

Success of No-take Reserves

Presentation to Coral Reef Task Force

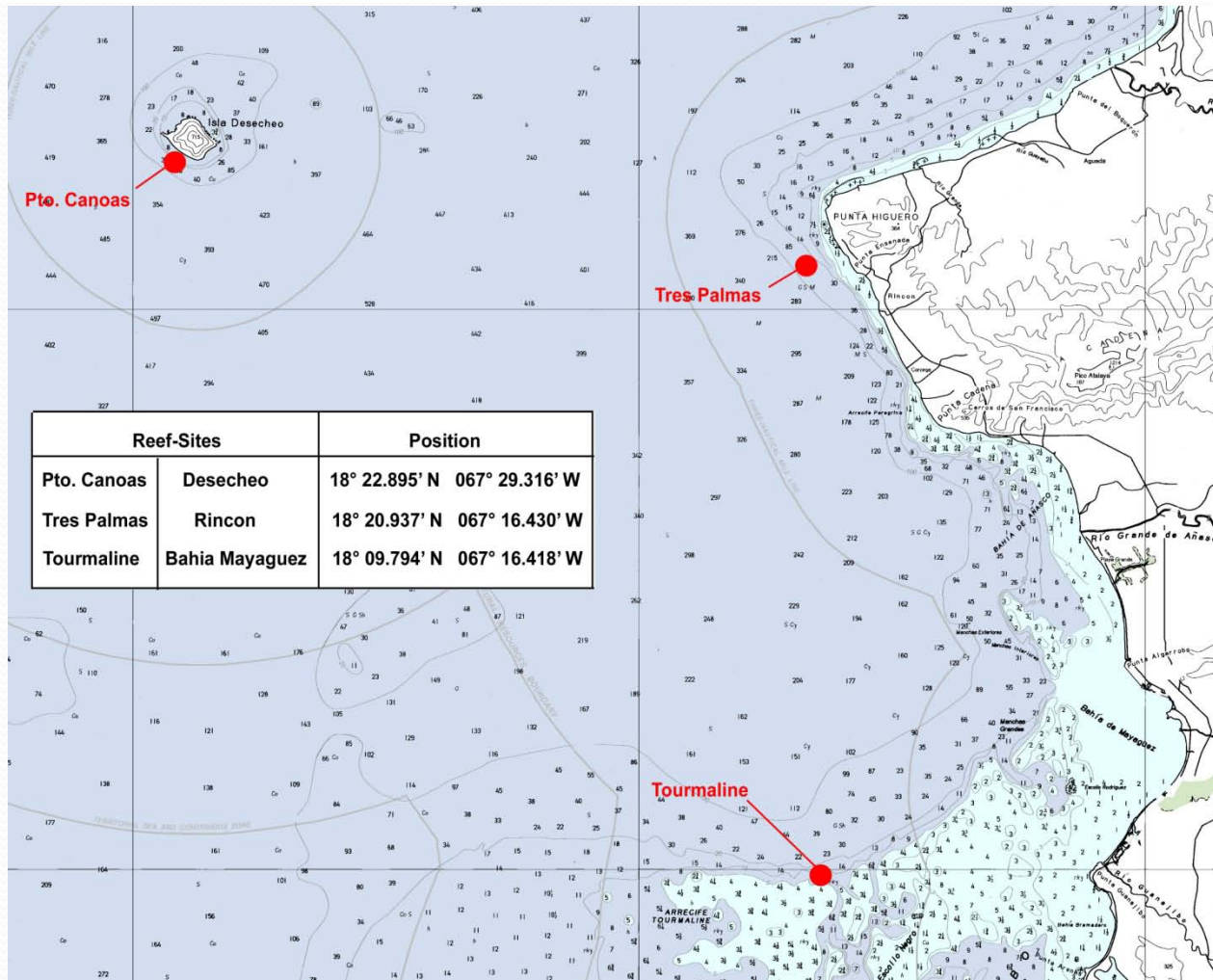
November 3, 2009

San Juan, Puerto Rico

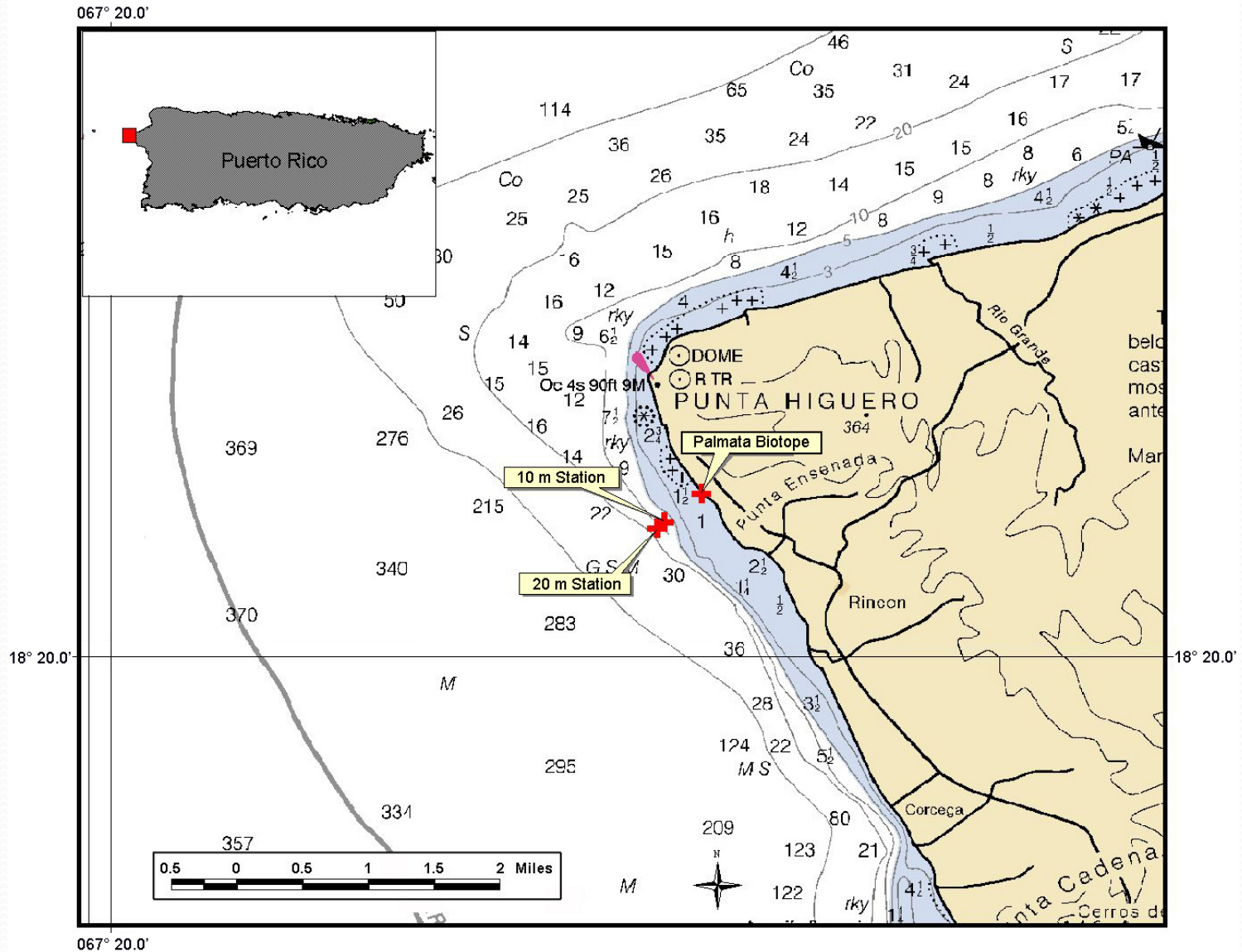
DNER Coral Reef Monitoring

- Seven natural reserves are monitored every year
- Total of 15 reefs within those reserves
- Two no-take reserves: Tres Palmas in Rincón and Isla de Desecheo
- Demersal and territorial fish populations are surveyed
- Large elusive fish populations are surveyed using Active Search Census (ASEC) techniques

No Take Reserves



Tres Palmas Reserve Location



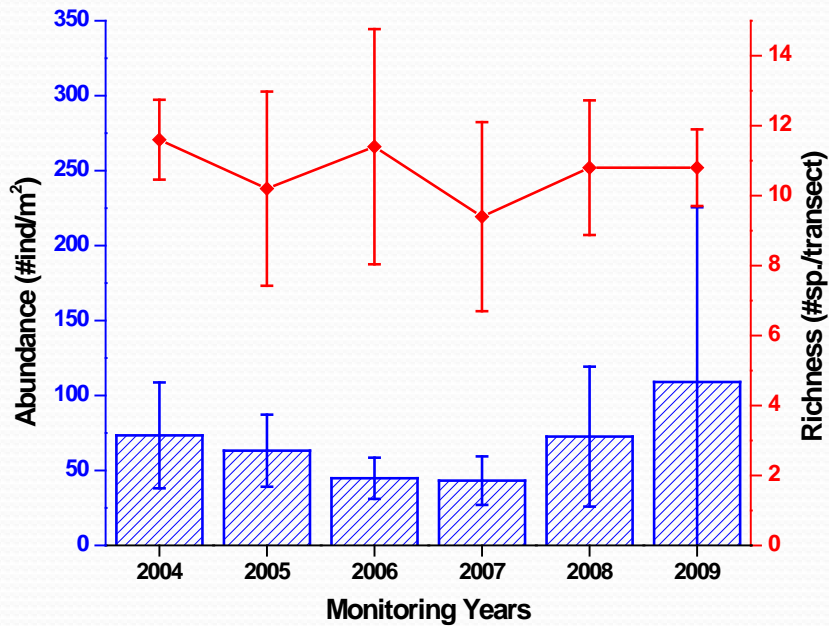
Acropora palmata



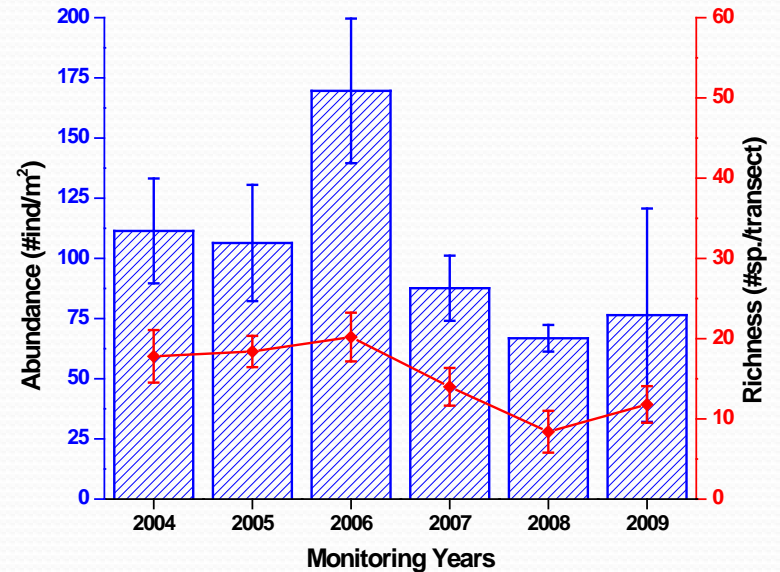
Reported results

Results of species of fish Tres Palmas (2009)			
	2-5 m	10-15 m	20 m
Number sps.	58	113	39
Mean abundance	109.0 Ind/30 m ²	76.4 Ind/30 m ²	267.2 Ind/30 m ²
Mean #	10.8	11.8	22

Fish Abundance & Richness

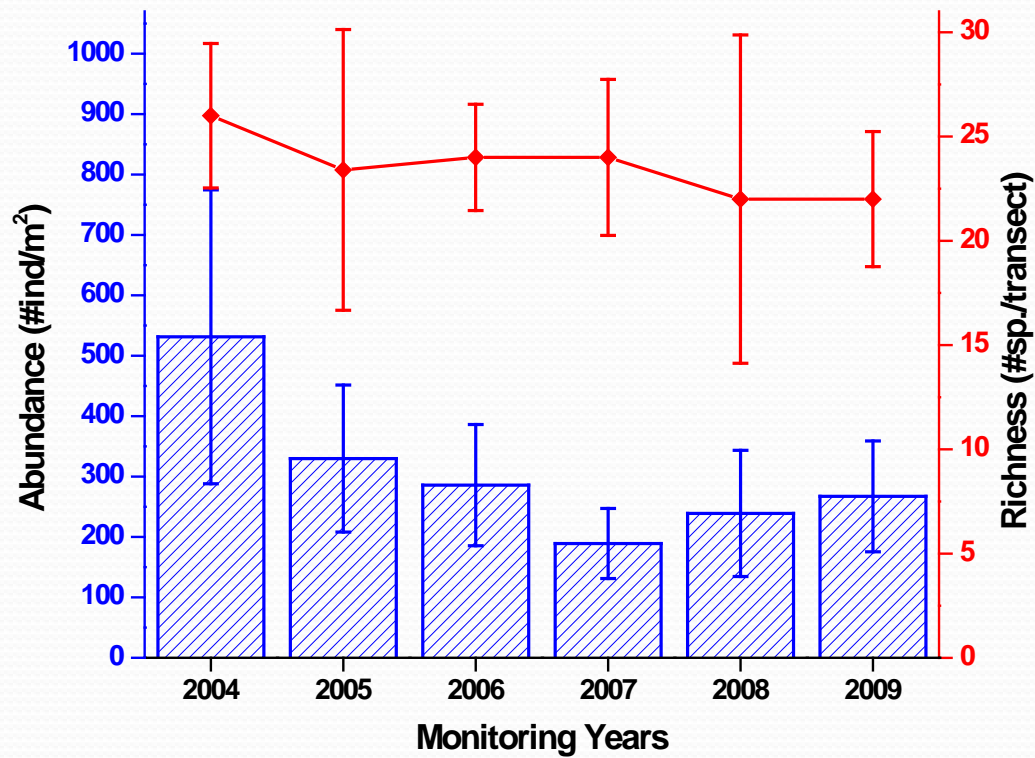


2-5 meter depth



10-15 meter depth

Fish Abundance & Richness

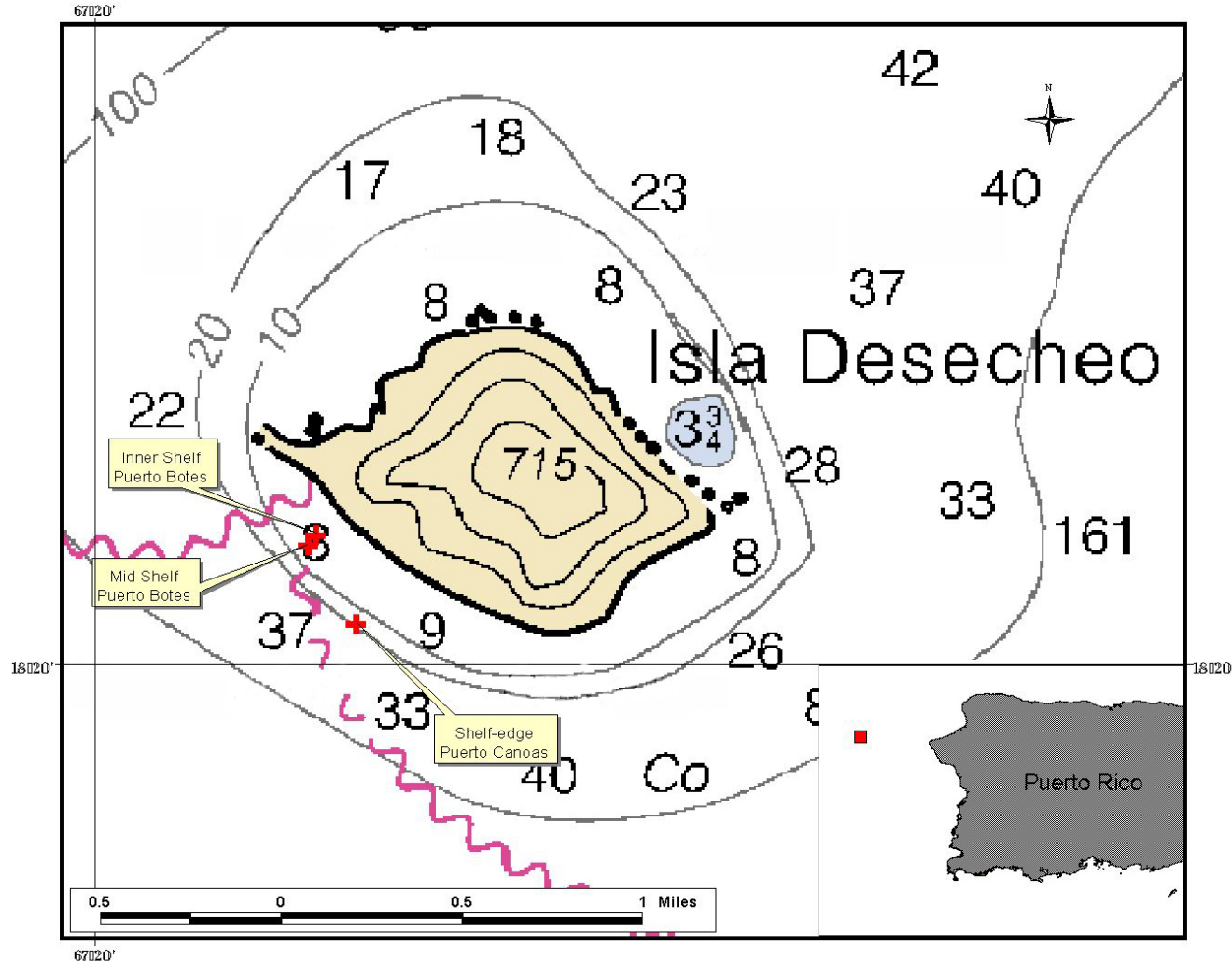


20 meter depth

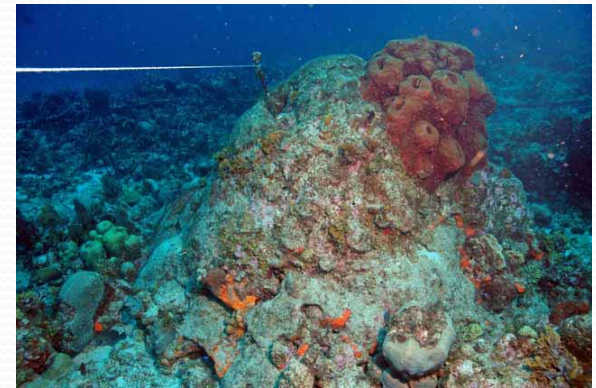
Species of fish monitored at TPR



Desecheo Island Reserve Location



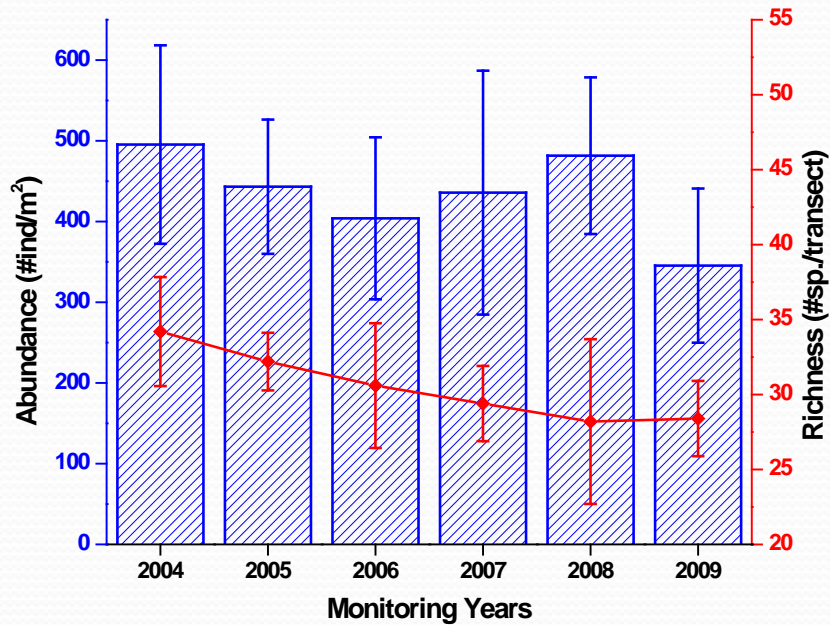
Desecheo Island



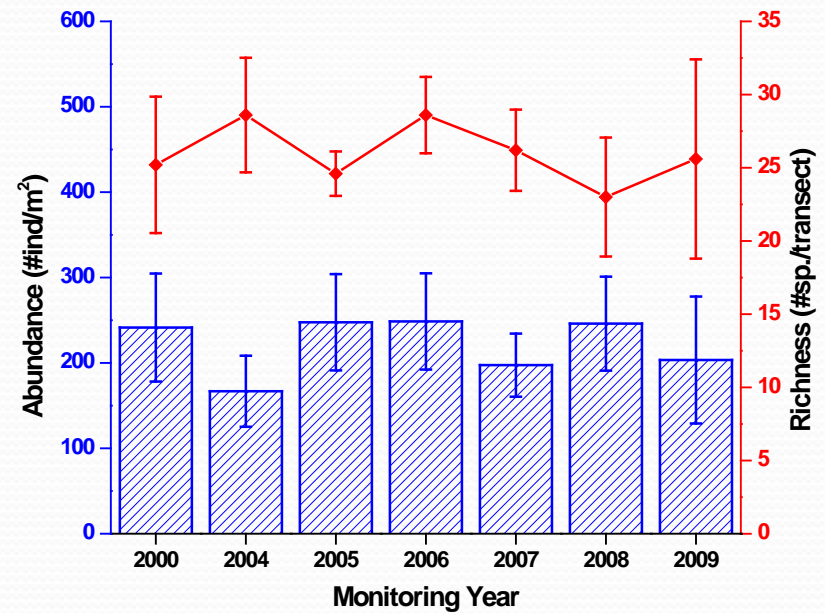
Reported results

Results of species of fish Desecheo Island (2009)			
	2-5 m	10-15 m	20 m
Number sps.	43	45	95
Mean abundance	189.4 Ind/30 m ²	203.4 Ind/30 m ²	345.4 Ind/30 m ²
Mean #	21.4	25.6	28.4

Fish Abundance & Richness

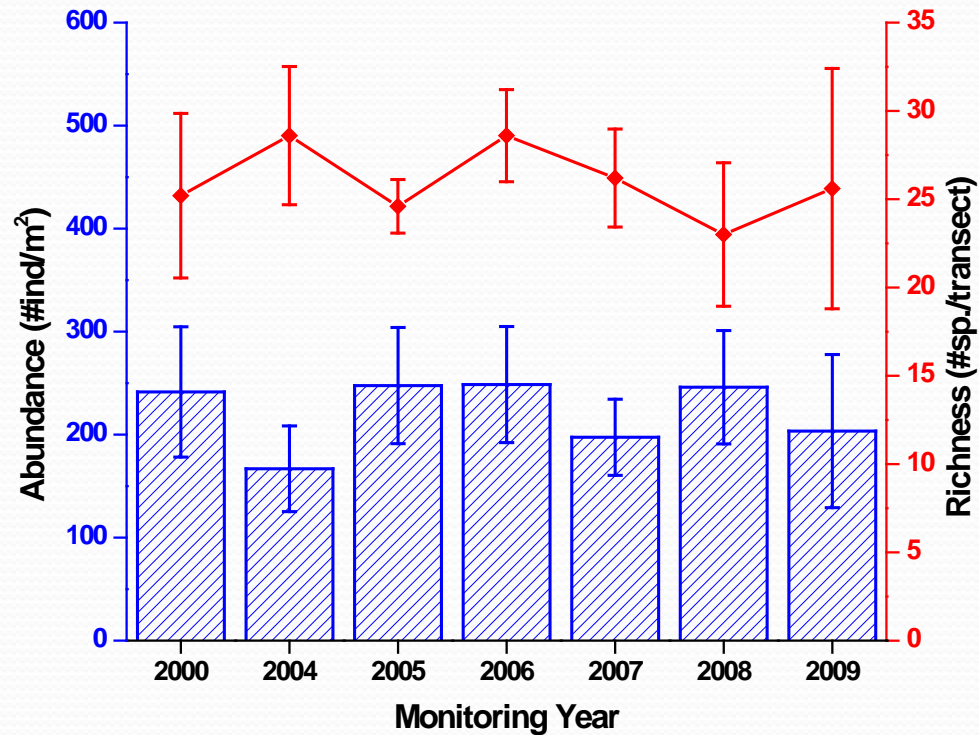


30 meters depth



20 meters depth

Fish Abundance & Richness



15 meters depth

Sampled Sps. Desecheo Island

