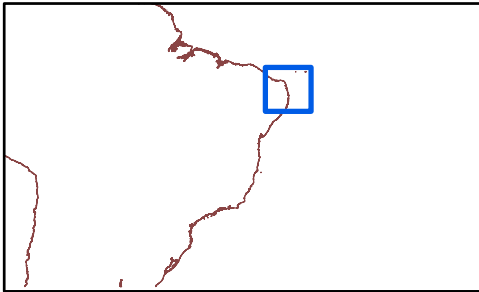


# Brazil Sea Turtle Habitat Rio Grande do Norte and Pernambuco

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Sea Turtle Presence	
<b>Loggerhead Turtle</b> ( <i>Caretta caretta</i> )	N, F
<b>Green Turtle</b> ( <i>Chelonia mydas</i> )	N, F
<b>Leatherback Turtle</b> ( <i>Dermochelys coriacea</i> )	N, F?
<b>Hawksbill Turtle</b> ( <i>Eretmochelys imbricata</i> )	N, F
<b>Kemp's Ridley Turtle</b> ( <i>Lepidochelys kempii</i> )	A
<b>Olive Ridley Turtle</b> ( <i>Lepidochelys olivacea</i> )	N, F
N = Nesting; F = Foraging; IN = Infrequent Nesting; IF = Infrequent Foraging; I = Infrequent (further detail unavailable); A = Absent	



National Policy for the Protection of Sea Turtles	
Complete (indefinite) protection	Yes
Moratorium (fixed period)	-
Prohibition(s) on take	-
Closed season	-
Minimum size limits	-
Maximum size limits	-
Annual quota	-
Permits/licenses required	-
Gear restrictions	No
Area closures (MPA, park, reserve)	Yes
Reports of exploitation/sale nationally	Yes*
Reports of illegal trade internationally	No
General public awareness of laws	Yes
Recent prosecutions or penalties	No
Enforcement considered adequate	Yes
Penalties are an adequate deterrent	No (Insufficient)
E = Eggs; N = Nests; NF = Nesting Females; - = Not Applicable; * Native Indian	

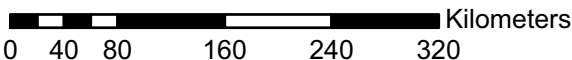


BR1

BR2



Data Providers
Maria Marcovaldi, Luciano Soares, Alexandre Santos, Cláudio Bellini
 Projeto TAMAR IBAMA
 BR PETROBRAS

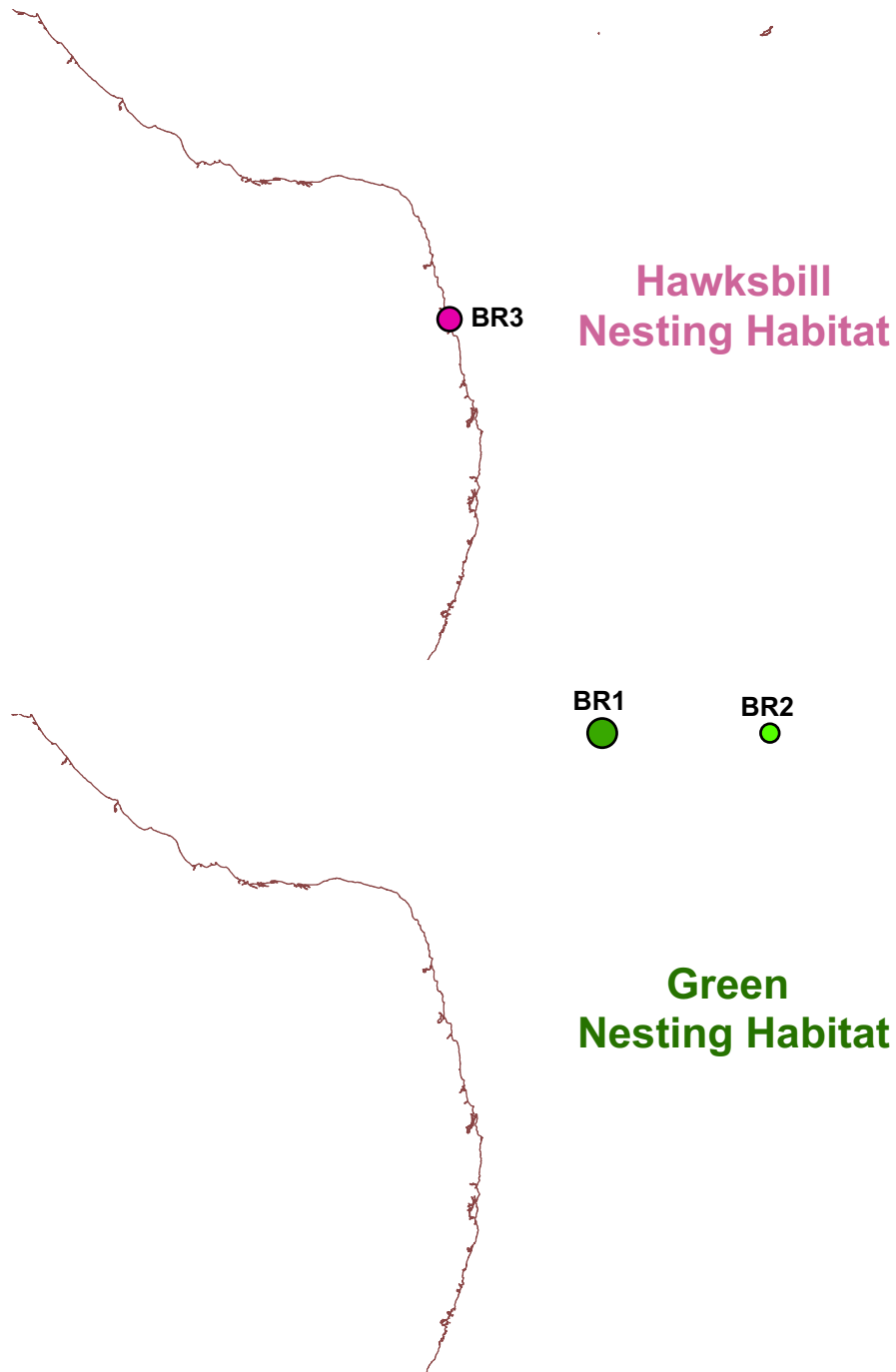


● Sea Turtle Nesting Habitat  
— GSHHS Caribbean Shoreline



# Brazil Sea Turtle Habitat Rio Grande do Norte and Pernambuco

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### Hawksbill Nesting Habitat

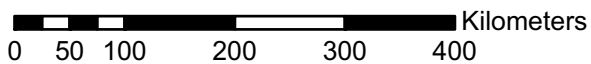
● 100-500 Crawls per year

### Green Nesting Habitat

● 25-100 Crawls per year

● 500-1000 Crawls per year

— GSHHS Caribbean Shoreline

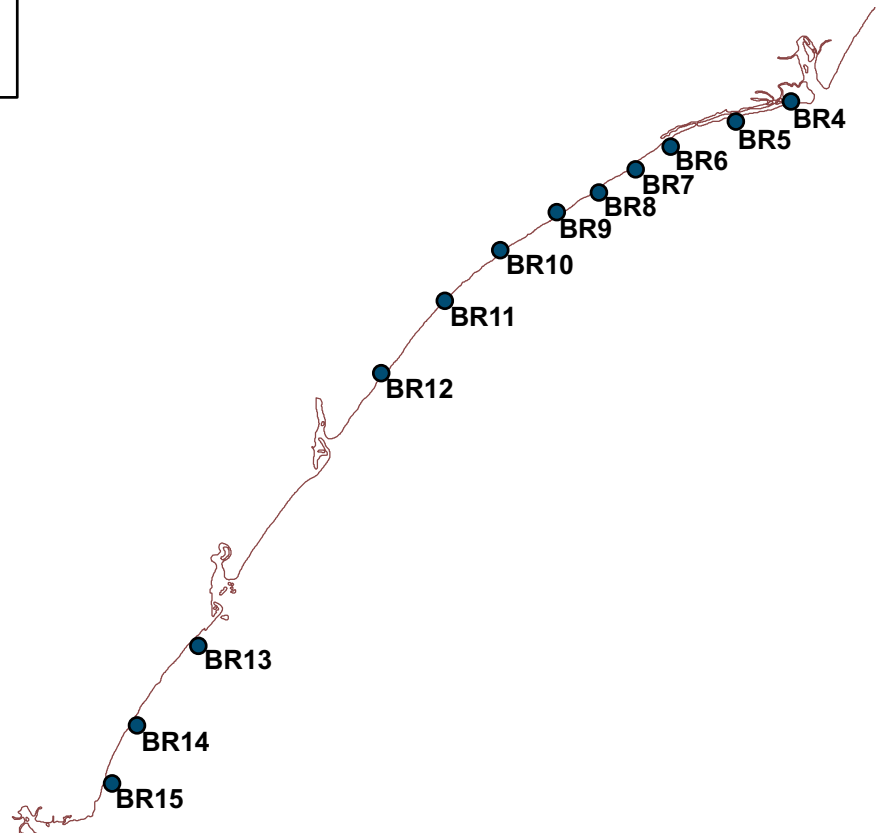
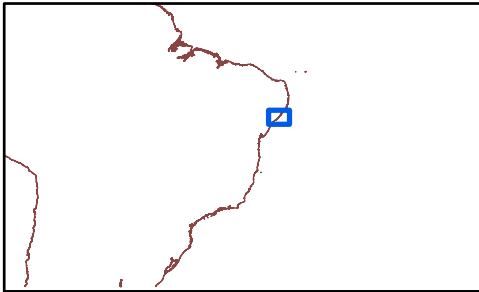




# Brazil Sea Turtle Habitat Sergipe

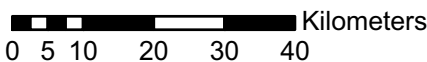
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Sea Turtle Presence	
<b>Loggerhead Turtle</b> <i>(Caretta caretta)</i>	N, F
<b>Green Turtle</b> <i>(Chelonia mydas)</i>	N, F
<b>Leatherback Turtle</b> <i>(Dermochelys coriacea)</i>	N, F?
<b>Hawksbill Turtle</b> <i>(Eretmochelys imbricata)</i>	N, F
<b>Kemp's Ridley Turtle</b> <i>(Lepidochelys kempii)</i>	A
<b>Olive Ridley Turtle</b> <i>(Lepidochelys olivacea)</i>	N, F
N = Nesting; F = Foraging; IN = Infrequent Nesting; IF = Infrequent Foraging; I = Infrequent (further detail unavailable); A = Absent	

National Policy for the Protection of Sea Turtles	
Complete (indefinite) protection	Yes
Moratorium (fixed period)	-
Prohibition(s) on take	-
Closed season	-
Minimum size limits	-
Maximum size limits	-
Annual quota	-
Permits/licenses required	-
Gear restrictions	No
Area closures (MPA, park, reserve)	Yes
Reports of exploitation/sale nationally	Yes*
Reports of illegal trade internationally	No
General public awareness of laws	Yes
Recent prosecutions or penalties	No
Enforcement considered adequate	Yes
Penalties are an adequate deterrent	No (Insufficient)
E = Eggs; N = Nests; NF = Nesting Females; - = Not Applicable; * Native Indian	



Data Providers
Maria Marcovaldi, Luciano Soares, Alexandro Santos, Augusto Cesar Coelho Dias da Silva
 Projeto TAMAR IBAMA 

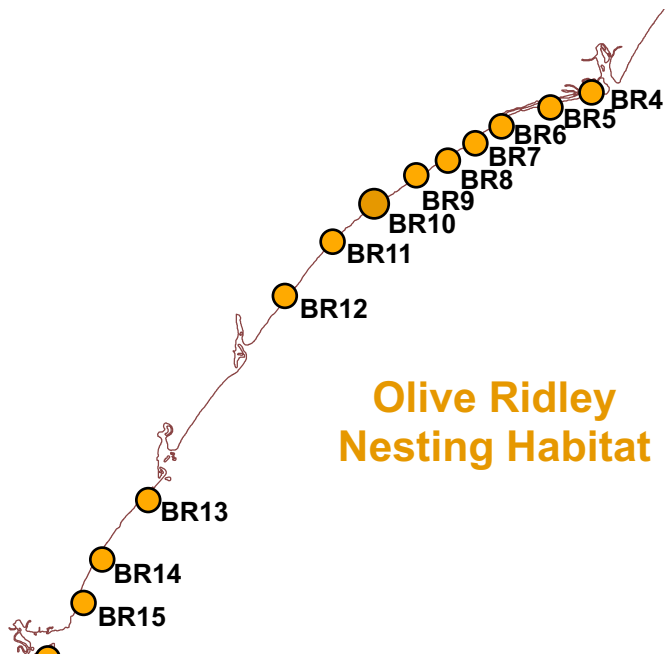
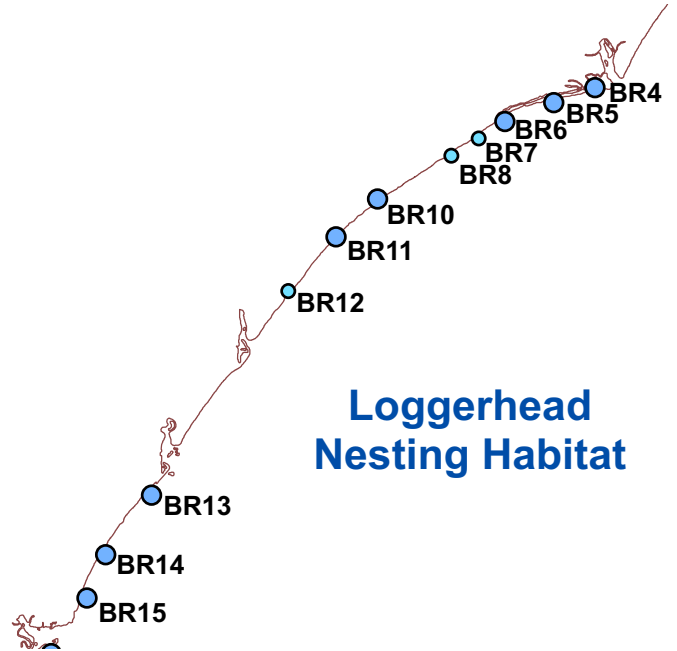
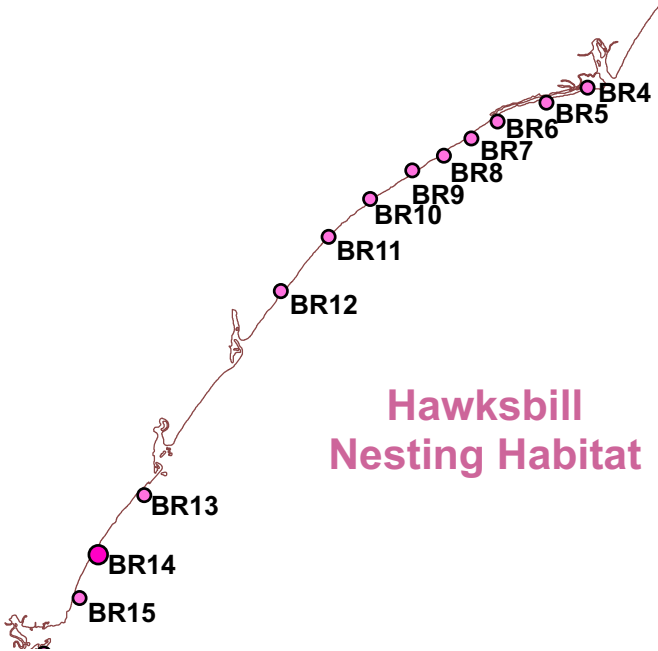


● Sea Turtle Nesting Habitat  
— GSHHS Caribbean Shoreline



# Brazil Sea Turtle Habitat Sergipe

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### Hawksbill Nesting Habitat

- <25 Crawls per year
- 25-100 Crawls per year

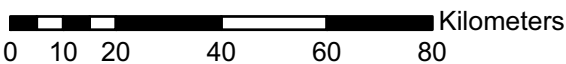
### Loggerhead Nesting Habitat

- <25 Crawls per year
- 25-100 Crawls per year

### Olive Ridley Nesting Habitat

- 100-500 Crawls per year
- 500-1000 Crawls per year

— GSHHS Caribbean Shoreline

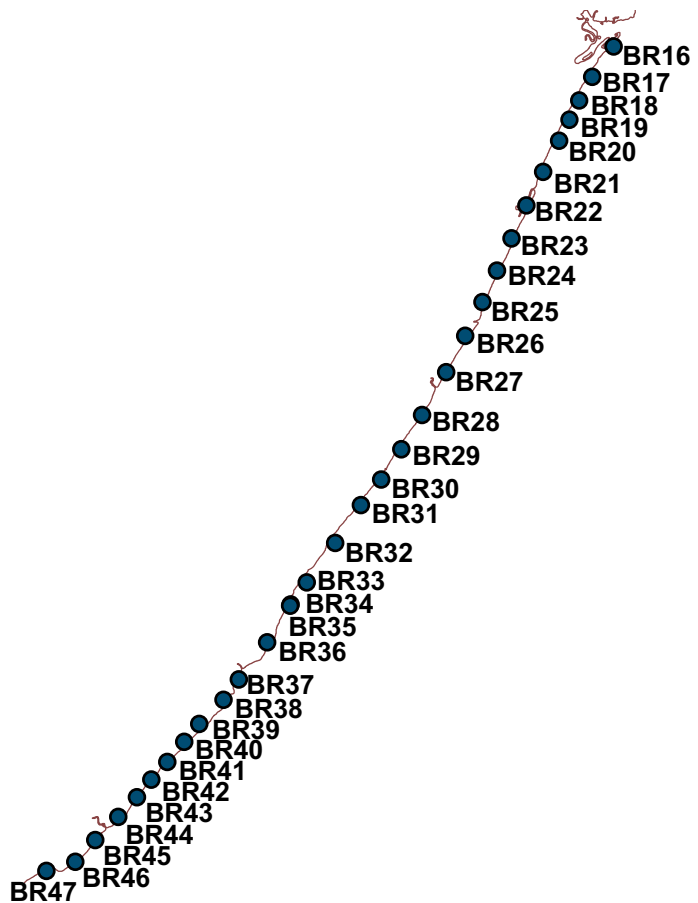
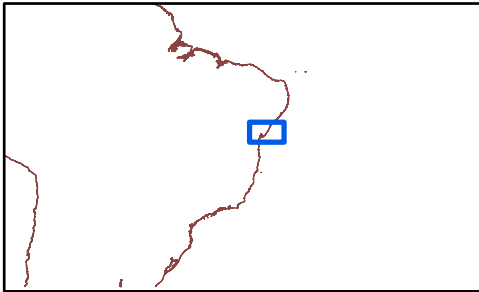


# Brazil Sea Turtle Habitat Bahia

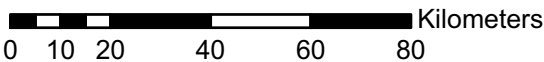
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Sea Turtle Presence	
<b>Loggerhead Turtle</b> <i>(Caretta caretta)</i>	N, F
<b>Green Turtle</b> <i>(Chelonia mydas)</i>	N, F
<b>Leatherback Turtle</b> <i>(Dermochelys coriacea)</i>	N, F?
<b>Hawksbill Turtle</b> <i>(Eretmochelys imbricata)</i>	N, F
<b>Kemp's Ridley Turtle</b> <i>(Lepidochelys kempii)</i>	A
<b>Olive Ridley Turtle</b> <i>(Lepidochelys olivacea)</i>	N, F
N = Nesting; F = Foraging; IN = Infrequent Nesting; IF = Infrequent Foraging; I = Infrequent (further detail unavailable); A = Absent	

National Policy for the Protection of Sea Turtles	
Complete (indefinite) protection	Yes
Moratorium (fixed period)	–
Prohibition(s) on take	–
Closed season	–
Minimum size limits	–
Maximum size limits	–
Annual quota	–
Permits/licenses required	–
Gear restrictions	No
Area closures (MPA, park, reserve)	Yes
Reports of exploitation/sale nationally	Yes*
Reports of illegal trade internationally	No
General public awareness of laws	Yes
Recent prosecutions or penalties	No
Enforcement considered adequate	Yes
Penalties are an adequate deterrent	No (Insufficient)
E = Eggs; N = Nests; NF = Nesting Females; – = Not Applicable; * Native Indian	



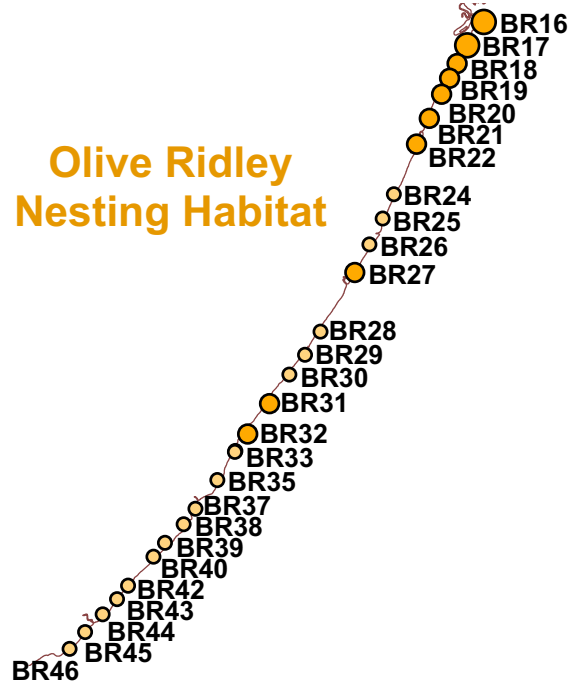
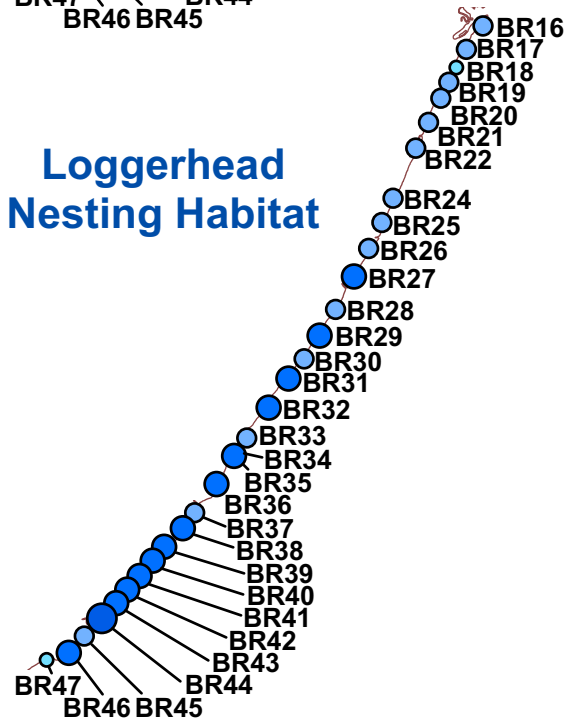
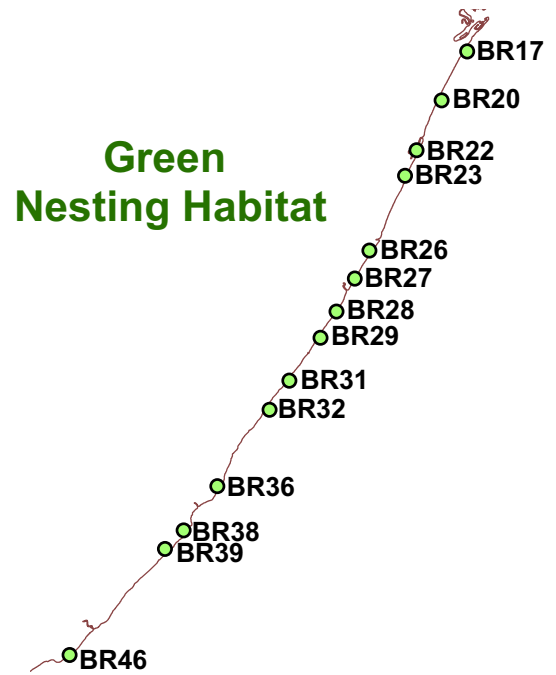
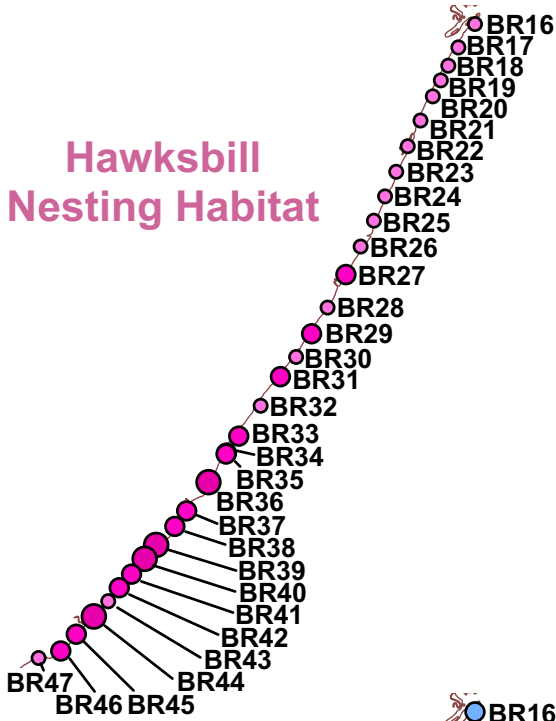
Data Providers	
Maria Marcovaldi, Luciano Soares, Alexandro Santos, Gustave Lopez	
	Projeto TAMAR IBAMA



● Sea Turtle Nesting Habitat  
 — GSHHS Caribbean Shoreline

# Brazil Sea Turtle Habitat Bahia

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**Hawksbill Nesting Habitat**

- <25 Crawls per year
- 25-100 Crawls per year
- 100-500 Crawls per year

**Loggerhead Nesting Habitat**

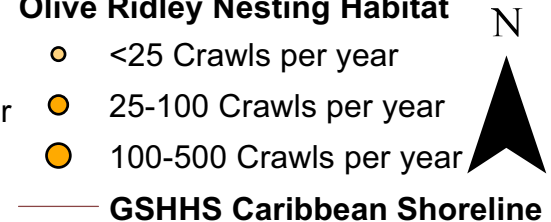
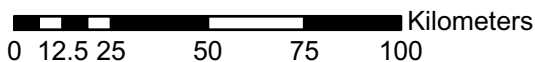
- <25 Crawls per year
- 25-100 Crawls per year
- 100-500 Crawls per year
- 500-1000 Crawls per year

**Green Nesting Habitat**

- <25 Crawls per year

**Olive Ridley Nesting Habitat**

- <25 Crawls per year
- 25-100 Crawls per year
- 100-500 Crawls per year



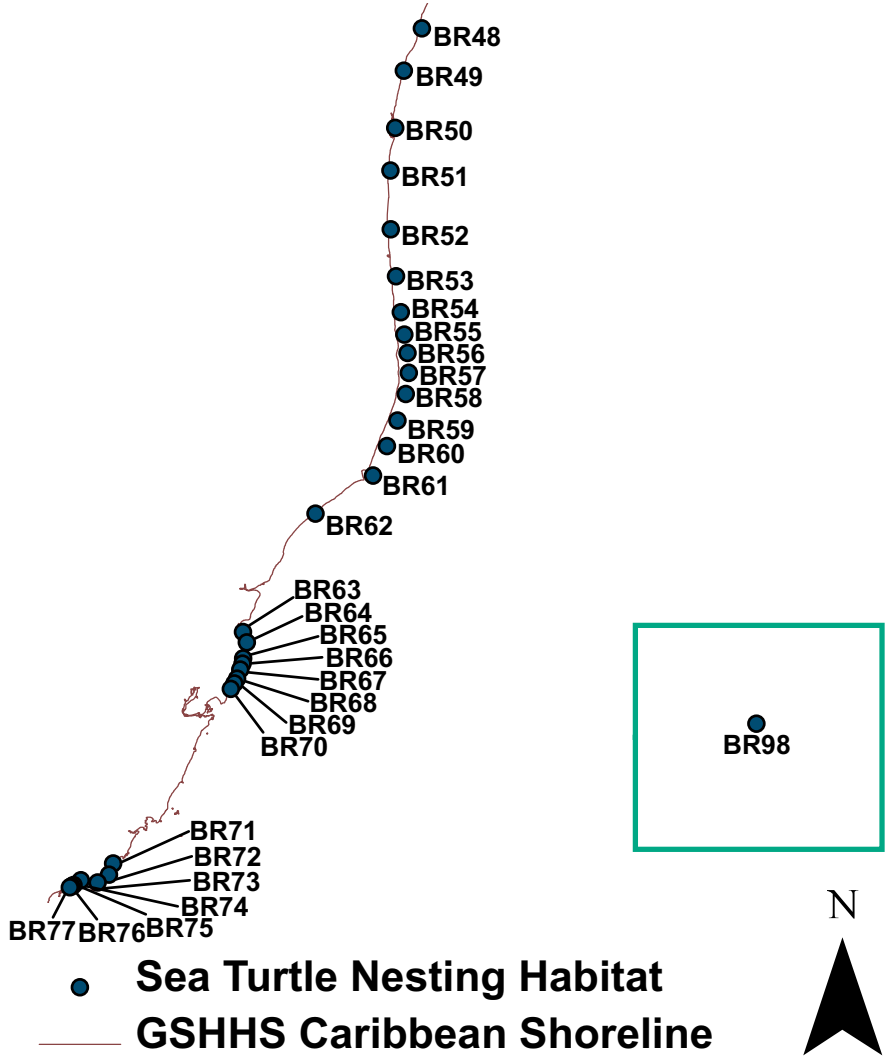
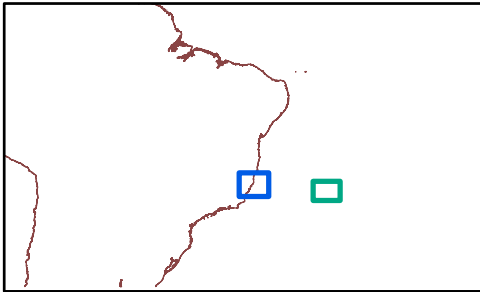
# Brazil Sea Turtle Habitat




## Espírito Santo

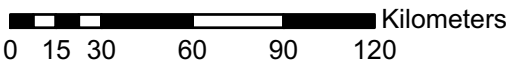
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Sea Turtle Presence	
<b>Loggerhead Turtle</b> <i>(Caretta caretta)</i>	N, F
<b>Green Turtle</b> <i>(Chelonia mydas)</i>	N, F
<b>Leatherback Turtle</b> <i>(Dermochelys coriacea)</i>	N, F?
<b>Hawksbill Turtle</b> <i>(Eretmochelys imbricata)</i>	N, F
<b>Kemp's Ridley Turtle</b> <i>(Lepidochelys kempii)</i>	A
<b>Olive Ridley Turtle</b> <i>(Lepidochelys olivacea)</i>	N, F
N = Nesting; F = Foraging; IN = Infrequent Nesting; IF = Infrequent Foraging; I = Infrequent (further detail unavailable); A = Absent	

National Policy for the Protection of Sea Turtles	
Complete (indefinite) protection	Yes
Moratorium (fixed period)	–
Prohibition(s) on take	–
Closed season	–
Minimum size limits	–
Maximum size limits	–
Annual quota	–
Permits/licenses required	–
Gear restrictions	No
Area closures (MPA, park, reserve)	Yes
Reports of exploitation/sale nationally	Yes*
Reports of illegal trade internationally	No
General public awareness of laws	Yes
Recent prosecutions or penalties	No
Enforcement considered adequate	Yes
Penalties are an adequate deterrent	No (Insufficient)
E = Eggs; N = Nests; NF = Nesting Females; – = Not Applicable; * Native Indian	



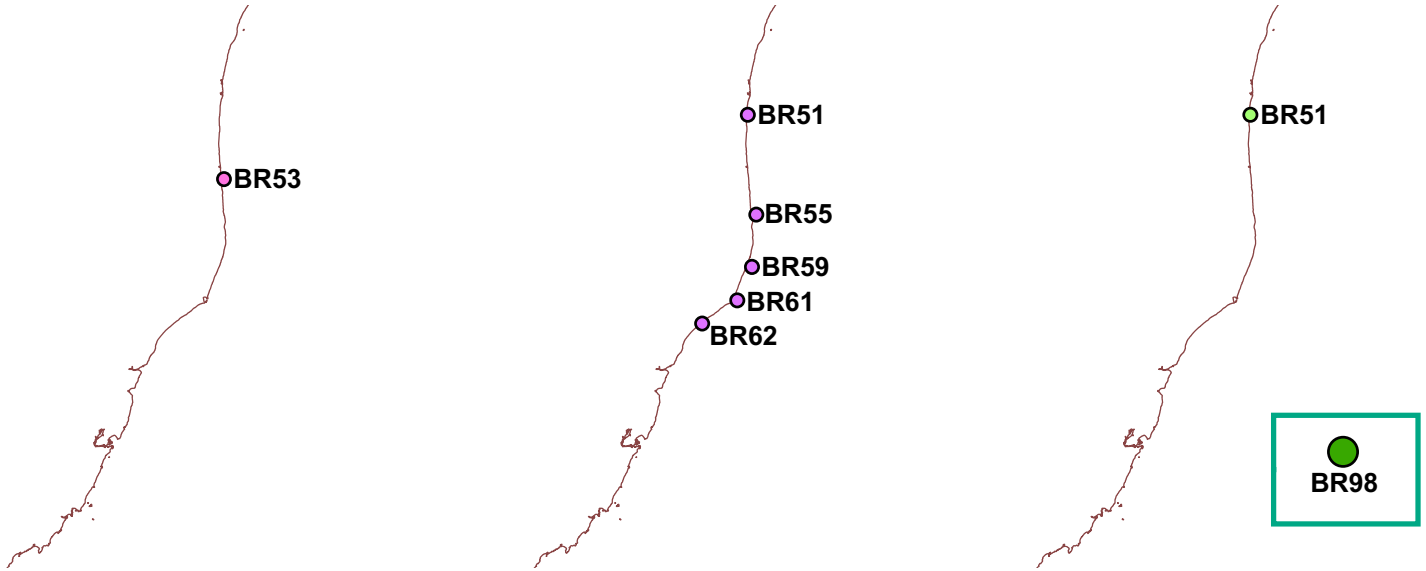
Data Providers
Maria Marcovaldi, Luciano Soares, Alexandre Santos, João Carlos Thomé
  
Projeto TAMAR IBAMA



● Sea Turtle Nesting Habitat  
 — GSHHS Caribbean Shoreline

# Brazil Sea Turtle Habitat Espírito Santo

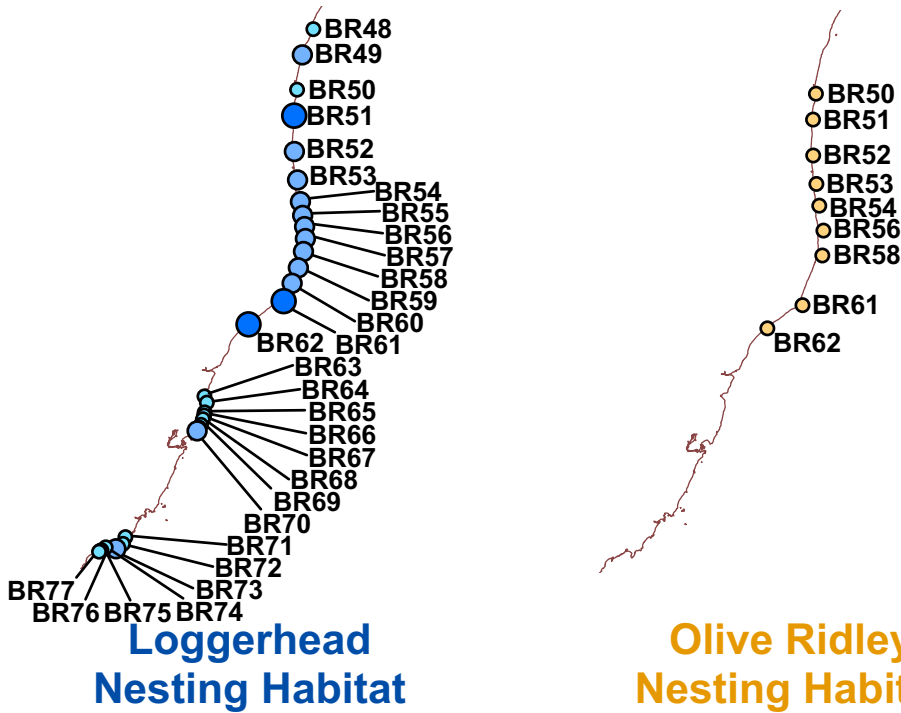
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**Hawksbill  
Nesting Habitat**

**Leatherback  
Nesting Habitat**

**Green  
Nesting Habitat**



**Loggerhead  
Nesting Habitat**

**Olive Ridley  
Nesting Habitat**

**Hawksbill Nesting Habitat**

- <25 Crawls per year

**Leatherback Nesting Habitat**

- <25 Crawls per year

**Loggerhead Nesting Habitat**

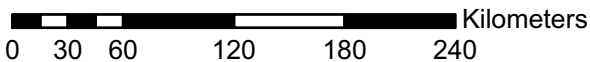
- <25 Crawls per year
- 25-100 Crawls per year
- 100-500 Crawls per year

**Green Nesting Habitat**

- <25 Crawls per year
- 500-1000 Crawls per year

**Olive Ridley Nesting Habitat**

- <25 Crawls per year



— GSHHS Caribbean Shoreline





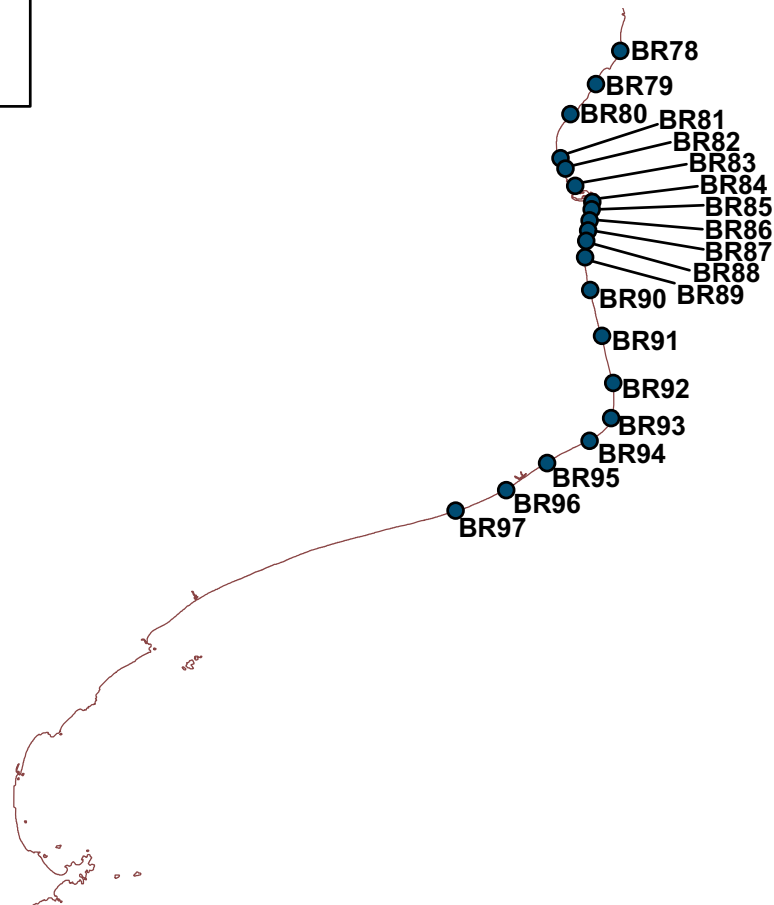
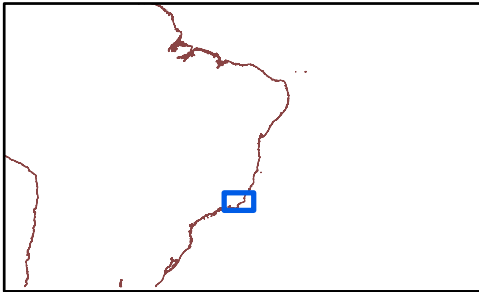
# Brazil Sea Turtle Habitat

## Rio de Janeiro

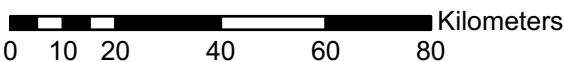
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Sea Turtle Presence	
<b>Loggerhead Turtle</b> ( <i>Caretta caretta</i> )	N, F
<b>Green Turtle</b> ( <i>Chelonia mydas</i> )	N, F
<b>Leatherback Turtle</b> ( <i>Dermochelys coriacea</i> )	N, F?
<b>Hawksbill Turtle</b> ( <i>Eretmochelys imbricata</i> )	N, F
<b>Kemp's Ridley Turtle</b> ( <i>Lepidochelys kempii</i> )	A
<b>Olive Ridley Turtle</b> ( <i>Lepidochelys olivacea</i> )	N, F
N = Nesting; F = Foraging; IN = Infrequent Nesting; IF = Infrequent Foraging; I = Infrequent (further detail unavailable); A = Absent	

National Policy for the Protection of Sea Turtles	
Complete (indefinite) protection	Yes
Moratorium (fixed period)	-
Prohibition(s) on take	-
Closed season	-
Minimum size limits	-
Maximum size limits	-
Annual quota	-
Permits/licenses required	-
Gear restrictions	No
Area closures (MPA, park, reserve)	Yes
Reports of exploitation/sale nationally	Yes*
Reports of illegal trade internationally	No
General public awareness of laws	Yes
Recent prosecutions or penalties	No
Enforcement considered adequate	Yes
Penalties are an adequate deterrent	No (Insufficient)
E = Eggs; N = Nests; NF = Nesting Females; - = Not Applicable; * Native Indian	



Data Providers
Maria Marcovaldi, Luciano Soares, Alexandre Santos, Eron Paes e Lima
 Projeto TAMAR IBAMA
 PETROBRAS

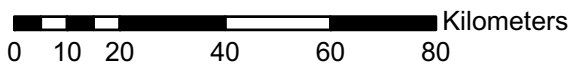
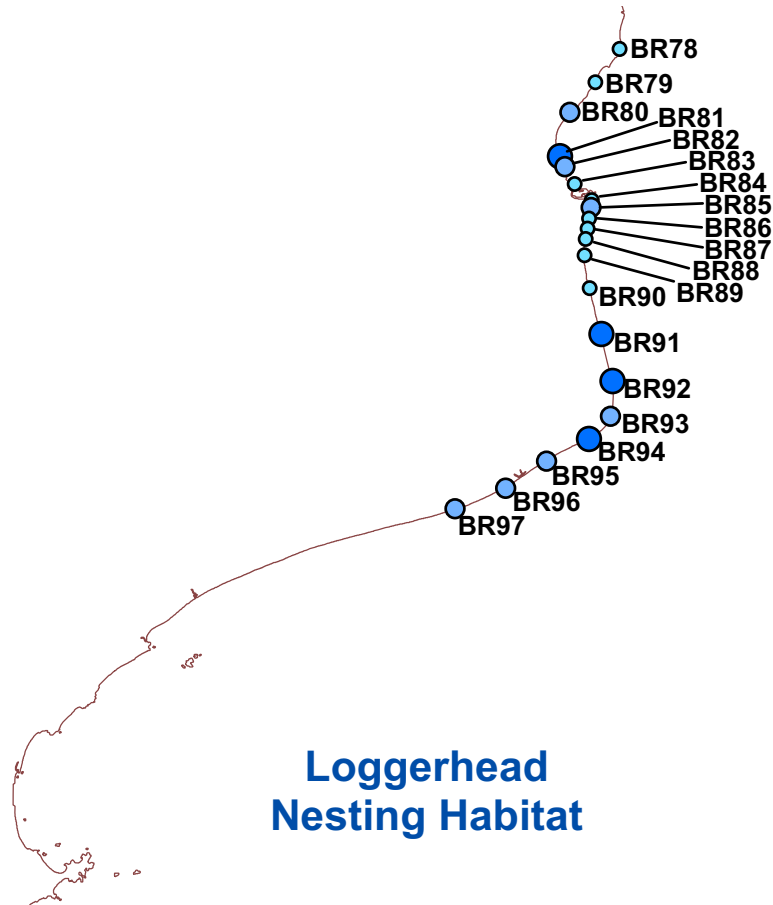


● Sea Turtle Nesting Habitat  
 — GSHHS Caribbean Shoreline



# Brazil Sea Turtle Habitat Rio de Janeiro

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### Loggerhead Nesting Habitat

- <25 Crawls per year
- 25-100 Crawls per year
- 100-500 Crawls per year

— GSHHS Caribbean Shoreline



# Brazil Sea Turtle Habitat

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Threats to Sea Turtles - Nesting		
<b>Killing of Nesting Females by Humans</b>	Yes (O)	In areas not monitored by Tamar
<b>Killing of Nesting Females by Predators</b>	Yes (R)	Dogs
<b>Nest Loss to Predators</b>	Yes (O)	Foxes, pigs and dogs
<b>Nest Loss to Abiotic Factors</b>	Yes (O)	Flood and erosion
<b>Egg Collection by Humans</b>	Yes (O)	
<b>Harassment Due to Increased Human Presence</b>	Yes (O)	Tourist encounters with nesting females
<b>Artificial Lighting</b>	Yes (FA)	
<b>Pollution</b>	Yes (U)	Sewage, garbage, tar and oil
<b>Beach Erosion/Accretion</b>	Yes (U)	Caused by natural events
<b>Beach Armouring/Stabilization Structures</b>	Yes (R)	
<b>Beach Nourishment</b>	No	
<b>Recreational Beach Equipment and/or Other Obstacles</b>	Yes (O)	Only in particular areas
<b>Mechanized Beach Cleaning</b>	No	
<b>Beach Vehicular Use</b>	Yes (FA)	
<b>Sand Mining</b>	Yes (R)	
<b>Exotic (or Loss of Native) Vegetation</b>	Yes (U)	Coconut palm trees - exotic, but present for the last 500 years
<b>Livestock Presence on the Beach</b>	Yes (O)	
Occurrence Frequency: R = Rare; O = Occasional; F = Frequent; FA = Frequent in one area; U = Unknown		

Threats to Sea Turtles - Foraging/Migration		
<b>Seagrass Degradation</b>	Unknown	
<b>Coral Reef Degradation</b>	Unknown	
<b>Fisheries Bycatch</b>	Yes (F)	Gillnets, fix cages, trawls, floating cages, pelagic longline and pelagic drift nets
<b>Hunting/Poaching</b>	Yes (O)	In areas not monitored by Tamar
<b>Pollution</b>	Yes (U)	Petroleum, sewage and marine debris
<b>Predators</b>	Unknown	
<b>Disease/Parasites</b>	Yes (U)	Fibropapillomas
<b>Harassment Due to Increased Human Presence</b>	Yes (R)	
<b>Dredging</b>	Yes (R)	
<b>Marina and Dock Development</b>	Unknown	
<b>Boat/Personal Water Craft Collisions</b>	Yes (R)	
<b>Power Plant Entrapment</b>	Yes (R)	
<b>Oil and Gas Exploration, Development, Transportation</b>	Yes (U)	
<b>Entanglement</b>	Yes (F)	Fishing net debris
<b>Offshore Artificial Lighting</b>	No	
Occurrence Frequency: R = Rare; O = Occasional; F = Frequent; FA = Frequent in one area; U = Unknown		

# Brazil Sea Turtle Habitat

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Beach Identification Codes with Beach Names			
BR1	Atol das Rocas	BR50	Conceicao da Barra
BR2	Fernando de Noronha	BR51	Guriri
BR3	Pipa	BR52	Barra Nova
BR4	Cabeço	BR53	Campo Grande
BR5	Funil	BR54	Barra Seca
BR6	Pta dos Mangues	BR55	Pontal do Ipiranga
BR7	Tigre	BR56	Ipiranga
BR8	Santa Isabel	BR57	Ipiranguinha
BR9	Lagoa Redonda	BR58	Degredo
BR10	Pirambu	BR59	Cacimbas
BR11	Rato	BR60	Monsaras
BR12	Barra dos Coqueiros	BR61	Povoação
BR13	Caueira	BR62	Comboios
BR14	Abais	BR63	Nova Almeida
BR15	Boa Viagem	BR64	Costa Bela
BR16	Mangue Seco	BR65	Jacareipe
BR17	Coqueiro	BR66	Baleia
BR18	Dunas	BR67	Manguinhos
BR19	Vapor	BR68	Bicanga
BR20	Lote	BR69	Carapebus
BR21	Costa Azul	BR70	Praia Mole
BR22	Siribinha	BR71	Mae Ba
BR23	Poças	BR72	Alem
BR24	Corre Nú	BR73	Guanabara
BR25	Barra de Itariri	BR74	Balaco
BR26	Salinas	BR75	Santa Helena
BR27	Ribeiro	BR76	Costa Azul
BR28	Baixios	BR77	Areia Preta
BR29	Mamucabo	BR78	Tatagiba
BR30	Subaúma	BR79	Barrinha
BR31	Massarandupió	BR80	Praia do Sonho
BR32	Porto Sauípe	BR81	Gargau
BR33	Santo Antonio	BR82	Praia do Sul
BR34	Sauípe	BR83	Convivencia
BR35	Imbassai	BR84	Pontal
BR36	Praia do Forte	BR85	Atafona
BR37	Itacimirim	BR86	Balneario
BR38	Guarajuba	BR87	Chapeu do Sol
BR39	Jacuípe	BR88	Grussai
BR40	Berta	BR89	Iquipari
BR41	Arembepe	BR90	Caminho das Conchas
BR42	Santa Maria	BR91	Apú
BR43	Jauá	BR92	Maria Rosa
BR44	Busca Vida	BR93	Farolzinho
BR45	Buraquinho	BR94	Farol
BR46	Itapuã	BR95	Barra do Furado
BR47	Salvador	BR96	São Miguel
BR48	Praia 2	BR97	Flexeira
BR49	Itaúnas	BR98	Ilha da Trindade