1.8

tones

of humans.

88 rows

be replaced if lost.

PRESENTS

TAXONOMY 🗐

Kingdom: Animalia

Phylum: Chordata

Subphylum: Vertebrata

Class: Chondrichthyes

Order: Lamniformes

Genus: Carcharodon

Family: Lamnidae

Subclass: Elasmobranchii

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.

Water flows through its gills, which absorb the oxygen so that it is transported to the heart in the blood

3 - 6.5 **ANATOMY** Known for its body's hydrodynamic shape

Oxygen absorption

occurs in 5 pairs of long

and vascularized gills.

resembling a torpedo and an

extendable jaw.

meters The maximum estimated length

The dorsal fin acts as a stabilizer. As it

swims, fibers tighten the fin to avoid

sudden and unexpected turns.

40 km/hr The maximum speed estimated kilograms
The maximum

It has solid structure at the base

of its tail reinforced with

cartilage, ligaments and tendons

known as the keel.

Some muscles and vital organs are

protected by heat regulators in its blood, allowing it to see and swim

more efficiently, while helping in

digestion.

It can maintain its body temperature up to

surrounding water.

estimated weight

DISTRIBUTION

BAJA CALIFORNIA

PENINSULA

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

> and United States. 2. Hawaii, U.S.A.

1. West coast of Alaska, Canada

AGGREGATION AND

NURSERY AREAS

3. West coast of the Baja California Peninsula, **Guadalupe Island and Gulf** of California, Mexico.

4. Sebastian Vizcaino Bay.

5. East coast of Canada and United

6. West coast of South America.

7. East coast of South America.

8. Northern coast of Spain and France, and Northeast coast of

9. Mediterranean Sea.

10. Eastern and Southern coasts of **South Africa.**

11. China, Japan and Korea.

12. Southern coastline of Australia.

13. New Zealand.

female's cloaca and introduces the sperm.

sharks Size of the population **Guadalupe Island**

estimated in 2015.

REPRODUCTION

individuals

the West coast of Baja

California between 1999 and 2013.

Their fertilization is internal, that is, the male and the female copulate. The male inserts one of his gonopterygiums into the

individuals is the record for Guadalupe Island.



between 60° North and 60°



vhale carcasses.



HUNTING SKILLS

Sharks live in a dense environment, which means even the White Shark has 6 senses that help it detect its prey:

Conservation status: • Nom 059 – **A** (threatened) The force of its bite; 20 · IUCN - VU times greater than that

(vulnerable) **Species:** C. carcharias



Diet: Fish, sea lions and



Sexual maturity: 26 years for males and 32 years for

smallest vibrations and movements can be transmitted. The

LATERAL LINE Can detect vibrations caused

TASTE They can distinguish between pleasant and unpleasant tastes.

ELECTRORECEPTION It can detect electric signals from prey.

1 meter

with 46 teeth each, which can Length of front teeth with 78

SIGHT Has acute vision, but only sees in green tones.

10-25 meters

Its big heart is characteristic of a highly mobile species.

Its intestine resembles a coil with

54 rings +500 meters

1.5 Kilometers

hundred meters away

SMELL Can detect blood from several

It can hear noises inaudible to humans from several kilometers away.

The pectoral fins allow it to control

its ascent, descent and turns.

Males have two claspers, which are Females have pelvic fins and give reproductive organs and are located birth through the cloaca. near the pelvic fins.

CONSERVATION TIMELINE



by other species nearby.



IUCN Red List as Vulnerable.



2002: The Great White Shark is included in the NOM-059-ECOL-



5-7 cm

serrations each.







2018: The Conservation Action Plan for the Great White Shark is published.



Bycatch is the main cause of death of

THREATS

THEY ARE DISPLAYED ILLEGAL TRADE AS TROPHIES OF ITS PARTS

The caudal fin is half moon shaped, rigid and flat, making it a highly efficient locomotion structure.



jaw in the black market.

The price of a complete and well-preserved great white shark



The price a set of dorsal and

two pectoral fins can fetch.

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Carcharodon carcharias) en aguas de jurisdicción