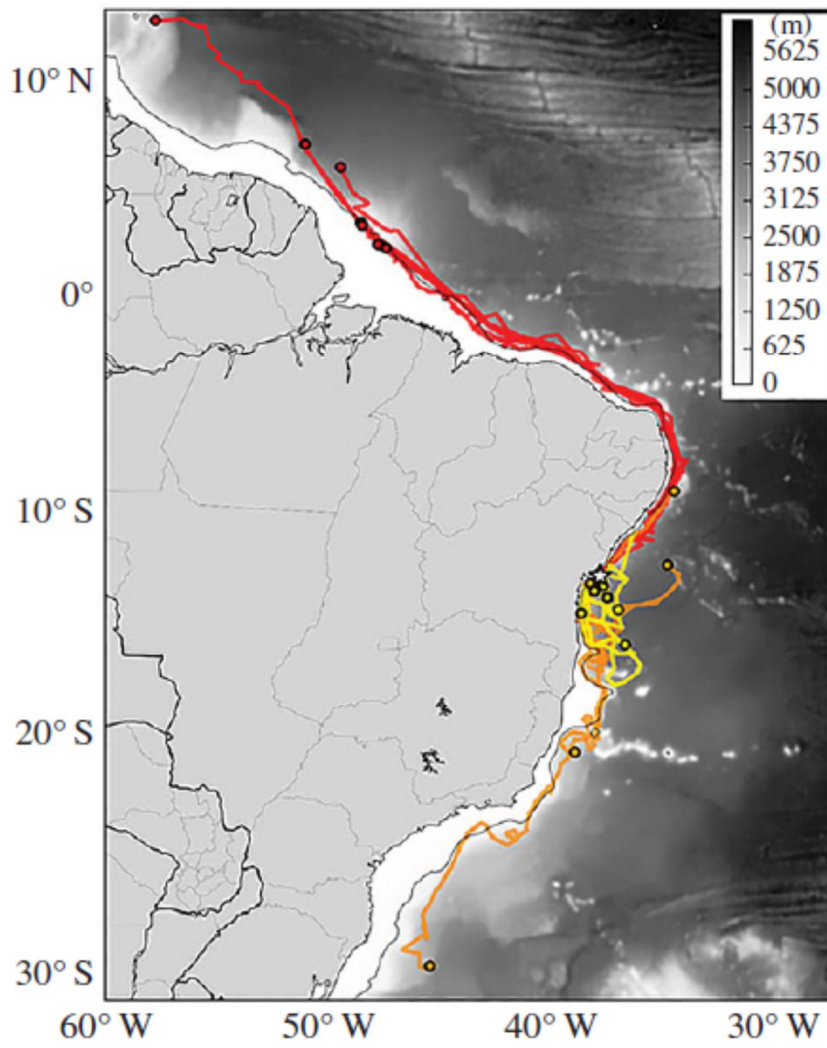


Figure 4. Satellite tracks of 19 yearling loggerhead sea turtles released from Praia do Forte, Bahia, Brazil. (BR Table R #82)

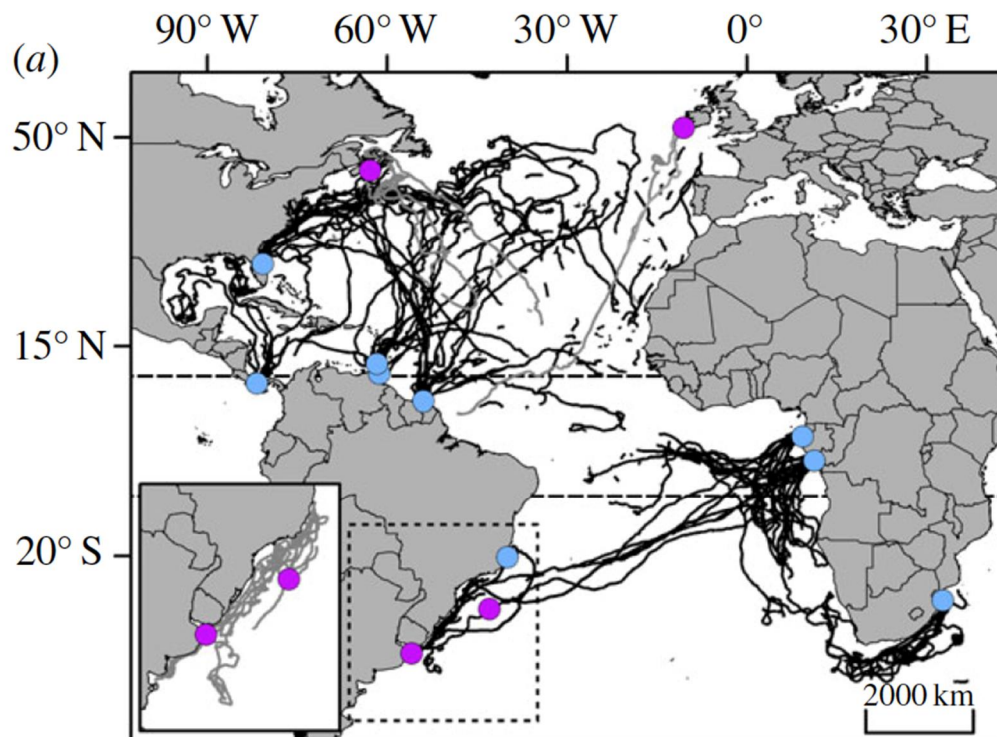


Figure 5. Movements of satellite-tracked leatherbacks during their migration in the Atlantic Ocean, between 1995 and 2010. Black lines: movements of females tagged on the nesting beach. Grey lines: movements of individuals tagged near presumed foraging grounds; Blue dots: deployment from a nesting site; Purple dots: deployment at. Inset: movements of six individuals tagged on their foraging grounds in the southwestern Atlantic. (BR Table R #82; AR Table R #5; UR Table R #13)

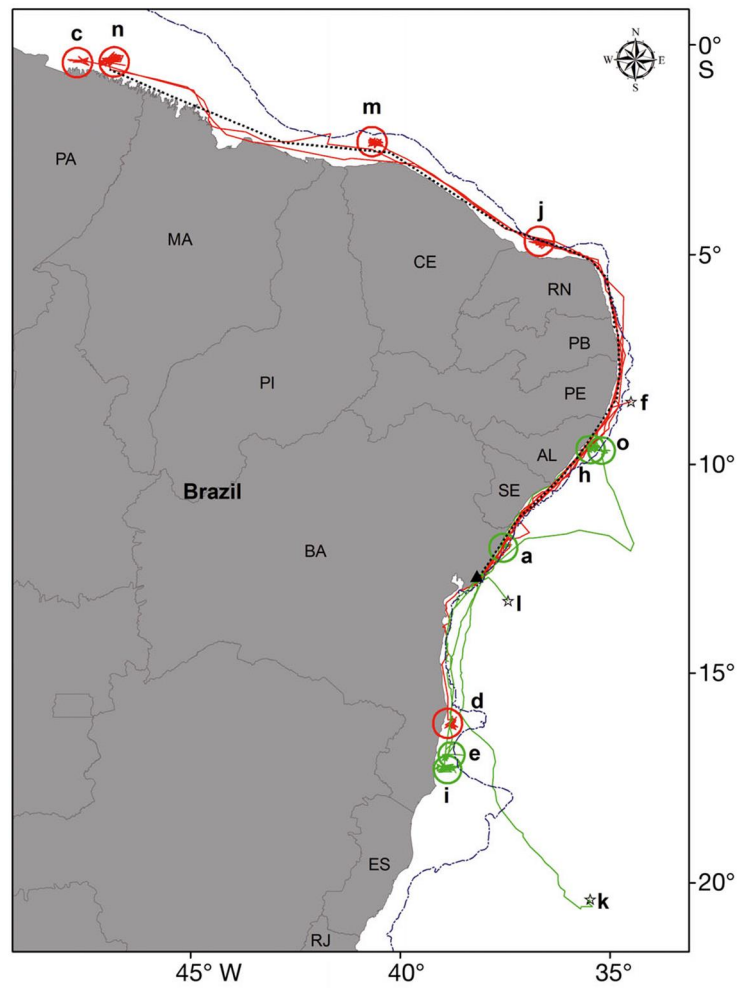


Figure 6. Migratory paths and foraging areas of hawksbill turtles satellite-tracked from nesting grounds in northern Bahia, Brazil (n = 15). Lower case letters: individual turtles; circles: foraging areas (green: hawksbills; red: hawksbill-loggerhead hybrids. (BR Table R #81)

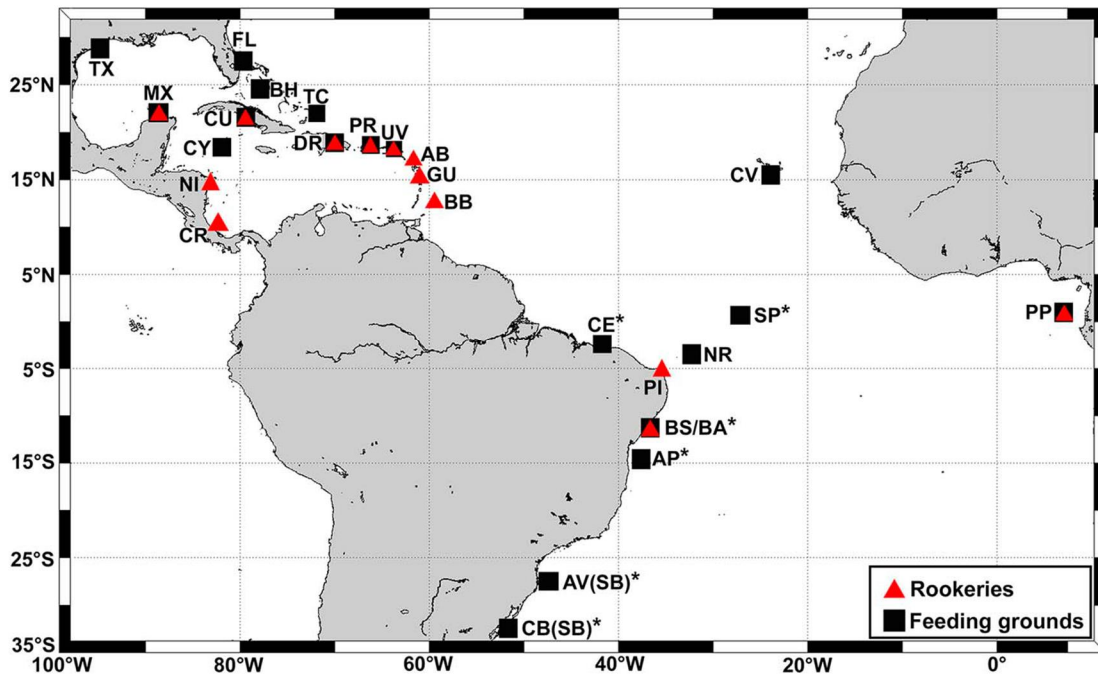


Figure 7. Locations of genetically described hawksbill populations in the Atlantic, rookeries (red triangles) and feeding grounds (black squares). (BR Table R #65)

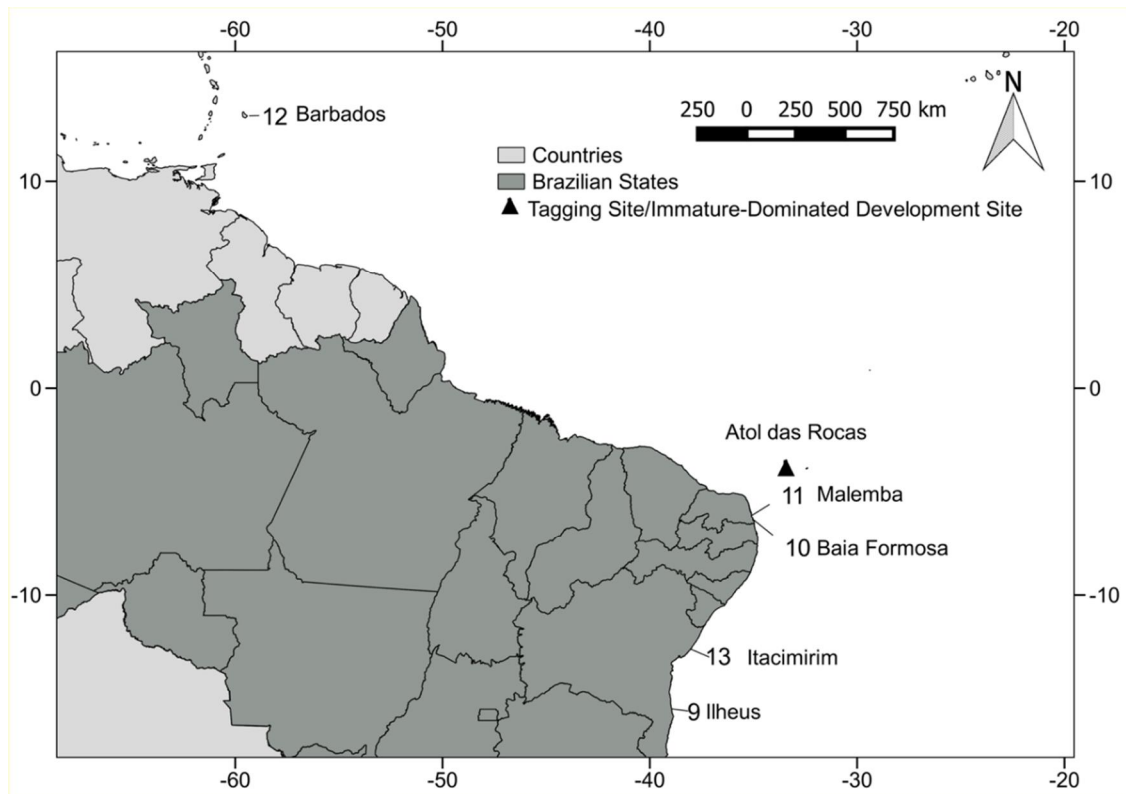


Figure 8. Nesting beach locations for five hawksbills (*Eretmochelys imbricata*) originally tagged as juveniles in Atol das Rocas, Brazil. Numbers correspond to nesting beaches. (BR Table R #74)

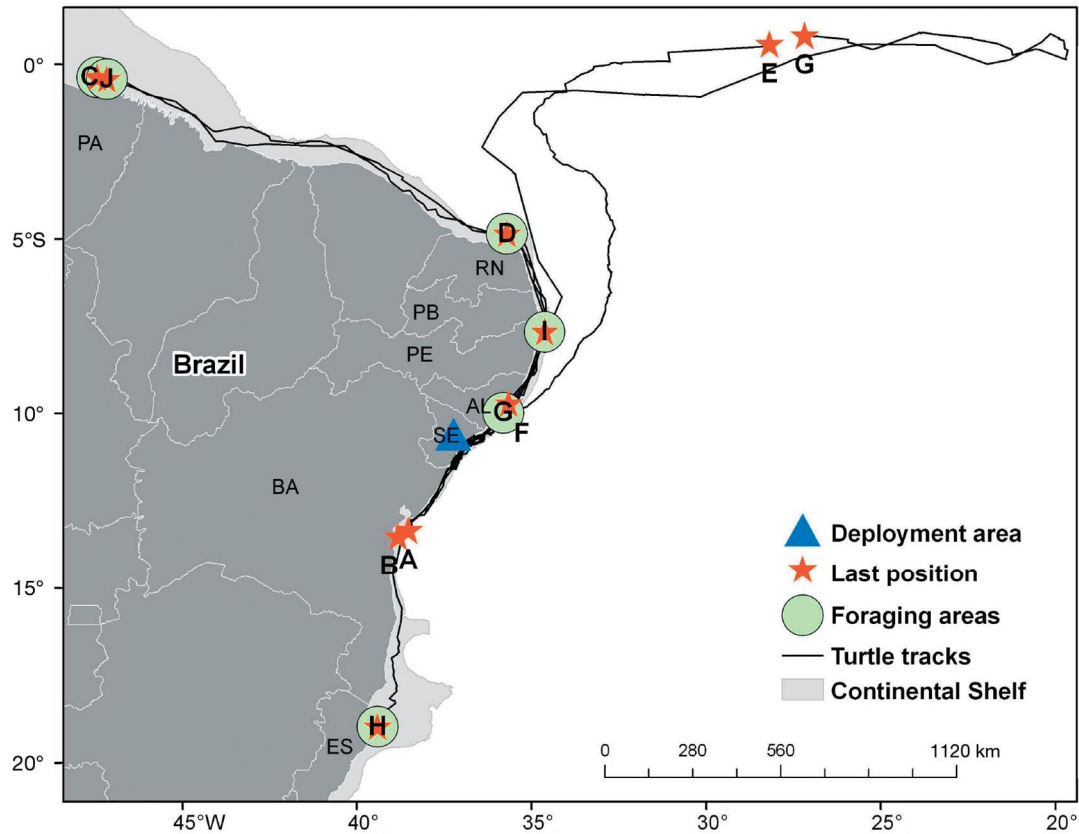


Figure 9. Post-nesting movements of olive ridley turtles satellite tracked from their nesting grounds in Sergipe. (BR Table R #83)

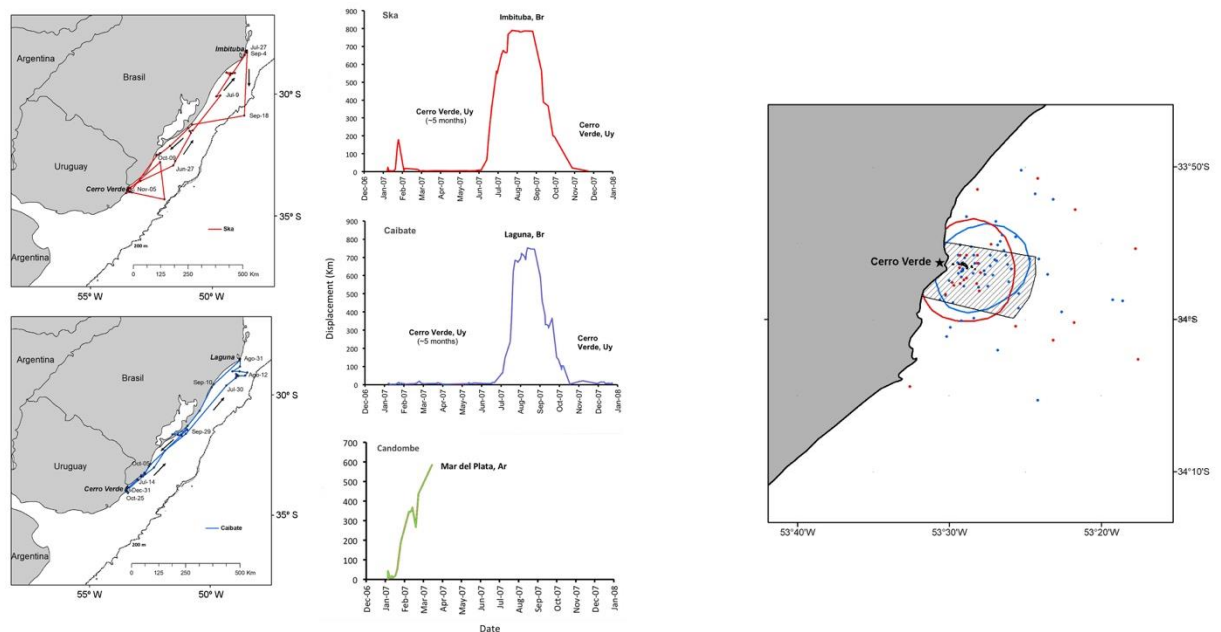


Figure 10. Displacement from released site plot of the three tracked green turtle. The left panels (A and B) show the tracks of those turtles that performed a round-trip migration between summer and winter foraging areas in Uruguay and Brazil respectively. The three

right panels (C, D and E) show distance to the release point through time. Phases of migration are represented by rapid changes in displacement distance; summer and winter foraging areas are revealed by plateaus. Left panels: Right Panel: Turtle's positions and core-use areas (50% KDE contours) for the two green turtles that remained for several months at the CMPA of Cerro Verde and Coronilla islands. Taken from Vélez-Rubio et al. 2018.

ARGENTINA

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1 RMU: *Caretta caretta* ó Southwest Atlantic

1.1 Distribution, abundance, trends

1.1.1 Marine áreas

Movement paths and pelagic foraging areas of immature loggerheads in Argentinian waters Fig. 1 (Table 1).

1.2 Other biological data

Please see Table 1.

1.3 Threats

1.3.1 Marine areas

Please see Table 1.

1.4 Conservation

Protection status: see Table 1 for national laws and Table 2 for international conventions. The PRICTMA (Programa Regional de Investigación y Conservación de Tortugas Marinas) has been working on monitoring and conservation since 2003.

2 RMU: *Dermochelys coriacea* - Southwest Atlantic

2.1 Distribution, abundance, trends

2.1.1 Marine áreas

Movement paths and pelagic foraging areas of adults leatherbacks in Argentina waters Fig. 2 (Table 1).

2.2 Other biological data

Please see Table 1.

2.3 Threats

Please see Table 1.

2.4 Conservation

Protection status: see Table 1 for national laws and Table 2 for international conventions. The PRICTMA (Programa Regional de Investigación y conservación de Tortugas Marinas) has been working on monitoring and conservation since 2003.

3 RMU: *Chelonia mydas* - Southwest Atlantic

3.1 Distribution, abundance, trends

3.1.1 Marine áreas

Movement paths and pelagic foraging areas of immature green turtle in Argentina waters Fig. 3 (Table 1).

3.2 Other biological data

Please see Table 1.

3.3 Threats

Please see Table 1.

3.4 Conservation

Protection status: see Table 1 for national laws and Table 2 for international conventions. The PRICTMA (Programa Regional de Investigación y Conservación de Tortugas Marinas) has been working on monitoring and conservation since 2003.

Tables:

Table 1

RMU	CC-NW IND	Ref #	CM-NW IND	Ref #	DC-SW IND	Ref #
Occurrence						
Nesting sites	N	0	N		n/a	0
Pelagic foraging grounds	JA	1, 6,7,11,15	J	1,7, 10,11,15	A	1,2,4,7,11, 12,15
Benthic foraging grounds	Y	3	n/a		n/a	
Key biological data						
Nests/yr: recent average (range of years)	n/a		n/a		n/a	
Nests/yr: recent order of magnitude	n/a		n/a		n/a	
Number of "major" sites (>20 nests/yr AND >10 nests/km yr)	n/a		n/a		n/a	
Number of "minor" sites (<20 nests/yr OR <10 nests/km yr)	n/a		n/a		n/a	
Nests/yr at "major" sites: recent average (range of years)	n/a		n/a		n/a	
Nests/yr at "minor" sites: recent average (range of years)	n/a		n/a		n/a	
Total length of nesting sites (km)	n/a		n/a		n/a	
Nesting females / yr	n/a		n/a		n/a	
Nests / female season (N)	n/a		n/a		n/a	
Female remigration interval (yrs) (N)	n/a		n/a		n/a	
Sex ratio: Hatchlings (F / Tot) (N)	n/a		n/a		n/a	
Sex ratio: Immatures (F / Tot) (N)	n/a		n/a		n/a	
Sex ratio: Adults (F / Tot) (N)	n/a		n/a		n/a	

Min adult size, CCL or SCL (cm)	n/a		n/a		n/a	
Age at maturity (yrs)	n/a		n/a		n/a	
Clutch size (n eggs) (N)	n/a		n/a		n/a	
Emergence success (hatchlings/egg) (N)	n/a		n/a		n/a	
Nesting success (Nests/ Tot emergence tracks) (N)	n/a		n/a		n/a	
Trends						
Recent trends (last 20 yrs) at nesting sites (range of years)	n/a		n/a		n/a	
Recent trends (last 20 yrs) at foraging grounds (range of years)	n/a		n/a		n/a	
Oldest documented abundance: nests/yr (range of years)	n/a		n/a		n/a	
Published studies						
Growth rates	N		N		N	
Genetics	Y	17	Y	19	Y	18
Stocks defined by genetic markers	Y	17	Y	19	Y	18
Remote tracking (satellite or other)	Y	6,7	Y	7,1	Y	7,4,12
Survival rates	N		N		N	
Population dynamics	N		N		N	
Foraging ecology (diet or isotopes)	N		Y	9	N	
Capture-Mark-Recapture	N		N		Y	2
Threats						
Bycatch: presence of small scale / artisanal fisheries?	Y (DN,SN)	3,11,13	Y	3,11	Y	3,11,13
Bycatch: presence of industrial fisheries?	Y (PT,MT)	3,11, 13	Y (PT,MT)	3,11	Y (DLL, MT, PT)	3,5, 11,13,16,20
Bycatch: quantified?	N	0	N		N	
Take. Intentional killing or exploitation of turtles	N		N		N	
Take. Egg poaching	n/a		n/a		n/a	

Coastal Development. Nesting habitat degradation	n/a		n/a		n/a	
Coastal Development. Photopollution	n/a		n/a		n/a	
Coastal Development. Boat strikes	N		N		N	
Egg predation	n/a		n/a		n/a	
Pollution (debris, chemical)	Y	13,14,15	Y	8,14,15	N	
Pathogens	N		N		N	
Climate change	N		N		N	
Foraging habitat degradation	N		N		N	
Other	Y (see text)		N		N	
Long-term projects						
Monitoring at nesting sites	n/a		n/a		n/a	
Number of index nesting sites	n/a		n/a		n/a	
Monitoring at foraging sites	Y	1,11,15	Y	1,11,15	Y	1,11,15
Conservation						
Protection under national law	Y	21	Y	21	Y	21
Number of protected nesting sites (habitat preservation)	0		0		0	
Number of Marine Areas with mitigation of threats	0		0		0	
Long-term conservation projects (number)	0		0		0	
In-situ nest protection (eg cages)	n/a		n/a		n/a	
Hatcheries	n/a		n/a		n/a	
Head-starting	N		n/a		n/a	
By-catch: fishing gear modifications (eg, TED, circle hooks)	N		N		N	
By-catch: onboard best practices	Y		Y		Y	
By-catch: spatio-temporal closures/reduction	Y (see text)		Y (see text)		Y (see text)	
Other	N		N		N	

Table 2

International Conventions	Signed	Binding	Compliance measured and reported	Species	Conservation actions	Relevance to sea turtles
Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) (National Law 22.344/82)	Y	Y	Y	CM, CC y DC		
Convention on the Conservation of Migratory Species of Wild Animals (CMS) (National Law 23.918/91)	Y	Y	Y	CM, CC y DC		
Ramsar Convention (Ramsar, 1971) (National Law 23.919/91 and 25.335/00)	Y	Y	Y	CM, CC y DC		
International Convention for the Prevention of Pollution from Ships (MARPOL) (National Law 24.089/92)	Y	Y	Y	CM, CC y DC		
Convention on Biological Diversity (CBD) (National Law 24.375/94)	Y	Y	Y	CM, CC y DC		
United Nations Convention on the Law of the Sea (CONVEMAR) (National Law 24.543/95)	Y	Y	Y	CM, CC y DC		
Inter-American Convention for the Protection and Conservation of Sea Turtle (IAC) (National Law 26.600/10)	Y	Y	Y	CM, CC y DC	National Action Plan for the conservation of sea turtles in Argentina, which include two Programmes: 1) National Action Programme to reduce the interaction of sea turtles with marine litter; 2) National	

							Action Programme to reduce the interaction of sea turtles with the fisheries.	
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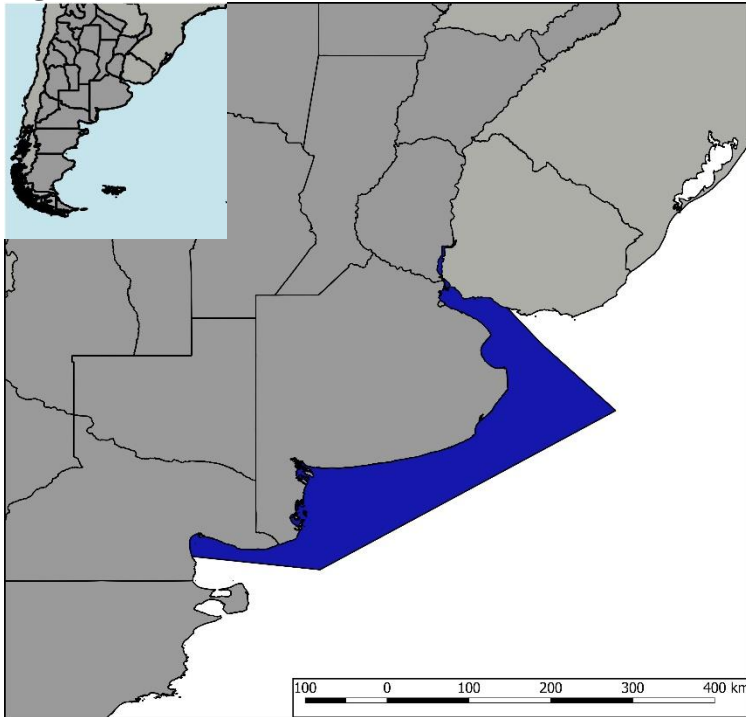
Figures

Figure 1. Foraging and migratory areas of juvenile loggerhead turtles in Argentinian waters

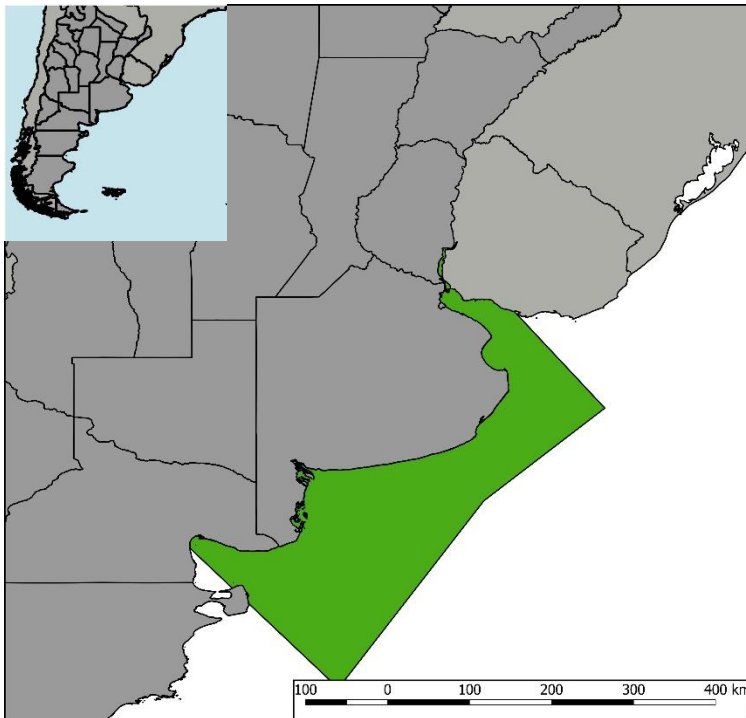


Figure 2. Foraging and migratory areas of adults leatherback turtles in Argentinian waters

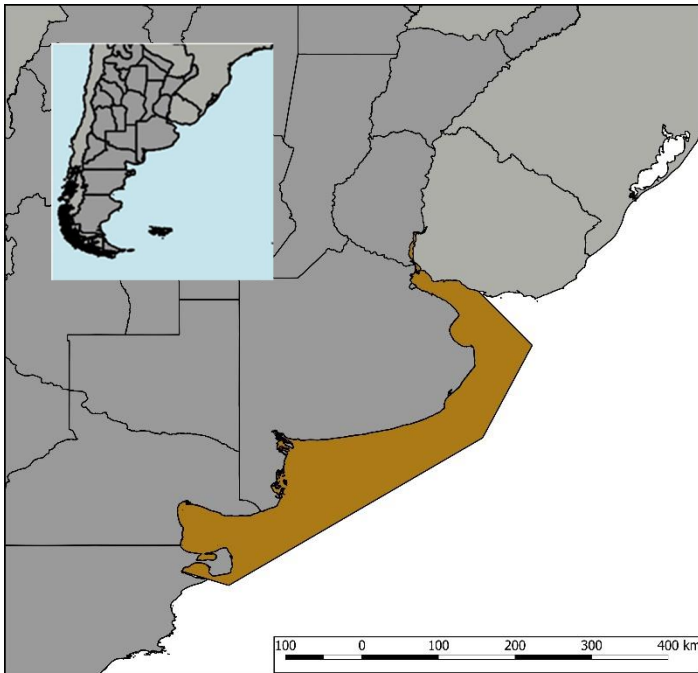


Figure 3. Foraging and migratory areas of juvenile green turtles in Argentinian waters

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BRAZIL

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1 RMU: *Caretta caretta* ó Southwest Atlantic

1.1 Distribution, abundance, trends

1.1.1 Nesting sites

There are 22 nesting sites (Table 1 and 2; Fig. 1) for the South-West Atlantic subpopulation, 13 of them are classified as õmajorõ nesting sites and 9 are as õminorõ nesting sites, according to the Table 1. For abundance indexes (e.g. nests, females) please see Table 1. The most recent year for abundance data published across all rookeries was 2013. All except for one nesting site has shown a 70% increase in the number of nests between 2008-2013. (Table R # 68).

1.1.2 Marine areas

Identified foraging grounds and migratory corridors of loggerhead nesting females tagged in Praia do Forte, Bahia are shown in Fig. 2 (Table R # 78). Movement paths and pelagic foraging areas of immature loggerheads satellite-tagged in Elevação do Rio Grande in the SW Atlantic are displayed in Fig. 3 (Table R # 1). Dispersal patterns and migratory routes of oceanic stage of yearling loggerhead turtles satellite-tagged in Praia do Forte are shown in Fig. 4 (Table R # 82).

1.2 Other biological data

Please see Table 1.

1.3 Threats

1.3.1 Nesting sites

Please see Table 1.

1.3.2 Marine areas

Please see Table 1.

1.4 Conservation

Protection status: see Table 1 for national laws (Table R # 190) and Table 3 for international conventions. Long-term governmental and non-governmental programs are listed in Table 4.

1.5 Research

Brazil has a huge standardized database. We consider as more relevant for conservation, the update of population trends: currently, Brazil has a 25+ years time series of logger-head nesting data (annual number of nests).

2 RMU: *Dermochelys coriacea* - Southwest Atlantic

2.1 Distribution, abundance, trends

2.1.1 Nesting sites

There are only 5 nesting sites, hosting a small population. Four among these 5 areas are considered priority nesting beaches in Brazil (Table 1 and 2; Fig. 1). For abundance indexes (e.g. nests, females) please see Table 1. Even though they are classified as "minor nesting sites according to the Table 1, they are the only regular nesting areas for the region. Between 1995-1996 and 2003-2004, the annual number of nests increased at about 20.4% per year on average (Table R # 122).

2.1.2 Marine areas

Dispersal pattern of post nesting females in Brazil are shown in Fig 5 (Table R # 2). Satellite-tracking showed that that leatherbacks leaving their nesting sites in Gabon make displacements up to the coast of South America (Table R # 191)

2.2 Other biological data

Please see Table 1.

2.3 Threats

Please see Table 1.

2.4 Conservation

Protection status: see Table 1 for national laws (Table R # 190) and Table 3 for international conventions. Long-term governmental and non-governmental programs are listed in Table 4.

2.5 Research

Brazil has a huge standardized database. We consider as more relevant for conservation, the update of population trends: currently, Brazil has a 25+ years time series of leather-back nesting data (annual number of nests).

3 RMU: *Chelonia mydas* - Southwest Atlantic

3.1 Distribution, abundance, trends

3.1.1 Nesting sites

There are 11 nesting sites (Table 1 and 2; Fig. 1). The tree main nesting areas of this RMU are located on oceanic islands. For abundance indexes (e.g. nests or nesting females per year) please see Table 1. In Trindade Island, the population remained stable between 1991 and 2008 (Table R # 101). The average annual number in of nests in the Biological Reserve of Atol das Rocas was approximately the same when comparing the two five-year periods 1990-1994 and 2004-2008 (Ref # 92).

3.1.2 Marine areas

Brazil host important mixed stock feeding grounds for juvenile, sub-adults and adults green turtles (Table R # 163, 63). Capture rates in a non-lethal fishery in southern Brazil increased by 9.2% per year from 1995 to 2016, in line with increasing source populations, particularly the main source contributor which is Ascension Island (Table R # 189). Those data in Brazil could indicate increase trends of populations nesting in distant places (Fig.6).

3.2 Other biological data

Please see Table 1.

3.3 Threats

3.3.1 Nesting sites

Please see Table 1.

3.3.2 Marine areas

Please see Table 1.

3.4 Conservation

Protection status: see Table 1 for national laws (Table R # 190) and Table 3 for international conventions. Long-term governmental and non-governmental programs are listed in Table 4.

3.5 Research

Brazil has a huge standardized database. We consider as more relevant for conservation, the update of population trends: currently, Brazil has a 25+ years time series of green turtle nesting data (annual number of nests), for the 3 main rookeries as followed: Atol das Rocas, Trindade Island and Fernando de Noronha.

4 RMU: *Eretmochelys imbricata* ó Southwest Atlantic

4.1 Distribution, abundance, trends

4.1.1 Nesting sites

There are 15 nesting sites (Table 1 and 2; Fig. 1). The five main nesting areas of this RMU are located in the northeast of Bahia and in Rio Grande do Norte (Table 2). For abundance indexes (e.g. nests or nesting females per year) please see Table 1. All index nesting sites have positive trends (Table R # 135;124).

4.1.2 Marine areas

Identified foraging grounds and migratory corridors of hawksbill nesting females tagged in Bahia are shown in Fig. 7 (Table R # 78) and Fig. 8 (Table R#65). Reported feeding areas are: the Fernando de Noronha National Marine Park, Abrolhos National Marine

Park, Biological Reserve of Atol das Rocas and Ilha do Arvoredo . Juveniles tagged in Atol das Rocas were later recorded nesting in Bahia, Brazil (Itacimirim and Ilhéus), Rio Grande do Norte (Pipa) and in Barbados (Table R#74; Fig. 9).

4.2 Other biological data

Please see Table 1.

4.3 Threats

Please see Table 1.

4.4 Conservation

Protection status: see Table 1 for national laws (Table R # 190) and Table 3 for international conventions.

Long-term governmental and non-governmental programs are listed in Table 4.

4.5 Research

Brazil has a huge standardized database. We consider as more relevant for conservation, the update of population trends: currently, Brazil has a 25+ years time series of hawksbill turtle nesting data (annual number of nests).

5 RMU: *Lepidochelys olivacea* - West Atlantic

5.1 Distribution, abundance, trends

5.1.1 Nesting sites

There are 18 olive ridley nesting sites (Table 1 and 2; Fig. 1), nine of them are classified as major nesting areas, according to Table 1.

For abundance indexes (e.g. nests or nesting females per year) please see Table 1.

The most recent year for abundance data published across all rookeries (13 nesting sites) was 2013. All index nesting sites have positive trends (Table R # 129;136).

5.1.2 Marine areas

Feeding grounds are situated off the coast of the states of Pará, Rio Grande do Norte, Pernambuco, Alagoas, and Espírito Santo, and migration to oceanic waters was identified (Table R# 83; Fig. 10). In recent studies, oceanic foraging areas were identified in Cabo Verde, Senegal, Gambia, Guinea-Bissau and Sierra Leone in northwestern Africa. (Table R#73)

5.2 Other biological data

Please see Table 1.

5.3 Threats

Please see Table 1.

5.4 Conservation

Protection status: see Table 1 for national laws (Table R # 190) and Table 3 for international conventions. Long-term governmental and non-governmental programs are listed in Table 4.

5.5 Research

Brazil has a huge standardized database. We consider as more relevant for conservation, the update of population trends: currently, Brazil has a 25+ years time series of olive ridley turtle nesting data (annual number of nests).

Table 1. Main Table

RMU (all RMUs of all species occurring in a Country or Re- gion) add or remove col- umns on the right according to the RMUs	CC-SW ATL	Ref #	DC-SW ATL	Ref #	CM-SW ATL	Ref #	EI-SW ATL	Ref #	LO-SW ATL	Ref #
Occurrence										
Nesting sites	22	131	Y	133	Y	134	Y	123;135; 118	Y	136
Pelagic foraging grounds	Y	1;12	Y	2	N		N		Y	83
Benthic foraging grounds	Y	78	Y	2	Y	50	Y	81	Y	83
Key biological data										
Nests/yr: recent av- erage (range of years)	7540 (2008/09- 2012/13)	68	51 (2000 - 2009)	69	3600 (1991/926 2008/09)	101	1900 (2009 - 2010)	190	6710 (2009- 2010)	190
Nests/yr: recent or- der of magnitude	7000 - 8000	68	50 - 100	69	3000 - 4000	101	2000 - 2500	T2	8000 - 9000	T2
Number of "major" sites (>20 nests/yr AND >10 nests/km yr)	13	3;17;34	0	3;122;13 3	2	3;17;101;1 34	5	3;4;17;123 ;125;135	8	3;17;37;12 9;136

Number of "minor" sites (<20 nests/yr OR <10 nests/km yr)	9	3;17;34;12 1	5 *	3;122;13 3	9	3;17;134	10	3;4;17;123 ;125;135	11	3;17;37;12 9;136
Nests/yr at "major" sites: recent average (range of years)	610 (2010/2011- 2016/2017)	3;17;34;12 1	24 (2010/2011- 2016/2017)	3;122;13 3	1608 (2010/2011- 2016/2017)	3;17;101;1 34	375(2010/ 2011- 2016/2017)	3;4;17;123 ;125;135	1052(201 0/2011- 2016/201 7)	3;17;37;12 9;136
Nests/yr at "minor" sites: recent average (range of years)	164 (2010/2011- 2016/2017)	3;17;34	7 (2010/2011- 2016/2017)	3;122;13 3	15 (2010/2011- 2016/2017)	3;17;101;1 34	58(2010/2 011- 2016/2017)	3;4;17;123 ;125;135	72 (2010/20 11- 2016/201 7)	3;17;37;12 9;136
Total length of nest- ing sites (km)	624	T2	159	T2	**254	T2	375	T2	313	T2
Nesting females / yr	N		N		N		705 - 791	125	N	
Nests / female season (N)	4,1	102;121	5	2	5.2 (775)	92	2.1-2.6	187;10;11 9;125	N	
Female remigration interval (yrs) (N)	2	102;121	2	2	3.5 (142)	92	2,1	10;119;12 5	N	
Sex ratio: Hatchlings (F / Tot) (N)	53-94 (27.697)	184	N		N		89-96 (5514)	183	N	
Sex ratio: Immatures (F / Tot) (N)	N		N		N		N		N	
Sex ratio: Adults (F / Tot) (N)	N		N		N		N		N	
Min adult size, CCL or SCL (cm)	82 CCL	T 4.1	125 CCL	T 4.1	90 CCL	188; T4.1	82 CCL	T4.1	62 CCL	T 4.1
Age at maturity (yrs)	Y	45; 46	N		Y	48	Y	53	Y	54

Clutch size (n eggs) (N)	127	128	87,7	122	120,1	101	140; 143	70; 120	100,1	129
Emergence success (hatchlings/egg) (N)	73,1% & 63,2%; 79,9% & 67,7; 56,7% to 80,88%	70; 72; 71	65,10%	122	84,40%	101	61% & 51,7%	70	80,2% & 78,7%	129
Nesting success (Nests/ Tot emergence tracks) (N)					54%	101				
Trends										
Recent trends (last 20 yrs) at nesting sites (range of years)	up	131	up	122	stable	101;134	up	135;124	up	129;136
Recent trends (last 20 yrs) at foraging grounds (range of years)	N		N		up	189	N		N	
Oldest documented abundance: nests/yr (range of years)										
Published studies										
Growth rates	Y	45; 46	N		Y	47; 48; 49; 50; 51; 84	Y	52; 53	Y	54
Genetics	Y	55;56; 57; 58;	Y	59; 60; 61	Y	62; 63	Y	64; 65	Y	66
Stocks defined by genetic markers	Y	55; 56	Y	59	Y	62	Y	64; 67	Y	66

Remote tracking (satellite or other)	Y	76; 77; 78; 79; 80; 82	Y	2	Y	75	Y	81	Y	82
Survival rates	N		N		Y	84	N		N	
Population dynamics	N		N		Y	84; 49; 189	Y	52	N	
Foraging ecology (diet or isotopes)	Y	105; 106; 107; 87; 108; 109; 110; 76; 94	Y	87; 94	Y	50; 85; 86; 87; 88; 89; 90; 91; 30; 93; 94; 95; 96; 97; 98; 99; 100	Y	53; 103; 104	Y	111; 112; 113
Capture-Mark-Recapture	Y	121	Y	2; 122	Y	84; 47; 49; 50; 24; 115; 116; 117;	Y	117; 52; 104; 118; 119; 120; 187	Y	37
Threats										
Bycatch: presence of small scale / artisanal fisheries?	Y (SN; ST; PN; OTH (corrals))	24; 25; 31; 36; 40; 41	Y (SN; OTH (corrals))	24; 25; 31; 36; 39; 40	Y (SN; ST; PN; OTH (corrals))	24; 25; 28; 29; 30; 31; 36; 40; 41	Y (SN; PN; OTH (corrals))	24; 25; 31; 36; 40; 41	Y (SN; OTH (corrals))	36; 38; 40
Bycatch: presence of industrial fisheries?	Y (PLL; SN; DN; ST)	5; 6; 7; 8; 9; 11; 12; 13; 14; 15; 16; 18; 19; 20; 21; 22; 27; 32; 35; 43	Y (PLL; SN; DN; ST)	5; 6; 7; 8; 9; 11; 13; 14; 16; 19; 20; 21; 22; 23; 26; 27;	Y (PLL; SN; DN; ST)	8; 9; 11; 19; 21; 26; 27; 32; 43	Y (SN)	43	Y (PLL; ST)	5; 8; 9; 11; 13; 19; 26; 32; 35; 43

				32; 35; 43						
Bycatch: quantified?	Y (PLL, DN)	6; 8; 11; 13; 14; 15; 16; 18; 19; 21; 24; 27	Y (PLL; DN)	6; 8; 11; 13; 14; 16; 19; 21; 24; 27	Y (PLL; OTH (pound net)	8; 19; 21; 24; 27;189	Y	24	Y (PLL)	8; 19
Take. Intentional killing or exploitation of turtles	N	T4.3	N	T4.3	N	T4.3	N	T4.3	N	T4.3
Take. Egg poaching	Y	126; 127	N		Y	126	Y	126; 125	Y	126;129
Coastal Development. Nesting habitat degradation	Y	130; 131; 132	Y	133	Y	130; 134	Y	130; 135	Y	130; 136
Coastal Development. Photopollution	Y	130; 131; 137; 138; 139	Y	139	Y	130; 134; 139	Y	135; 137	Y	136; 139; 140
Coastal Development. Boat strikes	N		N		N		N		N	
Egg predation	Y	141; 142; 143; 144	N		Y	145	Y	141; 144	Y	143; 144

Pollution (debris, chemical)	Y	42; 146	Y	42	Y	42; 147; 148; 149; 150; 151	N		N	
Pathogens	Y	181; 182	N		Y	152; 153; 154; 155; 156; 157; 158; 159; 160; 161; 162; 163; 164; 165; 166; 167; 168; 169; 170; 171; 172; 173; 174; 175; 176; 177; 178; 179; 180; 47	Y	181	Y	181
Climate change	Y	184; 185	N		N		Y	183	N	
Foraging habitat degradation	N		N		Y	97; 186	N		N	
Other	Y	44	Y	44	Y	44	N		Y	44
Long-term projects (>5yrs)										
Monitoring at nesting sites (period: range of years)	Y (1982-ongoing)	3;128	Y (1982-ongoing)	3;122	Y (1982-ongoing)	3;92;101	Y (1982-ongoing)	3;124	Y (1982-ongoing)	3;129
Number of index nesting sites	6	see T2	2	see T2	2	see T2	5	see T2	3	see T2

Monitoring at foraging sites (period: range of years)	2	T4.4; T4.7	1	T4.9	8	84; 189; T4.2; T4.3; T4.4; T4.5; T4.6; T4.8; T4.10; T4.11; T4.14	2	T4.6	1	T4.4
Conservation										
Protection under national law	Y	190	Y	190	Y	190	Y	190	Y	190
Number of protected nesting sites (habitat preservation) (% nests)	100%	190	100%	190	100%	190	100%	190	100%	190
Number of Marine Areas with mitigation of threats	0		0		0		0		0	
N of long-term conservation projects (period: range of years)	>1 (1982-ongoing)	126; T4.1; T4.12	>1 (1982-ongoing)	126; T4.1; T4.9	>1 (1981-ongoing)	126;188;T4.1	>1 (1982-ongoing)	126; T4.1; T4.6	>1 (1982-ongoing)	126;T4.1
In-situ nest protection (eg cages)	Y	126	Y	126	N		Y	126	Y	126
Hatcheries	Y	126	Y	122	N		Y	126	Y	126
Head-starting	N		N		N		N		N	

By-catch: fishing gear modifications (eg, TED, circle hooks)	Y	21	Y	21	N		N		N	
By-catch: onboard best practices	N		N		N		N		N	
By-catch: spatio-temporal closures/reduction	N		N		N		N		Y	38
Other										
* 4 of these 5 areas are considered priority nesting beaches in Brazil. Even though they are classified as "minor sites" according to this classification, they are only regular nesting areas for the region.										
** low density green turtle nesting beaches, the 3 main nesting areas of this RMU are located in the oceanic islands										

Table 2. Nesting sites

RMU / Nesting beach name	Index site	Nests/yr: recent average (range of years)	Crawls/yr: recent average (range of years)	Western limit		Eastern limit		Central point		Length (km)	% Monitored	Reference #	Monitoring Level (1-2)	Monitoring Protocol (A-F)
				Long	Lat	Long	Lat	Long	Lat					
CC-SW ATL														
Farol	Y	776 (2010/2011 - 2016/2017)		- 41,09 33	- 21,846 28	- 40,9978 3	- 21,8462 8			31	100	#190 #184	1	
Atafona	N	1134 (2010/2011 - 2016/2017)		- 40,99 78	- 21,312 00	- 40,9600 0	- 21,3120 0			75	100	#190 #184	1	
Vitoria	N	22 (2010/2011 - 2016/2017)		- 40,21 97	- 20,056 00	- 40,1920 0	- 20,0560 0			26	100	#190 #184	1	
Comboios	Y	717 (2010/2011 - 2016/2017)		- 39,95 46	- 19,612 01	- 39,7970 0	- 19,6120 1			37	100	#190 #184	1	
Povoação	Y	436 (2010/2011 - 2016/2017)		- 39,79 7	- 19,530 32	- 39,7586 7	- 19,5303 2			10	100	#190 #184	1	

Monsaras	N	454 (2010/2011 - 2016/2017)	-	39,75 87	19,309 45	39,6917 2	19,3094 5			29	100	#190 #184	1	
Pontal do Ipiranga	N	281 (2010/2011 - 2015/2016)	-	39,69 17	19,026 56	39,7289 7	19,0265 6			28	100	#190 #184	1	
Guriri	N	258 (2010/2011 - 2016/2017)	-	39,72 9	18,583 39	39,7315 7	18,5833 9			55	100	#190 #184	1	
Itapuan	N	316 (2010/2011 - 2016/2017)	-	38,38 79	12,863 55	38,2585 2	12,8635 5			20	100	#190 #184	1	
Interlagos	Y	697 (2010/2011 - 2016/2017)	-	38,25 85	12,765 01	38,1705 8	12,7650 1			16	100	#190 #184	1	
Berta	N	281 (2010/2011 - 2016/2017)	-	38,17 06	12,696 77	38,1129 9	12,6967 7			11	100	#190 #184	1	
Guarajuba	Y	751 (2010/2011 - 2016/2017)	-	38,11 3	12,550 49	37,9906 0	12,5504 9			16	100	#190 #184	1	
Praia do Forte	Y	715 (2010/2011 - 2016/2017)	-	37,99 06	12,482 18	37,9483 2	12,4821 8			14	100	#190 #184	1	
Sauipe	N	817 (2010/2011 - 2016/2017)	-	37,94 83	12,065 47	37,6689 1	12,0654 7			56	100	#190 #184	1	
Conde	N	451 (2010/2011 - 2016/2017)	-	37,66 89	11,535 28	37,4060 9	11,5352 8			67	100	#190 #184	1	

Coqueiros	N	64 (2010/2011 - 2016/2017)	-	37,4061	11,48089	37,36747	11,48089			6	100	#190 #184	1	
Mangue Seco	N	43 (2010/2011 - 2016/2017)	-	37,3675	11,45500	37,35800	11,45500			8	100	#190 #184	1	
Abais	N	261 (2010/2011 - 2016/2017)	-	37,314	11,17400	37,16700	11,17400			36	100	#190 #184	1	
Rato	N	75 (2010/2011 - 2016/2017)	-	36,9642	10,70920	36,81259	10,70920			26	100	#190 #184	1	
Pirambu	N	129 (2010/2011 - 2016/2017)	-	36,8126	10,66098	36,74069	10,66098			12	100	#190 #184	1	
Santa Isabel	N	79 (2010/2011 - 2016/2017)	-	36,7407	10,60659076	36,64023856	10,60659076			13	100	#190 #184	1	
Ponta dos Mangues	N	220 (2010/2011 - 2016/2017)	-	36,6402	10,49800	36,39900	10,49800			32	100	#190 #184	1	
Pipa	N	4 (2010/2011 - 2016/2017)	-	35,0325	5,88013	35,15920	5,88013			42	100	#190 #184	1	
Fernando de Noronha	N	0 (2010/2011 - 2016/2017)	-					3,870085	32,437469		100	#190 #184	1	
Trindade	N	0 (2010/2011 - 2016/2017)	-					20,509099	29,32494		100	#190 #184	1	

EI- SW ATL														
Farol	N	4 (2010/2011 - 2016/2017)	- 41,09 33	- 21,846 28	- 40,9978 3	- 21,8462 8			31	100	#190 #183	1		
Atafona	N	4 (2010/2011 - 2016/2017)	- 40,99 78	- 21,312 00	- 40,9600 0	- 21,3120 0			75	100	#190 #183	1		
Vitoria	N	0 (2010/2011 - 2016/2017)	- 40,21 97	- 20,056 00	- 40,1920 0	- 20,0560 0			26	100	#190 #183	1		
Comboios	N	2 (2010/2011 - 2016/2017)	- 39,95 46	- 19,612 01	- 39,7970 0	- 19,6120 1			37	100	#190 #183	1		
Povoação	N	1 (2010/2011 - 2016/2017)	- 39,79 7	- 19,530 32	- 39,7586 7	- 19,5303 2			10	100	#190 #183	1		
Monsaras	N	1 (2010/2011 - 2016/2017)	- 39,75 87	- 19,309 45	- 39,6917 2	- 19,3094 5			29	100	#190 #183	1		
Pontal do Ipiranga	N	1 (2010/2011 - 2015/2016)	- 39,69 17	- 19,026 56	- 39,7289 7	- 19,0265 6			28	100	#190 #183	1		
Guriri	N	5 (2010/2011 - 2016/2017)	- 39,72 9	- 18,583 39	- 39,7315 7	- 18,5833 9			55	100	#190 #183	1		

Itapuan	N	63 (2010/2011 - 2016/2017)	-	38,38 79	-	12,863 55	-	38,2585 2	-	12,8635 5	20	100	#190 #183	1
Interlagos	Y	329 (2010/2011 - 2016/2017)	-	38,25 85	-	12,765 01	-	38,1705 8	-	12,7650 1	16	100	#190 #183	1
Berta	Y	305 (2010/2011 - 2016/2017)	-	38,17 06	-	12,696 77	-	38,1129 9	-	12,6967 7	11	100	#190 #183	1
Guarajuba	Y	183 (2010/2011 - 2016/2017)	-	38,11 3	-	12,550 49	-	37,9906 0	-	12,5504 9	16	100	#190 #183	1
Praia do Forte	Y	176 (2010/2011 - 2016/2017)	-	37,99 06	-	12,482 18	-	37,9483 2	-	12,4821 8	14	100	#190 #183	1
Sauipe	N	331 (2010/2011 - 2016/2017)	-	37,94 83	-	12,065 47	-	37,6689 1	-	12,0654 7	56	100	#190 #183	1
Conde	N	68 (2010/2011 - 2016/2017)	-	37,66 89	-	11,535 28	-	37,4060 9	-	11,5352 8	67	100	#190 #183	1
Coqueiros	N	12 (2010/2011 - 2016/2017)	-	37,40 61	-	11,480 89	-	37,3674 7	-	11,4808 9	6	100	#190 #183	1
Mangue Seco	N	11 (2010/2011 - 2016/2017)	-	37,36 75	-	11,455 00	-	37,3580 0	-	11,4550 0	8	100	#190 #183	1
Abais	N	36 (2010/2011 - 2016/2017)	-	37,31 4	-	11,174 00	-	37,1670 0	-	11,1740 0	36	100	#190 #183	1

Rato	N	14 (2010/2011 - 2016/2017)	-	36,96 42	10,709 20	36,8125 9	10,7092 0			26	100	#190 #183	1	
Pirambu	N	9 (2010/2011 - 2016/2017)	-	36,81 26	10,660 98	36,7406 9	10,6609 8			12	100	#190 #183	1	
Santa Isabel	N	11 (2010/2011 - 2016/2017)	-	36,74 07	10,606 59076	36,6402 3856	10,6065 9076			13	100	#190 #183	1	
Ponta dos Mangues	N	25 (2010/2011 - 2016/2017)	-	36,64 02	10,498 00	36,3990 0	10,4980 0			32	100	#190 #183	1	
Pipa	Y	879 (2010/2011 - 2016/2017)	-	35,03 25	5,8801 3	35,1592 0	5,88013			42	100	#190 #183	1	
Fernando de Noronha	N	0 (2010/2011 - 2016/2017)						- 3,8700 85	- 32,437 469		100	#190 #183	1	
Trindade	N	0 (2010/2011 - 2016/2017)						- 20,509 099	- 29,324 94		100	#190 #183	1	
LO- W ATL														
Farol	N	1 (2010/2011 - 2016/2017)	-	41,09 33	21,846 28	40,9978 3	21,8462 8			31	100	#190 #136	1	

Atafona	N	1 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	75	100	#190 #136	1	
Vitoria	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	26	100	#190 #136	1	
Comboios	N	8 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	37	100	#190 #136	1	
Povoação	N	13 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	10	100	#190 #136	1	
Monsaras	N	11 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	29	100	#190 #136	1	
Pontal do Ipiranga	N	28 (2010/2011 - 2015/2016)	-	-	-	-	-	-	-	28	100	#190 #136	1	
Guriri	N	20 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	55	100	#190 #136	1	
Itapuan	N	20 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	20	100	#190 #136	1	
Interlagos	N	50 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	16	100	#190 #136	1	
Berta	N	7 (2010/2011 - 2016/2017)	-	-	-	-	-	-	-	11	100	#190 #136	1	

Guarajuba	N	70 (2010/2011 - 2016/2017)	-	38,113	12,55049	37,99060	12,55049			16	100	#190 #136	1	
Praia do Forte	N	72 (2010/2011 - 2016/2017)	-	37,9906	12,48218	37,94832	12,48218			14	100	#190 #136	1	
Sauipe	N	494 (2010/2011 - 2016/2017)	-	37,9483	12,06547	37,66891	12,06547			56	100	#190 #136	1	
Conde	N	700 (2010/2011 - 2016/2017)	-	37,6689	11,53528	37,40609	11,53528			67	100	#190 #136	1	
Coqueiros	Y	402 (2010/2011 - 2016/2017)	-	37,4061	11,48089	37,36747	11,48089			6	100	#190 #136	1	
Mangue Seco	Y	584 (2010/2011 - 2016/2017)	-	37,3675	11,45500	37,35800	11,45500			8	100	#190 #136	1	
Abais	N	1927 (2010/2011 - 2016/2017)	-	37,314	11,17400	37,16700	11,17400			36	100	#190 #136	1	
Rato	N	600 (2010/2011 - 2016/2017)	-	36,9642	10,70920	36,81259	10,70920			26	100	#190 #136	1	
Pirambu	Y	1384 (2010/2011 - 2016/2017)	-	36,8126	10,66098	36,74069	10,66098			12	100	#190 #136	1	
Santa Isabel	N	694 (2010/2011 - 2016/2017)	-	36,7407	10,60659076	36,64023856	10,60659076			13	100	#190 #136	1	

Ponta dos Mangues	N	2123 (2010/2011 - 2016/2017)	-	-	-	-	-			32	100	#190 #136	1	
			36,64 02	10,498 00	36,3990 0	10,4980 0								
Pipa	N	2 (2010/2011 - 2016/2017)	-	-	-	-	-			42	100	#190 #136	1	
			35,03 25	5,8801 3	35,1592 0	5,88013								
Fernando de Noronha	N	0 (2010/2011 - 2016/2017)						-	-		100	#190 #136	1	
								3,8700 85	32,437 469					
Trindade	N	0 (2010/2011 - 2016/2017)						-	-		100	#190 #136	1	
								20,509 099	29,324 94					
DC- SW ATL														
Farol	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-			31	100	#190 #133	1	
			41,09 33	21,846 28	40,9978 3	21,8462 8								
Atafona	N	1 (2010/2011 - 2016/2017)	-	-	-	-	-			75	100	#190 #133	1	
			40,99 78	21,312 00	40,9600 0	21,3120 0								
Vitoria	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-			26	100	#190 #133	1	
			40,21 97	20,056 00	40,1920 0	20,0560 0								
Comboios	Y	57 (2010/2011 - 2016/2017)	-	-	-	-	-			37	100	#190 #133	1	
			39,95 46	19,612 01	39,7970 0	19,6120 1								

Povoação	Y	18 (2010/2011 - 2016/2017)	-	-	-	-	-	10	100	#190 #133	1	
			39,79 7	19,530 32	39,7586 7	19,5303 2						
Monsaras	N	26 (2010/2011 - 2016/2017)	-	-	-	-	-	29	100	#190 #133	1	
			39,75 87	19,309 45	39,6917 2	19,3094 5						
Pontal do Ipiranga	N	10(2010/2011 - 2015/2016)	-	-	-	-	-	28	100	#190 #133	1	
			39,69 17	19,026 56	39,7289 7	19,0265 6						
Guriri	N	7 (2010/2011 - 2016/2017)	-	-	-	-	-	55	100	#190 #133	1	
			39,72 9	18,583 39	39,7315 7	18,5833 9						
Itapuan	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-	20	100	#190 #133	1	
			38,38 79	12,863 55	38,2585 2	12,8635 5						
Interlagos	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-	16	100	#190 #133	1	
			38,25 85	12,765 01	38,1705 8	12,7650 1						
Berta	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-	11	100	#190 #133	1	
			38,17 06	12,696 77	38,1129 9	12,6967 7						
Guarajuba	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-	16	100	#190 #133	1	
			38,11 3	12,550 49	37,9906 0	12,5504 9						
Praia do Forte	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-	14	100	#190 #133	1	
			37,99 06	12,482 18	37,9483 2	12,4821 8						
Sauipe	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-	56	100	#190 #133	1	
			37,94 83	12,065 47	37,6689 1	12,0654 7						

Conde	N	0 (2010/2011 - 2016/2017)	-	37,66 89	-	11,535 28	-	37,4060 9	-	11,5352 8	67	100	#190 #133	1
Coqueiros	N	0 (2010/2011 - 2016/2017)	-	37,40 61	-	11,480 89	-	37,3674 7	-	11,4808 9	6	100	#190 #133	1
Mangue Seco	N	0 (2010/2011 - 2016/2017)	-	37,36 75	-	11,455 00	-	37,3580 0	-	11,4550 0	8	100	#190 #133	1
Abais	N	0 (2010/2011 - 2016/2017)	-	37,31 4	-	11,174 00	-	37,1670 0	-	11,1740 0	36	100	#190 #133	1
Rato	N	0 (2010/2011 - 2016/2017)	-	36,96 42	-	10,709 20	-	36,8125 9	-	10,7092 0	26	100	#190 #133	1
Pirambu	N	0 (2010/2011 - 2016/2017)	-	36,81 26	-	10,660 98	-	36,7406 9	-	10,6609 8	12	100	#190 #133	1
Santa Isabel	N	0 (2010/2011 - 2016/2017)	-	36,74 07	-	10,606 59076	-	36,6402 3856	-	10,6065 9076	13	100	#190 #133	1
Ponta dos Mangues	N	0 (2010/2011 - 2016/2017)	-	36,64 02	-	10,498 00	-	36,3990 0	-	10,4980 0	32	100	#190 #133	1
Pipa	N	0 (2010/2011 - 2016/2017)	-	35,03 25	-	5,8801 3	-	35,1592 0	-	5,88013	42	100	#190 #133	1
Fernando de Noronha	N	0 (2010/2011 - 2016/2017)	-		-		-		-	3,8700 85		100	#190 #133	1
										-				
										32,437 469				

Trindade	N	0 (2010/2011 - 2016/2017)						- 20,509 099	- 29,324 94		100	#190 #133	1	
CM - SW ATL														
Farol	N	0 (2010/2011 - 2016/2017)		- 41,09 33	- 21,846 28	- 40,9978 3	- 21,8462 8			31	100	#190 #134	1	
Atafona	N	1 (2010/2011 - 2016/2017)		- 40,99 78	- 21,312 00	- 40,9600 0	- 21,3120 0			75	100	#190 #134	1	
Vitoria	N	0 (2010/2011 - 2016/2017)		- 40,21 97	- 20,056 00	- 40,1920 0	- 20,0560 0			26	100	#190 #134	1	
Comboios	N	0 (2010/2011 - 2016/2017)		- 39,95 46	- 19,612 01	- 39,7970 0	- 19,6120 1			37	100	#190 #134	1	
Povoação	N	0 (2010/2011 - 2016/2017)		- 39,79 7	- 19,530 32	- 39,7586 7	- 19,5303 2			10	100	#190 #134	1	
Monsaras	N	0 (2010/2011 - 2016/2017)		- 39,75 87	- 19,309 45	- 39,6917 2	- 19,3094 5			29	100	#190 #134	1	
Pontal do Ipiranga	N	0 (2010/2011 - 2015/2016)		- 39,69 17	- 19,026 56	- 39,7289 7	- 19,0265 6			28	100	#190 #134	1	

Guriri	N	0 (2010/2011 - 2016/2017)	-	-	-	-	-	55	100	#190 #134	1	
Itapuan	N	2 (2010/2011 - 2016/2017)	38,38 79	12,863 55	38,2585 2	12,8635 5		20	100	#190 #134	1	
Interlagos	N	12 (2010/2011 - 2016/2017)	38,25 85	12,765 01	38,1705 8	12,7650 1		16	100	#190 #134	1	
Berta	N	3 (2010/2011 - 2016/2017)	38,17 06	12,696 77	38,1129 9	12,6967 7		11	100	#190 #134	1	
Guarajuba	N	17 (2010/2011 - 2016/2017)	38,11 3	12,550 49	37,9906 0	12,5504 9		16	100	#190 #134	1	
Praia do Forte	N	24 (2010/2011 - 2016/2017)	37,99 06	12,482 18	37,9483 2	12,4821 8		14	100	#190 #134	1	
Sauipe	N	25 (2010/2011 - 2016/2017)	37,94 83	12,065 47	37,6689 1	12,0654 7		56	100	#190 #134	1	
Conde	N	32 (2010/2011 - 2016/2017)	37,66 89	11,535 28	37,4060 9	11,5352 8		67	100	#190 #134	1	
Coqueiros	N	1 (2010/2011 - 2016/2017)	37,40 61	11,480 89	37,3674 7	11,4808 9		6	100	#190 #134	1	
Mangue Seco	N	1 (2010/2011 - 2016/2017)	37,36 75	11,455 00	37,3580 0	11,4550 0		8	100	#190 #134	1	

Abais	N	4 (2010/2011 - 2016/2017)		- 37,31 4	- 11,174 00	- 37,1670 0	- 11,1740 0			36	100	#190 #134	1	
Rato	N	2 (2010/2011 - 2016/2017)		- 36,96 42	- 10,709 20	- 36,8125 9	- 10,7092 0			26	100	#190 #134	1	
Pirambu	N	1 (2010/2011 - 2016/2017)		- 36,81 26	- 10,660 98	- 36,7406 9	- 10,6609 8			12	100	#190 #134	1	
Santa Isabel	N	1 (2010/2011 - 2016/2017)		- 36,74 07	- 10,606 59076	- 36,6402 3856	- 10,6065 9076			13	100	#190 #134	1	
Ponta dos Mangues	N	6 (2010/2011 - 2016/2017)		- 36,64 02	- 10,498 00	- 36,3990 0	- 10,4980 0			32	100	#190 #134	1	
Pipa	N	15 (2010/2011 - 2016/2017)		- 35,03 25	- 5,8801 3	- 35,1592 0	- 5,88013			42	100	#190 #134	1	
Fernando de Noronha	Y	194 (2010/2011 - 2016/2017)						- 3,8700 85	- 32,437 469		100	#190 #134	1	
Trindade	Y	3023 (2010/2011 - 2016/2017)						- 20,509 099	- 29,324 94		100	#190 #134	1	

Table 3. Conventions

International Conventions	Sign ed	Bin ding	Compliance measured and reported	Specie s
Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)	Y	Y	Y	CC, CM, DC, EI, LO
Convention on the Conservation of Migratory Species of Wild Animals (CMS)	Y	Y	Y	CC, CM, DC, EI, LO
Ramsar Convention	Y	Y	Y	CC, CM, DC, EI, LO
International Convention for the Prevention of Pollution from Ships (MARPOL)	Y	Y	Y	CC, CM, DC, EI, LO
Convention on Biological Diversity (CBD)	Y	Y	Y	CC, CM, DC, EI, LO
United Nations Convention on the Law of the Sea (CONVEMAR)	Y	Y	Y	CC, CM, DC, EI, LO
Inter-American Convention for the Protection and Conservation of Sea Turtle (IAC)	Y	Y	Y	CC, CM, DC, EI, LO

Table 4. Projects and Databases

#	RMU	Country	Region / Location	Project Name or descriptive title	Keywords	Start date	End date	Leading organization	Public/Private	Collaboration with	Reports / Information material	Current Sponsors	Primary Contact (name and Email)	Other Contacts (name and Email)	Databases available	Name of Database	Names of sites included (matching Table B, if appropriate)	Beginning of the time series	End of the time series	Track information	Nest information	Flipper tagging	Tags in STTI - ACCSTR?	PI Tagging	Remote tracking	Ref #
T4.1	CM-SW ATL, CC-SW ATL, DC-SW ATL, EI-SW ATL, LO-SW ATL	Brazil	South America / Brazil	Monitoring and protection of priority nesting beaches in Brazil	nesting females; hatchlings; nests; conservation; South west Atlantic	1982	Continue	Projeto TAMAR	Private	ICMBio			Neca Marcovaldi (neca@tamar.org.br)		Y	SITAMAR	N	1982	2017	N	Y	Y		N	Y	3
T4.2	CM-SW ATL	Brazil	South America / South east Brazil, São Paulo, Ubatuba	Monitoring incidental capture of green sea turtles in pound nets, in Brazil	Conservation, Populational dynamic; Ju-	1991	continue	Projeto TAMAR	Private	ICMBio	Silva, B. M., Bugoni, L., Almeida, B. A., Giffoni, B. B., Alvarenga, F. S., Brondizio, L. S., & Becker, J. H. (2017). Long-term		Neca Marcovaldi (neca@tamar.org.br)	Berenice Gallo (bere@tamar.org.br)	Y	SITAMAR		1991	2017	N	N	Y		N	N	24; 189

					venile; Col- labo- rative re- searc h; Uba- tuba						trends in abundance of green sea tur- tles (<i>Chelo- nia mydas</i>) assessed by non-lethal capture rates in a coastal fishery. <i>Eco- logical Indi- cators</i> , 79, 254-264. Gallo, B. M., Macedo, S., Giffoni, B. D. B., Becker, J. H., & Barata, P. C. (2006). Sea turtle conservation in Ubatuba, southeastern Brazil, a feeding area with inci- dental cap- ture in coastal fisher- ies. <i>Chelo- nian conservation and biology</i> , 5(1), 93-101.															
T4.3	CM- SW ATL, CC- SW ATL, EI-SW ATL, LO- SW ATL	Bra- zi- l	South amer- ica / North ern Bra- zil, Al- mofal a, Ceará	Monitoring incidental capture of green sea turtles in corrals, in Brazil	Con- serva- tion, Popu- la- tional dy- namic ; Ju- ve- nile;	19 92	Co nti nu e	Projeto TAMA R	Priv ate	ICMB io		Neca Marcovald i (neca@ta mar.org.br)	Eduardo Lima (eduardo .lima@ta mar.org. br)	Y	SI TA M A R		19 92	2 0 1 7	N	N	Y		N	N		

T4.5	CM-SW ATL	Brazil	South America / North east Brazil , Fernando de Noronha island	Capture-mark-recapture of green turtles at an isolated tropical archipelago in Brazil	Survival dynamics, Juvenile, in-water survey	1988	Continue	Projeto TAMAR	Private	ICMbio	Colman, L. P., Patrício, A. R. C., McGowan, A., Santos, A. J., Marcovaldi, M. Â., Bellini, C., & Godley, B. J. (2015). Long-term growth and survival dynamics of green turtles (<i>Chelonia mydas</i>) at an isolated tropical archipelago in Brazil. <i>Marine biology</i> , 162(1), 111-122.		Neca Marcovaldi (neca@tamar.org.br)	Liliana P. Colman (lilianacolman@hotmail.com)	Y	SITAMAR		1988	2017	N	N	Y		N	N	
T4.6	EI-SW ATL	Brazil	South America / North east Brazil , Fernando de Noronha island	Capture-mark-recapture of hawksbill turtles at an isolated tropical archipelago in Brazil	Survival dynamics, Juvenile, in-water survey	1988	Continue	Projeto TAMAR	Private	ICMbio	SANTOS, A. J. B.; BELLINI, C.; BORTOLON, L. F. W.; OUTERBRIDGE, B.; SANTOS, A. S.; MARCOVALDI, M. A. In press. Movements of Brazilian hawksbill turtles revealed by flipper tags. In: 36 th ANNUAL SYMPOSIUM ON SEA TUR-		Neca Marcovaldi (neca@tamar.org.br)	Armando Barsante (armando@tamar.org.br)	Y	SITAMAR		1988	2017	N	N	Y		N	N	

T4.9	DC-SW ATL	Brazil	South America / South Brazil, Rio Grande do Sul state	Strandings, incidental capture and habitat use by leather-back turtles in the foraging grounds in southern Brazil	Conservation, bycatch, onboard observers	2003	Continue	NEMA	Private		Monteiro, D. S., Estima, S. C., Gandra, T. B., Silva, A. P., Bugoni, L., Swimmer, Y., Seminoff, J. A. & Secchi, E. R. (2016). Long-term spatial and temporal patterns of sea turtle strandings in southern Brazil. <i>Marine Biology</i> , 163(12), 247.		Danielle Monteiro (danismonteiro@yahoo.com.br)		Y			2003	2017	N	N	N		N	N	
T4.10	CM-SW ATL	Brazil	South America / South east Brazil, São Paulo, Cananéia, Ilha Comprida, Iguapé	Projeto Tartarugas	Conservation; Juvenile; diet; debris	2003	continue	IPeC	Private		Bahia, N.C.F. & Bondioli, A.C.V. (2010) Interação das tartarugas marinhas com a pesca artesanal de cerco-fixo em Cananéia, litoral sul de São Paulo. <i>Biotemas</i> , 23, 203-213; Loreto, B.O. & Bondioli, A.C.V. (2008) Epibionts associated with green sea turtles (<i>Chelonia mydas</i>) from		Daniela Godoy (ipecpesquisas@gmail.com)		N						N	N	N	N		

											- Universidade Federal do Paraná; Ana Paula Maistro. ESTIMATIV AS DE IDADE E CRESCIME NTO DE TARTARUG AS MARINHAS DA REGIÃO DE CANANÉIA, SP: VALIDAÇÃ O DOS MÉTODOS ESQUELET OCRONOL OGICOS DE ANÁLISE ETÁRIA. 2009. Trabalho de Conclusão de Curso. (Graduação em Ciências Biológicas) - Universidade Estadual do Norte do Paraná.																	
T4.1 1	CM- SW ATL	Br azi l	South Ameri ca/ Brasil , Rio de Janeir o	Projeto Aruanã	feedi ng;ju venile ; South west Atlan tic	20 10		UFF/ Projeto Aruanã	Publ ic	UFF/ Projet o Aruan ã	published articles		Suzana Guimarães suzanamgr @hotmail. com		y		Rio de Jane iro				n	y	y	n	n	14		

T4.1 2	CC- SW ATL	Bra- zili	South Ameri- ca/ Brazil , north Rio de Janeir- o	Marine tur- tles moni- toring - Nesting Beach Monitoring	Nesti- ng femal- e; south west Atlan- tic	20 10	20 17	Porto do Açú	Priv- ate/ Publ- ic	Projet- o TAM AR	Annual Reports		Daniel Nascim- ento - daniel.nasc- imento@pr- umologisti- ca.com.br		Y	Pr- um- o Da- ta Ba- se	Barr- a do Fura- do, Faro- l, Faro- lzin- ho, Mar- ia Ros- a, Iqui- pari, Gru- ssaí, Ataf- ona, Ca- min- ho das Con- chas , Bal- neár- io, Cha- peu- do Sol, Pont- al, Bal- near- io	20 10	2 0 1 7	Y	Y	Y	Y	N	Y	
T4.1 3	CM- SW ATL	Bra- zili	South Ameri- ca/ Brasil , Paran- á	Marine megafauna and envi- ronmental health	juven- ile; feedi- ng; South west Atlan- tic	20 12	on goi- ng	UFPR - CEM	Publ- ic	UFPR /UEL	published articles		Ana Paula Frederico Rodrigues Loureiro Bracarense anapaula@ uel.br, Camila		Y		Bah- ia de Para- nag- uá - Para- ná	20 10	2 0 1 7	Y	N	Y	Y	N	Y	10,1 1,12 ,13

													Domit cadomit@ gmail.com												
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Figures

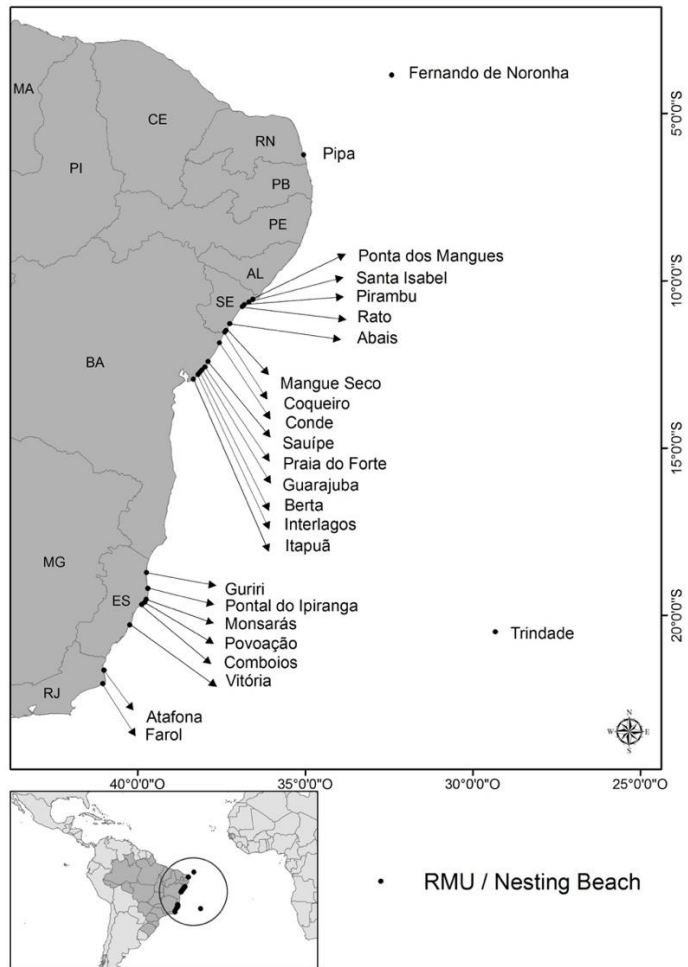


Figure 1. Brazilian Nesting Sites

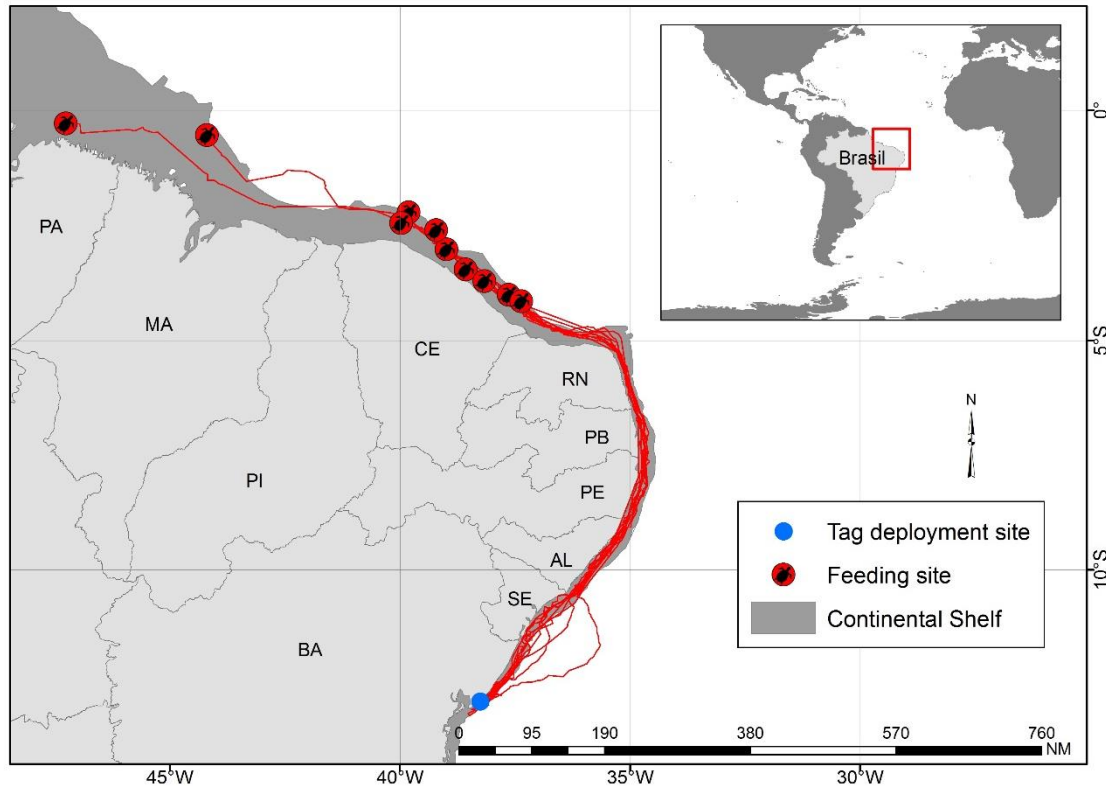


Figure 2. Post-nesting migrations and feeding grounds of 10 loggerhead female turtles satellite-tracked from nesting beaches along the northern coast of Bahia, Brazil (Table R #78)

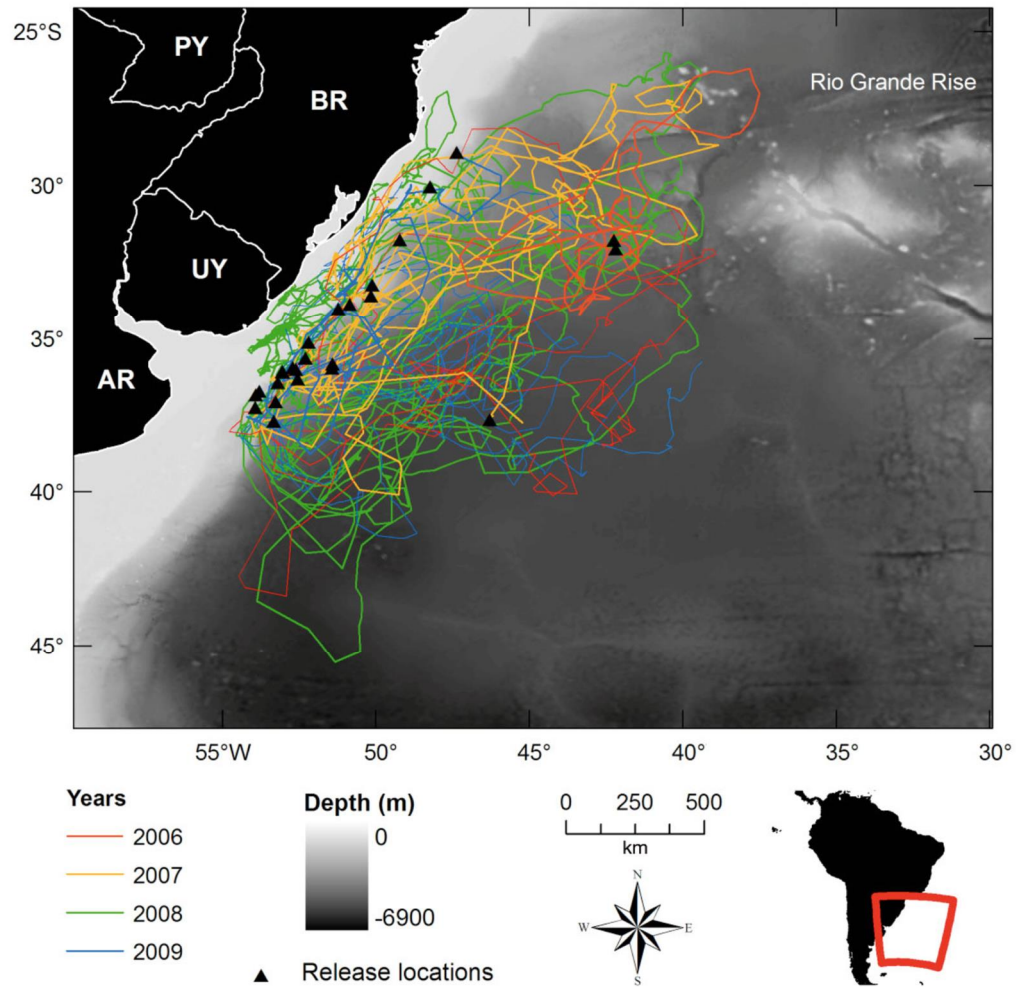


Figure 3. Movement paths of 26 immature loggerheads in the SW Atlantic Ocean between 2006 and 2010. (Table R #1)

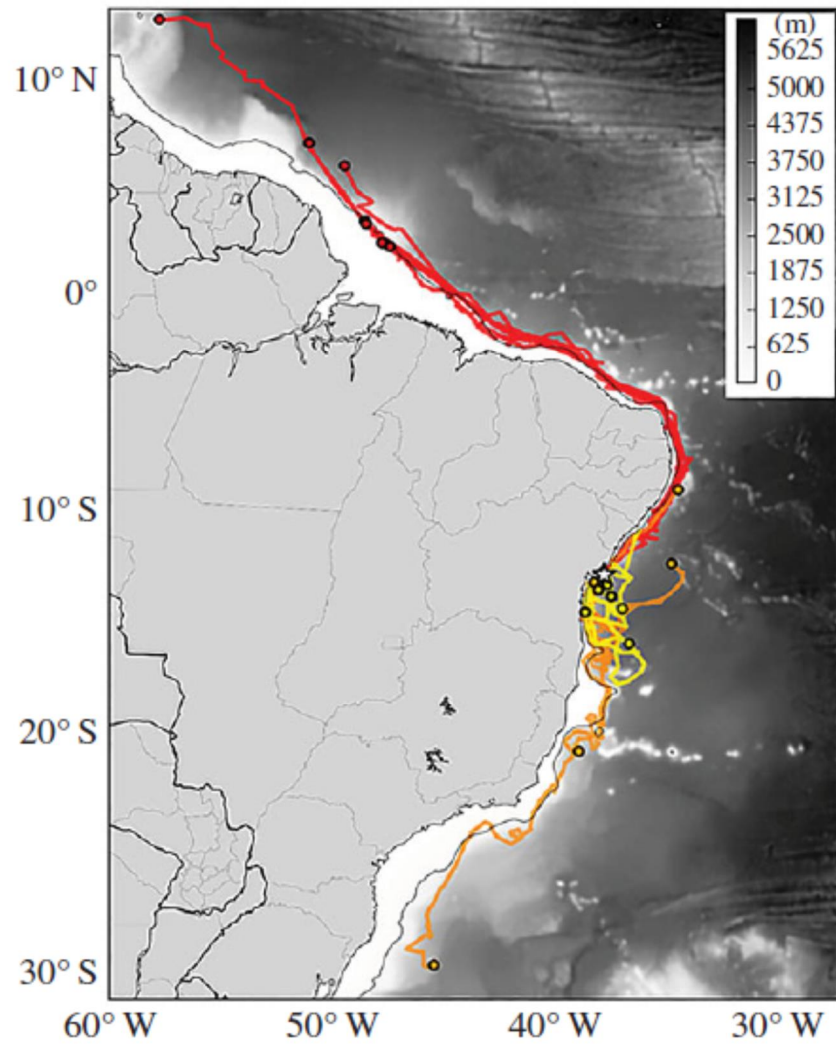


Figure 4. Satellite tracks of 19 yearling loggerhead sea turtles released from Praia do Forte, Bahia, Brazil. (Table R #82)

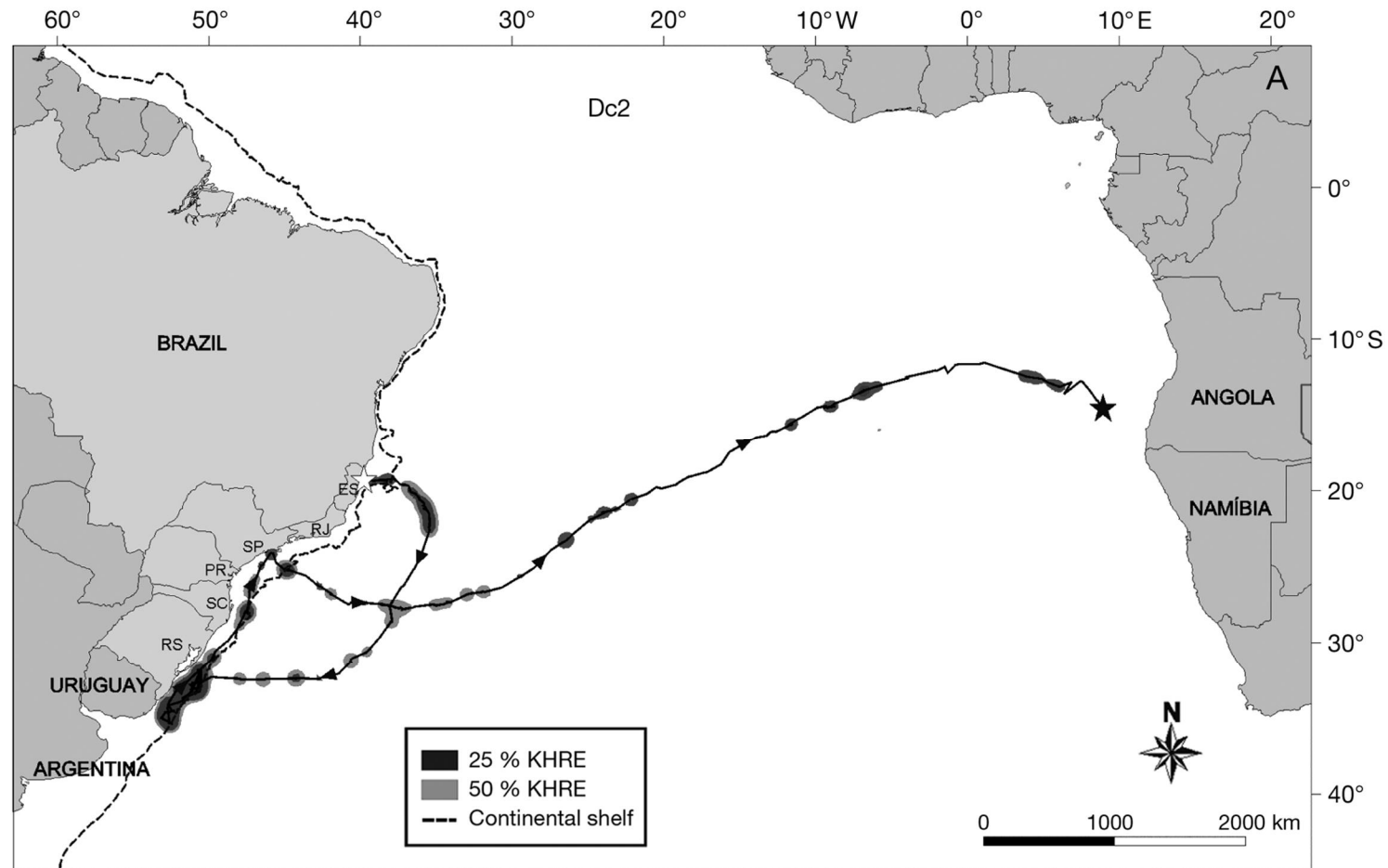


Figure 5. Kernel estimated home range utilization distributions (25 and 50% KHRE) and migratory paths of 2 postnesting female leatherbacks tracked from Espírito Santo, Brazil, and 1 female leatherback caught in a drift net off the State of São Paulo, Brazil. Open stars indicate tracking starting point; black stars show last transmission. (Table R #122)

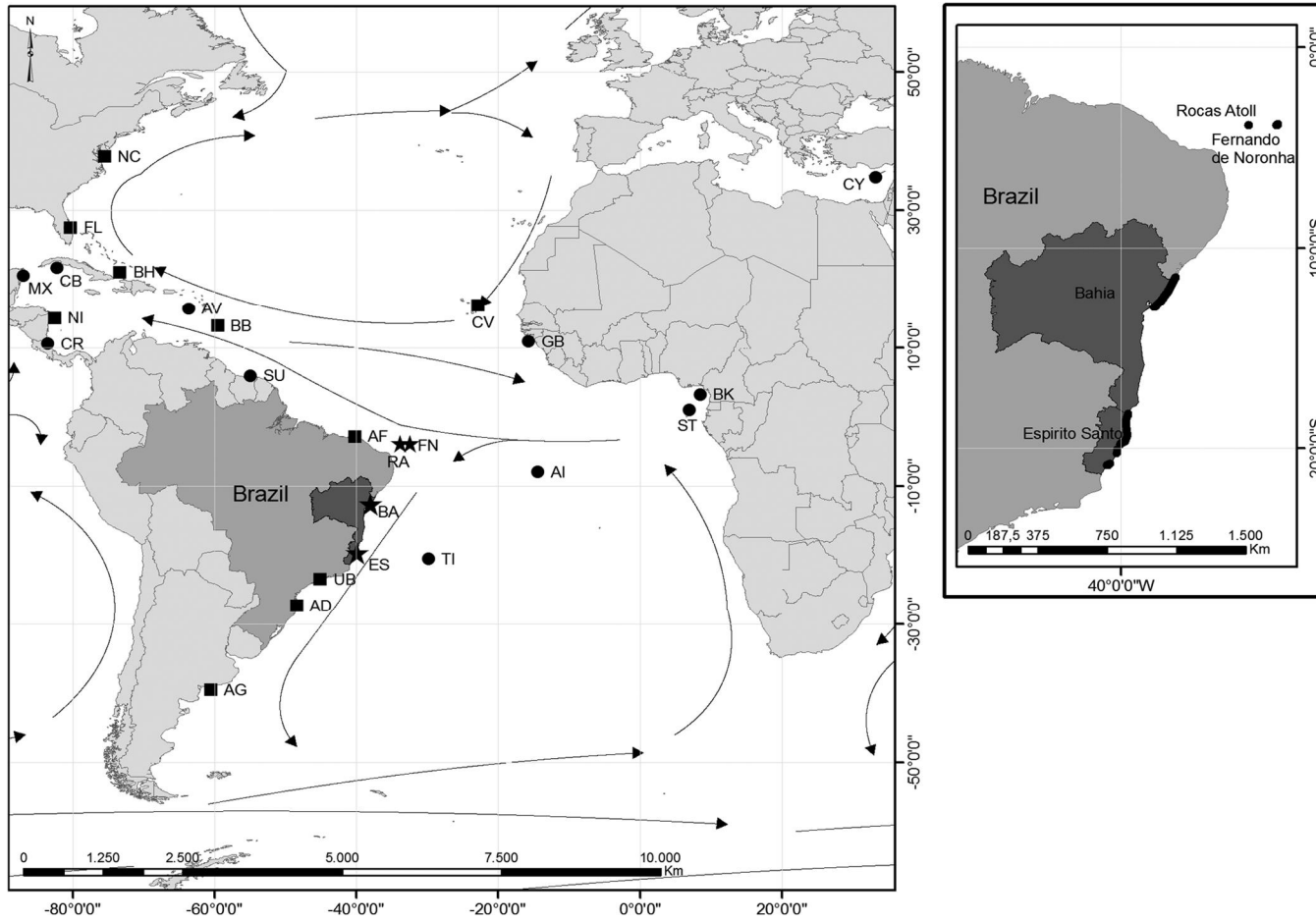


Figure 6. Map of the Rocas Atoll (RA), Fernando de Noronha (FN), Bahia (BA), and Espírito Santo (ES) study sites (symbolized by stars) with respect to general oceanic circulation patterns shown as arrows, and other *C. mydas* groups previously subject to genetic analysis. (Table R#192)

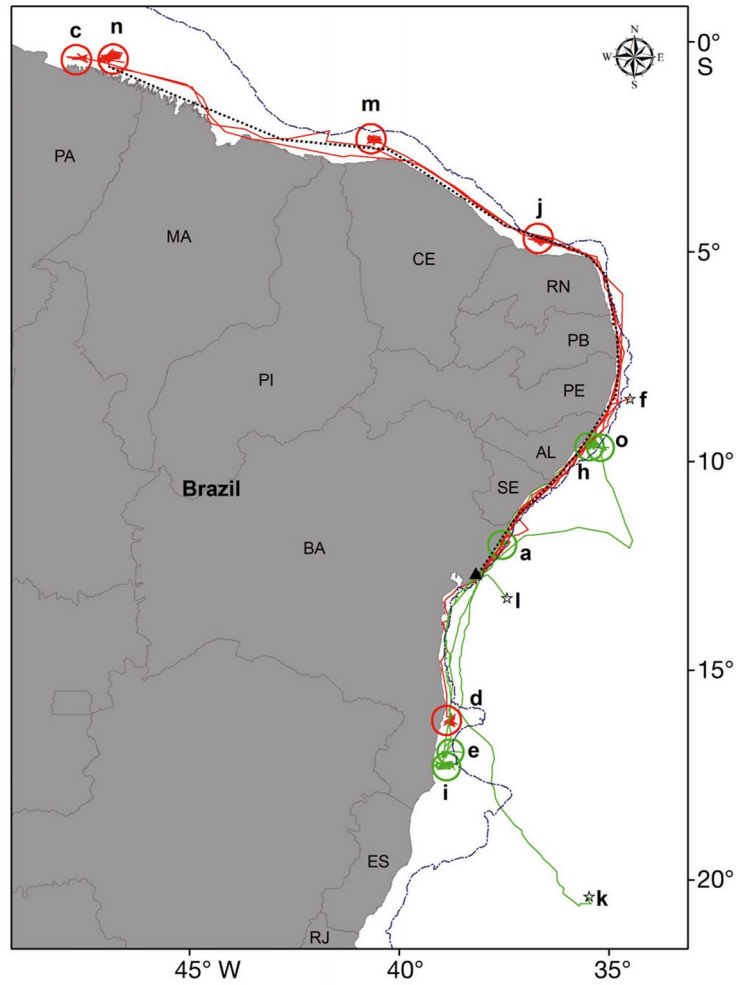


Figure 7. Migratory paths and foraging areas of hawksbill turtles satellite-tracked from nesting grounds in northern Bahia, Brazil ($n = 15$). Lower case letters: individual turtles; circles: foraging areas (green: hawksbills; red: hawksbill-loggerhead hybrids (Table R #81))

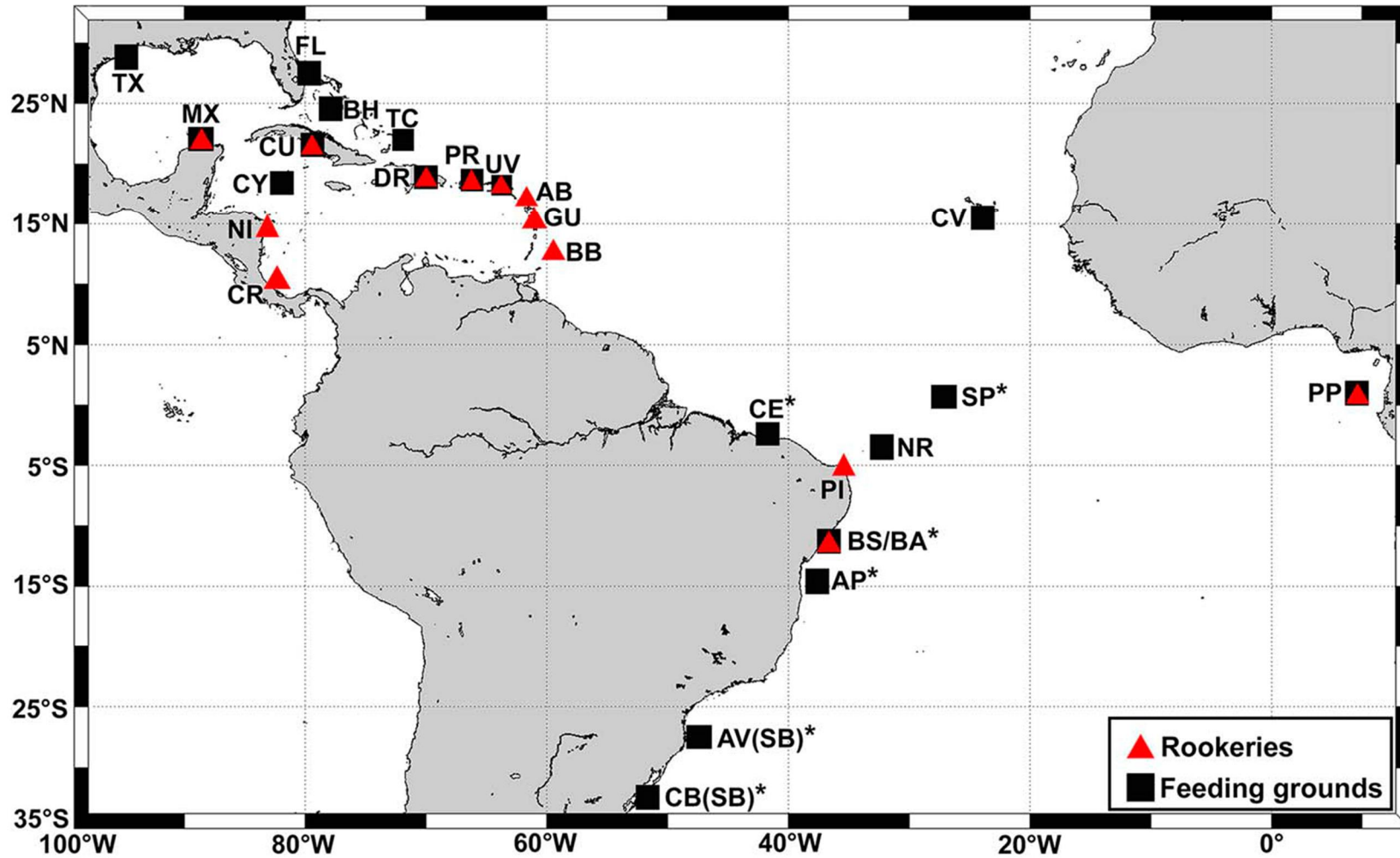


Figure 8. Locations of genetically described hawksbill populations in the Atlantic, rookeries (red triangles) and feeding grounds (black squares) (Table R #65)

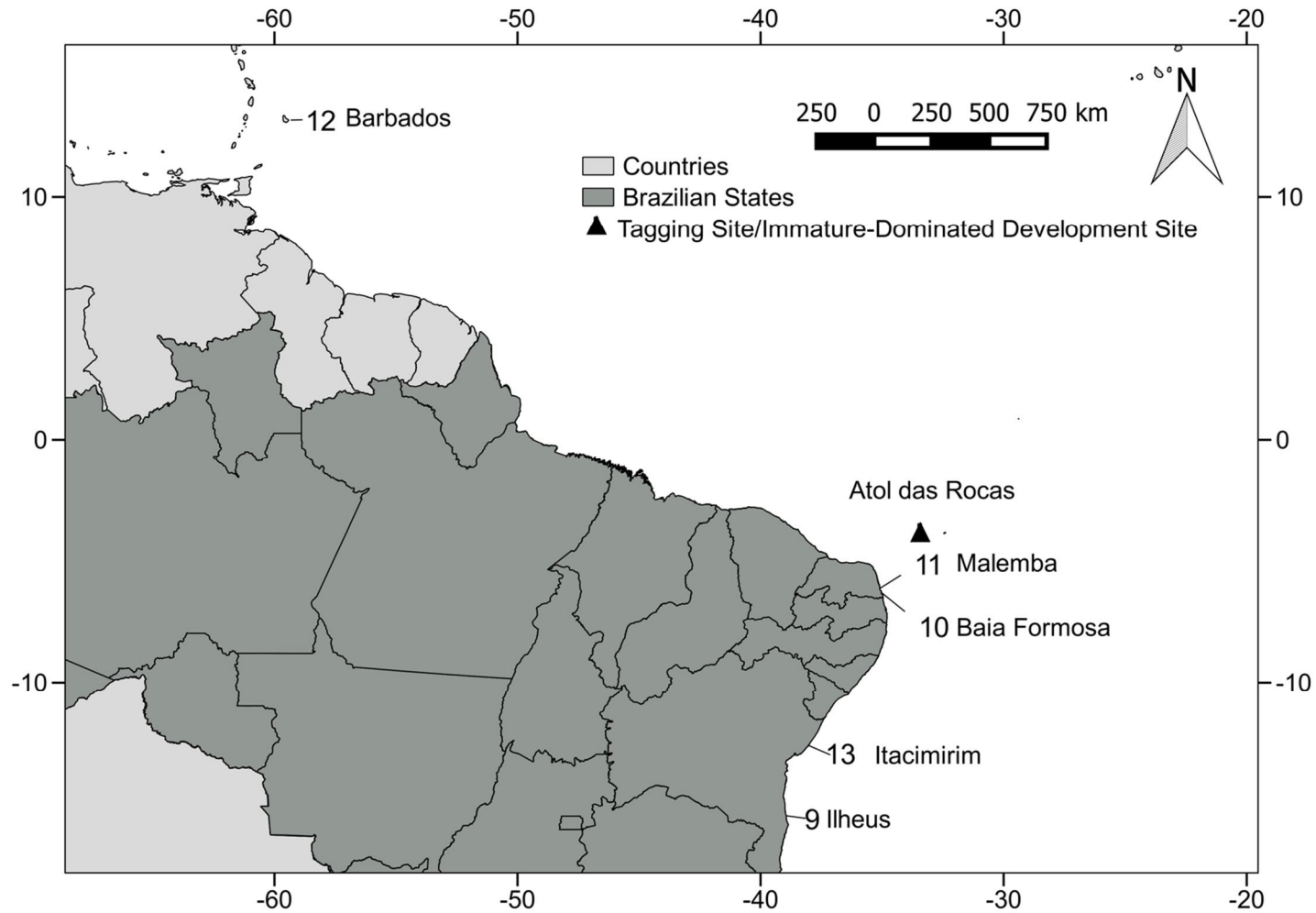


Figure 9. Nesting beach locations for five hawksbills (*Eretmochelys imbricata*) originally tagged as juveniles in Atol das Rocas, Brazil. Numbers correspond to nesting beaches, based on Table R #74.

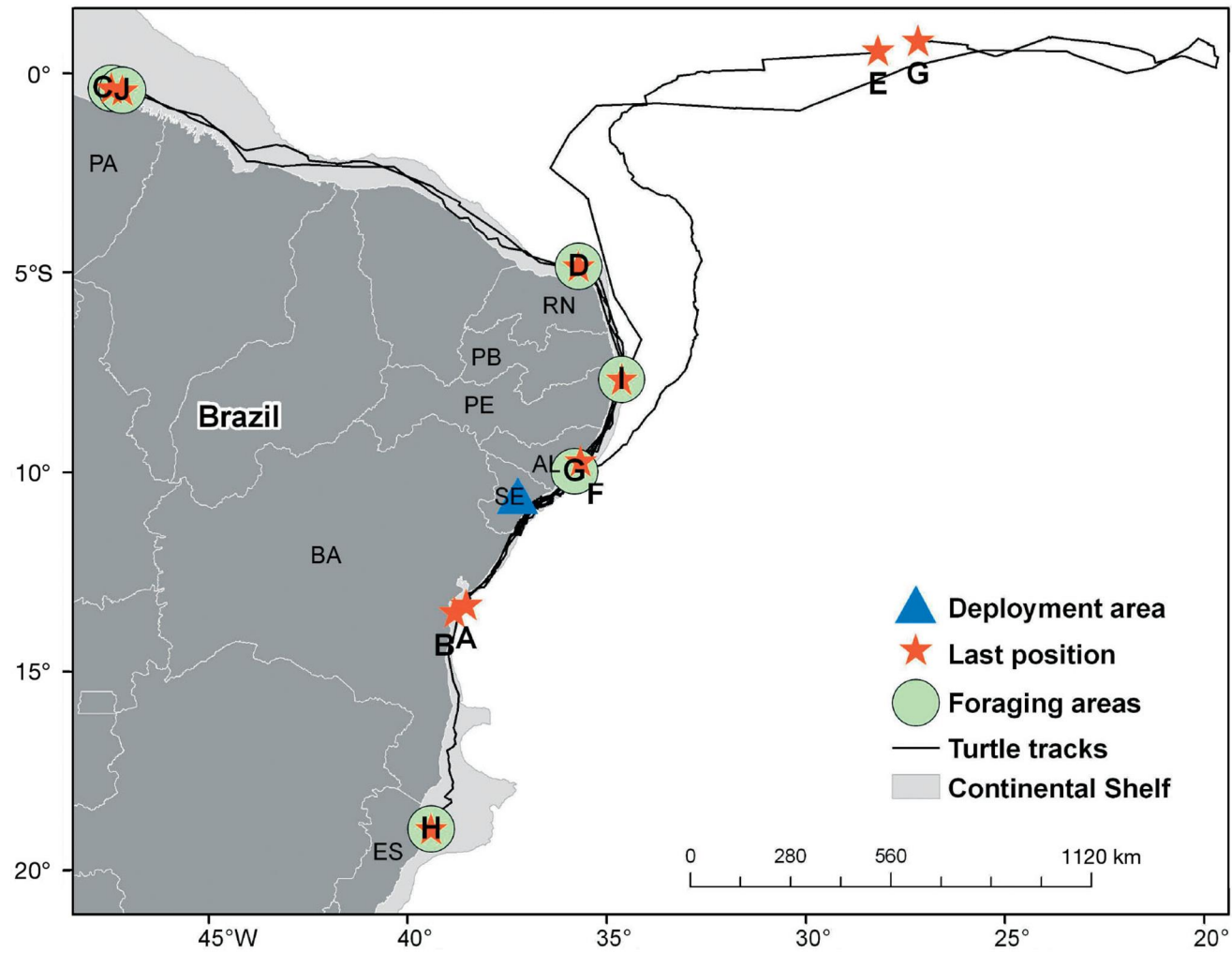


Figure 10. Post-nesting movements of olive ridley turtles satellite tracked from their nesting grounds in Sergipe. (Table R #83)

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URUGUAY

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1 RMU: *Caretta caretta* ó Southwest Atlantic

1.1 Distribution, abundance, trends

1.1.1 Nesting sites

Not apply

1.1.2 Marine áreas

Movement paths and pelagic foraging areas of immature loggerheads in the SW Atlantic are displayed in Fig. 1 (Table R # 1), while distribution of strandings are showed in Fig. 2 the high concentrations of stranding reflect the coastal foraging areas of large juvenile and adult loggerhead turtles (Table R # 33).

1.2 Other biological data

Please see Table 1.

1.3 Threats

1.3.1 Nesting sites

Not apply.

1.3.2 Marine areas

Please see Table 1.

1.4 Conservation

Protection status: see Table 1 for national laws (Table R # 6, 7) and Table 3 for international conventions. Long-term non-governmental program is listed in Table 4.

1.5 Research

Key knowledge gaps about currently bycatch numbers by artisanal and industrial Uruguayan fleet and other international fleet operating in the area.

2 RMU: *Dermochelys coriacea* - Southwest Atlantic

2.1 Distribution, abundance, trends

2.1.1 Nesting sites

Not apply.

2.1.2 Marine áreas

Movement paths and pelagic foraging areas of immature and adult leatherback turtles in the SW Atlantic are displayed in Fig. 3 (Table R # 22), while distribution of strandings of large juvenile and adult leatherback turtles are showed in Fig. 2 the high concentrations of stranding reflect the coastal foraging areas (Table R # 33).

2.2 Other biological data

Please see Table 1.

2.3 Threats

2.3.1 Nesting sites

Not apply.

2.3.2 Marine areas

Please see Table 1.

2.4 Conservation

Protection status: see Table 1 for national laws (Table R # 6, 7) and Table 3 for international conventions. Long-term non-governmental program is listed in Table 4.

2.5 Research

Key knowledge gaps about currently bycatch numbers by artisanal and industrial Uruguayan fleet and other international fleet operating in the area.

3 RMU: *Chelonia mydas* - Southwest Atlantic

3.1 Distribution, abundance, trends

3.1.1 Nesting sites

Not apply.

3.1.2 Marine areas

Movement paths and foraging areas of immature green turtles in the SW Atlantic are displayed in Fig. 5 (Table R # 34), while distribution of strandings of immature green turtles are showed in Fig. 2 the high concentrations of stranding reflect the coastal foraging areas of this specie (Table R # 33).

3.2 Other biological data

Please see Table 1.

3.3 Threats

3.3.1 Nesting sites

Not apply.

3.3.2 Marine areas

Please see Table 1.

3.4 Conservation

Protection status: see Table 1 for national laws (Table R # 6, 7) and Table 3 for international conventions. Long-term non-governmental program is listed in Table 4.

3.5 Research

Key knowledge gaps about currently bycatch numbers by artisanal and industrial Uruguayan fleet and other international fleet operating in the area.

4 RMU: *Chelonia mydas* - Southcentral Atlantic

4.1 Distribution, abundance, trends

4.1.1 Nesting sites

Not apply.

4.1.2 Marine areas

Movement paths and foraging areas of immature green turtles in the SW Atlantic are displayed in Fig. 5 (Table R # 34), while distribution of strandings of immature green turtles are showed in Fig. 2 the high concentrations of stranding reflects the coastal foraging areas (Table R # 33).

4.2 Other biological data

Please see Table 1.

4.3 Threats

4.3.1 Nesting sites

Not apply.

4.3.2 Marine areas

Please see Table 1

4.4 Conservation

Protection status: see Table 1 for national laws (Table R # 6, 7) and Table 3 for international conventions. Long-term non-governmental program is listed in Table 4.

4.5 Research

Key knowledge gaps about currently bycatch numbers by artisanal and industrial Uruguayan fleet and other international fleet operating in the area.

5 RMU: *Eretmochelys imbricata* ó Southwest Atlantic

5.1 Distribution, abundance, trends

5.1.1 Nesting sites

Not apply.

5.1.2 Marine áreas

Distribution of strandings of hawksbill turtles are showed in Fig. 2 (bottom panel) (Table R # 33).

5.2 Other biological data

Please see Table 1.

5.3 Threats

5.3.1 Nesting sites

Not apply.

5.3.2 Marine areas

Please see Table 1.

5.4 Conservation

Protection status: see Table 1 for national laws (Table R # 6, 7) and Table 3 for international conventions. Long-term non-governmental program is listed in Table 4.

5.5 Research

Key knowledge gaps about the habitat utilization, movements and threats in this area. Existing genetic data about hybrids specimens reported in this area but unpublished data that should be urgently published.

6 RMU: *Lepidochelys olivacea* - West Atlantic

6.1 Distribution, abundance, trends

6.1.1 Nesting sites

Not apply.

6.1.2 Marine áreas

Distribution of strandings of olive Ridley turtles are showed in Fig. 2 (bottom panel) (Table R # 15, 33).

6.2 Other biological data

Please see Table 1.

6.3 Threats

6.3.1 Nesting sites

Not apply.

6.3.2 Marine areas

Please see Table 1.

6.4 Conservation

Protection status: see Table 1 for national laws (Table R # 6, 7) and Table 3 for international conventions. Long-term non-governmental program is listed in Table 4.

6.5 Research

Key knowledge gaps about the habitat utilization, movements and threats in this area

Tables

Table 3

International Conventions	Signed	Binding	Compliance measured and reported	Species
CITES	Y	Y	Y	Cc, Dc, Cm, Ei, Lo
Convenio RAMSAR	Y	Y	Y	DC
CMS	Y	Y	Y	ALL
CONVEMAR	Y	Y	Y	ALL
CDB	Y	Y	Y	ALL

Figures

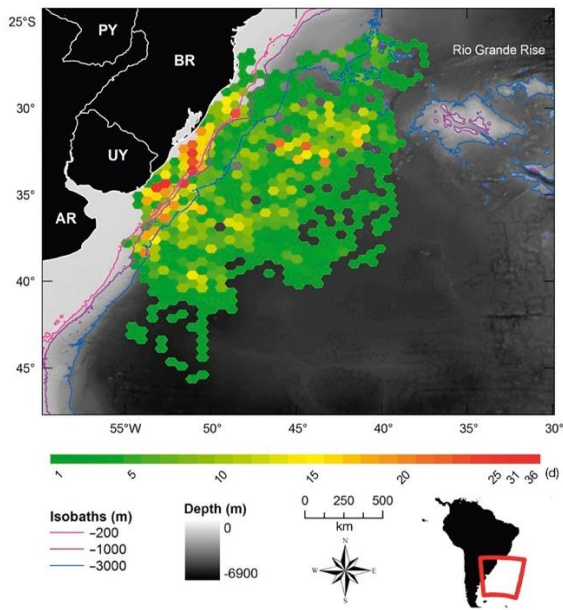


Figure 1. Spatial use of 26 immature loggerhead turtles tracked in the Southwestern Atlantic Ocean between 2006 and 2010. Color denotes the number of days a turtle spent within each hexagonal bin. Taken from Barcelo et al. 2013

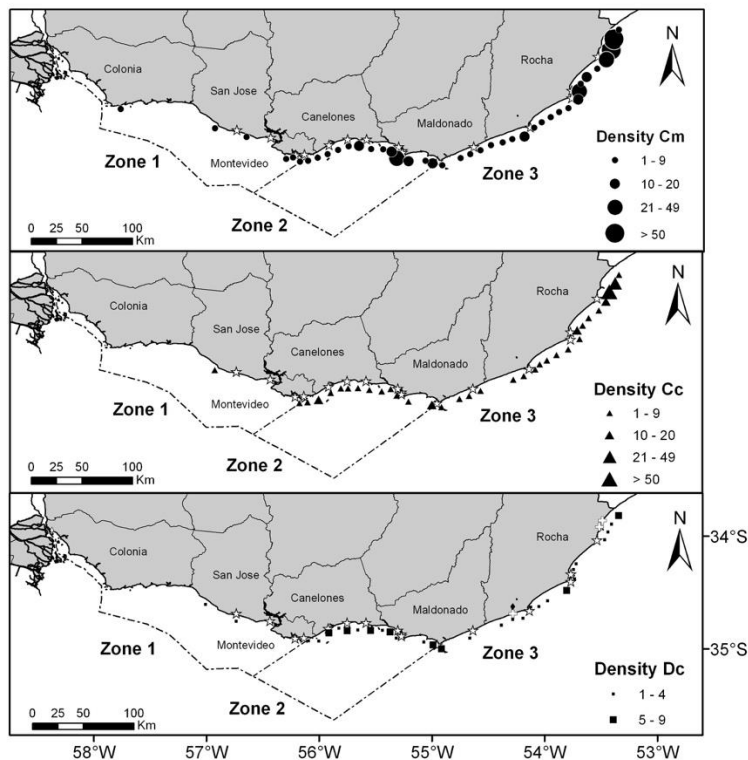


Figure 2. Stranding density (number of marine turtles stranded per 10 km sector) maps showing the Network records between 1999 and 2010. Each map shows the stranding density of the three most frequent species: a green (Cm, filled circle); b loggerhead (Cc, filled triangle); and c leatherback turtles (Dc, filled rectangle). In C, the white crosses indicate the stranding of the three hawksbill turtles and the black diamond indicates the

one olive ridley turtle. The stars indicate the main fishermen settlements and ports. Note the different ranges in density for the leatherback. Taken from Vélez-Rubio et al. 2013

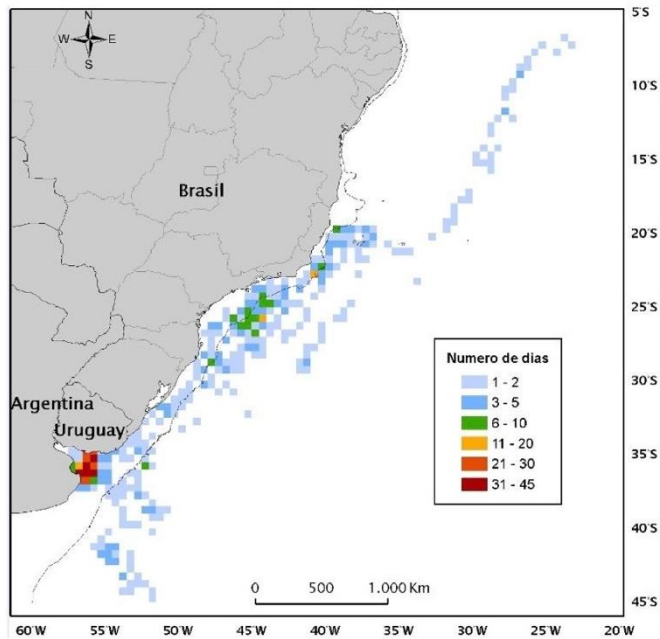


Figure 3. Habitat utilization by tracked leatherback turtles (n=4), using a single daily position, from their respective reconstructed routes. The legend indicates total time (days) turtles spent in each cell. Dashed black line indicates 200 m bathymetric contour. Taken from López-Mendilaharsu et al. 2009

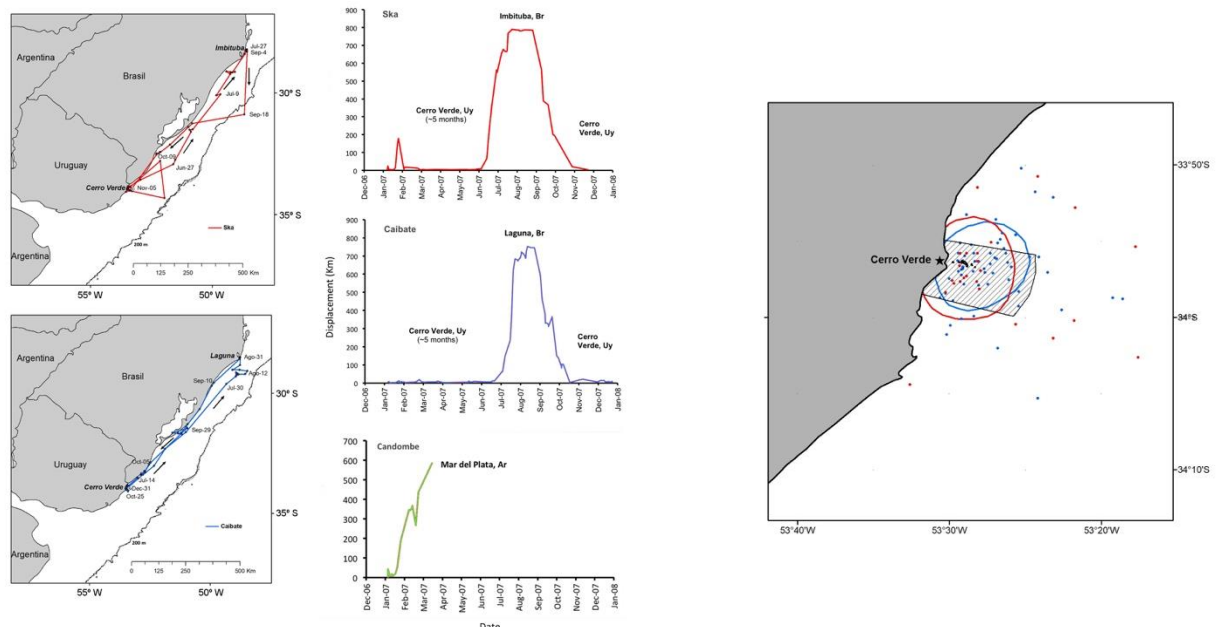


Figure 5. Displacement from released site plot of the three tracked green turtle. The left panels (A and B) show the tracks of those turtles that performed a round-trip migration between summer and winter foraging areas in Uruguay and Brazil respectively. The three right panels (C, D and E) show distance to the release point through time. Phases of migration are represented by rapid changes in displacement distance; summer and winter

foraging areas are revealed by plateaus. Left panels: Right Panel: Turtle's positions and core-use areas (50% KDE contours) for the two green turtles that remained for several months at the CMPA of Cerro Verde and Coronilla islands. Taken from Vélez-Rubio et al. 2018.

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Number of index nesting sites	n/a		n/a		n/a		n/a		n/a		n/a	
Monitoring at foraging sites	Y	17, 21, 27, 33	Y	17, 21, 27, 33	Y	17, 33	Y	17, 33	n/a		n/a	
Conservation												
Protection under national law	Y	6,7	Y	6,7	Y	6,7	Y	6,7	Y	6,7	Y	6,7
Number of protected nesting sites (habitat preservation)	n/a		n/a		n/a		n/a		n/a		n/a	
Number of Marine Areas with mitigation of threats	0		2		2		0		0		0	
Long-term conservation projects (number)	>1		1		1		1		0		0	
In-situ nest protection (eg cages)	n/a		n/a		n/a		n/a		n/a		n/a	
Hatcheries	n/a		n/a		n/a		n/a		n/a		n/a	
Head-starting	N		n/a		n/a		n/a		n/a		n/a	
By-catch: fishing gear modifications (eg, TED, circle hooks)	Y	9,10	N		N		Y	9,10	n/a		n/a	
By-catch: onboard best practices	Y		n/a		n/a		n/a		n/a		n/a	
By-catch: spatio-temporal closures/reduction	N		N		N		n/a		n/a		n/a	
Other (fishermen collaborative work)	Y	41	Y	41	Y	41	Y	41	N		N	

