

# Sea Turtle Conservation in the Yucatan peninsula: An update to ongoing initiatives

**Blanca Idalia González Garza**

Project Coordinator at Pronatura Península de Yucatán

**Vicente Guzmán Hernández**

Area for Flora and Fauna Protection Laguna de Terminos – CONANP

**Eduardo Cuevas Flores**

Coordinator at Pronatura Península de Yucatán

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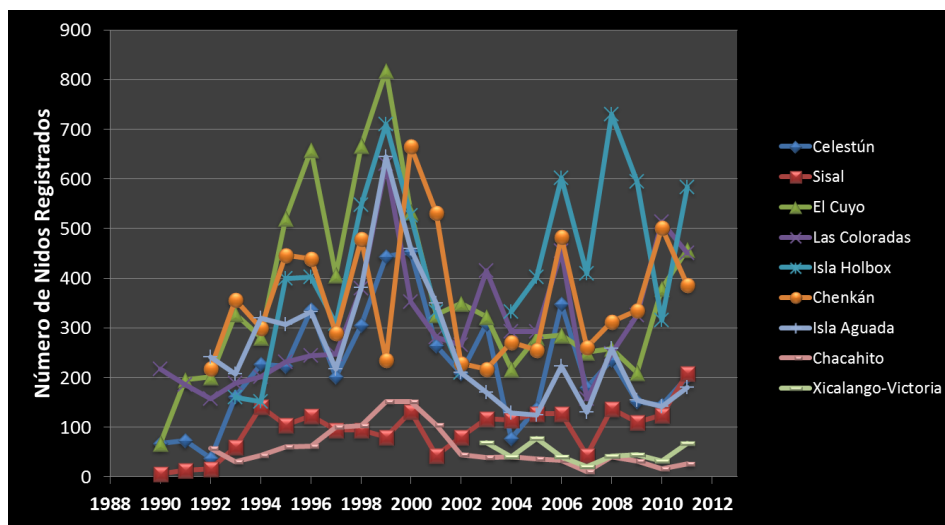
## Nesting beaches



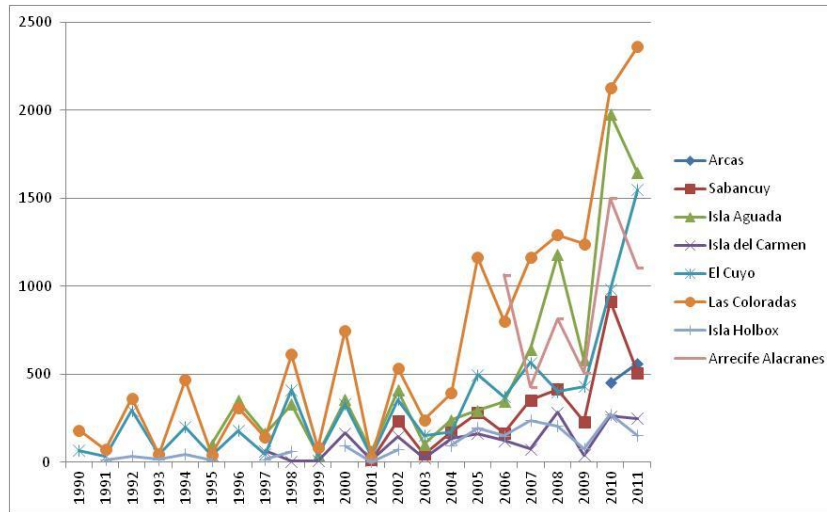
One of the main initiatives, and done for several decades in the region is the nesting beach patrolling at night



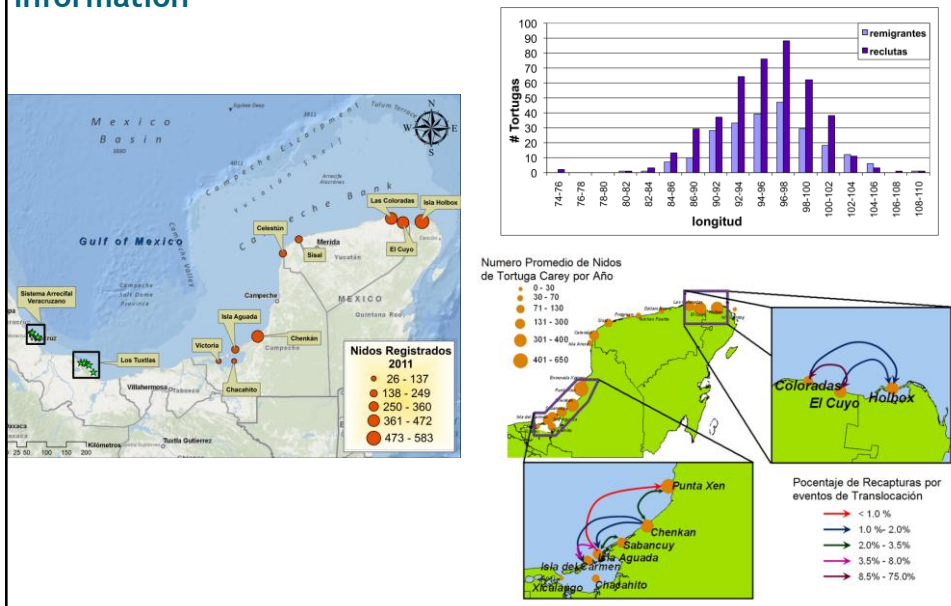
Nesting trends for Hawksbills at some important nesting beaches in the peninsula



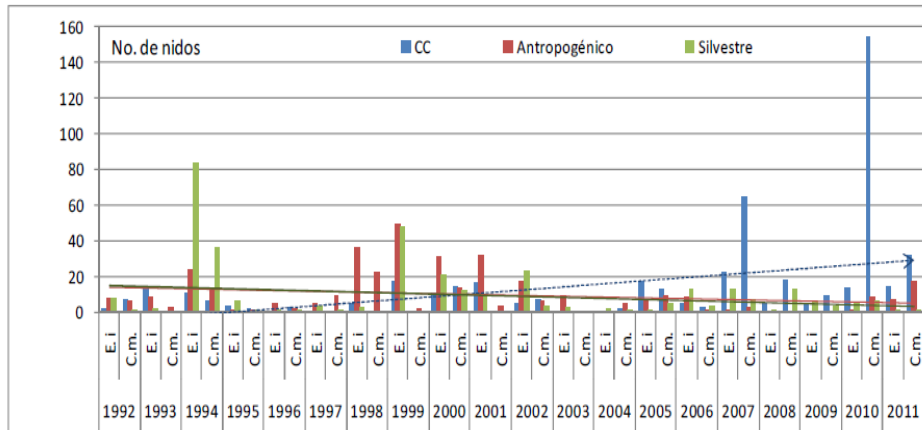
## Nesting trends for Green Turtle at some important nesting beaches in the peninsula



## Field records from nesting beaches translated to information

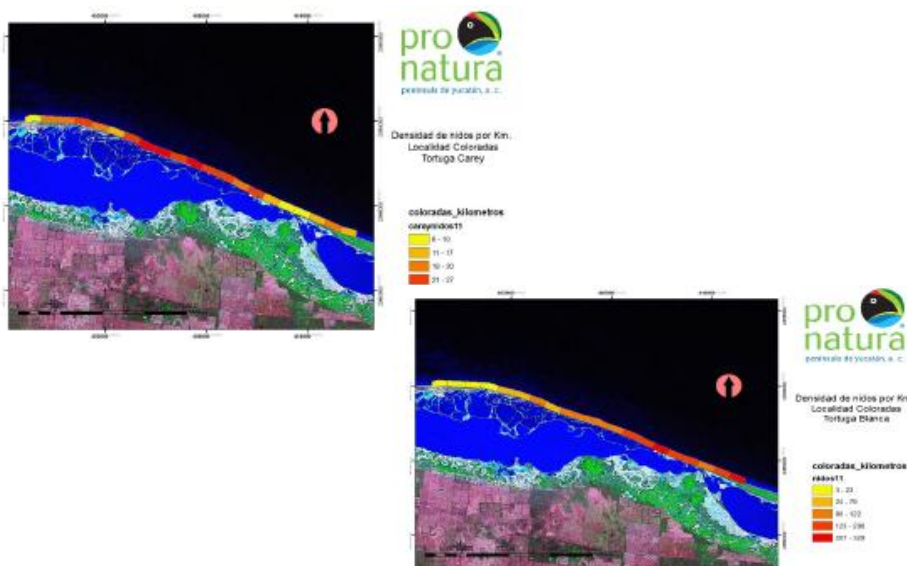


## Effects of Climate Change on the lost nests

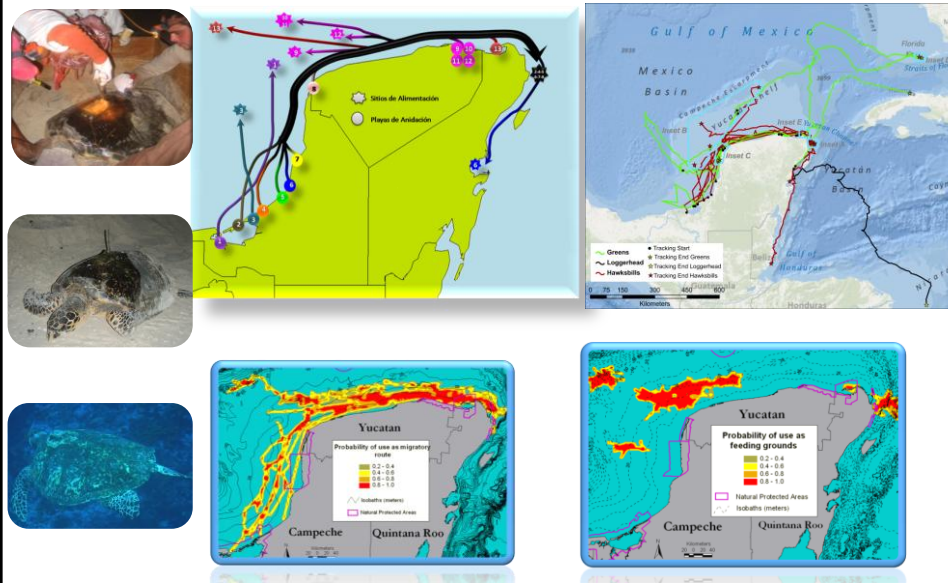


CC= lost nests because of the hurricanes, beach erosion and flooding

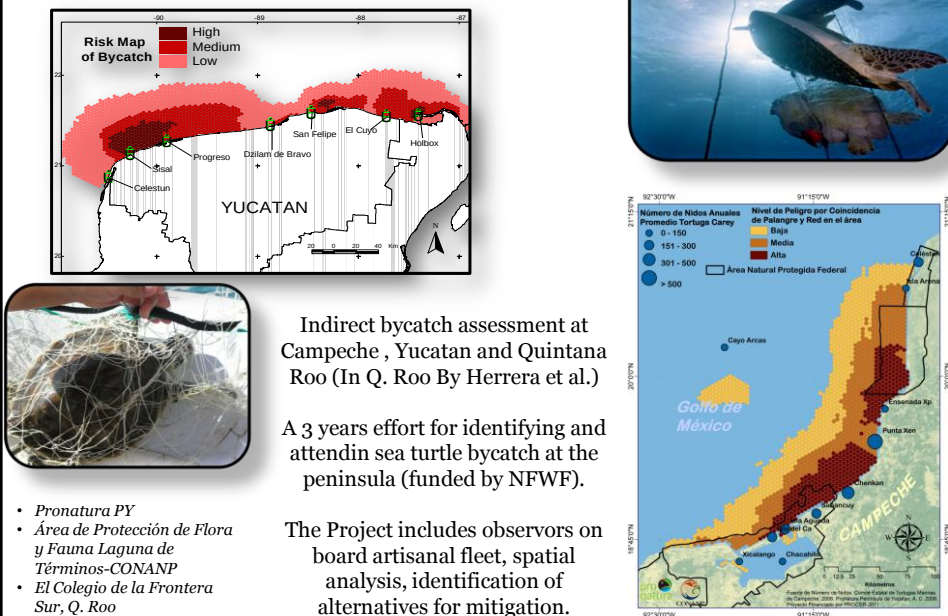
## Nest Density and Distribution Cartography



## Satellite tracking of nesting females in the region: hawksbills, greens and loggerheads

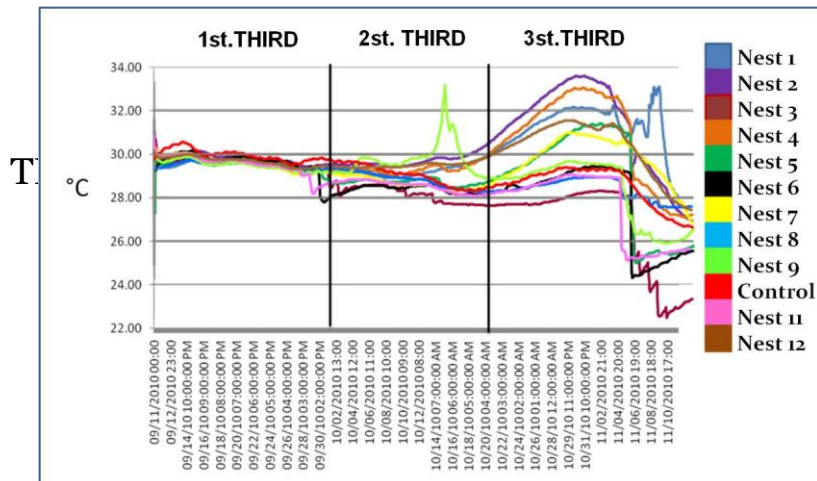


## Sea Turtle Bycatch Hotspots





## Nest Temperature Assessment



## Hawksbill's Genetics



| Sample Type     |      | Small<br>Hatching<br>Egg | Small<br>Hatching<br>Carapace | Small<br>Hatching<br>Carapace | Small<br>Hatching<br>Carapace | Small<br>Hatching<br>Egg | Small<br>Hatching<br>Carapace | Small<br>Hatching<br>Carapace |
|-----------------|------|--------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|-------------------------------|-------------------------------|
| Weighting       | 10.5 | 14.5                     | 3.8                           | 5.5                           | 5.6                           | 14.5                     | 5.7                           | 6.8                           |
| Electrophoresis |      |                          |                               |                               |                               |                          |                               |                               |
| [CONC.]ng/ul    |      | 11.7                     | 5.3                           | 10.8                          | 10.8                          | 11.5                     | 6.6                           | 11.1                          |
| ABS 260/280     |      | 1.75                     | 1.22                          | 1.79                          | 1.40                          | 1.75                     | 1.40                          | 1.85                          |

Population Genetics of nesting beaches

Population Genetics on juveniles populations

Multiple Paternity



**Blanca Idalia González Garza**

Responsable de Proyectos

[bgonzalez@pronatura-ppy.org.mx](mailto:bgonzalez@pronatura-ppy.org.mx)

**Vicente Guzmán Hernández**

Coordinador de Programa de Tortugas  
Marinas – APFF Laguna de Terminos

[vguzman@conanp.gob.mx](mailto:vguzman@conanp.gob.mx)

**Eduardo Cuevas Flores**

Coordinador Programa Tortugas Marinas  
PPY

[ecuevas@pronatura-ppy.org.mx](mailto:ecuevas@pronatura-ppy.org.mx)

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