

Description of the East Brazil Large Marine Ecosystem using a trophic model

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Erratum

The columns of Table 2 in

Freire, K.M.F., V. Christensen and D. Pauly. – 2008. Description of the East Brazil Large Marine Ecosystem using a trophic model. *Scientia Marina* 72(3): 477-491.

were unfortunately shifted before printing, resulting in erroneous diet compositions. The new Table 2 presented here corrects for this.

The authors apologize for this error.

K.M.F. Freire, V. Christensen and D. Pauly.

TABLE 2. – Diet matrix for the 1970s Ecopath with Ecosim model for the marine ecosystem off northeastern Brazil^a.

Prey / Predator	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1. Manatee																		
2. Baleen whales																		
3. Toothed cetaceans			0.0035															
4. Seabirds			0.0177															
5. Sea turtles																0.0082		
6. Tunas							0.0086											
7. Other large pelagics							0.0126	0.0251										
8. Dolphinfish										0.0264	0.1702							
9. Dolphinfish juv.										0.0264	0.0351							
10. Swordfish						0.0029	0.0105	0.1783		0.0019								
11. Sharks											0.0194							
12. Rays												0.0084						
13. Small pelagics		0.2500	0.0834	0.0976		0.4568	0.1626	0.3247	0.2273	0.0153	0.0835	0.1239	0.0302	0.0877	0.3944	0.0107	0.0100	0.0649
14. Needlefishes						0.0034	0.0034	0.0059	0.0041						0.1972	0.0100	0.0649	
15. Southern red snapper						0.0034	0.0001	0.0001		0.0003	0.0114				0.0295	0.0193		
16. Large carnivorous reef fishes						0.0310	0.0009	0.0009		0.0030	0.1030				0.0986	0.1915	0.0942	
17. Small carnivorous reef fishes						0.0247	0.1089	0.3023	0.3023	0.1235	0.1158	0.0158						
18. Herbivorous reef fishes						0.0019	0.0012	0.0003	0.0003	0.0003	0.0402	0.0071				0.0404	0.0188	
19. Omnivorous reef fishes						0.0377	0.1245	0.0535	0.0535	0.2989	0.0553	0.0014				0.0986	0.0267	0.0188
20. Demersal fishes							0.0003	0.0003	0.0003		0.0734	0.3537				0.0392		
21. Mulletts		0.0720	0.2890	0.1331	0.0163									0.0015				
22. Spotted goatfish				0.0000														
23. Benthopelagic fishes				0.0001			0.0069			0.0046	0.0605					0.0295	0.0051	0.0002
24. Bathypelagic fishes		0.0300	0.0845	0.0063		0.2978	0.3547	0.0659	0.0659	0.3602	0.0376							
25. Spiny lobsters																		
26. Other lobsters						0.0034												
27. Shrimps			0.0043	0.0001	0.0014					0.0001	0.0002					0.0002		
28. Crabs			0.2209	0.0739	0.0022	0.0022	0.0003	0.0001	0.0001	0.0092	0.0038	0.0680	0.0103	0.1081	0.0457	0.2012	0.1353	
29. Squids		0.0060	0.4790	0.0192	0.0968	0.1552	0.0281	0.2809	0.1272	0.0766	0.0005			0.0457	0.2563	0.1349		
30. Octopus			0.0043		0.0126	0.0186	0.0022	0.0022	0.0022	0.0567	0.0018			0.0101	0.0032	0.0009		
31. Other molluscs			0.0300	0.0048	0.0328									0.0101	0.0323			
32. Other crustaceans			0.0057		0.0229	0.0003	0.0003	0.0003	0.0002	0.0002	0.1433	0.0374		0.0406	0.0055	0.1923		
33. Other invertebrates		0.0135	0.0043	0.2969	0.2200					0.0016	0.0617	0.1432	0.0143		0.0306	0.0643		
34. Zooplankton		0.6420	0.1057	0.4539	0.0118	0.0060	0.0004	0.0002	0.0510	0.0077	0.0350	0.0283	0.1195		0.0030	0.0732		
35. Corals					0.0118					0.0001	0.0348	0.3935	0.6100		0.0026	0.1373		
36. Microfauna																		
37. Phytoplankton					0.1569							0.2077						
38. Macroalgae												0.0436	0.0173					
39. Mangroves																		
40. Seagrasses					0.0302							0.0003	0.0199					
41. Detritus					0.1095	0.0028												
																		1.0000

TABLE 2 (cont.). – Diet matrix for the 1970s Ecosim model with Ecosim model for the marine ecosystem off northeastern Brazil^a.

Prey / Predator	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
1. Manatee																		
2. Baleen whales																		
3. Toothed cetaceans																		
4. Seabirds																		
5. Sea turtles																		
6. Tunas																		
7. Other large pelagics																		
8. Dolphinfish																		
9. Dolphinfish juv.																		
10. Swordfish																		
11. Sharks																		
12. Rays																		
13. Small pelagics	0.0004	0.0016			0.0929	0.0954												
14. Needlefishes					0.0465													
15. Southern red snapper																		
16. Large carnivorous reef fishes	0.0001					0.0002												
17. Small carnivorous reef fishes	0.0071					0.0003												
18. Herbivorous reef fishes	0.0002			0.0440		0.0218												
19. Omnivorous reef fishes	0.0019					0.0003												
20. Demersal fishes	0.0599	0.0500			0.0443	0.0003												
21. Mulllets	0.0314				0.0446						0.0392	0.0228						
22. Spotted goatfish																		
23. Benthopelagic fishes					0.0443													
24. Bathypelagic fishes					0.0076	0.0564												
25. Spiny lobsters	0.0008					0.0001												
26. Other lobsters	0.0405	0.2587		0.2250	0.2210	0.0255												
27. Shrimps	0.2336	0.0718		0.3110	0.0036		0.4785		0.1934	0.1612	0.0730							
28. Crabs	0.0004					0.0051			0.0422	0.0123	0.0110							
29. Squids	0.0045					0.0003				0.0003	0.1113							
30. Octopus	0.1749	0.0084	0.0024	0.0770	0.0412	0.0309	0.2930	0.5000	0.0021	0.0090	0.1856	0.0087						
31. Other molluscs	0.2791	0.1729	0.0050	0.1530	0.3046	0.0839			0.3689	0.0726	0.0615	0.1961						
32. Other crustaceans	0.0849	0.2021	0.0024	0.1900	0.0887	0.0371	0.1075	0.5000	0.0398	0.0905	0.1144	0.0172	0.0113	0.0159				
33. Other invertebrates	0.0074	0.1567	0.0050		0.0607	0.6429			0.1682	0.0054	0.5975	0.0251	0.0779	0.0273	0.0438	0.0500	0.1625	
34. Zooplankton							0.0054							0.0001	0.0003			
35. Corals	0.0001									0.0018				0.1985	0.1182	0.0696	0.4000	0.5875
36. Microfauna	0.0470	0.0407	0.1050							0.0009				0.5020	0.0339	0.3300		
37. Phytoplankton										0.0710	0.1179			0.0752	0.3086	0.1429		0.0134
38. Macroalgae										0.2624								0.0045
39. Mangroves	0.0114									0.0013								0.00004
40. Seagrasses	0.0137	0.0361	0.6685															
41. Detritus									0.3499	0.2026				0.1204	0.5344	0.6889	0.2200	0.2500

^aFunctional groups 37–40 and 41 do not require predator column as they refer to primary producers and to the product of the degradation of all groups included in the model, respectively.