

PRESENTS

GREAT WHITE SHARK

Carcharodon carcharias

The White Shark, a legendary and efficient predator, can save energy during long migrations and is known to ambush its prey, some of which are fast and agile like sea lions. In Mexico, white shark aggregation and nursery areas are ideal for research and support local economies through cage diving.

TAXONOMY

Kingdom: Animalia
Phylum: Chordata
Subphylum: Vertebrata
Class: Chondrichthyes
Subclass: Elasmobranchii
Order: Lamniformes
Family: Lamnidae
Genus: *Carcharodon*
Species: *C. carcharias*



Conservation status:
• Nom 059 - A (threatened)
• IUCN - VU (vulnerable)



Distribution: In almost all regions of the ocean, between 60° North and 60° South.



Diet: Fish, sea lions and whale carcasses.



Sexual maturity: 26 years for males and 32 years for females.

HUNTING SKILLS

Sharks live in a dense environment, which means even the smallest vibrations and movements can be transmitted. The White Shark has 6 senses that help it detect its prey:



CONSERVATION TIMELINE

- 1998:** El Vizcaino Biosphere Reserve is established.
- 2000:** Species is added to the IUCN Red List as Vulnerable.
- 2002:** The Great White Shark is included in the NOM-059-ECOL 2001 under the Threatened category.
- 2004:** Species is added to the Appendix II of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).
- 2005:** Guadalupe Island is declared a Biosphere Reserve on April 25.
- 2013:** SEMARNAT publishes Isla Guadalupe Biosphere Reserve's management program.
- 2014:** A permanent ban on fishing for the great White Shark in Mexico is established.
- 2018:** The Conservation Action Plan for the Great White Shark is published.

THREATS

Bycatch is the main cause of death of white sharks. However, illegal fishing continues because:

- THEY ARE DISPLAYED AS TROPHIES
- ILLEGAL TRADE OF ITS PARTS

50,000 dollars
The price of a complete and well-preserved great white shark jaw in the black market.

1,000 dollars
The price a set of dorsal and two pectoral fins can fetch.

ANATOMY
Known for its body's hydrodynamic shape resembling a torpedo and an extendable jaw.

3 - 6.5 meters
The maximum estimated length

40 km/hr
The maximum speed estimated

2,500 kilograms
The maximum estimated weight

DISTRIBUTION
Prefers temperate waters, both coastal and oceanic, and is considered an occasional visitor.

AGGREGATION AND NURSERY AREAS

- West coast of Alaska, Canada and United States.
- Hawaii, U.S.A.
- West coast of the Baja California Peninsula, Guadalupe Island and Gulf of California, Mexico.
- Sebastian Vizcaino Bay.
- East coast of Canada and United States.
- West coast of South America.
- East coast of South America.
- Northern coast of Spain and France, and Northeast coast of Africa.
- Mediterranean Sea.
- Eastern and Southern coast of South Africa.
- China, Japan and Korea.
- Southern coastline of Australia.
- New Zealand.



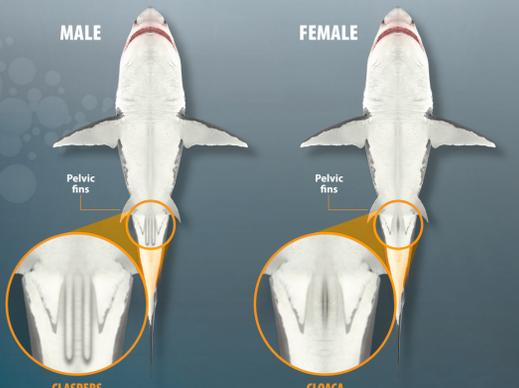
200 sharks
Size of the population in Guadalupe Island recorded in 2015.

390 individuals
recorded as bycatch on the West coast of Baja California between 1999 and 2013.

34 individuals
sighted in a single day is the record for Guadalupe Island.

REPRODUCTION

Their fertilization is internal, that is, the male and the female copulate. The male inserts one of his gonopterygiums into the female's cloaca and introduces the sperm.



Males have two claspers, which are reproductive organs and are located near the pelvic fins.

Females have pelvic fins and give birth through the cloaca.

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