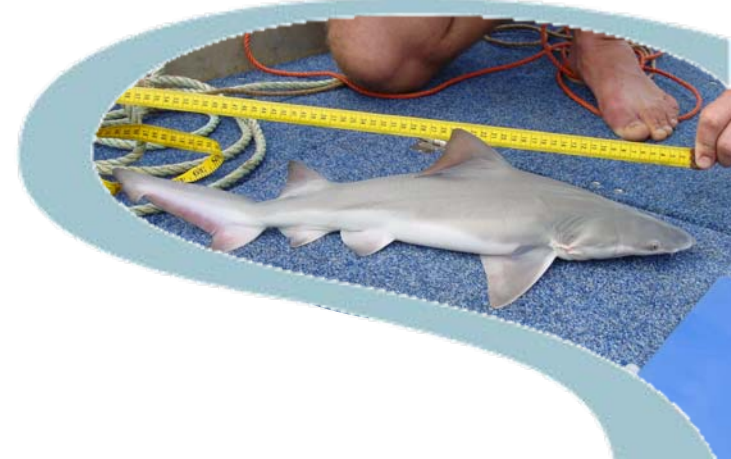


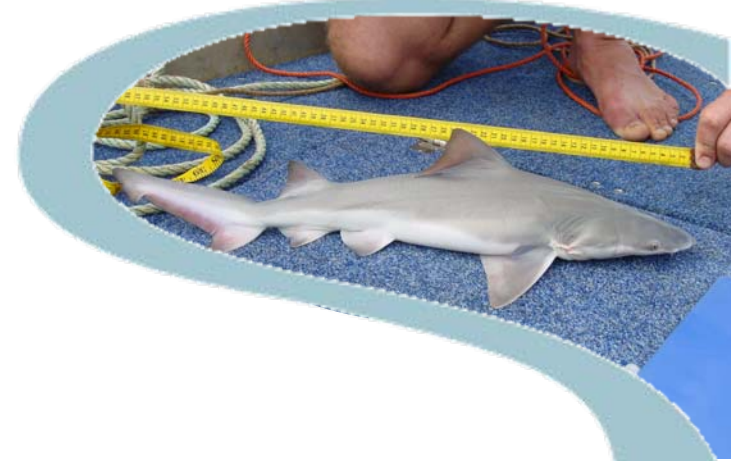
# Freshwater and estuarine shark abundance, distribution and potential interaction with fisheries



## Why study sharks?

- ➔ Shark are common around to Northern Australia
- ➔ Good for healthy rivers
- ➔ Common species are bull and pigeye sharks
- ➔ Also, supposedly rare spartooth or northern river sharks (*Glyphis* spp.)
- ➔ These have unknown distribution and abundance
- ➔ Essential for strong and resilient populations and ecosystems

# Freshwater and estuarine shark abundance, distribution and potential interaction with fisheries



## Aims

- Fill knowledge gaps
  - Anecdotal information from fishers suggest that populations are numerous
  - Quantify interactions with commercial and recreational fishers
- Provide information for management and conservation, including
- Outcomes of the project:
  - Baseline population information
  - Quantify potential interactions with fishers
  - Encourage fishers to participate in management and conservation research

# Freshwater and estuarine shark abundance, distribution and potential interaction with fisheries

## Questionnaire and catches

➤ Quick questionnaire (it will take roughly 5 minutes or less) for fishers, please **answer online** or return by post or fax

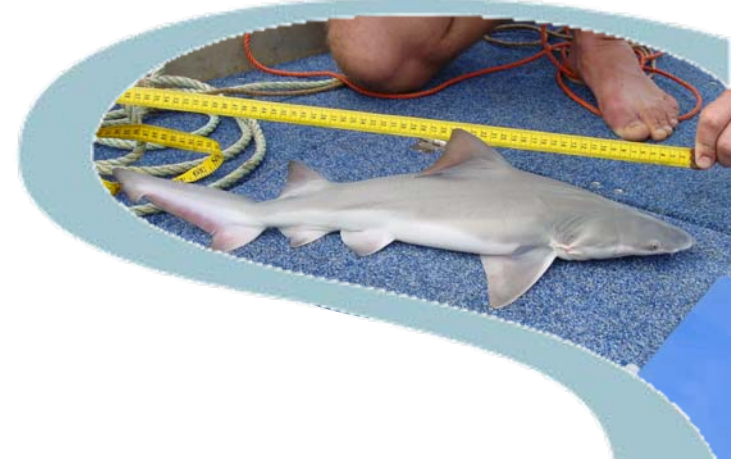
<http://www.cdu.edu.au/ser/questionnaire>

➤ We have provided ID guides to help with shark identifications

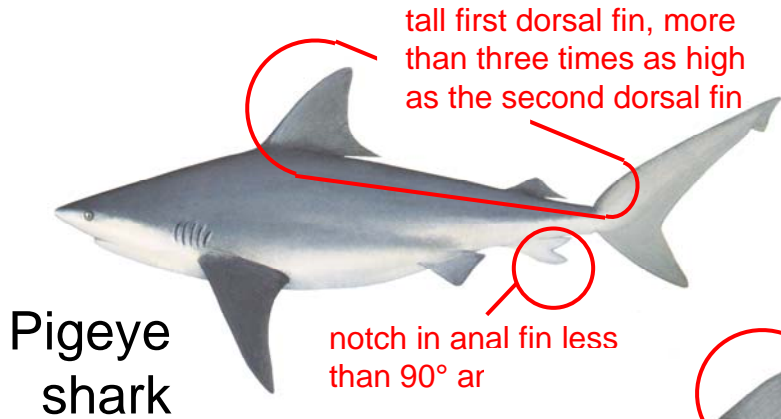
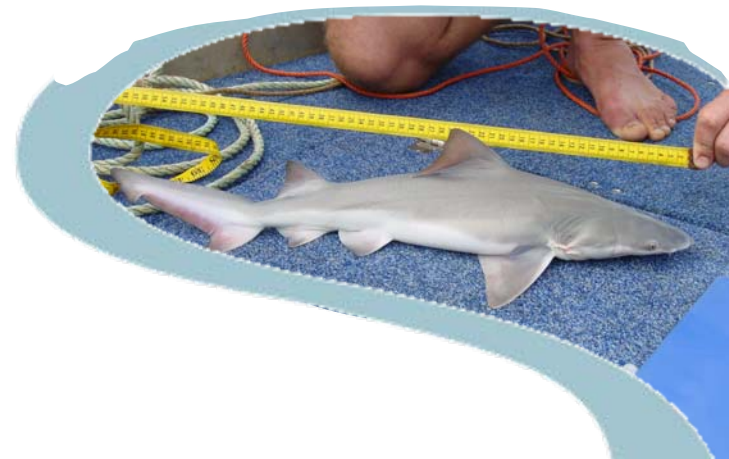
➤ Return information of catches to NT Fisheries

➤ Further information from

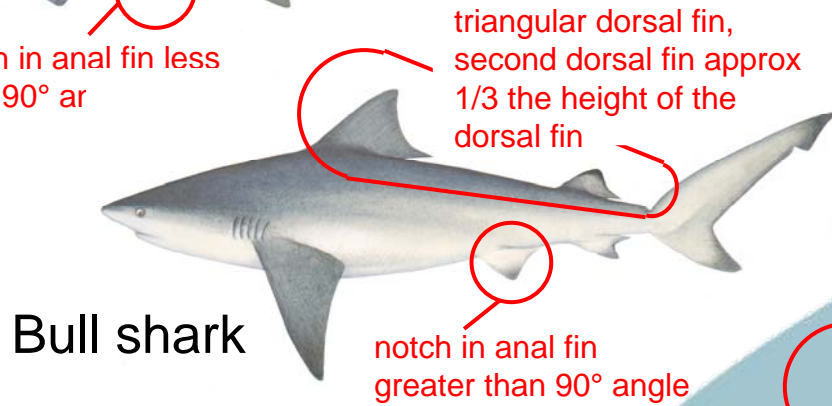
<http://www.cdu.edu.au/ser/FreshwaterEstuarinesharks.htm>



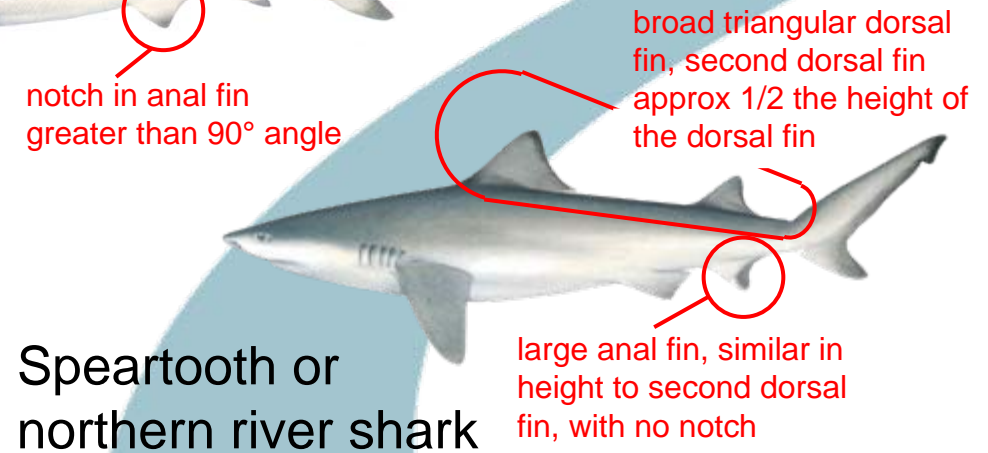
# Freshwater and estuarine shark identification guide



Pigeye shark



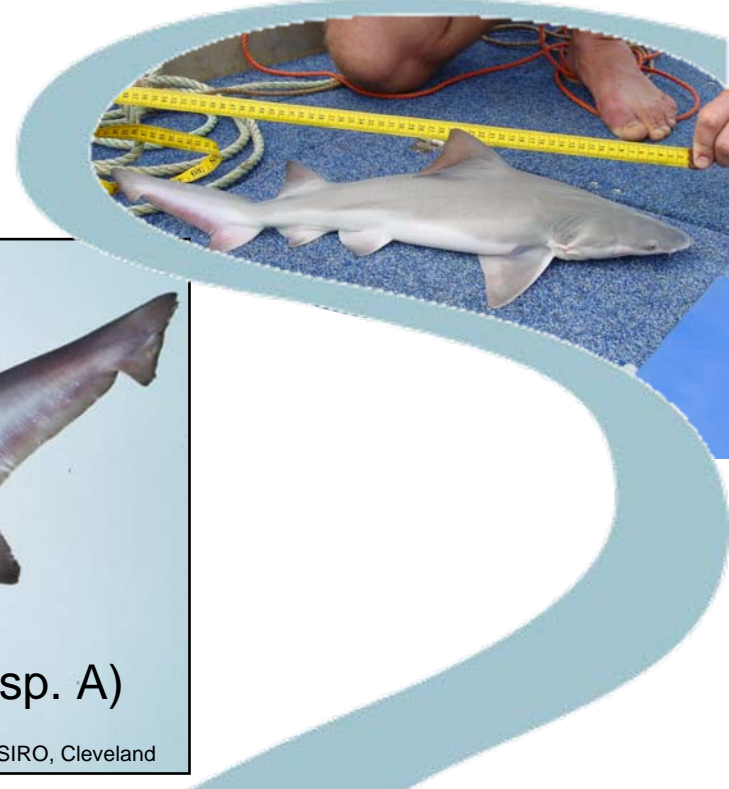
Bull shark



Speartooth or northern river shark

Illustrations from Last & Stevens 1994; "Sharks and Rays of Australia"

# Spear-tooth and northern river sharks (*Glyphis* spp.)



Speartooth shark (*Glyphis* sp. A)

Photo courtesy of CSIRO, Cleveland

*Glyphis* sp. A the dark ventral line passes through the eye, whereas for *Glyphis* sp. C it is well below the eye



Northern river shark (*Glyphis* sp. C)

Photo courtesy of CSIRO, Cleveland