

APPENDIX TABLES

Table 1. List of protected areas that make up the Lagamar Mosaic, the federal, state and municipal levels, including the Guaraqueçaba Ecological Station (in bold).

Sources: Brasil (MMA) (<http://www.icmbio.gov.br/portal/o-que-fazemos/mosaicos-e-corredores-ecologicos/mosaicos-reconhecidos-oficialmente/ucs-mosaicos-e-corredores/1877-unidades-de-conservacao-mosaico-do-litoral-sul-de-sao-paulo-e-do-litoral-do-parana-lagamar.html>) and Fapesp (<http://www.fapesp.br/8386>).

Conservation Units and the Management Scale			
Federal	State	Municipal	Private
Cananéia-Iguape-Peruíbe Environmental Protection Area (EPA) (SP)	Marumbi Tourist Interest Special Area (PR)	Morro do Espia Municipal Forest Park (Iguape)	Águas Belas Private Natural Heritage Reserve (PRNH) (PR)
Guaraqueçaba EPA (PR)	Guaratuba EPA (PR)		Morro da Mina PRNH (PR)
Ilha da Queimada Grande e Queimada Pequena Relevant Ecological Interest Area (PR)	Ilha Comprida EPA (SP)		Rio Cachoeira PRNH (PR)
Ilha do Ameixal Relevant Ecological Interest Area (SP)	Marine South Coast EPA (SP)		Salto Morato PRNH (PR)
Guaraqueçaba Ecological Station (PR)	Guará Relevant Ecological Interest Area (SP)		Sebuí PRNH (PR)
Tupiniquins Ecological Station (SP)	Banhados de Iguape Ecological Station (SP)		Serra Itaquí PRNH (PR)
Saint-Hilaire/Lange National Park (PR)	Chauás Ecological Station (SP)		Vô Borges PRNH (PR)
Superagui National Park (PR)	Guaraguaçu Ecological Station (PR)		Serra dos Itatins PRNH (SP)
Mandira Extractive Reserve (SP)	Ilha do Mel Ecological Station (PR)		
	Juréia-Itatins Ecological Station (SP)		
	Palmito State Forest (PR)		

Conservation Units and the Management Scale			
Federal	State	Municipal	Private
	Boguaçu State Park (PR)		
	Campina do Encantado State Park (SP)		
	Graciosa State Park (PR)		
	Ilha do Mel State Park (PR)		
	Lagamar de Cananéia State Park (SP)		
	Pau Oco State Park (PR)		
	Rio das Onças State Park (PR)		
	Ilha do Cardoso State Park (SP)		
	Pico do Marumbi State Park (PR)		
	Pico Paraná State Park (PR)		
	Roberto Ribas Lange State Park (PR)		
	Serra da Baitaca State Park (PR)		
	Itapanhapima Sustainable Development Reserve (SP)		
	Ilha do Tumba Extractive Reserve (SP)		
	Taquari Extractive Reserve (SP)		

Table 2. Taxonomic classification of the ichthyofauna recorded in the Paranaguá Estuarine Complex, Southwest Atlantic. Source: Adapted from Passos et al. (2012).

Geographic distribution: CT = circuntropical, TA = Trans-Atlantic, WA = Western Atlantic, SWA = Southern West Atlantic, SSWA = Southern South West Atlantic, Ca = Caribbean, Br = Brazilian Province, EA = Eastern Atlantic, EP = Eastern Pacific, ? = not found. In yellow, commercial species, according to the South coast fishing data São Paulo (Mendonça & Miranda, 2008).

N.	Order	Family	Species	Geographic distribution
1	Torpediniformes	Narcinidae	<i>Narcine brasiliensis</i>	WA
2	Rajiformes	Rhinobatidae	<i>Rhinobatos horkelii</i>	SWA
3			<i>R. percellens</i>	TA
4		Dasyatidae	<i>Dasyatis guttata</i>	Ca+Br
5		Gymnuridae	<i>Gymnura altavela</i>	TA
6	Elopiformes	Elopidae	<i>Elops saurus</i>	WA
7	Albuliformes	Albulidae	<i>Albula vulpes</i>	WA
8	Anguilliformes	Muraenidae	<i>Gymnothorax ocellatus</i>	Ca+SWA
9		Ophichthidae	<i>Echiophis intertinctus</i>	WA
10			<i>Myrophis punctatus</i>	WA
11			<i>Ophichthus gomesii</i>	WA
12		Congridae	<i>Conger orbignianus</i>	SSWA
13		Muraenesocidae	<i>Cynoponticus savanna</i>	Ca+Br
14		Nettastomatidae	<i>Hoplunnis tenuis</i>	WA
15	Clupeiformes	Clupeidae	<i>Brevoortia</i> sp.	?
16			<i>Chirocentron bleekermanus</i>	Ca+Br
17			<i>Harengula clupeola</i>	WA
18			<i>H. jaguana</i>	WA
19			<i>Opisthonema oglinum</i>	WA
20			<i>Platanichthys platana</i>	SSWA
21			<i>Sardinella brasiliensis</i>	SSWA
22		Engraulidae	<i>Anchoa filifera</i>	Ca+Br
23			<i>A. hepsetus</i>	WA
24			<i>A. januaria</i>	Br
25			<i>A. lyolepis</i>	WA
26			<i>A. spinifer</i>	Ca+Br+EP
27			<i>A. tricolor</i>	SWA
28			<i>Anchovia clupeoides</i>	Ca+Br
29			<i>Anchoviella brevirostris</i>	Br
30			<i>A. lepidentostole</i>	Br
31			<i>Cetengraulis edentulus</i>	Ca+Br

N.	Order	Family	Species	Geographic distribution
32	Clupeiformes	Engraulidae	<i>Engraulis anchoita</i>	SSWA
33			<i>Lycengraulis grossidens</i>	Br+SWA
34		Pristigasteridae	<i>Pellona harroneri</i>	Ca+Br
35	Siluriformes	Ariidae	<i>Bagre bagre</i>	Ca+Br
36		Ariidae	<i>Catborops spixii</i>	Ca+Br
37			<i>Genidens barbuis</i>	SSWA
38			<i>G. genidens</i>	SSWA
39			<i>Notarius luniscutis</i>	Br
40	Osmeriformes	Argentiniidae	<i>Glossanodon pygmaeus</i>	WA
41	Aulopiformes	Synodontidae	<i>Synodus foetens</i>	WA
42	Gadiformes	Phycidae	<i>Urophycis brasiliensis</i>	SSWA
43	Batrachoidiformes	Batrachoididae	<i>Batrachoides</i> sp.	?
44			<i>Opsanus beta</i>	Ca
45			<i>Porichthys porosissimus</i>	SSWA
46	Lophiiformes	Ogcocephalidae	<i>Ogcocephalus vespertilio</i>	Ca+SWA
47	Gobiesociformes	Gobiesocidae	<i>Gobiesox strumosus</i>	WA
48	Atheriniformes	Atherinopsidae	<i>Atherinella brasiliensis</i>	Ca+Br
49			<i>Membras dissimilis</i>	SSWA
50			<i>Odontesthes bonariensis</i>	SSWA
51			<i>O. Incisa</i>	SSWA
52	Cyprinodontiformes	Poeciliidae	<i>Poecilia vivipara</i>	Br+SWA
53	Beloniformes	Belonidae	<i>Strongylura marina</i>	WA
54			<i>S. timucu</i>	WA
55		Hemiramphidae	<i>Hemiramphus brasiliensis</i>	TA
56			<i>Hyporhamphus roberti</i>	WA+EP
57			<i>H. unifasciatus</i>	WA+EP
58		Exocoetidae	<i>Parexocoetus brachypterus</i>	TA+EP
59	Syngnathiformes	Fistulariidae	<i>Fistularia petimba</i>	TA
60			<i>F. tabacaria</i>	TA
61		Syngnathidae	<i>Bryx dunckeri</i>	WA
62			<i>Cosmocampus elucens</i>	WA
63			<i>Hippocampus reidi</i>	WA
64			<i>Pseudopallus mindii</i>	Ca+Br
65			<i>Syngnathus folletti</i>	SWA
66			<i>S. pelagicus</i>	WA

N.	Order	Family	Species	Geographic distribution
67	Scorpaeniformes	Scorpaenidae	<i>Pontinus rathbuni</i>	WA
68			<i>Scorpaena brasiliensis</i>	WA
69			<i>S. isthmensis</i>	WA
70			<i>S. plumieri</i>	WA
71		Dactylopteridae	<i>Dactylopterus volitans</i>	TA
72		Triglidae	<i>Prionotus nudigula</i>	SSWA
73			<i>P. punctatus</i>	Ca+SWA
74	Perciformes	Centropomidae	<i>Centropomus parallelus</i>	WA
75			<i>C. undecimalis</i>	WA
76		Acropomatidae	<i>Synagrops bellus</i>	TA
77		Serranidae	<i>Acanthistius brasilianus</i>	SSWA
78			<i>Alphestes afer</i>	TA
79			<i>Diplectrum radiale</i>	WA
80			<i>Epinephelus itajara</i>	WA
81			<i>Hyportodus nigrurus</i>	WA
82			<i>Mycteroperca bonaci</i>	WA
83			<i>M. rubra</i>	TA
84			<i>Rypticus randalli</i>	Ca+Br
85		Pomatomidae	<i>Pomatomus saltatrix</i>	CT
86		Carangidae	<i>Carangoides bartholomaei</i>	WA
87			<i>Caranx hippos</i>	TA
88			<i>C. latus</i>	TA
89			<i>C. ruber</i>	WA
90			<i>Chloroscombrus chrysurus</i>	TA
91			<i>Hemicaranx amblyrhynchus</i>	WA
92			<i>Oligoplites palometa</i>	Ca+Br
93			<i>O. saliens</i>	Ca+SWA
94			<i>O. saurus</i>	WA
95			<i>Selene setapinnis</i>	WA
96			<i>S. vomer</i>	WA
97			<i>Seriola lalandi</i>	CT
98			<i>Trachinotus carolinus</i>	WA
99			<i>T. falcatus</i>	WA
100			<i>T. goodei</i>	WA
101			<i>T. marginatus</i>	SSWA

N.	Order	Family	Species	Geographic distribution
102	Perciformes	Carangidae	<i>Uraspis secunda</i>	CT
103		Lutjanidae	<i>Lutjanus analis</i>	WA
104			<i>L. griseus</i>	WA
105			<i>L. synagris</i>	WA
106		Lobotidae	<i>Lobotes surinamensis</i>	CT
107		Gerreidae	<i>Diapterus auratus</i>	WA
108			<i>Diapterus rhombeus</i>	Ca+Br
109			<i>Eucinostomus argenteus</i>	WA+EP
110			<i>E. gula</i>	WA
111			<i>E. melanopterus</i>	TA
112			<i>Eugerres brasiliensis</i>	WA
113			<i>Ulaema lefroyi</i>	Ca+Br
114		Haemulidae	<i>Anisotremus surinamensis</i>	WA
115			<i>A. virginicus</i>	WA
116			<i>Boridia grossidens</i>	SSWA
117			<i>Conodon nobilis</i>	WA
118			<i>Genyatremus luteus</i>	Ca+Br
119			<i>Haemulon steindachneri</i>	Ca+SWA
120			<i>Orthopristis ruber</i>	Ca+SWA
121			<i>Pomadasys corvinaeformis</i>	Ca+SWA
122			<i>P. ramosus</i>	Ca+Br
123		Sparidae	<i>Archosargus probatocephalus</i>	WA
124			<i>Archosargus rhomboidalis</i>	WA
125			<i>Calamus penna</i>	WA
126			<i>Diplodus argenteus</i>	SWA
127		Sciaenidae	<i>Bairdiella ronchus</i>	Ca+Br
128			<i>Ctenosciaena gracilicirrus</i>	Ca+Br
129			<i>Cynoscion acoupa</i>	Ca+SWA
130			<i>C. jamaicensis</i>	Ca+SWA
131			<i>C. leiarchus</i>	Ca+Br
132			<i>C. microlepidotus</i>	Br
133			<i>C. striatus</i>	SSWA
134			<i>C. virescens</i>	Ca+Br
135			<i>Isopisthus parvipinnis</i>	Ca+Br
136			<i>Larimus breviceps</i>	Ca+Br

N.	Order	Family	Species	Geographic distribution
137	Perciformes	Sciaenidae	<i>Macrodon atricauda</i>	Br+SWA
138			<i>Menticirrbus americanus</i>	WA
139			<i>M. littoralis</i>	WA
140			<i>Micropogonias furnieri</i>	Ca+SWA
141			<i>Nebris microps</i>	Br
142			<i>Ophioscion punctatissimus</i>	Ca+Br
143			<i>Paralonchurus brasiliensis</i>	Ca+SWA
144			<i>Pogonias cromis</i>	WA
145			<i>Stellifer brasiliensis</i>	Br
146			<i>S. rastrifer</i>	Br+SSWA
147			<i>S. stellifer</i>	Br
148			<i>Umbrina canosai</i>	SSWA
149			<i>U. coroides</i>	WA
150		Polynemidae	<i>Polydactylus oligodon</i>	WA
151			<i>P. virginicus</i>	WA
152		Mullidae	<i>Mullus auratus</i>	WA
153			<i>Pseudupeneus maculatus</i>	WA
154			<i>Upeneus parvus</i>	WA
155		Mugilidae	<i>Mugil curema</i>	TA+EP
156			<i>M. curvidens</i>	Ca+Br
157			<i>M. incilis</i>	Ca+Br
158			<i>M. liza</i>	WA
159			<i>Mugil</i> sp.	?
160		Cichlidae	<i>Geophagus brasiliensis</i>	SSWA
161			<i>Oreochromis niloticus</i>	EA
162		Uranoscopidae	<i>Astroscopus sexspinosus</i>	SSWA
163			<i>A. y-graecum</i>	WA
164		Pinguipedidae	<i>Pinguipes brasiliannus</i>	SSWA
165		Clinidae	<i>Ribeiroclinus eigenmanni</i>	SSWA
166		Blenniidae	<i>Hypleurochilus</i> sp.	?
167			<i>Parablennius pilicornis</i>	TA
168		Eleotridae	<i>Dormitator maculatus</i>	WA
169			<i>Eleotris pisonis</i>	WA
170			<i>Guavina guavina</i>	WA
171		Gobiidae	<i>Awaous tajasica</i>	WA

N.	Order	Family	Species	Geographic distribution
172	Perciformes	Gobiidae	<i>Bathygobius soporator</i>	TA
173			<i>Ctenogobius boleosoma</i>	WA
174			<i>C. shufeldti</i>	WA
175			<i>C. smaragdus</i>	WA
176			<i>C. stigmaticus</i>	WA
177			<i>Gobioides broussonnetii</i>	WA
178			<i>Gobionellus oceanicus</i>	WA
179			<i>Microgobius meeki</i>	Ca+Br
180		Ephippidae	<i>Chaetodipterus faber</i>	WA
181		Sphyraenidae	<i>Sphyraena barracuda</i>	CT
182			<i>S. guachancho</i>	TA
183			<i>S. picudilla</i>	WA
184			<i>S. tome</i>	SSWA
185		Trichiuridae	<i>Trichiurus lepturus</i>	CT
186		Scombridae	<i>Acanthocybium solandri</i>	CT
187			<i>Scomberomorus brasiliensis</i>	Ca+Br
188			<i>S. cavalla</i>	WA
189		Stromateidae	<i>Peprilus paru</i>	WA
190	Pleuronectiformes	Paralichthyidae	<i>Citharichthys arenaceus</i>	WA
191			<i>C. macrops</i>	WA
192			<i>C. spilopterus</i>	WA
193			<i>Etropus crossotus</i>	WA+EP
194			<i>Paralichthys brasiliensis</i>	SWA
195			<i>P. orbignyanus</i>	SSWA
196			<i>P. patagonicus</i>	SSWA+EP
197			<i>P. tropicus</i>	WA
198			<i>Syacium papillosum</i>	WA
199		Pleuronectidae	<i>Oncopterus darwini</i>	SSWA
200			<i>Pleuronectes</i> sp.	?
201		Achiridae	<i>Achirus declivis</i>	WA
202			<i>A. lineatus</i>	WA
203			<i>Trinectes microphthalmus</i>	Ca+Br
204			<i>T. paulistanus</i>	Ca+Br
205		Cynoglossidae	<i>Symphurus plagusia</i>	Ca+Br
206			<i>S. tessellatus</i>	Ca+Br+SSWA

N.	Order	Family	Species	Geographic distribution
207	Tetraodontiformes	Monacanthidae	<i>Stephanolepis hispidus</i>	TA
208		Tetraodontidae	<i>Lagocephalus laevigatus</i>	TA
209			<i>Sphoeroides greeleyi</i>	Ca+Br
210			<i>S. spengleri</i>	TA
211			<i>S. testudineus</i>	WA
212			<i>S. tyleri</i>	Br
213		Diodontidae	<i>Chilomycterus spinosus</i>	SWA

Table 3. Species of birds in mangroves of Paranaguá region. Source: Adapted from Mestre et al. (2007).

Behaviour: **R:** residents; **L:** species that moves locally for reproduction; **M:** species that migrate regionally or intertropics; **N:** Neartic migratory species (adapted from Olmos and Silva-e-Silva 2001);

Guilds: **CFSaco:** Consumers of Fruits, Seeds and Arthropods of canopy; **CFSate:** Consumers of Fruits, Seeds and Arthropods of all strata; **CFSco:** Consumers of Fruits, Seeds of canopy; **CGEca:** Aquatic Generalist Consumers; **CGEso:** Terrestrial Generalist Consumers; **CGEte:** Generalist Consumers in all strata; **CNEte:** Consumers of Nectar in all strata; **PINco:** Predators of Invertebrates in canopy; **PINca:** Predators of Invertebrates in the water, **PINso:** Terrestrial Predators of Invertebrates, **PINsu:** Predator of Invertebrates in understory; **PINtr:** Predator of Invertebrates in tree trunks; **PISea:** Predator of Insects in the air; **PIVte:** Predator of Invertebrates and Vertebrates in all strata; **PPEca:** Predators of fishes (adapted from Moraes, 1995).

Status: **IUCN-V:** vulnerable; **CITES** (the Convention on International Trade in Endangered Species of Wild Fauna and Flora); **AmIB:** endangered species in Brazil.

N.	Species/ Family	Behaviour / Status	Guilds
	PHALACROCORACIDAE		
1	<i>Phalacrocorax brasilianus</i>	R	PPEca
	ARDEIDAE		
2	<i>Ardea cocoi</i>	R	CGEca
3	<i>Casmerodius albus</i>	R	CGEca
4	<i>Egretta thula</i>	R	CGEca
5	<i>Egretta caerulea</i>	R	CGEca
6	<i>Butorides striatus</i>	R	CGEca
7	<i>Nycticorax nycticorax</i>	R	CGEca
8	<i>Nyctanassa violacea</i>	R	CGEca
	THRESKIORNITHIDAE		
9	<i>Platalea ajaja</i>	R	PINca
	CATHARTIDAE		
10	<i>Coragyps atratus</i>	R	CGEte
11	<i>Cathartes aura</i>	R	CGEso
	ANATIDAE		
12	<i>Anas bahamensis</i>	L	PINca
13	<i>Cairina moschata</i>	L	PINca
	ACCIPITRIDAE		
14	<i>Rupornis magnirostris</i>	R	PIVte
15	<i>Micrastur ruficollis</i>	R	PIVte
16	<i>Milvago chimachima</i>	R	CGEte
17	<i>Polyborus plancus</i>	R	CGEso
	RALLIDAE		
18	<i>Aramides cajanea</i>	R	CGEso

N.	Species/ Family	Behaviour / Status	Guilds
	CHARADRIIDAE		
19	<i>Vanellus chilensis</i>	M	PINso
20	<i>Charadrius semipalmatus</i>	N	PINso
	SCOLOPACIDAE		
21	<i>Tringa flavipes</i>	N	PINso
22	<i>Tringa melanoleuca</i>	N	PINso
23	<i>Actitis macularia</i>	N	PINso
	LARIDAE		
24	<i>Rynchops niger</i>	M	PPEca
	COLUMBIDAE		
25	<i>Columba cayennensis</i>	M	CFSco
26	<i>Columbina talpacoti</i>	R	CGEso
27	<i>Leptotila rufaxilla</i>	R	CFSco
	PSITACIDAE		
28	<i>Forpus xanthopterygius</i>	R	CFSco
29	<i>Pionus maximiliani</i>	R	CFSco
30	<i>Amazona brasiliensis</i>	R / EN, IUCN-V, AmIB, CITES1	CFSco
31	<i>Coccyzus melacoryphus</i>	L	PINsu
	CUCULIDAE		
32	<i>Tapera naevia</i>	R	PINsu
	TYTONIDAE		
33	<i>Tyto alba</i>	R	PIVte
	STRIGIDAE		
34	<i>Otus choliba</i>	R	PIVte
35	<i>Asio stygius</i>	R	PIVte
	NYCTIBIDAE		
36	<i>Nyctibius griseus</i>	R?	PISea
	CAPRIMULGIDAE		
37	<i>Lurocalis semitorquatus</i>	R	PISea
38	<i>Chordeiles acutipennis</i>	M	PISea
39	<i>Nyctidromus albicollis</i>	R	PISea
	APODIDAE		
40	<i>Streptoprocne zonaris</i>	?	PISea
41	<i>Chaetura meridionalis</i>	M	PISea
	TROCHILIDAE		

42	<i>Amazilia versicolor</i>	R	CNEte
N.	Species/ Family	Behaviour / Status	Guilds
	TROCHILIDAE		
43	<i>Aphantochroa cirrhochloris</i>	R	CNEte
	ALCEDINIDAE		
44	<i>Ceryle torquata</i>	R	PPEca
45	<i>Chloroceryle amazona</i>	R	PPEca
46	<i>Chloroceryle americana</i>	R	PPEca
47	<i>Chloroceryle aenea</i>	R	PPEca
	PICIDAE		
48	<i>Picumnus cirratus</i>	R	PINtr
49	<i>Dryocopus lineatus</i>	R	PINtr
50	<i>Melanerpes candidus</i>	R	PINtr
51	<i>Veniliornis spilogaster</i>	R	PINtr
	FURNARIDAE		
52	<i>Thamnophilus caeruleus</i>	R	PINsu
	TYRANNIDAE		
53	<i>Camptostoma obsoletum</i>	M	PINco
54	<i>Elaenia mesoleuca</i>	?	PINco
55	<i>Serpophaga subcristata</i>	R	PINco
56	<i>Attila rufus</i>	R / EN	PINco
57	<i>Myiarchus ferrox</i>	R	PINco
58	<i>Pitangus sulphuratus</i>	R	CFSate
59	<i>Legatus leucophaius</i>	R	CFSco
60	<i>Tyrannus savanna</i>	M	CFSaco
61	<i>Tyrannus melancholicus</i>	M	CFSaco
62	<i>Progne chalybea</i>	M	PISea
	HIRUNDINIDAE		
63	<i>Notiochelidon cyanoleuca</i>	M	PISea
64	<i>Stelgidopteryx ruficollis</i>	R	PISea
	CORVIDAE		
65	<i>Cyanocorax caeruleus</i>	R / EN	CFSate
	TROGLODYTIDAE		
66	<i>Troglodytes musculus</i>	R	PINsu
	TURDIDAE		
67	<i>Turdus rufiventris</i>	M	CFSate
68	<i>Turdus amaurochalinus</i>	M	CFSate

N.	Species/ Family	Behaviour / Status	Guilds
	VIREONIDAE		
69	<i>Vireo chivi</i>	R	CFSate
	PARULIDAE		
70	<i>Parula pitayumi</i>	R	CFSaco
71	<i>Geothlypis aequinoctalis</i>	R	PINsu
	THRAUPIDAE		
72	<i>Ramphocelus bresilius</i>	R / EN	CFSate
73	<i>Thraupis sayaca</i>	R	CFSaco
74	<i>Tangara cyanocephala</i>	R	CFSaco
75	<i>Tangara peruviana</i>	R / EN, IUCN-V	CFSaco
	PARULIDAE		
76	<i>Conirostrum bicolor</i>	R	PINsu
	TERSINIDAE		
77	<i>Tersina viridis</i>	R	CFSaco
	ICTERIDAE		
78	<i>Cacicus haemorrhous</i>	R	CFSaco
79	<i>Cacicus chrysopterus</i>	R	CFSaco
80	<i>Molothrus bonariensis</i>	M	CGEte
	PLOCEIDAE		
81	<i>Passer domesticus</i>	R	CGEte

Table 4. Demersal fishes, in Guaraqueçaba Bay, absolute frequency (A.F.) and relative frequency (R.F. %) per family. Source: Corrêa (2001).

FAMILY	SPECIES	A.F.	R.F. %
ACHIRIDAE		126	0,37
	<i>Achirus lineatus</i>		
	<i>Trinectes microphthalmus</i>		
	<i>T. paulistanus</i>		
ARIIDAE		24940	73,64
	<i>Bagre bagre</i>		
	<i>Catborops spixii</i>		
	<i>Genidens barbatus</i>		
	<i>G. genidens</i>		
	<i>Netuma barba</i>		
	<i>Sciadeichthys luniscutis</i>		
CARANGIDAE			
	<i>Caranx latus</i>		
	<i>Chloroscombrus chrysurus</i>		
	<i>Oligoplites saliens</i>		
	<i>O. Saurus</i>		
	<i>Selene vomer</i>		
CLUPEIDAE		44	0,13
	<i>Harengula clupeola</i>		
	<i>Pellona harraveri</i>		
CYNOGLOSSIDAE		250	0,74
	<i>Symphurus plagusia</i>		
DYODONTIDAE		17	0,05
	<i>Chilomycterus spinosus</i>		
ENGRAULIDAE		60	0,18
	<i>Anchoa parva</i>		
	<i>Cetengraulis edentulus</i>		
	<i>Lycengraulis grossidens</i>		
EPHIPPIDAE		133	0,39
	<i>Chaetodipterus faber</i>		

FAMILY	SPECIES	A.F.	R.F. %
GERREIDAE		6	0,02
	<i>Diapterus rhombeus</i>		
	<i>Eucinostomus argenteus</i>		
	<i>E. gula</i>		
	<i>E. melanopterus</i>		
GOBIIDAE		4	0,01
	<i>Gobionellus oceanicus</i>		
HAEMULIDAE		84	0,25
	<i>Genyatremus luteus</i>		
	<i>Pomadasys corvinaeformis</i>		
PARALICHTHYIDAE		842	2,49
	<i>Citharichthys arenaceus</i>		
	<i>C. spilopterus</i>		
	<i>Etropus crossotus</i>		
	<i>Paralichthys brasiliensis</i>		
SCIANIDAE		6692	19,76
	<i>Bairdiella ronchus</i>		
	<i>Ctenosciaena gracilicirrhus</i>		
	<i>Cynoscion acoupa</i>		
	<i>C. leiarchus</i>		
	<i>C. microlepidotus</i>		
	<i>C. virescens</i>		
	<i>Isopisthus parvipinnis</i>		
	<i>Macrodon ancylodon</i>		
	<i>Menticirrhus americanus</i>		
	<i>Micropogonias furnieri</i>		
	<i>Paralonchurus brasiliensis</i>		
	<i>Stellifer brasiliensis</i>		
	<i>S. rastrifer</i>		
SERRANIDAE		3	0,01
	<i>Diplectrum radiale</i>		
STROMATEIDAE		1	0,003
	<i>Peprilus paru</i>		

FAMILY	SPECIES	A.F.	R.F. %
SYNODONTIDAE		1	0,003
	<i>Synodus foetens</i>		
TETRAODONTIDAE		560	1,65
	<i>Lagocephalus laevigatus</i>		
	<i>Sphoeroides testudineus</i>		
TRICHIURIDAE		45	0,13
	<i>Trichiurus lepturus</i>		
TRIGLIDAE		10	0,003
	<i>Prionotus punctatus</i>		