# Research Collaborations in the Turks and Caicos Islands

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### **Approximately 400 fishing license holders in TCI**









- Nesting females and eggs protected
- 20" minimum size limit
- No closed season

Richardson et al. (2006). Marine turtle fisheries in the UK Overseas Territories of the Caribbean: domestic legislation and the requirements of multilateral agreements. Journal of International Wildlife Law and Policy 9: 223-246.





Fishery takes mostly juveniles and sub-adults, but historical hunting on nesting beaches and current occasional take of breeding adults has contributed to decline in TCI nesting populations...



## ...with limited nesting now restricted to remote, uninhabited cays.

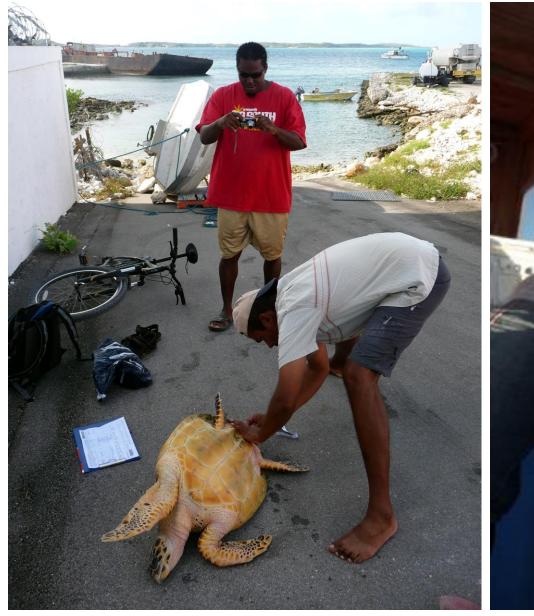
Richardson et al. (2009) Marine turtles in the Turks and Caicos Islands: remnant rookeries, regionally significant foraging stocks and a major turtle fishery. Chelonian Conservation and Biology 82: 192-207



#### Aim

To fully engage stakeholders in developing a durable turtle fishery management regime that facilitates traditions of use and includes appropriate measures for the protection of the larger size-classes and







Multi-disciplinary approach - biological assessment of fishery...



... sampling turtle stocks at fishing sites led by University of Exeter..

















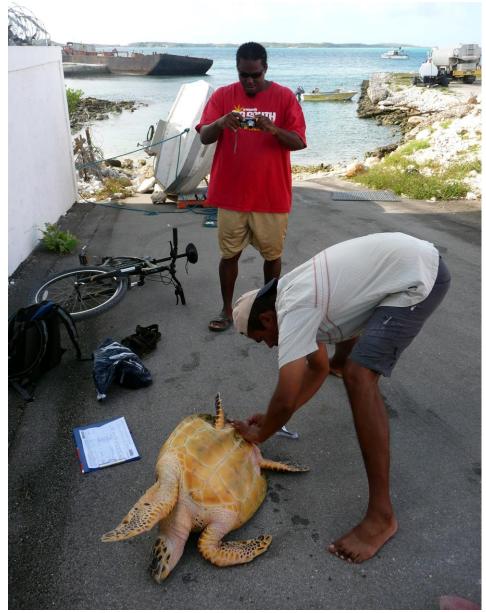






# **Summary of Results**

- Two distinct turtle fisheries;
- Many fishers involved, catching at different volumes;
- Important & varied fisher motivations for capture;
- Broad distribution of turtle meat within community;
- Recognised social value within South Caicos.





Fishery lands approx. 240 greens and 170 hawksbills per year at main harbours in South, Grand Turk and Provo (minimum estimate).

#### Presented to TCI Government March 2013, approved February 2014.



# Ministry of Environment and Home Affairs Department of Environment and Maritime Affairs Lower Bight Road, Providenciales Turks and Caicos Island Government



20 June 2014

Press Release - New Turtle and Conch Regulations take Effect 1 July 2014

The Department of Environment and Maritime Affairs (DEMA) would like to inform the public that as of 1 July 2014, new regulations for turtle and conch under the Fisheries Protection Ordinance will take effect. The regulations include the following restrictions on the taking of turtles:

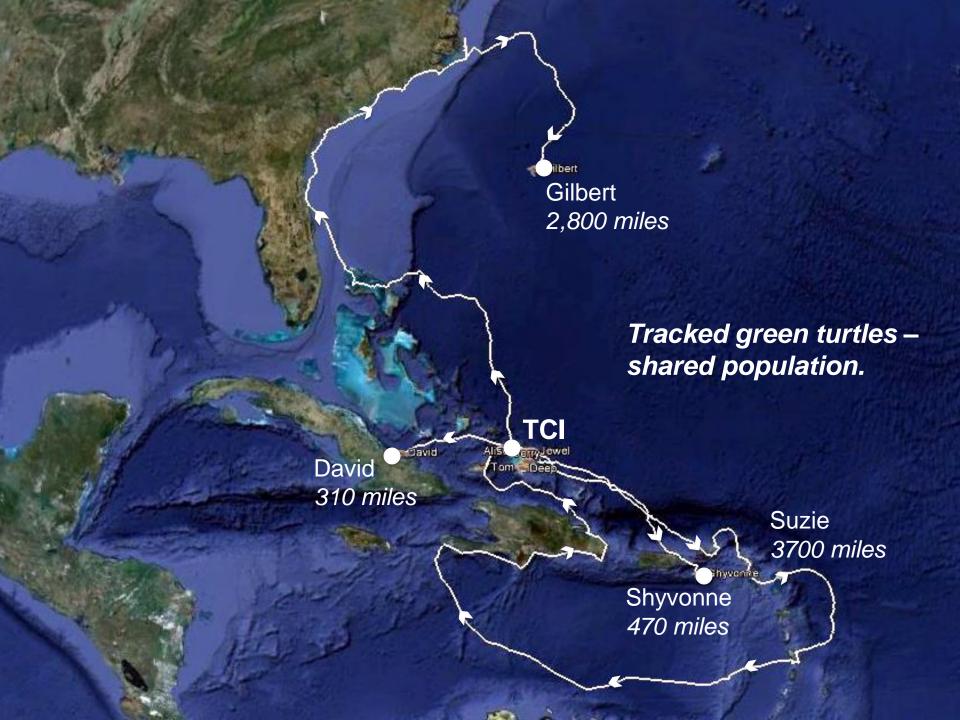
- A closed season for Hawksbill turtles from 1 August to 31 March (inclusive). During the closed season it will be unlawful to take, purchase or possess hawksbill turtles or hawksbill turtle products.
- A legal size limit of 18 inches (minimum) and 24 inches (maximum) for green and hawksbill turtles. It will be unlawful to possess green or hawksbill turtles larger than 24 inches or smaller than 18 inches.
- A permanent closure on the taking of Kemp's ridley, leatherback, loggerhead and olive ridley turtles. As of 1 July 2014 it will be unlawful to take or fish for any of these species.
- A ban on the export of all turtles and turtle products, except for scientific purposes. No turtle
  products shall be exported from TCI.
- A ban on the keeping of turtles in captivity. As of I July it will be unlawful to keep any turtles in captivity, unless such captivity is necessary to rescue, rehabilitate or preserve the life of the turtle.
- A prohibition against processing turtles at sea. All turtles will need to be landed live and in whole condition after being taken and only processed where it is to be sold, processed or used for personal consumption.

In addition to the above turtle regulations, as of July 1, 2014, it will become lawful to export conch shells, conch jewellery, conch pearls or craft products made of conch shells during the closed season for conch. This regulation will allow such products to be exported for non-commercial or personal use only.

# **Continuing Collaborations...**

- Marine Conservation Society
- Community Conservation Partnership Program

- Participants include
  - · Amanyara Resort (Providenciales)
  - Big Blue Unlimited (Providenciales)
  - SURFside Ocean Academy (Providenciales)
  - Bohio Dive Resort (Grand Turk)
  - Blue Water Divers (Grand Turk)
  - The School for Field Studies (South Caicos)



#### **Migration**



Turtle 10: Argos locations 3, 2, 1, & A unsmoothed







 Dive centers and visiting divers

Local residents:
 Beach surveys

 Reports of illegal behaviour

 Environmental Education



