

THE PRODUCTION OF PARATY FISHERIES: BASIS FOR HUMAN ECOLOGICAL ANALYSES

IDRC, FAPESP & CNPQ

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DATA FROM FISH LANDINGS

- Sub-projects: Genetics ,Fisher behavior, Market, Ecosystem based, Reef fish ecology, Management, PES

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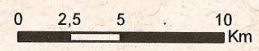




LEGENDA

- Municípios
- Comunidades de pesca artesanal

Escala: 1:300.000





METHODS: PERIODS: 1986-1992 BUZIOS ISLAND AND SEPETIBA BAY (3); 2002 TO 2009: 11 COMMUNITIES, PLUS DIET AND GONADS

- 1. Fish landings
- 2. Fish Identification (fish market Pr Grande)
- 3. Fish diet and gonads
 - [volume and visible eggs, macroscopic analyses]



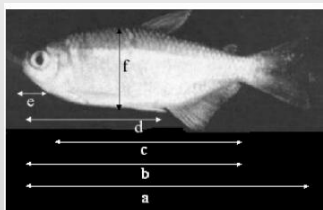
- No Lab needs
- Less time consuming
- Adequate for fishers

- From Ceará (NE Brazil) to Santa Catarina (S Brazil)
- 14 sites



Ficha : coleta de dados de desembarque pesqueiro**No. da Ficha:** _____**Coletor:** _____

Dia:	Mês/Ano:	Local:
Nome da Peixaria ou do Ponto de desembarque		
Nome do Pescador		
Embarcação		
Local de Pesca		
Tempo de ida + volta (minutos)		
Aparelho (apetrecho de pesca)		
Pescado (espécie)	Número	Peso (Kg)
Pesar e contar juntos, Por espécie		

No. da Ficha: _____ **Coletor** _____**Data:** _____ **Local:** _____**Para cavala, garoupas e robalos (por indivíduo)**

Comprimento Total Da cabeça ao final da nadadeira caudal (na foto é o a)	Nome Ex: robalo peba	Comprimento 10cm	Peso
IND1			
IND2			
IND3			
IND4			
IND5			

RESULTS: 10 MONTHS

(Nov 2009 TO AUG 10)

Species

- Diversity
- Per fishing spot
- Per month
- Per fisher
- Per gear or technology
- Production (Kg)

Fishing spots

- Production
 - Species, technology
- Travel time
 - Fisher's decision processes
- Seasonal changes
- Fishing agreements and PES



PRODUCTION: NOVEMBER 2009 TO AUGUST 2010

For 10 months:, Production

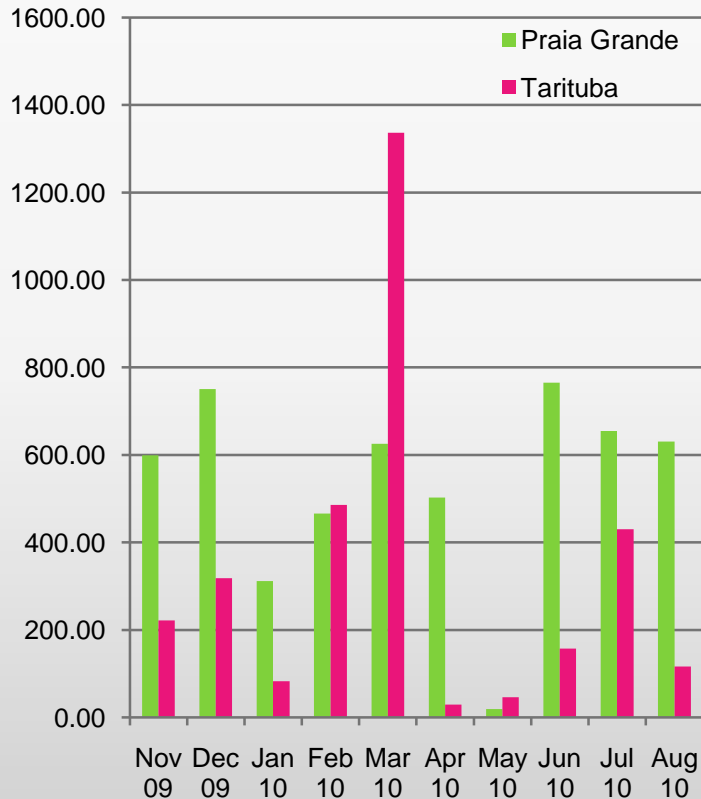
Praia Grande: 5.325,45 Kg

Tarituba: 3,.224,24 Kg

For 10 months, Number of trips

Praia Grande: 181

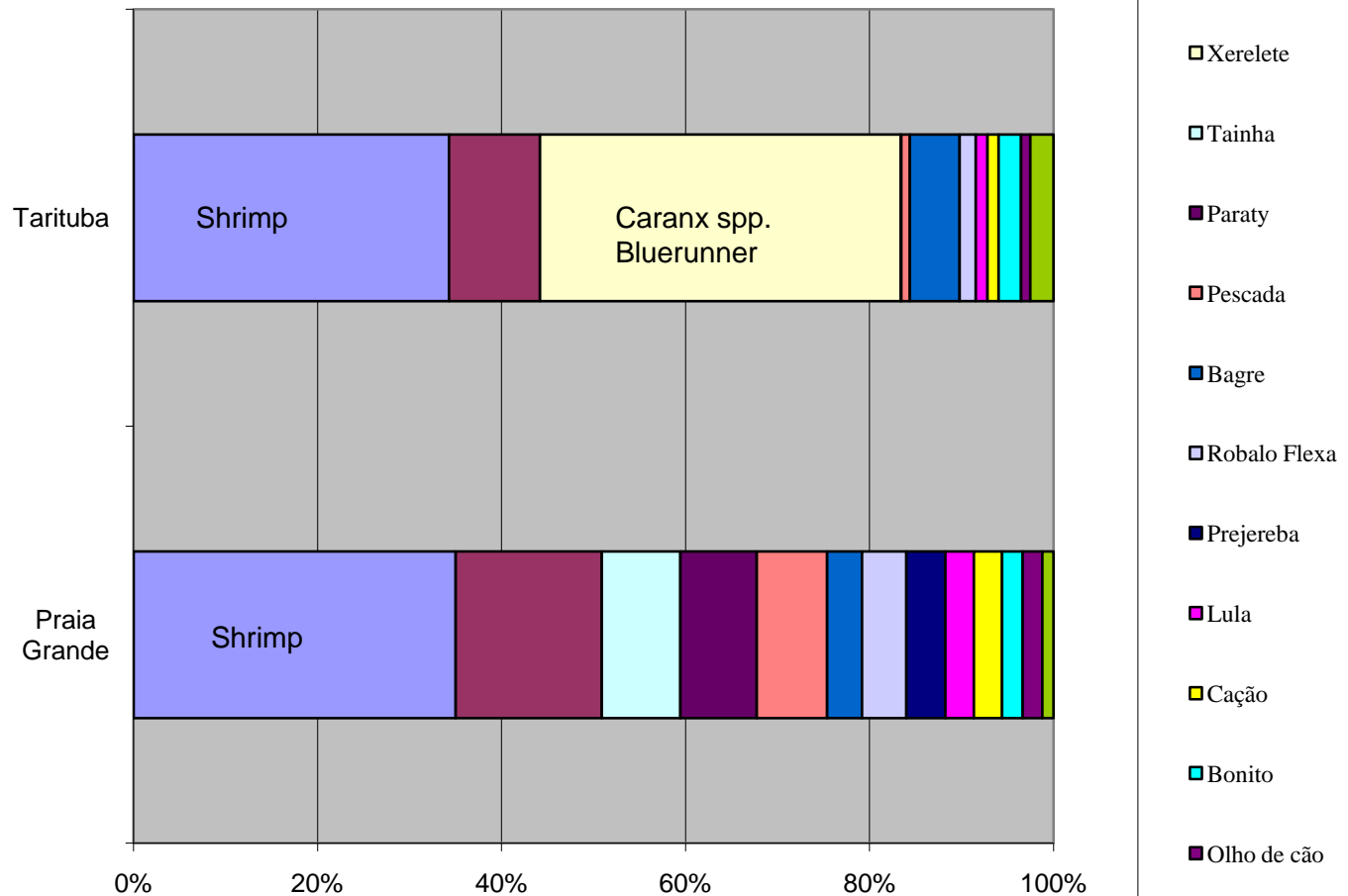
Tarituba: 80



○ 261 Trips sampled



Catch content in different locations (Kg)

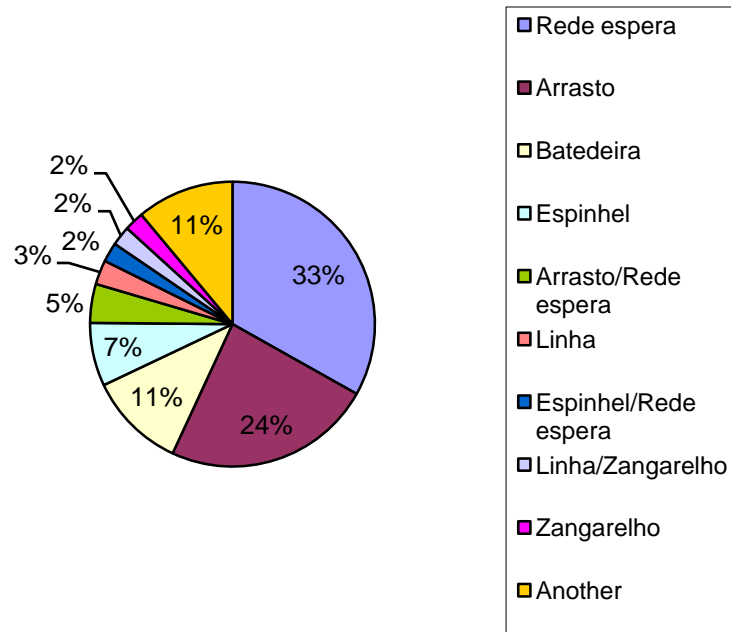


GEAR AND TECHNOLOGY

Praia Grande

N=181

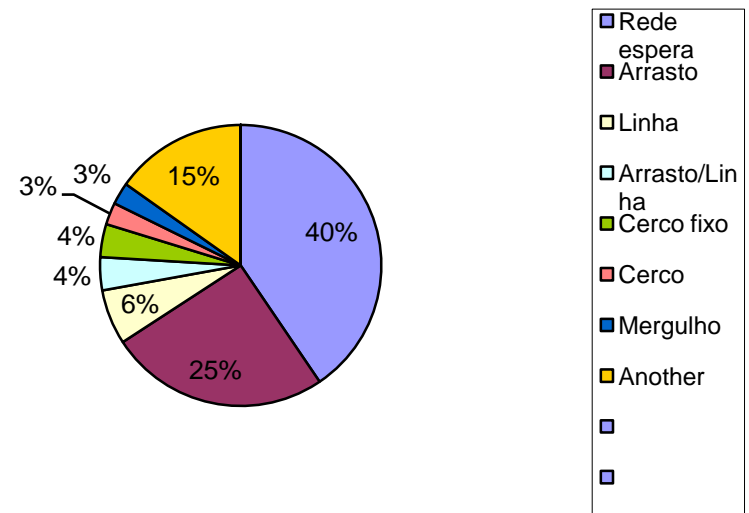
Technologies used in Praia Grande



Tarituba

N= 79

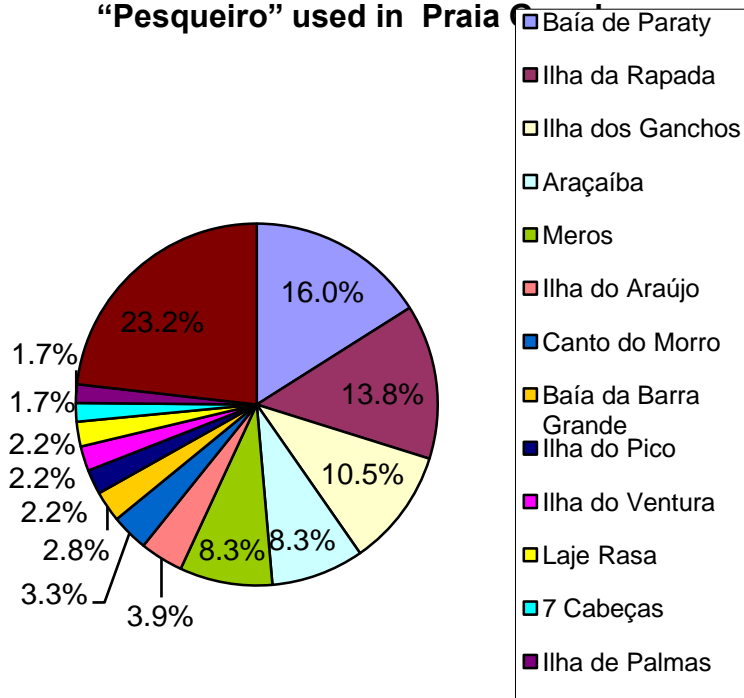
Tehnologies used in Tarituba



PESQUEIROS

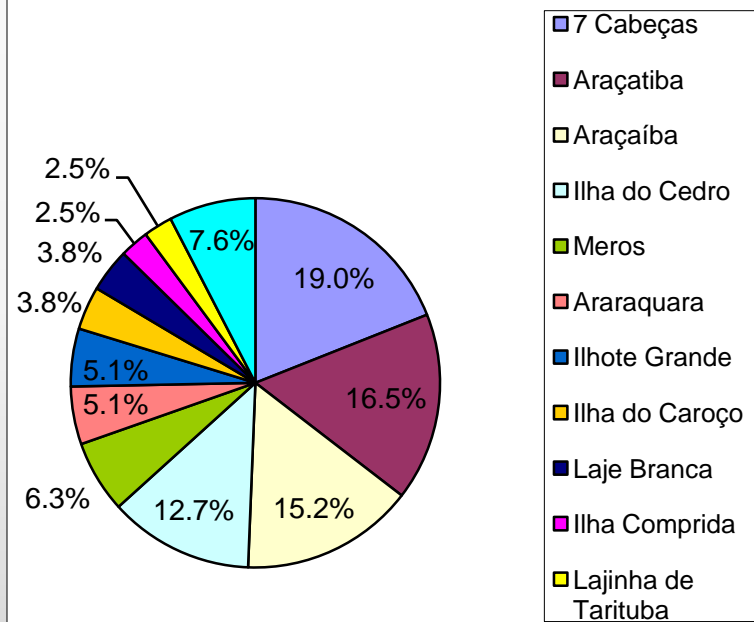
Praia Grande

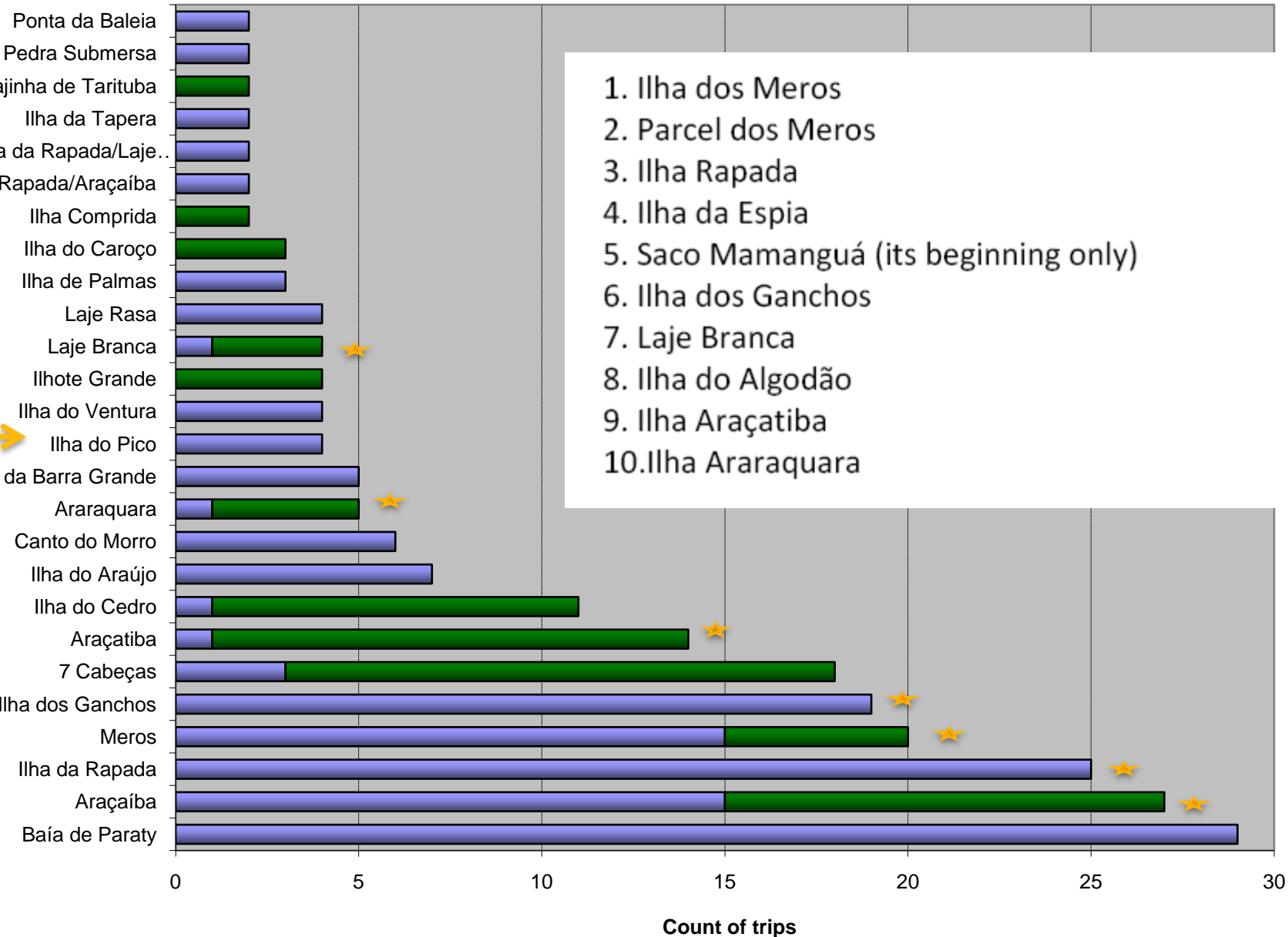
“Pesqueiro” used in Praia Grande



Tarituba

“Pesqueiro” used in Tarituba

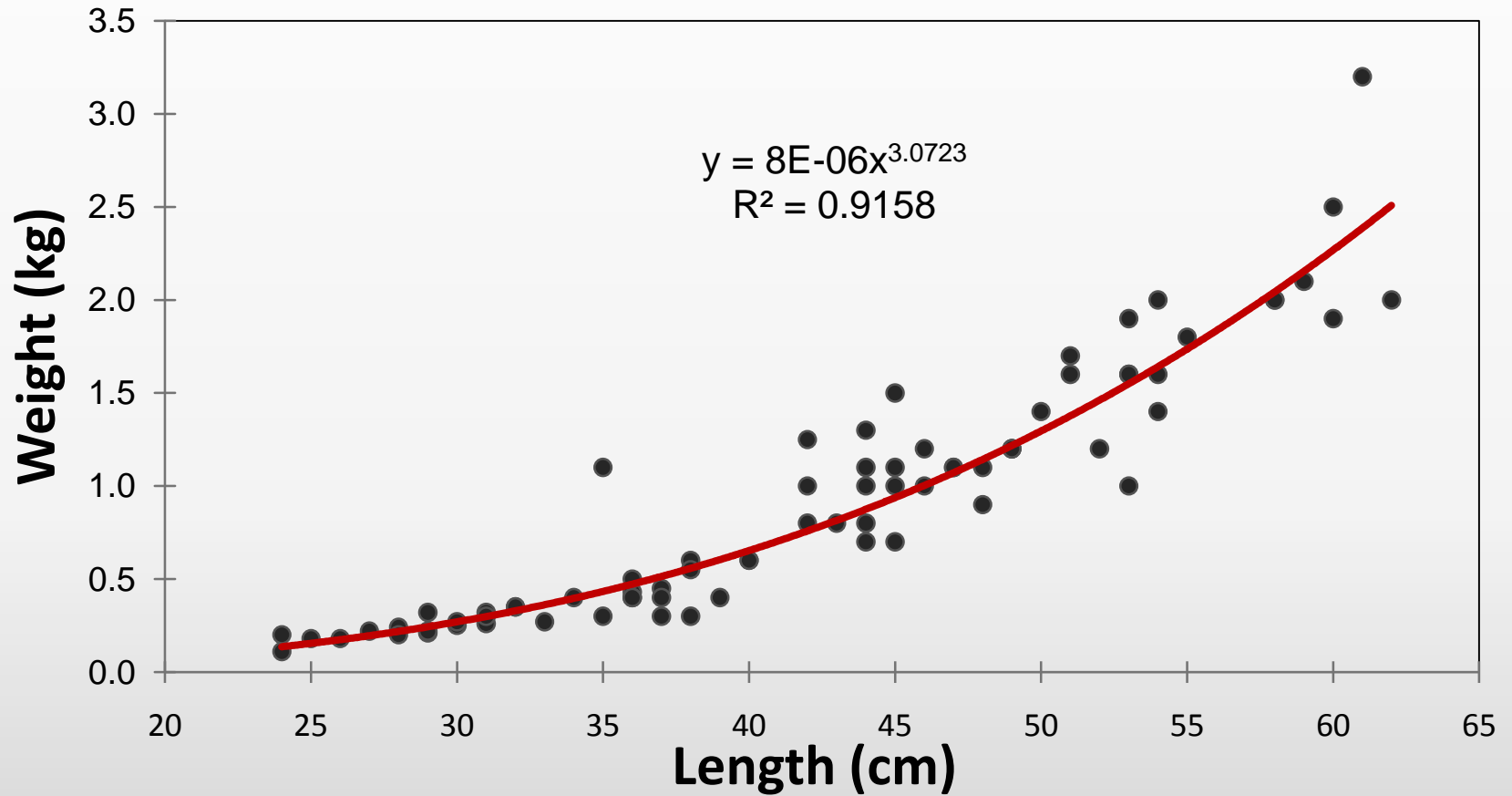




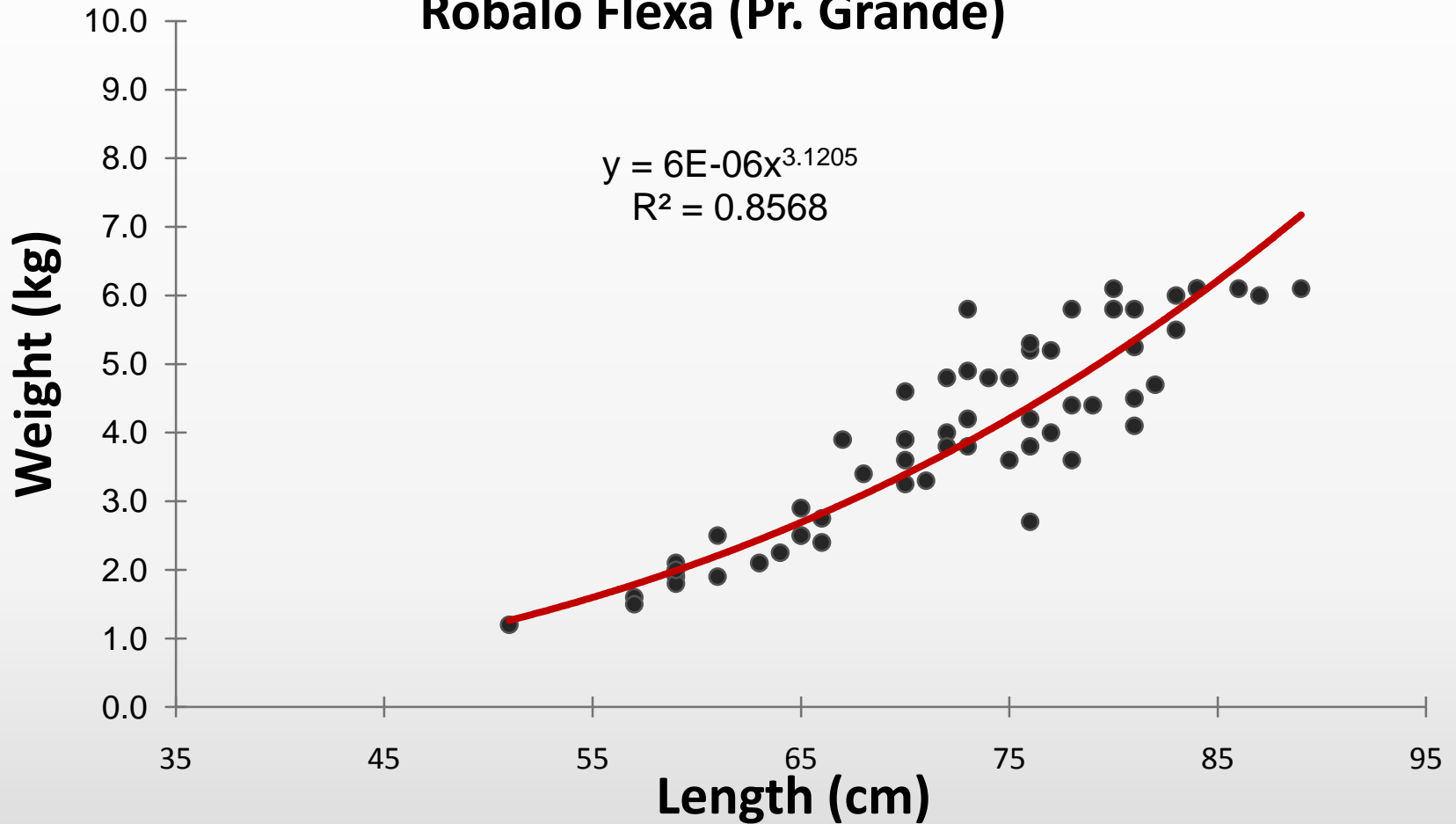
1. Ilha dos Meros
2. Parcel dos Meros
3. Ilha Rapada
4. Ilha da Espia
5. Saco Mamanguá (its beginning only)
6. Ilha dos Ganchos
7. Laje Branca
8. Ilha do Algodão
9. Ilha Araçatiba
10. Ilha Araraquara

■ Praia Grande ■ Tarituba

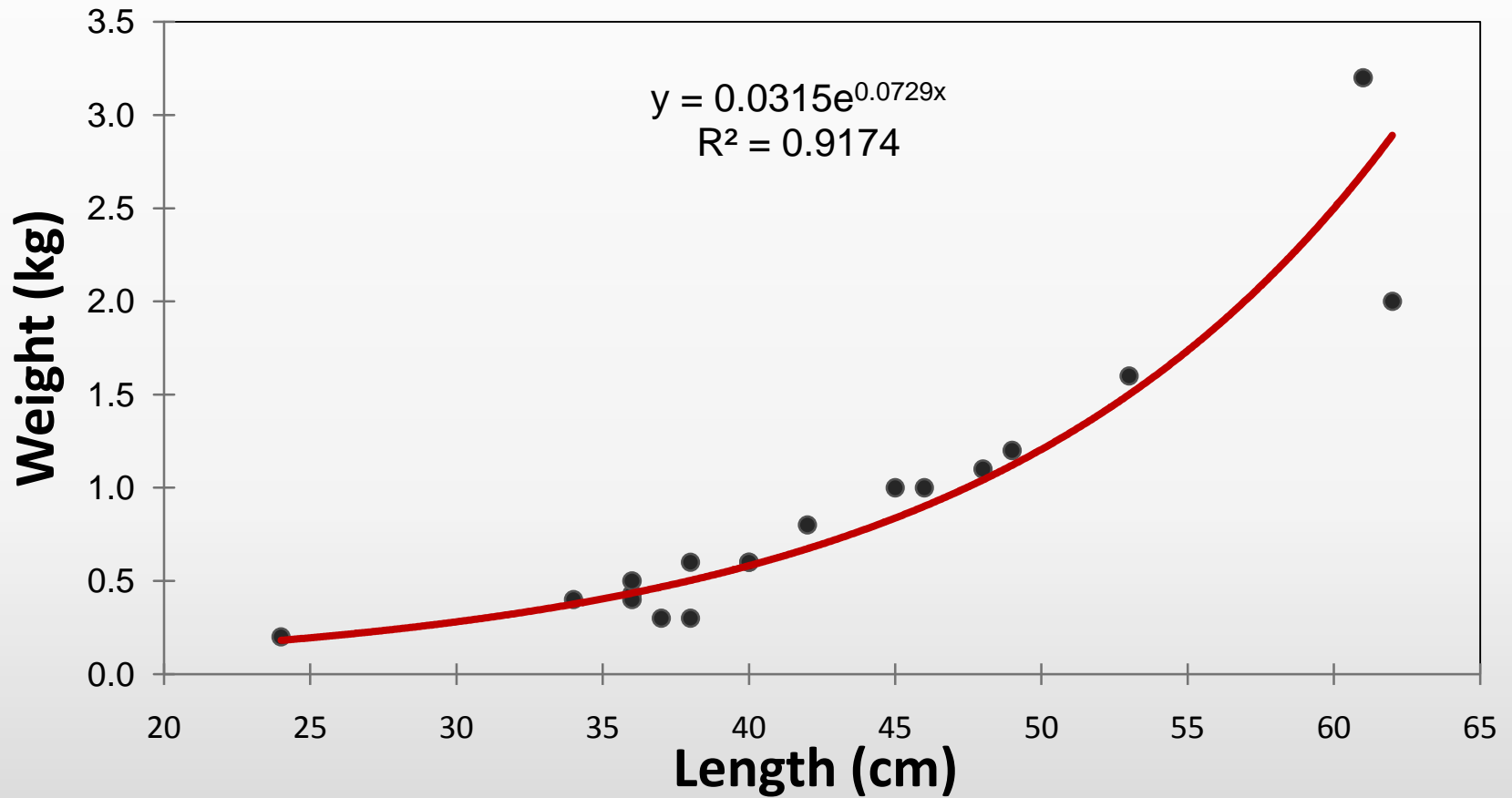
Robalo Peba (Pr. Grande & Tarituba)



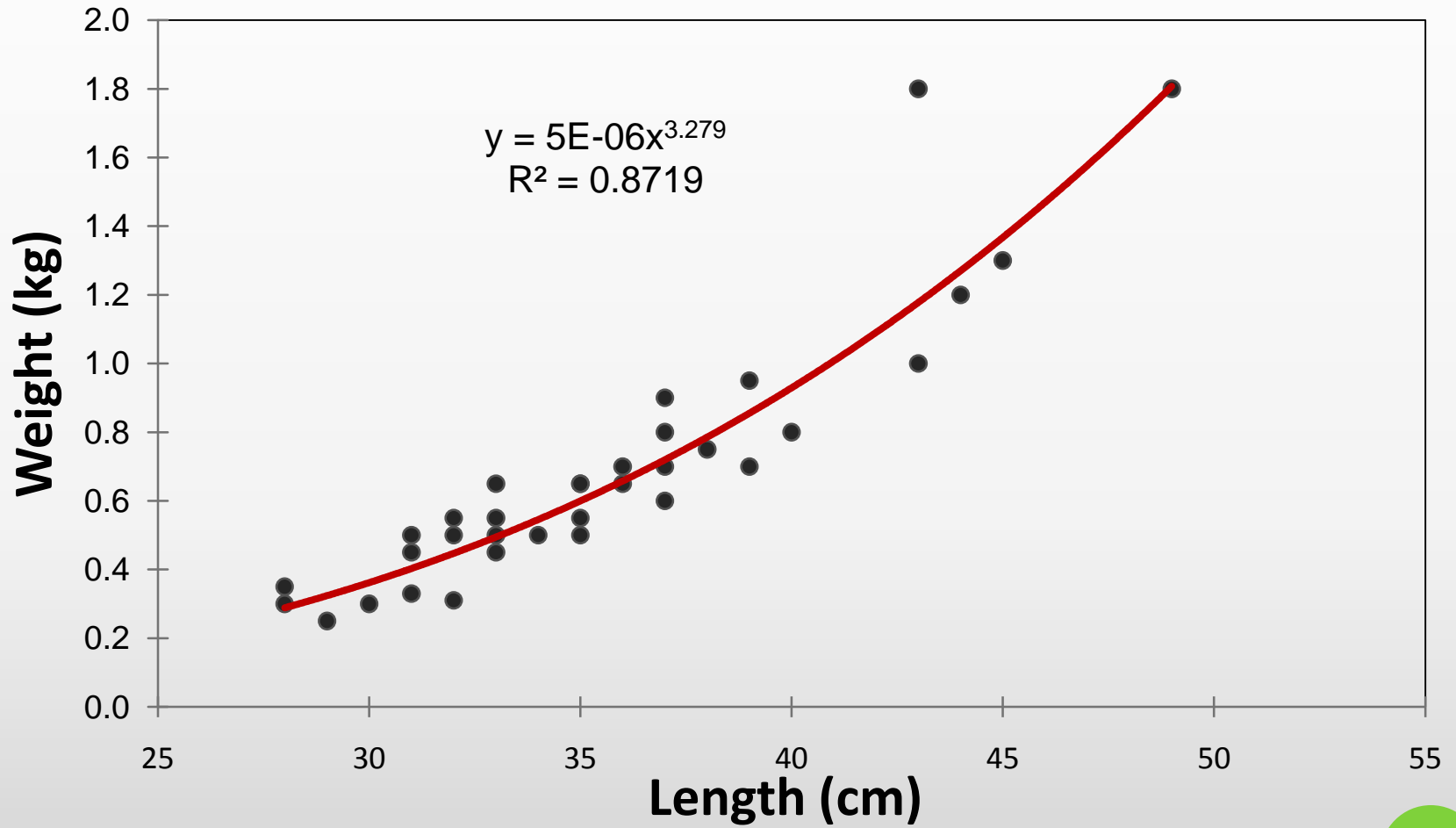
Robalo Flexa (Pr. Grande)



Robalo Peba (Tarituba)



Garoupa (Pr. Grande & Tarituba)



TRINDADE

COLETA: ROBSON D. POSSIDÔNIO



Species

Família	Espécie	Nome local
Carangidae	<i>Decapterus punctatus</i>	Carapau
	<i>Selenne setapinnis</i>	Galo
	<i>Oligoplites saliens</i>	Guaivira
	<i>Chloroscombrus chrysurus</i>	Palombeta
	<i>Trachinotus</i> sp.	Pampo
	Não identificado	Xaréu branco
Kyphosidae	<i>Kyphosus</i> sp.	Pirajica
Pomatomidae	<i>Pomatomus saltatrix</i>	Anchova
	<i>Caranx</i> sp.	Xarelete
Sciaenidae	<i>Micropogonias furnieri</i>	Corvina
Scombridae	Não identificado	Bonito
	<i>Scomberomorus cavalla</i>	Cavala
	<i>Scomberomorus brasiliensis</i>	Sororoca
Trichiuridae	<i>Trichiurus lepturus</i>	Espada

^a outras espécies (nome local): olhudo, bicuda, cação-viola, sambalo, bagre, baiacu, salamiguara, vermelho, ubeba, caranha, sardinha, baquara, arraia, savelha, xixarro, olho de cão, porquinho, ubarana, caratinga, enxada, olhete.

Cerco Production

Tabela 2. Produção do principal pescado obtido em cercos flutuantes de Trindade.

Pescado	Kg	Numero de viagens	Pescado (Kg)/ viagem
Total	1.972	70	28
Cavala	91	15	6
Sororoca	261	17	15
pirajica	454	5	91
bonito	561	18	31

THANK YOU!

