

BRAZIL PROGRESS REPORT ON CETACEAN RESEARCH, MARCH 2005 TO FEBRUARY 2006, WITH STATISTICAL DATA FOR THE CALENDAR SEASON 2005/06

Compiled by Márcia Engel¹, Claudia Rocha-Campos², Fabiana Bicudo César² and Onildo João Marini-Filho²

¹ Instituto Baleia Jubarte/Grupo Especial de Trabalho de Mamíferos Aquáticos – GTEMA; e-mail: marcia.engel@baleiajubarte.com.br

² Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis – IBAMA; e-mail: claudia.campos@ibama.gov.br, fabiana.cesar@ibama.gov.br & onildo.marini-filho@ibama.gov.br

This report summarises information obtained from the following institutions/organizations:

Brazilian institutions/organizations:

1. Associação de Pesquisa e Preservação de Ecossistemas Aquáticos (AQUASIS), Caucaia, Ceará;
2. Projeto Baleia de Bryde, Santos, São Paulo;
3. Centro Mamíferos Aquáticos/IBAMA (CMA/IBAMA), Itamaracá, Pernambuco;
4. Instituto Baleia Jubarte (IBJ), Caravelas and Praia do Forte, Bahia;
5. Instituto de Pesquisas Cananéia (IPEC), Cananéia, São Paulo;
6. Projeto BioPesca, Ubatuba and Guarujá, São Paulo;
7. Universidade do Estado do Rio de Janeiro (UERJ), Projeto MAQUA, Rio de Janeiro, Rio de Janeiro;
8. Museu de Pesca, Centro de Estudos de Mamíferos Marinhos (CEEMAM), Santos, São Paulo;
9. Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, Minas Gerais;
10. Centro Golfinho Rotador, Fernando de Noronha, Pernambuco;
11. Projeto Baleia Franca, International Wildlife Coalition/Brazil (IWC/Brazil), Imbituba, Santa Catarina
12. Instituto Mamíferos Aquáticos (Projeto Mamíferos Marinhos e Centro de Resgate de Mamíferos Aquáticos-CRMA), Bahia and Sergipe;
13. Centro de Estudos em Conservação Marinha (CEMAR), São Vicente, São Paulo;
14. Universidade da Região de Joinville (UNIVILLE), Departamento de Ciências Biológicas, Laboratório de Nectologia, Joinville, Santa Catarina;
15. Universidade do Vale do Itajaí (UNIVALI), Centro de Ciências Tecnológicas da Terra e do Mar (CTTMar), Itajaí, Santa Catarina.
16. Instituto Aqualie, Rio de Janeiro, RJ;
17. Everest Tecnologia em Serviços Ltda.(EVEREST), Vitória, Espírito Santo;
18. Universidade Federal de Juiz de Fora, Minas Gerais;
19. Universidade Federal de Santa Catarina, Florianópolis, Santa Catarina;
20. Instituto Nacional de Pesquisas da Amazônia (INPA), Manaus, Amazonas.

Foreign collaborative institutions/organizations:

21. Cornell University, Ithaca, New York, USA;
22. Greenland Institute of Natural Resources, DK;
23. Alaska Fisheries Science Center/NOAA Fisheries, Seattle, USA;
24. University of Washington, Seattle, USA.

The following persons kindly contributed with information for this report: Adolfo Hubner de Jesus, Alexandre de Freitas Azevedo, Ana Carolina Oliveira de Meirelles, Ana Rita dos Santos-Lopes, André F. C. Vicente, André S. Barreto, Arthur Andriolo, Carolina P. Bertozzi, Claudia B. Petta, Clarêncio Baracho, Fábio Lima, Fernanda Löffler Niemeyer Attademo, Flávio Silva, Jesuína Maria da Rocha, José Lailson Brito Júnior, José Martins da Silva Júnior, Juliana Marigo, Karina R. Groch, Kátia R. Groch, Leandra Regina Gonçalves, Luciano R. Alardo Souto, Mabel Augustowski, Marcos Rossi-Santos, Maria do Socorro S. Reis, Mariana B. Alonso, Marta J. Cremer, Milton César C. Marcondes Renata S. Sousa-Lima, Sérgio Cippoloti, Renata Ramos and Vera F. Silva,.

1. Species and stocks studied

Common name	IWC recommended scientific name	Area/stock(s)	Items referred to
Common minke whale	<i>Balaenoptera acutorostrata</i>	Ceará, Rio de Janeiro, Santa Catarina, Bahia (Abrolhos Bank), Bahia (State), Espírito Santo	2.1.2; 4.1; 4.3; 5, 6.2.1,8
Antarctic minke whale	<i>Balaenoptera bonaerensis</i>	Rio de Janeiro, Espírito Santo	2.1.2
Bryde's whale	<i>Balaenoptera edeni</i>	Rio de Janeiro (State), São Paulo (Santos Basin), Rio de Janeiro (Campos Basin)	2.1.1; 2.1.2; 4.1; 4.3; 5; 6.2; 6.2.1; 8
Sei whale	<i>Balaenoptera borealis</i>	São Paulo (Santos Basin)	2.1.2
Fin whale	<i>Balaenoptera physalus</i>	São Paulo (Santos Basin)	2.1.2
Minke whale	<i>Balaenoptera spp.</i>	Rio de Janeiro (Campos Basin)	2.1.2
Common dolphin	<i>Delphinus sp**</i>	São Paulo (State), Rio de Janeiro, São Paulo (Santos Basin)	2.1.2; 4.3; 5; 7.3.1; 8
Southern right whale	<i>Eubalaena australis</i>	Rio de Janeiro, Bahia (Abrolhos Bank), Santa Catarina, Rio Grande do Sul ,	2.1.1; 2.1.2; 3.1.1; 3.2; 4.3; 6.2.1; 9

Pygmy killer whale	<i>Feresa attenuata</i>	Pará, Maranhão, Espírito Santo	2.1.2
Short-finned pilot whale	<i>Globicephala macrorhynchus</i>	Paraíba, Pernambuco, Pará, Maranhão, Rio de Janeiro (Campos Basin), São Paulo (Santos Basin)	2.1.2, 4.3
Pilot whale	<i>Globicephala spp.</i>	Rio de Janeiro (Campos Basin), São Paulo (Santos Basin)	2.1.2
Risso's dolphin	<i>Grampus griseus</i>	Rio de Janeiro (State), Rio de Janeiro (Campos Basin), São Paulo (Santos Basin)	2.1.2
Amazon river dolphin	<i>Inia geoffrensis</i>	Amazonas	5; 4.1; 4.2; 7.2
Pygmy sperm whale	<i>Kogia breviceps</i>	Ceará, Espírito Santo	4.3; 7.3; 7.3.1; 8
Dwarf sperm whale	<i>Kogia simus</i>	Rio de Janeiro, Bahia	4.1; 4.3; 5; 7.3.1; 8; 9
Fraser dolphin	<i>Lagenodelphis hosei</i>	Rio de Janeiro	4.1; 5
Humpback whale	<i>Megaptera novaeangliae</i>	Rio de Janeiro, São Paulo (State), São Paulo (Santos Basin), Bahia, Espírito Santo, Fernando de Noronha, Alagoas, Espírito Santo, Bahia (Abrolhos Bank), Bahia (State), Rio de Janeiro, Antarctic Ocean (AII), Pará, Maranhão, Sergipe	2.1.1, 2.1.2; 3.1.1, 3.1.3; 3.2, 4.1; 4.3; 5; 6.2.1; 8; 9
Orca	<i>Orcinus orca</i>	Rio de Janeiro, Espírito Santo (Campos Basin), São Paulo (Santos Basin)	2.1.2; 4.1; 5
Melon-headed whale	<i>Peponocephala electra</i>	Ceará, Bahia, Espírito Santo	2.1.2, 4.3; 7.3.1;
Sperm whale	<i>Physeter macrocephalus</i>	Ceará, Paraíba, Alagoas, Pernambuco, Sergipe, Bahia, São Paulo, Pará, Maranhão, Espírito Santo	2.1.1; 4.3; 6.2.1; 8; 9
Franciscana	<i>Pontoporia blainvillei</i>	Rio de Janeiro, São Paulo, Paraná, Santa Catarina (Babitonga Bay), Santa Catarina (State).	2.1.1; 2.1.2; 4.1; 4.2; 4.3; 4.4; 5; 7.3; 7.3.1; 7.3.3; 8
False killer whale	<i>Pseudorca crassidens</i>	Bahia, Rio de Janeiro, São Paulo (Santos Basin)	2.1.2; 4.3
Freshwater tucuxi	<i>Sotalia fluviatilis</i>	Amazonas	5; 4.1; 4.3
Marine tucuxi (estuarine dolphin, gray dolphin)	<i>Sotalia guianensis*</i>	Ceará, Rio Grande do Norte, Paraíba, Pernambuco, Sergipe, Bahia (Abrolhos Bank), Bahia (State), Rio de Janeiro (State), Rio de Janeiro (Campos Basin), São Paulo, Santa Catarina (Babitonga Bay), Espírito Santo .	2.1.1; 2.1.2; 3.1.1; 4.2; 4.3; 4.4; 5; 7.2; 7.3; 7.3.1; 8; 9
Pantropical spotted dolphin	<i>Stenella attenuata</i>	Fernando de Noronha, Espírito Santo, Pará, Maranhão, Sergipe, Alagoas, Ceará, Rio de Janeiro (Campos Basin), São Paulo (Santos Basin)	2.1.2; 9
Clymene dolphin	<i>Stenella clymene</i>	Bahia, Sergipe, Fernando de Noronha, Alagoas, Rio de Janeiro (Campos Basin), São Paulo (Santos Basin)	2.1.2; 4.3; 9
Striped dolphin	<i>Stenella coeruleoalba</i>	Rio de Janeiro.	5
Atlantic spotted dolphin	<i>Stenella frontalis</i>	Rio de Janeiro, São Paulo (State), Rio de Janeiro (Campos Basin), São Paulo (Santos Basin), Espírito Santo	2.1.2; 4.3; 5; 7.3.1; 8

Spinner dolphin	<i>Stenella longirostris</i>	Fernando de Noronha, São Paulo, South Atlantic, Pará, Maranhão, Sergipe, Alagoas, Espírito Santo, Rio de Janeiro (Campos Basin), São Paulo (Santos Basin)	2.1.1; 2.1.2; 9
	<i>Stenella sp.</i>	Paraíba, Pará, Maranhão, Bahia (Camamu), Espírito Santo, Rio de Janeiro (Campos Basin), São Paulo (Santos Basin)	2.1.2, 4.3
Rough-toothed dolphin	<i>Steno bredanensis</i>	Ceará, Bahia (Abrolhos Bank), Bahia (State), Espírito Santo, Rio de Janeiro, São Paulo.	2.1.1; 2.1.2; 3.1.1; 4.3; 5; 7.3.1; 8
Bottlenose dolphin	<i>Tursiops truncatus</i>	Paraíba, Pernambuco, Bahia, Rio de Janeiro (State), Rio de Janeiro (Campos), Santa Catarina (State), Espírito Santo, Pará, Maranhão, Ceará, Paraíba, São Paulo (Santos)	2.1.1; 2.1.2; 3.1.1; 4.3; 5; 7.3.1; 7.3.3; 8
Cuvier's beaked whale	<i>Ziphius cavirostris</i>	Paraíba, Ceará.	4.3; 7.3.1

* Monteiro-Filho *et al.* 2002; Cunha *et al.* 2005.

** *Delphinus delphis* and *D. capensis* were grouped as *Delphinus. sp* due to divergences in the occurrence/identification of both the species in the Brazilian coast.

2. Sightings data

2.1 Field work

R20 Institution - Central Amazon from Tefé to the Auaí-parana River, including the Mamirauá Sustainable Development Reserve (RDS Mamirauá) and RDS Paiaçu-Purus. (**Contact person:** Vera M. Silva, INPA).

2.1.1 SYSTEMATIC

The **R** letter preceding each project makes reference to the Progress Report filled out by the Brazilian Institutions.

ODONTOCETI

Bottlenose dolphin – *Tursiops truncatus*

R12 Institution- From October 2005 until March 2006, field work has been conducted to monitor populations of bottlenose dolphin, *Tursiops truncatus*, in Morro de São Paulo region, in Bahia State (**Contact person:** Maria do Socorro Reis, Luciano Alardo Souto and Adolfo Hubner de Jesus – Instituto Mamíferos Aquáticos/IMA).

R15 Institution: Systematic surveys were conducted in the estuary of the Itajaí River (Santa Catarina State, 26°55'S 48°40'W), which is the entrance to one of the most important harbours of southern Brazil. Research was conducted to study the occurrence of bottlenose dolphins, *Tursiops truncatus*, in the area and understand the impact of boat traffic and environmental factors on their activities. Animals were observed during the whole year in the area. (**Contact person:** André Silva Barreto – CTTMar – UNIVALI).

Franciscana – *Pontoporia blainvillei*

R14 Institution - Studies on spatial distribution of populations of franciscana, *Pontoporia blainvillei*, were conducted in Babitonga Bay Estuary, in the State of Santa Catarina. (**Contact person:** Marta J. Cremer – Universidade de Joinville, UNIVILLE).

Marine Tucuxi – *Sotalia guianensis*

R1 Institution: Institution 1 conducted studies on photo-identification and behaviour of marine tucuxi from land in Iracema Beach, Fortaleza, northeastern Brazil, from September 2004 to August 2005, resulting in 283 hours of effort and 63 hours of direct observations. Sixteen dolphins were identified using a Canon EOS-300D digital camera and zoom lens. (**Contact person:** Ana Carolina Oliveira de Meirelles – AQUASIS).

R4 Institution - During an effort of 400 hours with 58 hours of direct observation, *Sotalia fluviatilis* were monitored by boat cruises in 2005, aiming population dynamics, through photo-identification technique, behavioural ecology and bioacoustics in the southern coast of Bahia State, northeastern Brazil. Systematic studies have been also conducted in Abrolhos Archipelago, the most offshore area of the species' distribution. In the Caravelas River Estuary, land-based surveys have been done to evaluate dolphin's diary use patterns and possible anthropogenic impacts (mainly caused by wood barges) on the *S. guianensis* population. It was 792 hours of effort and 60 hours of tucuxi's observation (**Contact person:** Marcos Rossi-Santos, Instituto Baleia Jubarte).

R7 Institution - Project 7 conducted studies on photo-identification, bioacoustic and behaviour of estuarine dolphin, *Sotalia guianensis*, in Guanabara Bay, Rio de Janeiro, RJ. (**Contact person:** José Lailson Brito Jr. or Alexandre de Freitas Azevedo – MAQUA).

R12 Institution - Instituto Mamíferos Aquáticos has conducted regular systematic land-based sightings and 4 day cruises, monthly, in the estuary of Paraguaçu river (Baía de Todos os Santos), northeastern coast of Brazil, to study behavioural ecology of *Sotalia guianensis* and develop photo-identification. From October 2005 until March 2006, field work has been conducted to monitor populations of tucuxi, *Sotalia guianensis*, in Morro de São Paulo region, in Bahia State. This Project has also been responsible for monitoring possible impacts on

cetaceans populations during the installation of the “Manati” gas pipeline on Bahia southeast coast. (**Contact person:** Maria do Socorro S. Reis, Luciano Alardo Souto and Adolfo Hubner de Jesus – Instituto Mamíferos Aquáticos/IMA).

R14 Institution - Studies on spatial distribution of populations of marine tucuxi, *Sotalia guianensis*, were conducted in Babitonga Bay Estuary, in the State of Santa Catarina. (**Contact person:** Marta J. Cremer – Universidade de Joinville, UNIVILLE).

R20 Institution – Standardized monthly surveys along 30 km route in várzea habitat of Central Amazon was continually performed as part of a larger project to study the two species of cetacean that occurs in the Amazon river basin. The objective of these surveys was a ‘minimum count’ of boto and tucuxi along the seasonal variation of the water level of the Amazon river, to monitoring the population variation along the seasons and to identify the habitat used by these species. The result of the first eight years of surveys (December 1994 up to September 2002) and detailed methodology can be found in Martin & da Silva (2004). (**Contact person:** Vera M. Silva, INPA).

Rough-toothed dolphin, *Steno bredanensis*

R12 Institution- From October 2005 until March 2006, field work has been conducted to monitor populations of rough-toothed dolphin, *Steno bredanensis*, in Morro de São Paulo region, in Bahia State. (**Contact person:** Maria do Socorro S. Reis, Luciano Alardo Souto and Adolfo Hubner de Jesus – Instituto Mamíferos Aquáticos/IMA).

Spinner dolphin - *Stenella longirostris*

R10 Institution: Behavioural ecology, population density, photo and video-identification (7032 photos, 97,5 hours), interactions with whalewatching boats, etnobiology, bioacoustic and biopsy sampling studies of spinner dolphin, *Stenella longirostris*, have been conducted on a regular basis from land (313 days - 3163,5 hours), in snorkelling and scuba diving (55 days - 49,5 hours) and boat-based sightings (15 days - 48 hours) in the Fernando de Noronha Archipelago, northeastern Brazil. In this period, about five hundred spinner dolphins were identified based on dorsal fin shape and scars. On 98,72% days of period, spinner dolphins groups, ranging from 8 to 1.301, entered in the Dolphins Bay at National Marine Park Fernando de Noronha (J. M. Silva-Jr., unpublished) to rest, to reproduce, to take care of their calves or to look for protection from shark attacks (Silva-Jr. *et al*, 2005). Systematic monitoring of stranded studies of cetaceans has been conducted in the Fernando de Noronha Archipelago. (**Contact person:** José Martins da Silva-Jr and Flávio José de Lima Silva / Centro Golfinho Rotador).

MYSTICETI

Bryde’s Whale – *Balaenoptera edeni*

R2 & 13 Projects: Studies on occurrence, distribution and behaviour of Bryde’s whales were surveyed through the two cruises on the oceanographic vessel *Prof Wladimir Besnard* during winter and spring/2005 (June – 159.83 n.miles and other in November – 160.40 n. miles). The route was previously established by ECOSAN Project, from the Oceanographic Institute/São Paulo University (IOUSP) which is developed at southeastern Brazilian coastal region at different distances from the coast until the isobath 100m. During these cruises, all individuals sighted were recorded (Gonçalves *et al.*, 2005 a e b). This information together with sightings recorded during the past year are very important to establish the seasonality and behaviour of Bryde’s whales, which are still unknown (Gonçalves, 2006). (**Contact person:** Leandra Regina Gonçalves and Mabel Augustowski – Projeto Baleia de Bryde).

Humpback Whale – *Megaptera novaeangliae*

R4 Institution – Project 1 -Photo-identification, behavioural ecology and biopsy sampling of humpback whales have been carried out from on board surveys in Bahia and Espírito Santo States, northeastern Brazil, from 12°20’S to 20°18’S, including the Abrolhos Bank. In the latter, land-based studies on behaviour and interactions between humpback whales and whalewatching boats were conducted. Aerial surveys were also carried out between the Rio Grande do Norte State (5°48’S) and the São Paulo State (23°50’S) in 5,109.59 nautical miles of effort. The data were collected following the methodology of linear transects (Burnham *et al.*, 1980; Hiby and Hammond, 1989; Buckland *et al.*, 1993). In Abrolhos Bank from July to October, 728 humpback whales, including 99 calves, were detected during 1,872 n.miles of boat surveys (344 hours of effort). During land-based station survey at Salvador City 172 humpback whales were sighted, including 22 calves, during 55 one-hour scans. In northern Bahia 161 humpback whales were sighted, including 10 calves during 179 hours of boat surveys and 316 whales were sighted, including 33 calves during whalewatching trips. From aerial surveys was saw 386 groups with 628 humpback whales (**Contact persons:** Clarêncio Baracho & Milton Marcondes Instituto Baleia Jubarte).

R4 Institution - Project 2 – Two expeditions was organized to study humpback whales to the south of the breeding ground in Abrolhos Bank (southeaster of Brazilian coast). The first expedition occurred in June and the second expedition in November. The first expedition was from 26° 43 S to 18° 43 S and travel over 994 nautical miles in effort, where it was observed 53 humpback whales and no calves. The second expedition was from 17° 44 S to 23° 36 S and travel over 976 nautical miles in effort, and it was observed 65 humpback whales, including 15 calves. Twenty six photo-identifications were made in the two expeditions. (**Contact persons:** Clarêncio Baracho & Milton Marcondes Instituto Baleia Jubarte).

R21 & R9 Institution - Studies on photo-identification, size estimates, behavioural ecology and vocal behaviour of humpback whales were carried out from onboard surveys in the Abrolhos Bank region in 2005. Controlled experiments of boat approaches were also conducted. Boat surveys in 2005 resulted in 174 groups of humpbacks sighted during 33 days at sea, and approximately 40 hours of sounds sampled at 48kHz. (**Contact person:** Renata S. Sousa-Lima, Cornell University Ithaca, NY, USA – Brazilian Counterpart: Universidade Federal de Minas Gerais).

Southern Right Whale – *Eubalaena australis*

R11 Institution - Aerial surveys have been conducted to monitor southern right whales in Santa Catarina Island (central coast of SC) to the northern coast of RS and from shore in 15 observation stations, covering about 100km of coastline in Santa Catarina State, and 15 km in the north of Rio Grande do Sul State. A number of 1018 whales, including 750 calves (includes possible double counting and juveniles), were sighted during land-based surveys (Groch, unpublished). From four aerial surveys conducted from July to October (one per month), there were 101 sightings of 197 individuals, of which 64 were calves and 6 were juveniles (includes possible double counting) (K.R. Groch and J.T. Palazzo Jr., unpublished). A total of 71 different individuals were counted in one day in September, during the aerial survey. (**Contact person:** Karina Groch and José Truda Palazzo – IWC Brazil).

2.1.2 OPPORTUNISTIC, PLATFORMS OF OPPORTUNITY

R1 Institution: Sightings of marine tucuxi, *Sotalia guianensis*, were recorded from land observation sites at Mucuripe Embayment, Fortaleza, Ceará (**Contact person:** Ana Carolina Oliveira de Meirelles – AQUASIS).

R2 & 13 Institutions: Opportunistic sightings of Bryde's whales during dive tour operations have been recorded along the coast of São Paulo State, southeastern Brazil since 2003, mainly close to Laje de Santos State Marine Park (24°19'S; 046°10'W). Sixteen opportunistic sightings with twenty two individuals were recorded in 2005 and 2006 (respectively March – December/2005 and January – February/2006). Sometimes (n= 4 sightings), individuals were observed in groups, varying from 2-5 individuals per sighting. It was observed that these groups were in feeding behaviour, almost all in interaction with other vertebrate groups (Gonçalves *et al.*, 2005b). These results show that Bryde's whales tend to concentrate in Laje de Santos State Marine Park with the feeding objective mainly during the summer season (Gonçalves, 2006). These data were collected either by Bryde's whales researchers as by dive operators – who had previously undergone a training course, organized by the Projeto Baleia de Bryde, so as to be able to identify the species and record sightings and to operate their boats correctly while approaching to whales. These data and some previous recordings are been used to evaluate the potential for whale-watching tourism at the Laje de Santos State Marine Park. (**Contact persons:** Leandra Regina Gonçalves and Mabel Augustowski – Projeto Baleia de Bryde).

R4 Institution - Project 1 - Opportunistic observations of humpback whales have been made in northeastern Brazil from eucaliptus barges at Espírito Santo and Bahia State coast since 2003. In 2005, in 201 hours of observations and 2232 nautical miles travelled 291 humpback whales, including 44 calves, were sighted. Other species sighted included tucuxi dolphins (23 groups), bottlenose dolphins (3 groups) and rough-toothed dolphins (1 group). Composition, behaviour and localization of all groups sighted were registered. The data were collected by scientists of Humpback Whale Institute. (**Contact person:** Claudia Brigagão Petta).

R4 Institution - Project 2 - During 2005 humpback whale survey in Bahia and Espírito Santo States it was sighted 04 groups of southern right whale, 04 groups of tucuxi dolphins, 05 groups of rough-toothed dolphins, 02 groups of bottlenose dolphin, 01 group of minke whale and 10 groups of non-identified cetaceans. The data were collected by scientists of Humpback Whale Institute. (**Contact person:** Milton Marcondes).

R4 Institution - Project 3 - During 2005 humpback whale aerial survey from Rio Grande do Norte State to São Paulo State it was observed groups of common minke whale (5); Antarctic minke whale (2); Bryde's whale (1); southern right whale (2); spinner dolphin (1); and tucuxi dolphins (2). (**Contact person:** Márcia Engel, Instituto Baleia Jubarte.).

R4 Institution - Project 4 - Opportunistic sightings and photo-identification of bottlenose dolphin, tucuxi dolphin, rough-toothed dolphins and common minke whale have been made from boat surveys during the humpback whale surveys in northern Brazil. (**Contact person:** Clarêncio Baracho, Instituto Baleia Jubarte.).

R4 Institution - Project 5 - During 2005 humpback whale expeditions in southeastern of Brazilian coast opportunistic sightings was recorded of sei whale, Antarctic minke whale, bottlenose dolphin, tucuxi dolphin, Risso's dolphin, false killer whale, pantropical spotted dolphin, long-beaked common dolphin, Bryde's whale, rough-toothed dolphin and Atlantic spotted dolphin (**Contact person:** Clarêncio Baracho, Instituto Baleia Jubarte.).

R6 Institution: Opportunistic land and boat-based sightings mainly of franciscanas and marine tucuxi were registered in Ubatuba and Guarujá. Data sheets and photographic cameras were distributed to fishing boats, operating mainly from the loading dock in Santos, SP and opportunistic cetacean's sightings were recorded by fishermen. Fishing boats operated from Rio de Janeiro to São Paulo State in depths ranging from 10 to 740m, but the bulk of the fishery takes place in shallower waters (depths 10-30m). The recorded species were *Stenella frontalis*, *Stenella longirostris*, *Steno bredanensis*, *Delphinus* sp. and a balaenopterid whale. (**Contact person:** Mariana B. Alonso, BioPesca).

R7 Institution: There were opportunistic sightings from ships of the Brazilian Navy and other vessels of common dolphins, *Delphinus* sp, orca, *Orcinus orca*, bottlenose dolphin, *Tursiops truncatus*, and southern right whale, *Eubalaena australis* in the southeastern of Brazilian coast. (**Contact person:** José Lailson Brito Jr. or Alexandre de Freitas Azevedo – MAQUA).

R10 Institution: Land-based and cruise opportunistic observations resulted in 350 registers of pantropical spotted dolphin, *Stenella attenuata* and 23 registers of humpback whales, *Megaptera novaeangliae* in the Fernando de Noronha Archipelago (03°50'S, 32°25'W - Northeast Brazil). Cetacean interactions with whalewatching boats were also observed (**Contact person:** José Martins da Silva-Jr and Flávio José de Lima Silva / Centro Golfinho Rotador).

R12 Institution: Techniques of photo-identification were used to study *Sotalia guianensis* population in the estuary of Paraguaçu river, in Baía de Todos os Santos, Bahia State. (**Contact person:** Maria do Socorro S. Reis or Luciano Alardo Souto or Adolfo Hubner de Jesus – Instituto Mamíferos Aquáticos).

R15 Institution: Opportunistic sightings of cetaceans have been made by researchers and students in oceanographic cruises. Also, a large number of sightings were obtained from observers assigned to fishery vessels. The area covered by these sightings spans from 15° to 38°S and from 9° to 52°W. Even though the quality of the identifications is less than ideal, the sightings obtained allow the identification of areas with higher cetacean densities, which should be further investigated in the future (**Contact person:** André Silva Barreto – CTTMar – UNIVALI).

R16, R18, R19, R22, R23 & R24 Institutions: During 662 hours of seismic surveys carried out at Santos Basin (Rio de Janeiro and São Paulo), the following groups of cetaceans were sighted: 1 common minke whale, 4 *Balaenoptera*, 1 short-finned pilot whale, 3 sperm whales, 2 Delphinidae, 1 melon-headed whale, 3 bottlenose dolphins, 1 long-beaked common dolphin, 4 Atlantic spotted dolphins, 1 spinner dolphin, 2 pantropical spotted dolphins, (**Contact person:** Sergio Moreira, Instituto Aqualie)

R9 & R21 Institutions: Sightings of small cetaceans (*Sotalia guianensis* and *Steno bredanensis*) and right whales, *Eubalaena australis*, in the Abrolhos Bank region were recorded during humpback whale research cruises. Photo-identification of these 3 species was done whenever possible, as well as acoustic recordings of *Steno bredanensis*. (**Contact person:** Renata S. Sousa-Lima, Cornell University Ithaca, NY, USA– Brazilian Counterpart: Universidade Federal de Minas Gerais).

R17 Institution: The next table shows sightings of cetaceans during seismic surveys of PGS Investigação Petrolífera Ltda along the Brazilian coast (01°21'N-27°10'S). During October 2001 to February 2006, 15,500 h were spent looking for marine mammals. In the period

were traveled more than 30,000 km of seismic lines in 30 blocks licensed of Oil and Gas Industry, at 4.5 until 240 km of the coast, within 50 to 3,000m of the depth, between Pará-Maranhão (01°21'N) and Santos (27°10'S) Basins. The bridge was used as the observation platform and it was located 20m above the surface. Brazilian environmental technicians (biologists, oceanographers and a veterinarian) aboard the seismic vessels, supply vessel and assistant boats recorded and identified the cetaceans during daylight. Sightings made continuously during daylight by observers of the seismic vessel (with air-guns) were considered “on duty”. Those animals occasionally recorded by observers of the supply and assistant vessels (without air-guns) or ship’s crew were considered “off duty”. Studies on species’ distribution and behavioural reactions to seismic source have been conducted from data base sightings. (**Contact person:** Renata Ramos, Everest).

Common name	Scientific name	Sightings from March 2005 to February 2006
Cetacean not identified	Cetacea	10
Humpback whale	<i>Megaptera novaeangliae</i>	57
Common minke whale	<i>Balaenoptera acutorostrata</i>	3
Antarctic minke whale	<i>Balaenoptera bonaerensis</i>	0
Minke whale	<i>Balaenoptera</i> sp.	6
Minke whale or Bryde’s whale	<i>Balaenoptera</i> sp.	0
Bryde’s whale	<i>Balaenoptera edeni</i>	1
Fin whale	<i>Balaenoptera physalus</i>	0
Sei whale	<i>Balaenoptera borealis</i>	0
Rorqual	<i>Balaenoptera</i> sp.	27
Whale not identified	Mysticeti	18
Sperm whale	<i>Physeter macrocephalus</i>	31
Beaked-whale	Ziphiidae	2
Short-finned pilot whale	<i>Globicephala macrorhynchus</i>	2
Pilot whale	<i>Globicephala</i> sp.	6
Melon-headed whale	<i>Peponocephala electra</i>	3
Risso’s dolphin	<i>Grampus griseus</i>	5
Killer whale	<i>Orcinus orca</i>	4
False killer whale	<i>Pseudorca crassidens</i>	0
Pygmy killer whale	<i>Feresa attenuata</i>	1
Blackfish	Not identified	6
Bottlenose dolphin	<i>Tursiops truncatus</i>	10
Spinner dolphin	<i>Stenella longirostris</i>	10
Clymene dolphin	<i>Stenella clymene</i>	1
Pantropical spotted dolphin	<i>Stenella attenuata</i>	10
Atlantic spotted dolphin	<i>Stenella frontalis</i>	1
Spotted dolphin	<i>Stenella</i> sp.	3
<i>Stenella</i> not identified	<i>Stenella</i> sp.	14
Common dolphin	<i>Delphinus delphis</i>	0
Rough-toothed dolphin	<i>Steno bredanensis</i>	1
Marine tucuxi	<i>Sotalia guianensis</i>	0
Delphinidae not identified	Delphinidae	45
Dolphin not identified	Odontoceti	2
Total		279

2.2 Analyses/development of techniques

R15 Project: A GIS system (SIMMAM – System for Marine Mammal Monitoring) was developed to visualize the data from fishery observers (Barreto *et al.*, 2004). Its database was also fed with information of sighting and stranding obtained from papers and scientific meetings. At the moment the database has approximately 1900 cetacean sightings and strandings. While the unpublished data is only available for the users that have uploaded the information, data from published sources is available to the public at “<http://siaiacad09.univali.br/simmam/>”. (**Contact person:** André Silva Barreto – CTTMar – UNIVALI).

3. Marking data

3.1 Field work

3.1.1 NATURAL MARKING DATA

Species	Feature	Area/stock	Calendar year/season/ no. photographed	Catalogue d (Y/N)	Catalogue total	Contact person/institute
Bottlenose dolphin	Dorsal fin	Itajaí River, Santa Catarina	2005-2006 / n=20	N	-	André S. Barreto/UNIVALI
Humpback whale	Fluke	Abrolhos Bank, Bahia State and Rio de Janeiro State	2005-2006 / n =335	N	1,606 (seasons 2004 and 2005 will be analysed and incorporated in catalogue)	Milton Marcondes/ Instituto Baleia Jubarte

Humpback whale	Fluke	Northern Bahia State	2005-2006 / n= 156	Y	560 (included season 2005)	Clarêncio Baracho/ Instituto Baleia Jubarte
Humpback whale	Fluke and dorsal fin	Abrolhos Bank, Bahia	2005-2006/n=118	Y	298 (to be merged with IBJ's catalogue)	R. S. Sousa-Lima/Cornell University
Rough-toothed dolphin	Dorsal fin	Abrolhos Bank, Bahia	2005-2006/n>20	Y	-	R. S. Sousa-Lima/Cornell University
Southern right whale	Head callosities and dorsal marks	Southern Brazil	2005-2006/n=120	-	332	Karina R. Groch/Projeto Baleia Franca
Spinner dolphin	Fin and body	Fernando de Noronha Archipelago	2005-2006/n=73	Y	1065	José Martins Silva Júnior – Centro Golfinho Rotador
Marine tucuxi	Dorsal fin	Guanabara Bay, Rio de Janeiro	2005-2006/n=32	Y	69	Lailson-Brito & Azevedo/UERJ
Marine tucuxi	Dorsal fin	Iracema Beach, Fortaleza, Ceará	2005-2006/n=16	Y	16	Ana Carolina Meirelles/AQUASIS
Marine tucuxi	Dorsal fin	Todos os Santos Bay, Bahia	2005-2006/n=20	Y	20	Maria do Socorro Reis/Projeto Mamíferos Marinhos
Marine tucuxi	Dorsal fin	Abrolhos Bank, Bahia	2005-2006/n<10	Y	-	R. S. Sousa-Lima/Cornell University

3.1.2. ARTIFICIAL MARKING DATA

During the annual marking campaign in the Mamirauá Reserve, 18 botos were marked with unique freeze brands, bringing the total marked since 1994 to 395 individuals. (**Contact person:** Vera M. Silva, INPA).

3.1.3 TELEMETRY DATA

Species	Tag type	No. successfully deployed	Maximum time transmitting	Contact person/institute
Humpback whale (Bahia and Espírito Santo Brazil)	Satellite	16	4 months	A. Zerbini, University of Washington, Seattle, USA and A. Andriolo, UFJF, Juiz de Fora, MG

3.2 Analyses/development of techniques

R10 Institution: Data analyses on season residency, site fidelity, habitat use and behavior of spinner dolphin have been carried out in Fernando de Noronha Archipelago (**Contact person:** José Martins da Silva-Jr. and Flávio José de Lima Silva / Centro Golfinho Rotador).

R11 Institution: Southern right whale: distribution, coastal movements, within season residency and site fidelity (Groch, 2005), biological parameters (ongoing analysis on population estimates; Groch *et al.* 2004); behavior of right whales in Central-Southern Santa Catarina State (Groch, ongoing analysis).

R15 Institution: In 2005 a feasibility study was done in the Itajaí River estuary to verify the possibility of doing photo-identification from a land-based station. The proximity of the animals to land allowed the positive identification of approximately 20 bottlenose dolphins, *Tursiops truncatus*, in the area. This study is continuing in 2006. (**Contact person:** André Silva Barreto – CTTMar – UNIVALI).

R 16, R18, R19, R22, R23 & R24 Institutions: Satellite telemetry was applied to study migratory routes and identification of feeding ground of Western South Atlantic humpback whale population. This is an international cooperative project involving the following institutions: Universidade Federal de Juiz de Fora, MG; Universidade Federal de Santa Catarina, SC; Universidade Federal Rural do Rio de Janeiro, RJ; University of Washington, Seattle, USA; National Marine Mammal Laboratory/NOAA, Seattle, USA; Greenland Institute of Natural Resources. (**Contact person:** A. Zerbini, University of Washington, Seattle, USA and A. Andriolo, UFJF, Juiz de Fora, MG)

4. Tissue/biological samples collected

4.1 Biopsy samples

Species	Area/stock	Calendar year/ season no. collected	Archived (Y/N)	No. analysed	Total holdings	Contact person/institute
Amazon river dolphin		34	Y	None	34	Vera da Silva/ INPA
Freshwater tucuxi		02	Y	02	02	Vera da Silva/ INPA
Humpback whale	Bahia (Abrolhos Bank)	2005-2006/n=32	Y	0	296	Márcia Engel/ Instituto Baleia Jubarte
Humpback Whale	Bahia State	2005-2006/n=4	Y	0	30	Márcia Engel/ Instituto Baleia Jubarte
Humpback whale	Bahia and Espírito Santo	7	Y	-	7	A. Andriolo, UFJF, Juiz de Fora, MG, andriolo@icb.ufjf.br , A. Zerbini/University of Washington, Seattle, USA
Spinner dolphin	Fernando de Noronha Archipelago	2005-2006/n=75	Y	55	155	José Martins Silva Junior – Projeto Golfinho Rotador

4.2 Samples from directed catches or bycatches

Species	Area/stock	Calendar year/ season total	Archived (Y/N)	Tissue type(s)*	Contact person/institute
Amazon river dolphin		2	Y	Skin, bones	Vera da Silva/ INPA
Franciscana	São Paulo, Paraná e Santa Catarina	2005-2006/n=2	Y	Skin, blubber, muscle, liver and gonads	André Barreto - UNIVALI
Franciscana	São Paulo	2005-2006/n=21	Y	Brain, lungs, heart, stomach, intestines, liver, kidneys, pancreas, adrenals, gonads, muscles, blubber, skin, teeth	Juliana Marigo, Mariana Alonso & Carolina Bertozzi - Projeto Biopesca
Marine tucuxi	São Paulo	2005-2006/n=3	Y	Brain, lungs, heart, stomach, intestines, liver, kidneys, pancreas, adrenals, gonads, muscles, blubber, skin, teeth	Juliana Marigo, Mariana Alonso & Carolina Bertozzi - Projeto Biopesca
Marine tucuxi	Ceará	2005-2006/n=4	Y	Skin, tongue, heart, lungs, intestine, liver, kidneys, gonads, stomach contents, skeleton, teeth, skull	Ana Carolina Meirelles - AQUASIS

4.3 Samples from stranded animals

Species	Area/stock	Calendar year/ season total	Archived (Y/N)	Tissue type(s)*	Contact person/institute
Atlantic spotted dolphin	São Paulo	2005-2006/n=1	Y	Blubber, brain, lungs, heart, stomach, intestines, liver, kidney, pancreas, adrenals, gonads, muscles, skin, teeth	Juliana Marigo, Mariana Alonso, Carolina Bertozzi – Projeto Biopesca
Atlantic spotted dolphin	Rio de Janeiro	2005-2006/n=1	Y	Muscle, stomach, blubber	Lailson-Brito/Azevedo - UERJ
Atlantic spotted dolphin	São Paulo	2005-2006/n=1	Y	Skull	André Vicente - CEEMAM
Bottlenose dolphin	Rio de Janeiro	2005-2006/n=1	Y	--	Lailson-Brito/Azevedo - UERJ
Bottlenose dolphin	Santa Catarina	2005-2006/n=4	Y	Skeleton	Marta Cremer - UNIVILLE
Bottlenose Dolphin	Espírito Santo State	1	Y	Bones	Milton Marcondes / Instituto Baleia Jubarte
Bryde's whale	São Paulo	2005-2006/n=2	Y	Skull, appendicular skeleton	Ana Rita dos Santos-Lopes - IPeC
Bryde's whale	Rio de Janeiro	2005-2006/n=1	Y	Muscle, blubber	Lailson-Brito/Azevedo - UERJ
Clymene dolphin	Sergipe	2005-2006/n=2	Y	Skeleton, skull, eyes, stomach, teeth	Adolfo Hubner - Instituto Mamíferos Aquáticos
Clymene dolphin	Bahia	2005-2006/n=2	Y	Skeleton	Luciano Alardo Souto - Instituto Mamíferos Aquáticos
Common dolphin	Rio de Janeiro	2005-2006/n=1	Y	Kidney, liver, lung, muscle, stomach, intestine, heart, blubber	Lailson-Brito/Azevedo - UERJ
Common minke whale	Rio de Janeiro	2005-2006/n=2	Y	Kidney, liver, lung, muscle, stomach, intestine, heart, blubber	Lailson-Brito/Azevedo - UERJ
Common minke whale	Ceará	2005-2006/n=1	Y	Skull, muscles, bones	Ana Carolina Meirelles - AQUASIS
Common minke whale	Santa Catarina	2005-2006/n=1	Y	Liver, skin, blubber, stomach, skeleton	Marta Cremer - UNIVILLE
Cuvier's beaked whale	Ceará	2005-2006/N=1	Y	Skull	Ana Carolina Meirelles - AQUASIS
Dwarf sperm whale	Bahia	2005-2006/n=3	Y	Intact (2); skeleton (1)	Luciano Alardo Souto – Instituto Mamíferos Aquáticos
Dwarf sperm whale	Rio de Janeiro	2005-2006/n=1	Y	Kidney, liver, lung, muscle, stomach, intestine, heart, blubber	Lailson-Brito/Azevedo - UERJ

Dwarf sperm whale	Ceará	2005-2006/N=2	Y	Skeleton, muscle, heart, lungs, stomach, liver, kidneys, gonads, teeth, stomach contents, parasites, skull	Ana Carolina Meirelles - AQUASIS
False killer whale	Bahia	2005-2006/n=1	Y	Skeleton, skin, muscle, stomach, lungs, heart, liver, spleen	Luciano Alardo Souto – Instituto Mamíferos Aquáticos
Fraser dolphin	Rio de Janeiro	2005-2006/n=1	Y	--	Lailson-Brito/Azevedo - UERJ
Franciscana	São Paulo	2005-2006/n=2	Y	Skull, teeth	Ana Rita dos Santos-Lopes - IPeC
Franciscana	São Paulo	2005-2006/n=3	Y	Blubber, brain, lungs, heart, stomach, intestines, liver, kidney, pancreas, adrenals, gonads, muscles, skin, teeth	Juliana Marigo, Mariana Alonso, Carolina Bertozzi – Projeto Biopesca
Franciscana	São Paulo	2005-2006/n=20	Y	Skull (20); blubber, muscles, kidney, stomach contents (8)	André Vicente - CEEMAM
Franciscana	Santa Catarina	2005-2006/n=4	Y	Liver, skin, blubber, stomach	Marta Cremer - UNIVILLE
Freshwater tucuxi		8	Y	Bone, skin	Vera da Silva/ INPA
Humpback whale	Bahia (Abrolhos Bank)	10	Y	Skin; bones; kidney; faeces; blubber; lung; heart;	Milton Marcondes / Instituto Baleia Jubarte
Humpback whale	Bahia	2005-2006/n=1	Y	Skin, baleen, muscle	Luciano Alardo Souto – Instituto Mamíferos Aquáticos
Humpback whale	Rio de Janeiro	2005-2006/n=1	Y	Skin, blubber, barnacles	Lailson-Brito/Azevedo - UERJ
Marine tucuxi	Rio de Janeiro	2005-2006/n=3	Y	Kidney, liver, lung, muscle, stomach, intestine, heart, blubber	Lailson-Brito/Azevedo - UERJ
Marine tucuxi	São Paulo	2005-2006/n=5	Y	Skull, teeth	Ana Rita dos Santos-Lopes - IPeC
Marine tucuxi	Paraíba	2005-2006/n=1	Y	Liver, lungs, heart, muscle	Fernanda Löffler Atademo – CMA/IBAMA
Marine tucuxi	Pernambuco	2005-2006/n=2	Y	Stomach, muscle, liver, lungs, heart, kidneys, intestine, blubber, testicles	Fernanda Löffler Atademo – CMA/IBAMA
Marine tucuxi	Ceará	2005-2006/n=5	Y	Skull, teeth, muscle, skin, lungs, stomach, liver, gonads, skeleton	Ana Carolina Meirelles - AQUASIS
Marine tucuxi	Bahia	2005-2006/n=16	Y	Skeleton, skin, muscle, stomach, lungs, heart, liver	Luciano Alardo Souto – Instituto Mamíferos Aquáticos

Marine tucuxi	Sergipe	2005-2006/n=5	Y	Stomach contents, skull, skeleton, parasites, teeth	Adolfo Hubner - Instituto Mamíferos Aquáticos
Marine tucuxi	São Paulo	2005-2006/n=2	Y	Blubber, brain, lungs, heart, stomach, intestines, liver, kidney, pancreas, adrenals, gonads, muscles, skin, teeth	Juliana Marigo, Mariana Alonso, Carolina Bertozzi – Projeto Biopesca
Marine tucuxi	São Paulo	2005-2006/n=4	Y	Skull	André Vicente - CEEMAM
Marine tucuxi	Santa Catarina	2005-2006/n=3	Y	Liver, skin, blubber, stomach, skeleton	Marta Cremer - UNIVILLE
Marine tucuxi	Bahia	4	Y	Blubber; skin; bones; muscle; liver; kidney; brain; lung; heart; faeces.	Milton Marcondes / Instituto Baleia Jubarte
Melon-headed whale	Bahia	2005-2006/n=1	Y	Skeleton, skin, muscle, stomach, lungs, heart, liver	Luciano Alardo Souto – Instituto Mamíferos Aquáticos
Melon-headed whale	Ceará	2005-2006/n=1	Y	Skeleton, heart, lungs, stomach, intestine, liver, kidneys, gonads, parasites, stomach contents	Ana Carolina Meirelles - AQUASIS
Minke whale	Bahia (Abrolhos Bank)	1	Y	Bones	Milton Marcondes / Instituto Baleia Jubarte
Orca	Rio de Janeiro	2005-2006/n=1	Y	--	Lailson-Brito/Azevedo - UERJ
Pantropical spotted dolphin	Fernando de Noronha Archipelago	2005-2006/n=1	Y	Muscle, teeth, skeleton, parasites	José Martins da Silva Jr. – Centro Golfinho Rotador
Pygmy sperm whale	Ceará	2005-2006/n=1	Y	Skeleton, muscles, heart, lungs, stomach, liver, kidneys, gonads, teeth, stomach contents, parasites	Ana Carolina Meirelles - AQUASIS
Pygmy sperm whale	Espírito Santo State	1	Y	Bones	Milton Marcondes / Instituto Baleia Jubarte
Pygmy sperm whale	São Paulo	2005-2006/n=1	Y	Skull	André Vicente - CEEMAM
Rough-toothed dolphin	Bahia	2005-2006/n=1	Y	Skeleton	Luciano Alardo Souto – Instituto Mamíferos Aquáticos
Rough-toothed dolphin	Rio de Janeiro	2005-2006/n=1	Y	Kidney, liver, lung, muscle, stomach, intestine, heart, blubber	Lailson-Brito/Azevedo - UERJ

Rough-toothed dolphin	Ceará	2005-2006/n=2	Y	Skeleton, skull, skin, bones, muscle, stomach contents	Ana Carolina Meirelles - AQUASIS
Rough-toothed dolphin	São Paulo	2005-2006/n=1	Y	Skull, teeth	Ana Rita dos Santos-Lopes - IPeC
Short-finned pilot whale	Pernambuco	2005-2006/n=1	Y	Lungs, heart, intestine, muscle	Fernanda Löffler Atademo – CMA/IBAMA
Southern right whale	Southern Brazil	2005-2006/n=1	Y	Skin, blubber	Karina R. Groch – IWC/Brazil
Sperm whale	Sergipe	2005-2006/n=2	Y	Skull, skeleton	Adolfo Hubner - Instituto Mamíferos Aquáticos
Sperm whale	Ceará	2005-2006/n=4	Y	Bones, skin, teeth, muscle	Ana Carolina Meirelles - AQUASIS
Sperm whale	São Paulo	2005-2006/n=1	Y	Teeth	Ana Rita dos Santos-Lopes - IPeC
Spinner dolphin	Fernando de Noronha Archipelago	2005-2006/n=1	Y	Muscle, blubber, teeth, skeleton, parasites.	José Martins da Silva Jr – Centro Golfinho Rotador
Striped dolphin	Rio de Janeiro	2005-2006/n=1	Y	--	Lailson-Brito/Azevedo - UERJ

4.4 Analyses/development of techniques

R1 Institution – Stomach contents of stranded marine tucuxi dolphins from Ceará State are been analysed. Pathology occurring in stranded cetaceans has been investigated. Also the parasites collected during necropsies have been identified. (**Contact person:** Ana Carolina Meirelles – AQUASIS)

R4 Institution - Determination of cause of death was made in stranding events. That includes analysis of interaction with fishing activities, collect of samples for pollution studies, computed tomography and necropsy examination (**Contact person:** Milton Marcondes - Instituto Baleia Jubarte).

R6 Institution – Pathology occurring in bycatch animals has been investigated. Stomach contents are been studied and together with intestines are been analysed for metazoan parasites that can be used for franciscana stock identity studies. Fixed brains are been studied to describe the anatomy of the blood supply in franciscanas. (**Contact person:** Juliana Marigo – Projeto Biopesca)

R7 Institution – We performed tests of precision and accuracy of analytical methods for organochlorine determination in blubber samples of cetaceans (**Contact person:** José Lailson-Brito/Azevedo – UERJ).

R10 Institution – Determination of cause of death, diet, age estimation, parasitological and genetic studies of spinner dolphin have been carried out in Fernando de Noronha Archipelago. (**Contact person:** José Martins da Silva Jr. and Flávio José de Lima Silva – Centro Golfinho Rotador)

5. Pollution studies

R6 Institution – Chlorinated hydrocarbons (pesticides and polychlorinated biphenyls – PCBs) are been analysed in tissues of franciscana and marine tucuxi dolphin from São Paulo State (**Contact person:** Mariana B. Alonso – Projeto Biopesca)

R7 Institution – They performed trace metals and organochlorines determination in cetacean tissues of the Brazilian and Antarctic waters with the following species: *Megaptera novaeangliae*, *Balaenoptera edeni*, *Balaenoptera acutorostrata*, *Sotalia fluviatilis*, *Sotalia guianensis*, *Inia geoffrensis*, *Kogia simus*, *Pontoporia blainvillei*, *Orcinus orca*, *Tursiops truncatus*, *Delphinus sp.*, *Stenella coeruleoalba*, *Stenella frontalis* and *Lagenodelphis hosei*. (**Contact person:** José Lailson-Brito and Alexandre de Freitas Azevedo – MAQUA).

R10 Institution – Samples of blubber, kidney and liver of all cetaceans species found have been collected for future contaminants studies, together with samples of tissues of spinner dolphin in Fernando de Noronha Archipelago (**Contact person:** José Martins da Silva Jr. and Flávio José de Lima Silva – Centro Golfinho Rotador).

R12 Institution – The Instituto Mamíferos Aquáticos has initiated a study including ingestion of plastic and other debris by cetaceans. (**Contact person:** Maria do Socorro Reis, Luciano Alardo Souto and Adolfo Hubner de Jesus – Instituto Mamíferos Aquáticos).

R20 Institution - Information on available samples can be seen in Section 4 although any clarification can be given here. The main purpose of this section is to give brief details of work in progress or completed analyses, with references where appropriate. Study of heavy metals

and organochlorine of *Inia geoffrensis* are in progress, in collaboration of Dr. José Lailson and Dr Olaff Malcon from the University Rio de Janeiro State (UERJ). (**Contact person:** Vera M. Silva, INPA, José Lailson and Olaff Malcon, UERJ).

6. Statistics for large cetaceans

Species	Type of catch	Area/stock	Males	Females	Total landed	Struck and lost

6.2 Non-natural mortality for the calendar season 2005/06

Species	Area/stock	Males	Females	Total	Cause	Methodology
Bryde's Whale	São Paulo	-	1	1	Gillnet	Post-mortem
Sperm Whale	Sergipe	1	1	2	U	U

6.2.1 STRANDINGS OR DEAD WHALES ENCOUNTERED AT SEA

Whale species	Sex	Location	Cause of death	Det.	Source or contact institution, contact name and telephone and/or e-mail
A. Southern right whale	F	28°12'S, 48°39' W	U	U	Org.: IWC/Brazil Address: C. P. 201, Imbituba, SC, Brazil, 88780-000 Contact: Karina Groch Tel. + 55 48 9971-1161 e-mail: krgroch@terra.com.br
B. Sperm whale	F	11°07'S, 37°08"W	U	U	Org.: Instituto Mamíferos Aquáticos Contact: Adolfo Hubner Tel.: + 55 79 9949-0261 e-mail: adolfo@mamiferosaquaticos.org
C. Sperm whale	M	11°28'50"S, 37°24'06"W	U	U	Org.: Instituto Mamíferos Aquáticos Contact: Adolfo Hubner Tel.: + 55 79 9949-0261 e-mail: adolfo@mamiferosaquaticos.org
D. Bryde's whale	M	Beach in Rio de Janeiro City	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. Email: lailson@uerj.br
E. Common minke whale	M	Beach in Maricá City	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. Email: lailson@uerj.br
F. Common minke whale	M	Beach in Rio de Janeiro City	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. Email: lailson@uerj.br
G. Humpback whale	M	Beach in Ilha Grande	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. e-mail: lailson@uerj.br

H. Dwarf minke whale	U	Tabuba Beach, Caucaia, Ceará 03°38'S, 38°42'W	U	U	Org.: AQUASIS Address: SESC Ipananá, Praia de Ipananá, s/n, Caucaia, CE, Brazil 61600-000 Contact: Ana Carolina Meirelles Tel.: + 55 85 33186011 e-mail: mamiferos@aquasis.org
I. Sperm whale	U	Porto das Dunas Beach, Aquiraz, CE 03°38'S, 38°23' W	U	U	Org.: AQUASIS Address: SESC Ipananá, Praia de Ipananá, s/n, Caucaia, CE, Brazil 61600-000 Contact: Ana Carolina Meirelles Tel.: + 55 85 33186011 e-mail: mamiferos@aquasis.org
J. Sperm whale	U	Canoa Quebrada Beach, Aracati, CE	U	U	Org.: AQUASIS Address: SESC Ipananá, Praia de Ipananá, s/n, Caucaia, CE, Brazil 61600-000 Contact: Ana Carolina Meirelles Tel.: + 55 85 33186011 e-mail: mamiferos@aquasis.org
K. Sperm whale	F	Guajiru Beach, Trairi, CE 0474770/9641762 UTM	U	U	Org.: AQUASIS Address: SESC Ipananá, Praia de Ipananá, s/n, Caucaia, CE, Brazil 61600-000 Contact: Ana Carolina Meirelles Tel.: + 55 85 33186011 e-mail: mamiferos@aquasis.org
L. Sperm whale	U	Cana Braba, Paripaba, CE 0479831/9634980 UTM	U	U	Org.: AQUASIS Address: SESC Ipananá, Praia de Ipananá, s/n, Caucaia, CE, Brazil 61600-000 Contact: Ana Carolina Meirelles Tel.: + 55 85 33186011 e-mail: mamiferos@aquasis.org
M. Common minke whale	M		U	U	Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
N. Bryde's whale	M	Pedrinhas Beach, Ilha Comprida	U	U	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
O. Bryde's whale	F	Balneário Adriano Beach, Ilha Comprida	Gillnet (not specified)	V	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
P. Sperm whale	M	Boqueirão Norte Beach, Ilha Comprida	U	U	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
Q. <i>Balaenoptera</i> sp.	U	18,55283 S, 39,14208 W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
R. Humpback whale	U	17°50'561S, 38,7914W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br

S. Humpback whale	F	Salvador City, BA	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
T. Humpback whale	U	12° 57'09"29,38°00'02"83 W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
U. Humpback whale	U	17°88'32"7S 39°30'02,53 W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
V. Humpback whale	U	17,73462 S, 39,16558W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
W. Humpback whale	U	16,55744 S, 39,08666 W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
X. Humpback whale	U	Degredo Beach, Pontal do Ipiranga, ES	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
Y. Humpback whale	U	18°,53734 S, 39°,7294 W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
Z. Humpback whale	U	16°,77983S, 39°,14237W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
A1. Humpback whale	U	16°,45559 S, 39°,05859W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
B1. Humpback whale	U	Pontal do Ipiranga, ES	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br

C1. Common minke whale	U	17°,02172S, 39°,17221W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
D1. Sperm whale	U	17°,539383 S, 39°,191516 W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
E1. Humpback whale	U	17°,26348 S, 39°,21953 W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
F1. Humpback whale	U	16°,23528 S, 39,00312 W	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
G1. Humpback whale	U	Piruí Beach, Arembepe, BA	U	U	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
H1. Cuvier's beaked whale		Paraíba			Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
I1. Unidentified cetacean	U	23°52'S, 42°09'W	U	U	Org.: Instituto AQUALIE Address: Rua Edgard Werneck, nº 428, casa 32. Jacarepaguá – Rio de Janeiro/RJ. CEP 22763-010 Contact: Sérgio Moreira e-mail: sergiocmoreira@hotmail.com
Comments: A. A calf of the year. B. Newborn female whale found stranded alive, rescued and released, but found dead a few days later. I. Found bones and patch of white skin. J. Found bones. K & L. Animals in advanced state of decomposition. O. Right flipper was broken by the gillnet. Q & R. Observed during flight monitoring. I1. The animal's body was so deteriorated that was impossible determinate the cause of death. Photo available.					

6.2.2 OBSERVED OR REPORTED SHIP STRIKES

Whale species	Sex	Date	Location	Vessel type	Speed	Fate	Source or contact
Unknown, possible Humpback whale	U	02/au g/05	Close to Itaparica Island, Bahia State	Catamaran (Passenger line between Salvador and Morro de São Paulo)	+ than 25kts	X	Instituto Baleia Jubarte – IBJ R. Barão do Rio Branco, 26 – Caravelas – BA 45900-000 - Brazil Contact: Milton Marcondes e-mail: milton.marcondes@baleiajubarte.com.br
Comments: Tourist described a hurt on the whale's dorsal area.							

6.2.3 FISHERY BYCATCH

Whale species	Sex	Date	Location	Fate	Targeted fish species	Gear	How observed?	Source or contact

FAO FISHING DESCRIPTION AND CODES

FAO FISHING GEAR CATEGORIES:			FALLING GEAR		
SURROUNDING NETS			Cast nets		FCN
With purse lines	PS		Falling gear (not specified)		FG
One-boat operated purse seines	PS1		GILLNETS AND ENTANGLING GEAR		
Two-boat operated purse seines	PS2		Set gillnets (anchored)		GNS
Without purse lines (lampara)	LA		Driftnets		GND
SEINE NETS			Encircling gillnets		GNC
Beach seines	SB		Fixed gillnets (on stakes)		GNF
Boat seines	SV		Trammel nets		GTR
Danish seines	SDN		Combined gillnet-trammel nets		GTN
Scottish seines	SSC		Gillnets and entangling gillnets (not specified)		GEN
Pair seines	SPR		Gillnets (not specified)		GN
Seine nets (not specified)	SX		TRAPS		
TRAWLS			Stationary uncovered pounds nets		FPN
Bottom trawls	TBB		Pots		FPO
Beam trawl	OTB		Fyke nets		FYK
Otter trawls (side or stern)	PTB		Stow nets		FSN
Pair trawls	TBN		Barriers, fences, weirs, etc		FWR
Nephrops trawls	TBS		Aerial traps		FAR
Shrimp trawls (not specified)	TM		Traps (not specified)		FIX
Midwater trawls			HOOKS AND LINES		
Otter trawls (side or stern)	OTM		Handlines and pole-lines (hand operated)		LHP
Pair trawls	PTM		Handlines and pole-lines (mechanised)		LHM
Shrimp trawls	TMS		Set longlines		LLS
Midwater trawls (not specified)	TM		Drifting longlines		LLD
Otter twin trawls	OTT		Longlines (not specified)		LL
Otter trawls (not specified)	OT		Trolling lines		LTL
Pair trawls (not specified)	PT		Hooks and lines (not specified)		LX
Other trawls (not specified)	TX		GRAPPLING AND WOUNDING		
DREDGES			Harpoons		HAR
Boat dredges	DRB		HARVESTING MACHINES		
Hand dredges	DRH		Pumps		HMP
LIFT NETS			Mechanised dredges		HMD
Portable lift nets	LPN		Harvesting machines (not specified)		HMX
Boat-operated lift nets	LNB		MISCELLANEOUS GEAR		MIS
Shore operated stationary lift nets	LNS		RECREATIONAL FISHING GEAR		RG
Lift nets (not specified)	LN		GEAR NOT KNOWN OR NOT SPECIFIED		NK
			SHARK CONTROL NETS		NSC

6.3 Earlier years' statistics

7. Statistics for small cetaceans

7.1 For the calendar season 2005/06

7.2 Direct catches (commercial, aboriginal and scientific permits) for the calendar season 2005/06

Species	Type of catch	Area/stock	Males	Females	Total landed	Struck and lost
Amazon river dolphin	aboriginal	Central Amazon			354	

R20 Institution - These dolphins were killed to be used as bait in a catfish fishery (Piracatinga). The figure given is based on interviews with fishermen, and certainly underestimates the scale of the catch in this region. The practice of catching botos as bait in Brazil is relatively recent (last 5 years), but is expanding very fast. (**Contact person:** Vera M. Silva, INPA).

7.3 Non-natural mortality for the calendar season 2005/06

Species	Area/stock	Males	Females	Total	Cause	Methodology
Franciscana	São Paulo	1	-	1	Gillnets	Necropsy
Marine tucuxi	São Paulo	1	1	2	Gillnets	Necropsy
Marine tucuxi	São Paulo	1	-	1	Boat strike	Necropsy

Marine tucuxi	Ceará	1	1	5	Entanglement	<i>Post mortem</i>
Marine tucuxi	Bahia	1	1	2	Bycatch	Necropsy
Marine tucuxi	Sergipe	1	0	1	Bycatch	Necropsy
Marine tucuxi	Sergipe	U	U	4	U	U
Pygmy sperm whale	Espírito Santo	0	1	1	Ingestion of plastic debris	Necropsy

7.3.1 STRANDINGS OR DEAD SMALL CETACEANS ENCOUNTERED AT SEA

Species	Sex	Location	Cause of death	Det.	Source or contact institution, contact name and telephone and/or e-mail
A. Atlantic spotted dolphin	M	Beach in Rio de Janeiro, RJ	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. e-mail: lailson@uerj.br
B. Bottlenose dolphin			U		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
C. Bottlenose dolphin	M		U		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
D. Bottlenose dolphin	F	26,2758/ 48,3620	U		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
E. Bottlenose dolphin	F		U		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
F. Bottlenose dolphin	U	Paraíba	N	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
G. Bottlenose dolphin	U	Pernambuco	N	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
H. Bottlenose dolphin	U	Paraíba	N	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
I. Bottlenose dolphin	U	18,3755 S 39,68258 W	U	U	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br

J. Common dolphin	F	Beach in Niterói, RJ	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. e-mail: lailson@uerj.br
K. Cuvier's beaked whale	U	Curimãns Beach, Barroquinha, Ceará 03° 01' S, 41°08' W	U	U	Org.: AQUASIS Address: SESC Iparana, Praia de Iparana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
L. Cuvier's beaked whale	U	Paraíba	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
M. Dwarf sperm whale	F	Beach in Rio de Janeiro, RJ	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. e-mail: lailson@uerj.br
N. Franciscana	M	Pedrinhas Beach, Ilha Comprida	Gillnets (not specified)	N	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
O. Franciscana	F	Pedrinhas Beach, Ilha Comprida	Gillnets (not specified)	V	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
P. Franciscana		26, 2580/ 48,6774	U		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
Q. Franciscana		26, 2580/ 48,6774	U		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
R. Franciscana			U		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
S. Franciscana			U		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
T. Humpback whale	U	Alagoas	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000

U. Marine tucuxi	M	Beach in Rio de Janeiro, RJ	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. e-mail: lailson@uerj.br
V. Marine tucuxi	M	Beach in Rio de Janeiro, RJ	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. e-mail: lailson@uerj.br
X. Marine tucuxi	M	Beach in Rio de Janeiro, RJ	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. e-mail: lailson@uerj.br
Z. Marine tucuxi	M	Juruvaúva Beach, Ilha Comprida	U	U	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
A1. Marine tucuxi	M	Boqueirão Sul Beach, Ilha Comprida	Gillnets (not specified)	N	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
B1. Marine tucuxi	M	Ponta da Trinceira Beach, Ilha Comprida	Boat strike	N	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
C1. Marine tucuxi	F	Boqueirão Sul Beach, Ilha Comprida	Gillnets (not specified)	N	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
D1. Marine tucuxi	F	Boqueirão Sul Beach, Ilha Comprida	U	U	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
E1. Marine tucuxi		26, 2580/ 48,6774	Fishing net		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
F1. Marine tucuxi		26, 2580/ 48,6774	Fishing net		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
G1. Marine tucuxi	M	26, 2580/ 48,6774	Fishing net		Org.: UNIVILLE Contact: Marta Cremer Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br
H1. Marine tucuxi	M	11°03'59" S, 37°06'07" W	Bycatch	V; N	Org.: Instituto Mamíferos Aquáticos Contact: Adolfo Hubner Tel.: + 55 79 99490261 e-mail: adolfo@mamiferosaquaticos.org

I1. Marine tucuxi	U	Bitupitá, Barroquinha, Ceará 03° 01' S, 41°08' W	U	U	Org.: AQUASIS Address:SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
J1. Marine tucuxi	U	Almofala, Itarema, Ceará 02° 55' S, 39° 54' W	U	U	Org.: AQUASIS Address:SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
K1. Marine tucuxi	U	Almofala, Itarema, Ceará 02° 55' S, 39° 54' W	U	U	Org.: AQUASIS Address:SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
L1. Marine tucuxi	U	Praia das Fontes, Beberibe, Ceará 04° 10' S, 38° 07' W	U	U	Org.: AQUASIS Address:SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
M1. Marine tucuxi	M	Taíba beach, São Gonçalo do Amarante, Ceará 03° 27' S, 38° 55' W	U	U	Org.: AQUASIS Address:SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
N1. Marine tucuxi	F	Tabuba Beach, Caucaia, Ceará 03° 39' S, 38° 41' W	U	U	Org.: AQUASIS Address:SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
O1. Marine tucuxi	U	Piriquara, Paracuru, Ceará 03° 28' S, 38° 55' W	U	U	Org.: AQUASIS Address:SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
P1. Marine tucuxi	M	Piriquara, Paracuru, Ceará 03° 27' S, 38° 56' W	U	U	Org.: AQUASIS Address:SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
Q1. Marine tucuxi	M	17,34563 S 39,21594 W	Entanglement	N	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br
R1. Marine tucuxi	M	17,32435 S 39,21939 W	Entanglement	V	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br
S1. Marine tucuxi	M	17,06265 S 39,17218 W	U	U	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br
T1. Marine tucuxi	U	17,3077 S 39,22138 W	U	U	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br

U1. Marine tucuxi	M	18,42489 S 39,70154 W	U	U	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br
V1. Marine tucuxi	U	17,11608 S 39,18456 W	U	U	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br
X1. Marine tucuxi	F	14,84008 S 39,03781 W	Pulmonary edema	N	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br
Z1. Marine tucuxi	M	11° 03' 59" S, 37° 06' 07" W	Bycatch	V; N	Org.: Instituto Mamíferos Aquáticos Contact: Adolfo Hubner Tel.: 55 79 99490261 E-mail: adolfo@mamiferosaquaticos.org
A2. Marine tucuxi	U	Rio Grande do Norte	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
B2. Marine tucuxi	U	Pernambuco	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
C2. Marine tucuxi	U	Pernambuco	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
D2. Melon- headed whale	F	Barra do Ceará, Fortaleza, Ceará 03° 43' S, 38° 32' W	Natural	F	Org.: AQUASIS Address: SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
E2. Pygmy sperm whale	F	18,44265 S 39,7076 W	Ingestion of plastic debris	N	Org.: Instituto Baleia Jubarte Address: R. Barão do Rio Branco, 26 Contact: Milton Marcondes Tel.: 55-73-32971320 E-mail: milton.marcondes@baleiajubarte.com.br
F2. Pygmy sperm whale	M	Águas Belas, Cascavel, Ceará 04° 02' S, 38° 11' W	Natural	F	Org.: AQUASIS Address: SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
G2. Rough- toothed dolphin	M	Pedrinhas Beach, Ilha Comprida	U	U	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br
H2. Rough- toothed dolphin	M	Cauípe, Caucaia, Ceará 03° 32' S, 38° 49' W	U	U	Org.: AQUASIS Address: SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org

I2. Rough-toothed dolphin	U	Guajiru Beach, Trairí, Ceará 03° 15' S, 39° 13' W	U	U	Org.: AQUASIS Address: SESC Iparana, Praia de Iparana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
J2. Rough-toothed dolphin	M	Beach in Rio de Janeiro, RJ	U	U	Org.: MAQUA Address: Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil Contact: José Lailson-Brito Jr. e-mail: lailson@uerj.br
K2. Sperm whale	U	Alagoas	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
L2. Sperm whale	U	Paraíba	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
M2. Sperm whale	U	Pernambuco	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
N2. Sperm whale	U	Paraíba	U	-	Fernanda Löffler Atademo Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
Comments: I1. Found skull. H1; Z1. Deep cut behind the flipper. F2. Stranded alive.					

7.3.2 OBSERVED OR REPORTED SHIP STRIKES

Species	Sex	Date	Location	Vessel type	Speed	Fate	Source or contact
Comments:							

7.3.3 FISHERY BYCATCH

Species	Sex	Date	Location	Fate	Targeted fish species	Gear	How observed	Source or contact
Bottlenose dolphin (probable)	-	August 25 th 2005	Barra Velha, SC 26°38'11"S 48°40'52"W	D		GNS	DA	André S. Barreto Universidade do Vale do Itajaí – UNIVALI. CTTMar. Rua Uruguai 458. Itajaí – SC. CEP 88302-202. abarreto@cttmar.univali.br

Bottlenose dolphin	F	October 09 th 2005	Barra Velha, SC 26°38'11"S 48°40'52"W	K	-	GNS	DA	André S. Barreto Universidade do Vale do Itajaí – UNIVALI. CTTMar. Rua Uruguai 458. Itajaí – SC. CEP 88302-202. abarreto@cttmar.univali.br
Franciscana	F	May 12 th 2005	Itajuba, SC 26°33'13"S 48°39'09"W	K	-	GNS	DA	André S. Barreto Universidade do Vale do Itajaí – UNIVALI. CTTMar. Rua Uruguai 458. Itajaí – SC. CEP 88302-202. abarreto@cttmar.univali.br
Franciscana	F	July 21 th 2005	Barra Velha, SC 26°38'11"S 48°40'52"W	K	-	GNS	DA	André S. Barreto Universidade do Vale do Itajaí – UNIVALI. CTTMar. Rua Uruguai 458. Itajaí – SC. CEP 88302-202. abarreto@cttmar.univali.br
Franciscana	F	October 09 th 2005	Barra Velha, SC 26°38'11"S 48°40'52"W	K	-	GNS	DA	André S. Barreto Universidade do Vale do Itajaí – UNIVALI. CTTMar. Rua Uruguai 458. Itajaí – SC. CEP 88302-202. abarreto@cttmar.univali.br
Franciscana	-	Feb 15 th 2005	Barra Velha, SC 26°38'11"S 48°40'52"W	D	Sciaenidae	GNS	DA	André S. Barreto Universidade do Vale do Itajaí – UNIVALI. CTTMar. Rua Uruguai 458. Itajaí – SC. CEP 88302-202. abarreto@cttmar.univali.br
Franciscana	-	June 15 th 2005	Itajuba, SC 26°33'13"S 48°39'09"W	R	Sciaenidae/ Mugilidae	GNS	DA	André S. Barreto Universidade do Vale do Itajaí – UNIVALI. CTTMar. Rua Uruguai 458. Itajaí – SC. CEP 88302-202. abarreto@cttmar.univali.br
Marine tucuxi	U	July/2005	Taíba Beach, Ceará 03° 31'S, 38° 58'W	K	Lobster	GEN	DA	Org.: AQUASIS Address: SESC Iparana, Praia de Iparana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Contact: Ana Carolina Meirelles Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org
Comments:								

7.4 Earlier years' statistics

Species	Sex	Location	Cause of death	Det.	Source or contact
Spinner dolphin	F	Fernando de Noronha Archipelago	U	Dead	Org.: Centro Golfinho Rotador Address: Post Box 49/ Fernando de Noronha – PE Contact: José Martins da Silva Jr.
Spinner dolphin	M	Fernando de Noronha Archipelago	Alive	Alive	Org.: Centro Golfinho Rotador Address: Post Box 49/ Fernando de Noronha – PE Contact: José Martins da Silva Jr.

8. Strandings

Region/Province	Contact Person	Institution
Northeastern Brazil: Alagoas, Pernambuco, Paraíba, Piauí	Fernanda Löffler Niemeyer Attademo	Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
Northeastern Brazil: Alagoas, Pernambuco, Paraíba, Piauí	Luísa Juliana Silveira Lopes	Centro Nacional de Pesquisa e Conservação dos Mamíferos Aquáticos - CMA/IBAMA. Estrada do Forte Orange s/n. C.P. 01. Ilha de Itamaracá – PE. CEP 53900-000
Northeastern Brazil: Ceará	Ana Carolina Oliveira de Meirelles,	Associação de Pesquisa e Preservação de Ecossistemas Aquáticos – AQUASIS SESC Iparana, Praia de Iprana, s/n, Caucaia-Ce, Brazil. CEP: 61600-000 Tel.: 55 85 3318-6011 E-mail: mamiferos@aquasis.org cameirelles@yahoo.com.br
Northeastern Brazil: Bahia	Milton Marcondes; Márcia Engel	Instituto Baleia Jubarte (IBJ) Programa de Resgate de Mamíferos Aquáticos R. Barão do Rio Branco, 26 Caravelas – BA; 45900-000 - Brazil Phone/fax: +55 73 32971340 E-mail: milton.marcondes@baleiajubarte.com.br
Northeastern Brazil: Bahia	Luciano R. Alardo Souto	Centro de Resgate de Mamíferos Aquáticos - CRMA Instituto Mamíferos Aquáticos (Bahia). E-mail: lucianoalardo@yahoo.com.br
Northeastern Brazil: Bahia	Maria do Socorro Reis	Projeto Mamíferos Marinhos - Instituto Mamíferos Aquáticos. E-mail: mssreis@yahoo.com.br
Northeastern Brazil: Bahia	Adolfo Hubner de Jesus	Centro de Resgate de Mamíferos Aquáticos - CRMA Instituto Mamíferos Aquáticos (Sergipe). E-mail: ahubner@mamiferosaquaticos.org
Northeastern Brazil: Pernambuco	José Martins da Silva Junior	Centro Golfinho Rotador Address: Post Box 49/ Fernando de Noronha – PE e-mail: rotador@golfinhorotador.org.br
Southeastern Brazil: Rio de Janeiro	José Lailson-Brito Junior	Laboratório de Mamíferos Aquáticos - MAQUA Universidade do Estado do Rio de Janeiro – Dept. Oceanografia – IGEO Rua São Francisco Xavier, 524, sl 4002 E – Maracanã, RJ 20550-013 Rio de Janeiro, Brazil + 55 2125877133 e-mail: lailson@uerj.br
Southeastern Brazil: São Paulo	Ana Rita dos Santos-Lopes	Instituto de Pesquisa Cananéia – IpeC Tristão Lobo, 185, Cananéia, SP Contact: Ana Rita dos Santos-Lopes Tel: + 55 13 38513939 e-mail: gruporesgate_ipecc@yahoo.com.br

Southern Brazil: Santa Catarina	André Silva Barreto	Universidade do Vale do Itajaí – UNIVALI. CTTMar. Rua Uruguai 458. Itajaí – SC. CEP 88302-202. abarreto@cttmar.univali.br
Southern Brazil: Santa Catarina	Marta J. Cremer	Universidade da Região de Joinville - UNIVILLE Address: CP 110 89240-000, São Francisco do Sul, Santa Catarina e-mail: mcremer@ilhanet.com.br

9. Other studies and analyses

R9 & 21 Institution: Effects of boat traffic (mostly from whalewatching boats) on humpback whale communication using passive acoustics has continued in the Abrolhos Bank region (July-October 2005 ~4000 hours of continuous 24 hour recordings at 2kHz sampling frequency). Recording devices called “popups” (Cornell Lab. Of Ornithology – Bioacoustics Research Program) were deployed in an array on the ocean floor to locate and track the movements of vocally active humpback whales and assess their distribution in space and time as well as the effect of boat traffic on these distributions. Partial results of the temporal distribution from 2003 (Sousa-Lima and Clark 2005) indicate that an increase in boat noise results in a decrease in the number of detections of vocally active males. Nevertheless, boat traffic was not random and in 2005 we addressed this caveat by deploying a popup array in a control area with rare boat traffic (4 recording devices) and similar environmental characteristics as the treatment array (frequent boat traffic, 5 recording devices) (**Contact person:** Renata S. Sousa-Lima, Cornell University, Ithaca, NY, USA – Brazilian Counterpart: Universidade Federal de Minas Gerais – UFMG).

R10 Institution: Interactions of spinner dolphin with whalewatching boats, vocal behaviour studies and effects of boat noise and natural behaviour were observed in the Fernando de Noronha Archipelago (**Contact person:** José Martins da Silva Junior and Flávio José de Lima Silva/Centro Golfinho Rotador).

R11 Institution: Southern right whale: whale/boat interaction during whalewatching activities (Groch, ongoing analysis).

R12 Institution: The Instituto Mamíferos Aquáticos has initiated an otoliths and cephalopod beak collection to use as reference on the study of food habits for small cetaceans. Also studied and analysed shark bites marks on cetaceans, and analysis of delphinid osteology. We are also beginning a two year project (2006/2008) with the aim to estimate the marine tucuxi population on Sergipe State coast and gather information about behaviour, site fidelity and movements along the entire state coast.

10. Literature cited

- Buckland, S.T., Anderson, D.R., Burnham, K.P. and Laake, J.L. 1993. *Distance Sampling: Estimating abundance of biological populations*. Chapman and Hall. London, UK.
- Burnham, K.P., Anderson, D.R. and Laake, J.L. 1980. Estimation of density from line transect sampling of biological populations. *Wildl. Monogr.* 72: 1-202.
- Carvalho, V. L. ; Motta, M. R. A. and Campello, M. V. M. . 2005a. Ocorrência de *Halocercus* sp. (Nematoda: Pseudaliidae) em um espécime de golfinho clymene, *Stenella clymene* (Cetacea: Delphinidae), encalhado vivo no litoral do Ceará. In: III Congresso e VI Encontro Norte e Nordeste da Sociedade de Zoológicos do Brasil, 2005, Olinda.
- Carvalho, V. L. ; Motta, M. R. A. and Campello, M. V. M. 2005b. Ocorrência de *Anisakis* sp. (Nematoda: Anisakidae) em um espécime de golfinho clymene, *Stenella clymene* (Cetacea: Delphinidae), encalhado vivo no litoral do Ceará. In: III Congresso e VI Encontro Norte e Nordeste da Sociedade de Zoológicos do Brasil, 2005, Olinda.
- Carvalho, V. L.; Motta, M. R.A.; Meirelles, A. C. O. and Campello, M.V.M. 2005c. Infestações parasitárias associadas à fratura rostral em um espécime de golfinho clymene, *Stenella clymene*, encalhado vivo no litoral do Ceará. In: Resumos do IV Encontro Nacional Sobre Pesquisa e Conservação dos Mamíferos Aquáticos, 2005.
- Gonçalves, L. R. 2006. Ocorrência, Distribuição e Comportamento de baleias-de-Bryde (*Balaenoptera edeni* Anderson, 1879) (CETACEA: MYSTICETI) em zona costeira e oceânica do sudeste do Brasil. Dissertação de Mestrado, Programa de Pós-Graduação em Ciências Biológicas. Mestrado em Comportamento e Biologia Animal, Universidade Federal de Juiz de Fora, 2006, 98 p.
- Gonçalves, L.R., Potiens, T. N. Andriolo, A. & Augustowski, M. 2005b. Ocorrência de baleias-de-Bryde (*Balaenoptera edeni* Anderson, 1879) em áreas costeiras e oceânicas: possível existência de diferentes populações. IV ENCOPEMAQ – Encontro Nacional de Pesquisa e Conservação de Mamíferos Aquáticos, Itajaí, SC, 12 a 15 de Novembro 2005.
- Hiby, A. R. and Hammond, P. S. Survey techniques for estimating the abundance of cetaceans. *Rep Int. Whal. Commn.* (Special Issue 11), p. 47-80, 1989.
- Meirelles, A.C.O. 2005. Aspectos da ecologia comportamental do boto cinza, *Sotalia guianensis* Van Bénédén, 1864 (MAMMALIA, CETACEA, DELPHINIDAE), na Praia de Iracema, Fortaleza-CE. Dissertação de Mestrado em Bioecologia Aquática. Universidade Federal do Rio Grande do Norte, UFRN, Natal-RN. 113p.
- Silva-Jr, J. M., Silva, F. J. L. & Sazima, I. 2005. Rest, nurture, Sex, release and play: diurnal underwater behaviour of the spinner dolphin at Fernando de Noronha Archipelago, SW Atlantic. *Aqua Journal of Ichthyology and Aquatic Biology*, 9, 161-176.

11. Publications

11.1 Published or ‘In Press’ papers only

- Azevedo, A. F. and Van Sluys, M. 2005. Whistles of tucuxi dolphins (*Sotalia fluviatilis*) in Brazil: Comparisons among populations. *Journal of the Acoustical Society of America*, 117: 1456-64.
- Barreto, A. S.. South America, Coastal Ecology – Marine Mammals. P. 888-904. In: Schwartz, M. L. (Org.) Encyclopedia of Coastal Science. Dordrecht, 2005.
- Batista, R.L.G.; Bastos, B.L.; Maia-Nogueira, R.; Reis, M.S.S. 2005. Rescue and release of two estuarine dolphins (*Sotalia fluviatilis*; Gervais, 1853) found confined in a natural pool of the Cachoeira River, Ilhéus, southern Bahia, Brazil. *Aquatic Mammals*, 31(4),434-437.
- Cunha, H. A., Silva, M. V. F., Lailson-Brito, J.Jr., Santos, M. C. O., Flores, P. A., Martin, A. R., Azevedo, A. F., Fragoso, A. B. L., Zanelatto, R. C. and Solecava, A. M. 2005. Riverine and marine ecotypes of *Sotalia* dolphins are different species. *Marine Biology*, 148: 449-57.
- Cunha, H.A.; da Silva, V.M.F.; Lailson-Brito Jr., J.; Santos, M.C.O.; Flores, P.A.C.; Martin, A.R.; Azevedo, A.F.; Fragoso, A.B.L.; Zanelatto, R.C. & Solé-Cava, A.M. 2005. Riverine and marine ecotypes of *Sotalia* dolphins are different species. *Marine Biology*. 147: 1432-1793.
- Darling, J. & Sousa-Lima, R. S. 2005. Songs indicate interactions between humpback whale (*Megaptera novaeangliae*) populations in the Western and Eastern South Atlantic Ocean. *Marine Mammal Science* 21, n.3, p. 557-566.
- Maia-Nogueira, R.; Nunes, J.A.C. Da C. 2006. Northernmost record of the Layard's beaked whale, *Mesoplodon cf. layardii* (Gray, 1856) in the Southwestern Atlantic Ocean. *Latin American Journal of Aquatic Mammals* (in press)
- Maia-Nogueira, R.; Sampaio, C.L.S.; Reis, M.S.S. 2006. *Stenella clymene* (Gray, 1846) no estado da Bahia, nordeste do Brasil, história natural e revisão das ocorrências no Atlântico Sul Ocidental. BIOIKOS (in press)
- Martin, A.R. & da Silva, V. 2006. Sexual dimorphism and body scarring in the boto (Amazon river dolphin) *Inia geoffrensis*. *Marine Mammal Science* 22:25-33.
- Martin, A.R., da Silva, V. & Rothery, P.R. 2006. Does radio tagging affect the survival or reproduction of small cetaceans? A test. *Marine Mammal Science* 22:17-24.
- Meirelles, A.C.O. and Silva, C.P.N. 2005. Interações antrópicas. Pp. XX-XX. In: Vergara-Parente, J. (org.). Protocolos de conduta para encalhes de mamíferos aquáticos. Edições IBAMA, Recife, Pernambuco. 298 p.
- Monteiro-Filho, E.L.A. and Monteiro, K.D.K.A. (Org.) *Biologia, Ecologia e Conservação do Boto-Cinza*. (in press)
- Monteiro-Filho, E.L.A.; Monteiro, L.R. and Reis, S.F. 2002. Skull shape and size divergence in dolphins of the genus *Sotalia*: A tridimensional morphometric analysis. *Journal of Mammalogy*, 83(1): 125-134.
- Moreno, I. B., Zerbini, A. N., Danilewicz, D., Santos, M. C. O., Simoes-Lopes, P. C., Lailson-Brito, J. Jr. and Azevedo, A. F. 2005 Distribution and habitat characteristics of dolphins of the genus *Stenella* (Cetacea: Delphinidae) in the southwest Atlantic Ocean. *Marine Ecology Progress Series*, 300: 229-40.
- Motta, M.R.A. and Silva, C.P.N. In press. Rescue, handling and release of a melon-headed whalw, *Peponocephala electra*, stranded in Ceará, NE Brazil. *Latin American Journal of Aquatic Mammals*.
- Norberto, G. De O.; Marcondes, M.C.C.; Maia-Nogueira, R. 2005. Protocolo de Resgate, reabilitação e Soltura de Odontocetos. In: IBAMA. Protocolos de Resgate, reabilitação e Soltura de Mamíferos Aquáticos da Rede de Encalhe de Mamíferos Aquáticos do Nordeste – REMANE/IBAMA.
- Oliveira, M.R., Rosas, F.C.W., Pinheiro, P.C. and Santos, R. A. Alimentação. In: Monteiro-Filho, E.L.A. and Monteiro, K.D.K.A. (Orgs.) *Biologia, Ecologia e Conservação do Boto-Cinza*. (in press)
- Oliviera, F., Beccato, M.A.B., Nordi, N. and Monteiro-Filho, E.L.A. Etnobiologia. In: Monteiro-Filho, E.L.A. and Monteiro, K.D.K.A. (Orgs.) *Biologia, Ecologia e Conservação do Boto-Cinza*. (in press)
- Ramos, R.M.A., Rosas, F.C.W., Simões-Lopes, P.C., Zanelatto, R.C., Dans, S. and Crespo, E.A. Estimativa de idade. In: Monteiro-Filho, E.L.A. and Monteiro, K.D.K.A. (Orgs.) *Biologia, Ecologia e Conservação do Boto-Cinza*. (in press)
- Randi, M.A.F., Rassolin, P., Rosas, F.C.W. and Monteiro-Filho, E.L.A.. Padrão de cor de pele. In: Monteiro-Filho, E.L.A. and Monteiro, K.D.K.A. (Orgs.) *Biologia, Ecologia e Conservação do Boto-Cinza*. (in press)
- Rautenberg, M. and Monteiro-Filho, E.L.A. Cuidado Parental. In: Monteiro-Filho, E.L.A. and Monteiro, K.D.K.A. (Orgs.) *Biologia, Ecologia e Conservação do Boto-Cinza*. (in press)
- Rezende, F. Alterações Acústico Comportamentais. In: Monteiro-Filho, E.L.A. and Monteiro, K.D.K.A. (Orgs.) *Biologia, Ecologia e Conservação do Boto-Cinza*. (in press)
- Rosas, F.C.W. and Barreto, A. Reprodução e Crescimento. In: Monteiro-Filho, E.L.A. and Monteiro, K.D.K.A. (Orgs.) *Biologia, Ecologia e Conservação do Boto-Cinza*. (in press)
- Rosas, F.C.W. and Monteiro-Filho, E.L.A. 2002. Reproductive parameters of the estuarine dolphin (*Sotalia guianensis*) on the coast of Paraná State, southern Brazil. *Journal of Mammalogy*. 83(2): 507-515.
- Rosas, F.C.W. and Monteiro-Filho, E.L.A. 2002. Reproductive parameters of franciscan dolphin, *Pontoporia blainvillei* (Cetacea: Pontoporidae), on the coast of São Paulo and Paraná states, Brazil. *Mammalia*. 66(2): 231-245.
- Rosas, F.C.W., Barreto, A.S. and Monteiro-Filho, E.L.A. 2003. Age and growth of *Sotalia guianensis* (Cetacea, Delphinidae) on the coast of Paraná State, southern Brazil. *Fish. Bull.* 101 (2): 377-383.
- Rosas, F.C.W., Barreto, A.S., Monteiro-Filho, E.L.A. 2002. Age and growth of the estuarine dolphin (*Sotalia guianensis*) (Cetacea, Delphinidae) on the Paraná coast, southern Brazil. *Fish. Bull.* 101: 377-383.
- Rosas, F.C.W., Monteiro-Filho, E.L.A., Marigo, J., Santos, R.A., Andrade, A.L.V., Rautenberg, M., Oliveira M.R. and Bordignon, M.O. 2002. The striped dolphin, *Stenella coeruleoalba* (Cetacea: Delphinidae), on the coast of São Paulo State, Southeast Brazil. *Aquat. Mamm.* 28(1): 60-66.

- Silva-Jr, J. M., Silva, F. J. L. & Sazima, I. 2005. Rest, nurture, Sex, release and play: diurnal underwater behaviour of the spinner dolphin at Fernando de Noronha Archipelago, SW Atlantic. *Aqua Journal of Ichthyology and Aquatic Biology*, 9, 161-176.
- Souto, L. R. A.; Maia-Nogueira, R.; Oliveira, J. G. A.; Nunes, J. A. C. C.; Sampaio, C. L. S. Análise das mordidas de tubarão-charuto, *Isistius* sp. (Squaliformes; Dalatiidae) em cetáceos (Mammalia; Cetacea) no litoral da Bahia, Nordeste do Brasil. *Biotemas* (in press).
- Zerbini, A.N., Andriolo, A., Heide-Jørgensen, M.P., Pizzorno, J.L., Maia, Y.G., VanBlaricom, G.R., DeMaster, D.P., Simões-Lopes, P.C., Moreira, S. and Bethlem, C.P. Satellite-monitored movements of humpback whales (*Megaptera novaeangliae*) in the Southwest Atlantic Ocean. *Marine Ecology Progress Series* (In press).

11.2 Unpublished literature

- Alonso, M.B.; Marcatto, F.A.; Bertozzi, C.P. and Zerbini, A.N. 2005. Fishery Characteristics and Cetacean Bycatch in Guarujá and Santos, São Paulo State, Southeastern Brazil. In: 16th Biennial Conference on the Biology of Marine Mammals, San Diego, California, USA, p.11.
- Alves, L.C.P.S. Reações de baleias-jubarte, *Megaptera novaeangliae* (Borowsky, 1781; Cetacea: Mysticeti) à marcação por telemetria satelital Dissertação de Mestrado em Comportamento e Biologia Animal (Universidade Federal de Juiz de Fora). Juiz de Fora, MG, Brasil. 70p. [In Portuguese]
- Alves, L.C.P.S., Zerbini, A.N., Andriolo, A., Simões-Lopes, P.C., Moreira, S.C., Pizzorno, J.L., Maia, Y.G., Heide-Jørgensen, M.P., VanBlaricom, G.R. and DeMaster, D.P. 2005. Preliminary results of behavioral responses of humpback whales (*Megaptera novaeangliae*) to satellite tag deployment. 15th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, USA, December 2005, Abstracts, p. 13.
- Barreto, A. S.; Moraes, C. G.; Sperb, R. M. Using GIS to manage cetacean strandings. In: 8th International Coastal Symposium, 2004, Itapema. Proceedings of the 8th International Coastal Symposium, 2004 (proceedings are to be published as a special issue of the *Journal of Coastal Research*).
- Carvalho, V. L. ; Motta, M. R. A. and Campello, M. V. M. . 2005a. Ocorrência de *Halocercus* sp. (Nematoda: Pseudaliidae) em um espécime de golfinho clymene, *Stenella clymene* (Cetacea: Delphinidae), encalhado vivo no litoral do Ceará. In: III Congresso e VI Encontro Norte e Nordeste da Sociedade de Zoológicos do Brasil, 2005, Olinda.
- Carvalho, V. L. ; Motta, M. R. A. and Campello, M. V. M. 2005b. Ocorrência de *Anisakis* sp. (Nematoda: Anisakidae) em um espécime de golfinho clymene, *Stenella clymene* (Cetacea: Delphinidae), encalhado vivo no litoral do Ceará. In: III Congresso e VI Encontro Norte e Nordeste da Sociedade de Zoológicos do Brasil, 2005, Olinda.
- Carvalho, V. L.; Motta, M. R.A.; Meirelles, A. C. O. and Campello, M.V.M. 2005c. Infestações parasitárias associadas à fratura rostral em um espécime de golfinho clymene, *Stenella clymene*, encalhado vivo no litoral do Ceará. In: Resumos do IV Encontro Nacional Sobre Pesquisa e Conservação dos Mamíferos Aquáticos, 2005.
- Cipolotti, S. R. C.; Morete, M. E.; Basto, B. I.; Engel, M. H. & Marcovaldi, E. 2005. Increasing of whale watching activities on humpback whales in Brazil: implications, monitoring and research. International Whaling Commission. Ulsan, Korea, Working paper: SC/57/WW7.
- Dafferner, G.; Barbosa, M.B.; Freitas, R.H.A.; Penteado, J.P.C.; Alencastro, P.M.R.; Fortes, R.C.; Laitano, K.S.; Figna, V.N.; Grando, A.P.; Santos Jr., W.R.; Silva Ribeiro, C.C.; Gerhardinger, L.C.; Ramos, R.M.A. 2005. Resultados do esforço de observação de cetáceos a bordo do navio sísmico Falcon Explorer durante as atividades nas Bacias de Campos e Santos (dez/04 a jun/05): uma abordagem descritiva. II Congresso Brasileiro de Oceanografia, Vitória, Espírito Santo, 9 a 12 de outubro de 2005, resumo.
- Erber, C.; Moreira, S.; Fernandes, T.; Carneiro, A.; Alencastro, P.; Poletto, F.; Figueiredo, L.; Fortes, R.; Bertoincini, Á.; Grando, A.; Rinaldi, G.; Figna, V.; Silva, E.; Moraes, E.; Ramos, R. 2005. The monitoring of marine mammals onboard seismic vessels as tool for the knowledge of the distribution of the genus *Stenella* in the Brazilian coast. 19th Annual Meeting of the Society for Conservation Biology, Brasília, DF, Brasil, 15 a 19 de Julho de 2005. resumo 289, p. 68.
- Erber, C.; S.C. Moreira; T.Fernandes; F.R. Poletto; P.M.R. Alencastro; A.P. Grando; V.N.D. Figna; G. Dafferner; R.H.A. Freitas; A.V. Carneiro; C.M. Miranda; M.B. Barbosa; D. Eliseire Jr.; A.N.F. Almeida; R.M.A. Ramos. 2005. Avistagens de baleia-piloto, orca-pigméia, falsa-orca, orca e golfinho-de-Risso: dados inéditos para ampliar o conhecimento de espécies pouco conhecidas. III Congresso Brasileiro de Mastozoologia, Vitória, Espírito Santo, 12 a 16 de outubro de 2005, resumo 252, pg 85.
- Farias-Junior, S.G.; Alonso, M.B.; Marcatto, F. Novas Informações Sobre o Golfinho Pintado do Atlântico *Stenella Frontalis* no Litoral Sudeste e Sul do Brasil. IV Encontro Nacional sobre Pesquisa e Conservação de Mamíferos Aquáticos. 12 a 15 de novembro de 2005, UNIVALI, Itajaí, Santa Catarina, p. 42.
- Filla, G.F., Monteiro-Filho, E.L.A., Rautenberg, M., Rezende, F., Bernardi, L.R., Monteiro, K.D.K.A., Oliveira, F., Bisi, T. L., De Oliveira, L.V., Rodrigues, R. G., Domit, C. 2002. Projeto Boto-cinza: o desenvolvimento de um programa de caráter interdisciplinar como modelo para futuras propostas de conservação de cetáceos no Brasil. 10a. Reunion de Trabajo de Especialistas en Mamíferos Acuáticos de America del Sur & 4to. Congreso SOLAMAC. Valdivia, Chile.
- Filla, G.F., 200. Estimativa da Densidade Populacional e Estrutura de Agrupamento do Boto-cinza *Sotalia guianensis* (CETACEA: DELPHINIDAE) na Baía de Guaratuba e na Porção Norte do Complexo Estuarino da Baía de Paranaguá, PR. Dissertação de Mestrado; Pós-graduação. Universidade Federal do Paraná, 67pp.
- Gonçalves, M. 2003. Interações entre embarcações e *Sotalia guianensis* (Cetacea: Delphinidae), no estuário de Cananéia, Estado de São Paulo, Brasil. Monografia de Graduação. Universidade dos Açores. 47pp.
- Haivukainen, L. 2004. Estimativa da Densidade Populacional do Boto-cinza *Sotalia guianensis* (CETACEA: DELPHINIDAE) na Baía de Trapadé, no município de Cananéia, litoral sul do Estado de São Paulo. Monografia de Graduação. Universidade de Mogi das Cruzes, 27 pp.
- Japp, A.K. 2004. Estimativa da Densidade Populacional do Boto-cinza *Sotalia guianensis* (CETACEA: DELPHINIDAE) na Baía de Antonina, litoral do Estado do Paraná. Monografia de Graduação. Universidade Católica do Paraná.

- Jesus, A.H.; Cândido-Júnior, J.; Domingos, B.L.; Oliveira, A.G.A.; Guimarães, A.L.S.; Lima, M.S.; Moralez, S.J.D.; Donald, R.D.M. 2005. Ocorrência de baleias-jubarte *Megaptera novaeangliae* Borowski, 1781 (CETACEA: MYSTICETI) no litoral do Estado de Sergipe, Brasil. III Encontro Nordestino de Biólogos. Fortaleza.
- Jesus, A.H.; Cândido-Júnior, J.; Santana, C.A.; Farias, R.C.; Reis, A.N.; Brandão, I.M.; Morales, J.C.D.; Guimarães, A.L.S.; Lima, M.S.; Donald, R.D.M. 2005. Registros de encalhes de cachalotes *Physeter macrocephalus* Linnaeus, 1758 (CETACEA: ODONTOCETI) no litoral do Estado de Sergipe. III Encontro Nordestino de Biólogos. Fortaleza.
- Jesus, A.H.; Guimarães, A.L.S.; Donald, R.D.M.; Moralez, S.J.D.; Cândido-Júnior, J.; Lima, M.S.; Machado, A. 2005. Resgate de um golfinho clímene *Stenella clymene* Gray, 1846 encalhado no litoral norte do Estado de Sergipe. IV Encontro de Pesquisa e Conservação de Mamíferos Aquáticos. Itajaí.
- Marcatto, F.A.; Alonso, M.B.; Bertozzi, C.P. 2005. Marine Mammal Sightings during Fishery Operations in Southeastern and Southern Brazil. In: 16th Biennial Conference on the Biology of Marine Mammals, San Diego, California, USA, p.179.
- Marigo, J.; Feijó, E.C.; Oliveira, F.A.F.; Silva, D.C. da; Ruoppolo, V.; Bertozzi, C.P. Novos registros de *Pontoporia blainvillei* em Ubatuba, litoral norte de São Paulo e os limites do hiato. In: IV Encontro Nacional sobre Pesquisa e Conservação de Mamíferos Aquáticos. 12 a 15 de novembro de 2005, UNIVALI, Itajaí, Santa Catarina. p. 38.
- Marigo, J.; Henrique-Garcia, J.; Barreto, A. S. *Hadwenius pontoporiae* (Trematoda: Digenea) (Raga, Aznar, Balbuena, e Dailey, 1994) em *Pontoporia blainvillei* (Gervais & d'Orbigny, 1844) do litoral de Santa Catarina, Brasil. In: IV Encontro Nacional sobre Pesquisa e Conservação de Mamíferos Aquáticos. 12 a 15 de novembro de 2005, UNIVALI, Itajaí, Santa Catarina. p. 39.
- Martin, A. R., da Silva, V. M. F. da Silva and D.L. Salmon (2004). Riverine habitat preference of botos (*Inia geoffrensis*) and tucuxi (*Sotalia fluviatilis*). MM Sc. 20(2):189-200.
- Meirelles, A.C.O. 2005. Aspectos da ecologia comportamental do boto cinza, *Sotalia guianensis* Van Bénédén, 1864 (MAMMALIA, CETACEA, DELPHINIDAE), na Praia de Iracema, Fortaleza-CE. Dissertação de Mestrado em Bioecologia Aquática. Universidade Federal do Rio Grande do Norte, UFRN, Natal-RN. 113p.
- Moreira, S.; Fernandes, T.; Erber, C.; Alencastro, P.; Silva, E.D.; Rinaldi, G.; Aragão, R.; Figna, V.; Ramos, R. (2004). Ocorrência de cachalotes (*Physeter macrocephalus*) na costa do Brasil. 11ª Reunión de Trabajo de Especialistas en Mamíferos Acuáticos de América del Sur y 4º Congreso de la Sociedad Latinoamericana de Especialistas en Mamíferos Acuáticos. Quito, Ecuador, 11-17 de Septiembre de 2004, resumo, p. 160.
- Pomilla, C.; Best, P. B.; Findlay, K. P.; Collins, T.; Engel, M. H.; Minton, G.; Ersts, P.; Barendse, J.; Kotze, P. G. H.; Razafindrakoto, Y.; Ngouessono, S.; Meyer, M.; Thornton, M. & Rosenbaum, H. C. 2005. Population structure and sex-biased gene flow in humpback whales from Wintering Regions A, B, C, and X based on nuclear microsatellite variation. International Whaling Commission. Ulsan, Korea, Working paper: SC/57/SH13.
- Ramos, R.; Moreira, S.; Alencastro, P.; Poletto, F.; Rinaldi, G.; Silva, E.D.; Aragão, R.; Erber, C.; Carneiro, A.V.; Fernandes, T. & Figueiredo, L. (2002) Monitoramento de Cetáceos nas Bacias Sedimentares do Espírito Santo, Campos e Santos, Sudeste do Brasil. 10ª Reunión de Trabajo de Especialistas en Mamíferos Acuáticos de América del Sur y 4º Congreso de la Sociedad Latinoamericana de Especialistas en Mamíferos Acuáticos. Valdivia, Chile, 14-19 de outubro de 2002, resumo, p. 111.
- Ramos, R.; R. Ribeiro; S.C. Moreira; C. Erber; P.M.R. Alencastro; F.R. Poletto; E.D. Silva; T.Fernandes; A. Bertoncini; E. Moraes; A. Venturotti; L.D. Figueiredo; R.C. Fortes; A.P. Grando; V.N.D. Figna; G.C. Rinaldi; R.X. Aragão (2004) Monitoramento da biota marinha em atividades petrolíferas: uma contribuição para o conhecimento da distribuição e ocorrência da fauna marinha. Congresso Brasileiro de Oceanografia e XVI Semana Nacional de Oceanografia, UNIVALI, Itajaí, Santa Catarina, 10 e 15 de outubro de 2004, resumo 4229, p. 115.
- Ramos, R.; R. Ribeiro; S.C. Moreira; C. Erber; P.M.R. Alencastro; F.R. Poletto; E.D. Silva; T.Fernandes; A. Bertoncini; E. Moraes; A. Venturotti; L.D. Figueiredo; R.C. Fortes; A.P. Grando; V.N.D. Figna; G.C. Rinaldi; R.X. Aragão (2004) Monitoramento da biota marinha em atividades petrolíferas: uma contribuição para o conhecimento dos possíveis efeitos no comportamento da fauna marinha. Congresso Brasileiro de Oceanografia e XVI Semana Nacional de Oceanografia, UNIVALI, Itajaí, Santa Catarina, 10 e 15 de outubro de 2004, resumo 4228, p. 114.
- Reis, M.S.S.; Dias, T.L.; Alencar, A.N.; Reis, J.A.; Menezes B.; Lara, D.L.; Spínola, J.L. (2005). Estudo da ecologia comportamental do boto *Sotalia guianensis* na Barra do Paraguaçu- Bahia. XV Encontro de Zoologia do Nordeste, Salvador.
- Ribeiro, A.C. 2006 Ações antrópicas observados em botos cinza, *Sotalia guianensis* Van Bénédén, 1864 (CETACEA, DELPHINIDAE) encalhados no litoral do estado do Ceará, Brasil. Monografia de graduação em Ciências Biológicas. Universidade Estadual do Ceará, UECE, Fortaleza-CE.
- Ribeiro, R.; Freire, C.A.; Rocha, E.S.; R. Ramos (2004) Monitoramento da biota marinha em atividades petrolíferas: uma contribuição para o conhecimento da distribuição de cetáceos usando tecnologia GIS. Congresso Brasileiro de Oceanografia e XVI Semana Nacional de Oceanografia, UNIVALI, Itajaí, Santa Catarina, 10 a 15 de outubro de 2004, resumo 4227, p. 114.
- Silva, E. D. 2003. Ocorrência e distribuição de Mysticeti e Odontoceti (Cetacea) em Bacias Sedimentares da Região Sudeste do Brasil. Dissertação de mestrado da Universidade Estadual Paulista, Centro de Aquicultura da UNESP, Campus de Jaboticabal. 105pp.
- Silva, E.D.; Carneiro, A.V.; Moreira, S.; Fernandes, T.; Alencastro, P. & Ramos, R. (2002) Ocorrência de Cetáceos em áreas profundas da Bacia de Santos, região Sudeste do Brasil. 10ª Reunión de Trabajo de Especialistas en Mamíferos Acuáticos de América del Sur y 4º Congreso de la Sociedad Latinoamericana de Especialistas en Mamíferos Acuáticos. Valdivia, Chile, 14-19 de outubro de 2002, resumo, p. 115.
- Simões, D. G. 2005. Comportamento das baleias jubarte (*Megaptera novaeangliae*) no litoral norte da Bahia e Banco dos Abrolhos. Dissertação de Mestrado. Universidade de Brasília, Brasília, DF, Brasil, 104 p.
- Souto, L. R. A.; Lemos, L. M.; Violante, T. H. A. S.; Maia-Nogueira, R. (2006). Menor comprimento registrado para um filhote de cachalote-anão, *Kogia simus* (Owen, 1866) encalhado no litoral da Bahia, nordeste do Brasil. XXVI Congresso de Zoologia do Brasil, Londrina.
- Souto, L. R. A.; Maia-Nogueira, R.; Oliveira, J. G. A.; Nunes, J. A. C. C.; Sampaio, C. L. S. (2006) Análise das mordidas de tubarão-charuto, *Isistius* sp. (Squaliformes; Dalatiidae) em cetáceos (Mammalia; Cetacea) no litoral da Bahia, Nordeste do Brasil. XXVI Congresso de Zoologia do Brasil, Londrina.

- Souto, L. R. A.; Oliveira, J. A.; Maia-Nogueira, R.; Araújo, D.; Norberto, G. O. (2006) Monitoramento de Praias na Bacia Camamu-Almada, Baixo Sul da Bahia durante aquisição de dados sísmicos 3D. XXVI Congresso de Zoologia do Brasil, Londrina.
- Souto, L. R. A.; Violante, T. H. S. A.; Lemos, L. M.; Saraiva, F. S.; Guedes, L.; Dórea-Reis, L. W.; Paiva, A. A. (2006). Registro de *Lontra longicaudis* (Olfers, 1818) na Praia do Forte, litoral norte da Bahia, Brasil, com ênfase na interação antrópica negativa. XXVI Congresso de Zoologia do Brasil, Londrina.
- Stevick, P. T.; Godoy, L. P.; Mcosker, M.; Engel, M. H. & Allen, J. 2005. Movement of a humpback whale from Abrolhos Bank, Brazil to South Georgia (Antarctic Area II). International Whaling Commission. Ulsan, Korea, Working paper: SC/57/SH1.
- Wedekin, L.L., Rossi- Santos, M.R.; Bonin, C.A.; Cremer, M.; Lodi, L.; Oliveira, F.; Daura- Jorge, F.G.; Simões- Lopes, P. C.; Monteiro-Filho, E.L.A. and Pires, J.S.R. 2003a. Análise comparativa do tamanho de grupo entre diferentes populações do boto cinza, *Sotalia guianensis* (Cetacea: Delphinidae), na costa do Brasil. II Brazilian Congress of Mastozoology/ Congresso Brasileiro de Mastozoologia, Belo Horizonte, MG, June,26-29.
- Zappes, C.A. 2003. Análises das variações comportamentais do Boto-cinza (*Sotalia guianensis*) em relação ao movimento turístico em uma praia da Ilha do Cardoso, Cananéia, SP. Monografia de Bacharelado. Universidade Vale do Rio Doce. Governador Valadares, MG.
- Zerbini, A.N., Andriolo, A., Heide-Jørgensen, M.P., Pizzorno, J.L., Maia, Y.G., VanBlaricom, G.R., DeMaster, D.P., Simões-Lopes, P.C. and Moreira, S. 2004. Identification of a summering ground of humpback whales from Brazil: Results from satellite telemetry. 11a. Reunion de Trabajo de Especialistas en Mamíferos Acuáticos de América del Sur y V Encontro de la Sociedad Latino Americana para los Mamíferos Marinos. Quito, Ecuador, Sep 2004
- Zerbini, A.N., Andriolo, A., Heide-Jørgensen, M.P., Pizzorno, J.L., Maia, Y.G., VanBlaricom, G.R., DeMaster, D.P., Simões-Lopes, P.C., Moreira, S. and Bethlem, C.P. 2005. Identification of a summering ground of humpback whales (*Megaptera novaeangliae*) in the Southwest Atlantic Ocean. 15th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, USA, December 2005, Abstracts, p. 314.