



Conservation Starts With You



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WWF-PHILIPPINES
NATIONAL YOUTH AMBASSADOR



COMMUNITY CONSERVATION:

Saving the Butanding



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DONSOL INTEGRATED CONSERVATION PROGRAM



05:00 PM





Saving the Butanding





WWF



Butanding Festival



Activities during the 2019 Butanding Festival





Donsol Youth Environmental Education Project (DYEEP)

Is a mobile teaching exhibit use in conducting environmental lectures for elementary schools in Donsol, Sorsogon.



ANO BA ANG BUTANDING?

Rhincodon typus





Whale?
or
Shark?

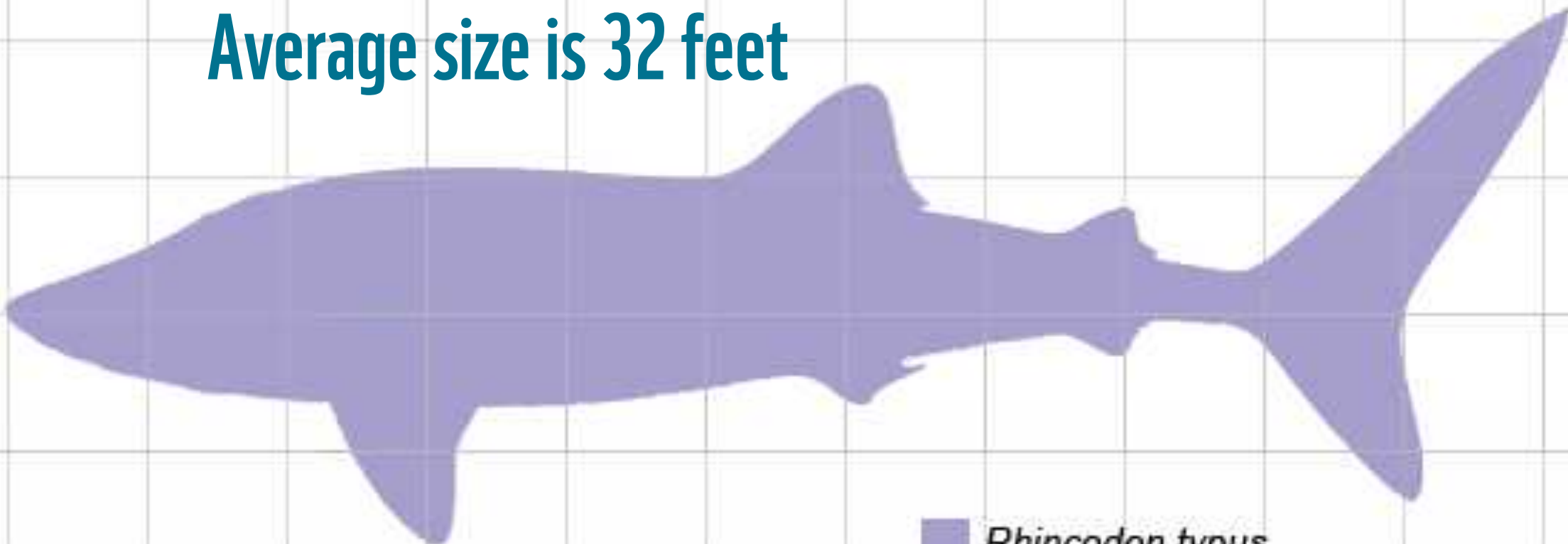



Shark!



19-20,000 kgs.

Average size is 32 feet



 *Rhincodon typus*

✓ Adult whale sharks can grow to over 66 feet.

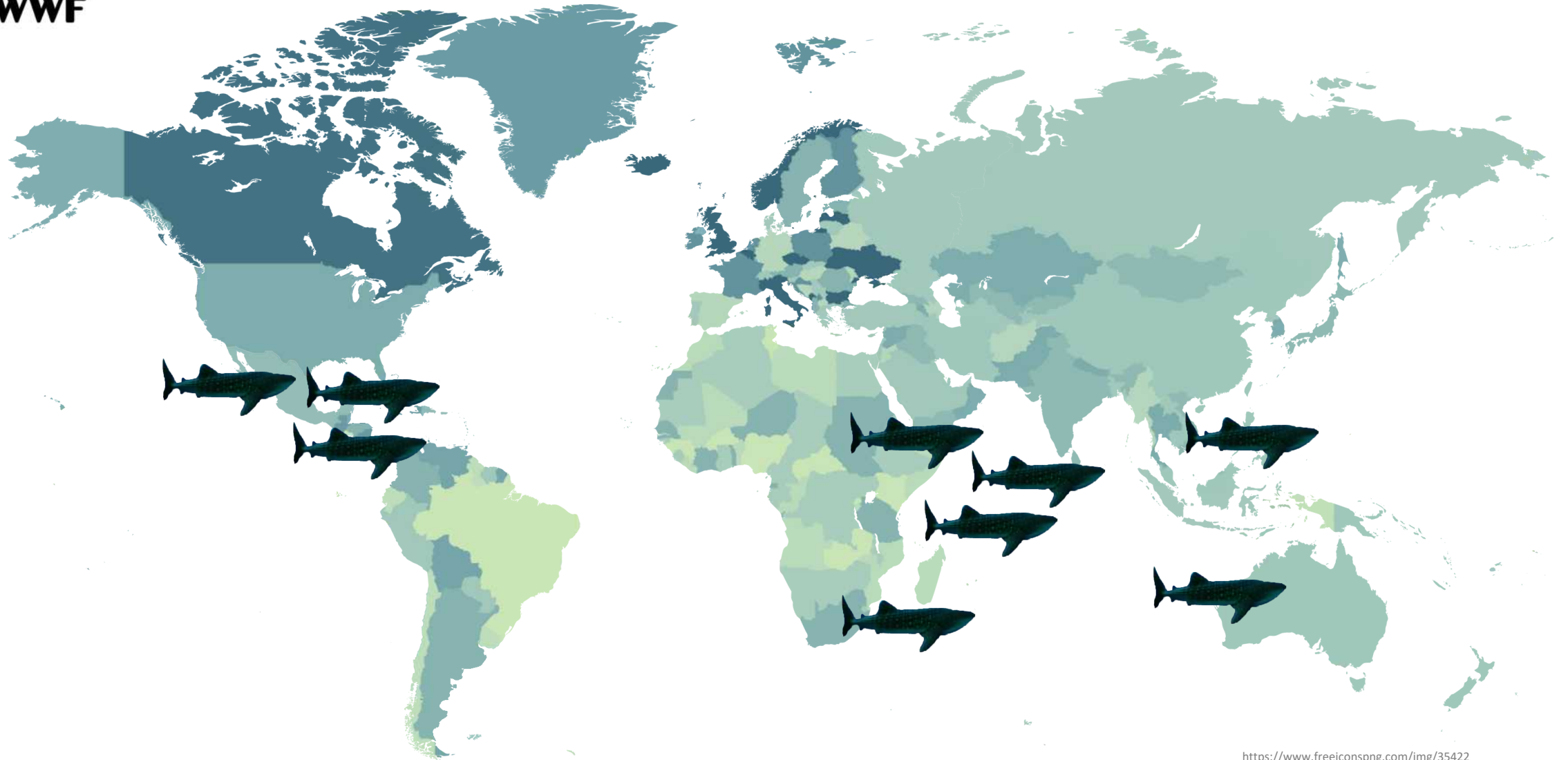
https://upload.wikimedia.org/wikipedia/commons/3/3c/Whaleshark_scale.jpg



seafood please
kiddie meal ü



Whale sharks movement and distribution





152

whale shark sightings in Donsol in 2019

(3rd highest since 2007)

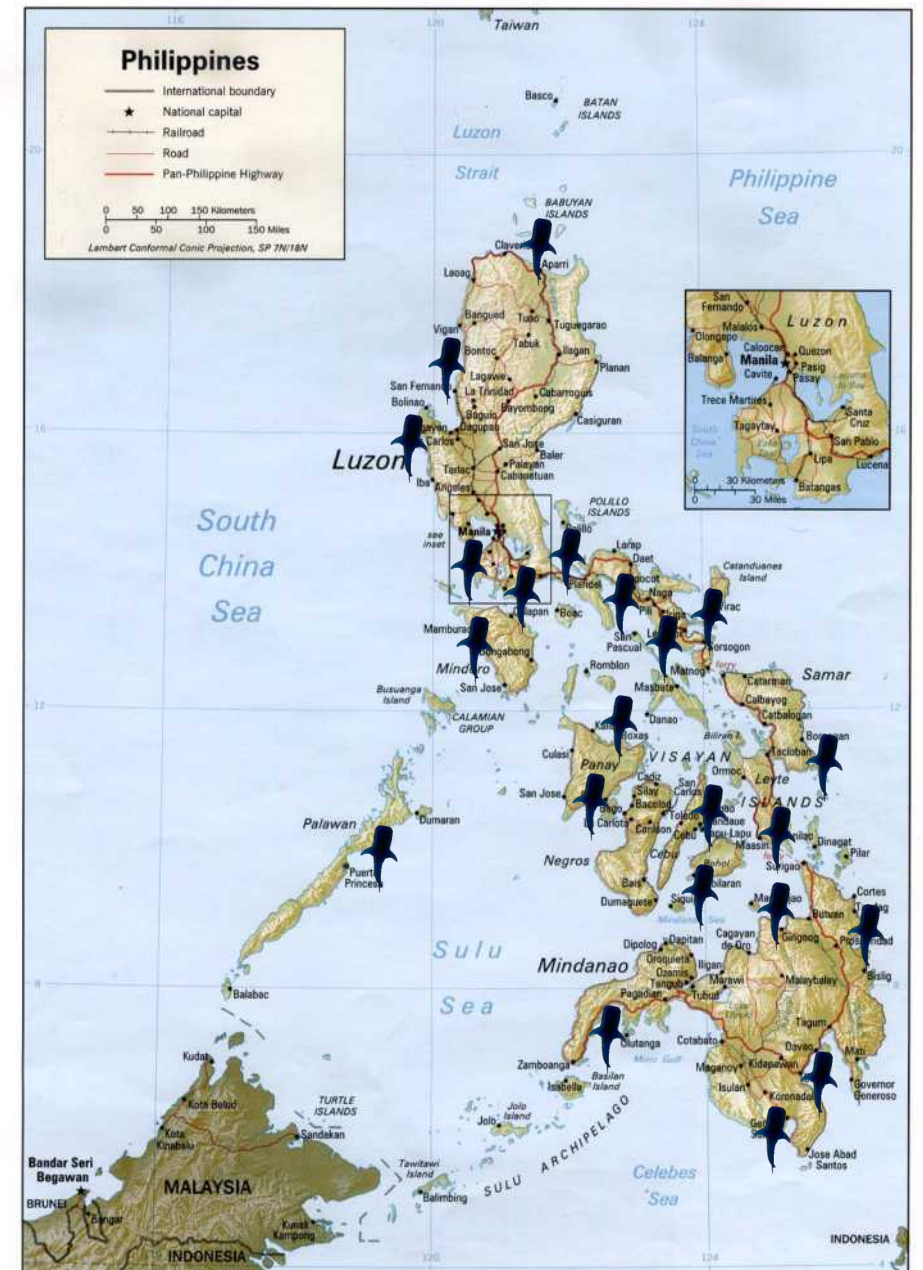
92

new individuals

Total Philippine Whale Shark- 1,779 individuals

Philippines has Second Largest Known Population of Whale Sharks

<https://www.forbes.com/sites/melissacristinamarquez/2019/03/08/philippines-has-second-largest-known-population-of-whale-sharks/#3b34152da2c9>



whale shark sightings



152

whale shark sightings in Donsol
in 2019

92

new individuals



Whale shark movement in Donsol based on satellite tagging.



Do! Don't!

Whale Shark Interaction Guidelines

No flash photography

No jetski, scuba gear , and underwater propulsion

Five minutes interaction time limit

Maximum of six guests per boat

Keep distance of 3 meters from whale shark's body and 4 meters its tail

Don't block the whale shark path



**DON'T!
TOUCH! ME!**

**I can also feed
myself. Pwe.**



Do

Take Many Pictures!





Not all whale sharks are made equal!

Each whale shark has a different
spot pattern





You can help study whale sharks!

Report your sightings

Adopt a shark

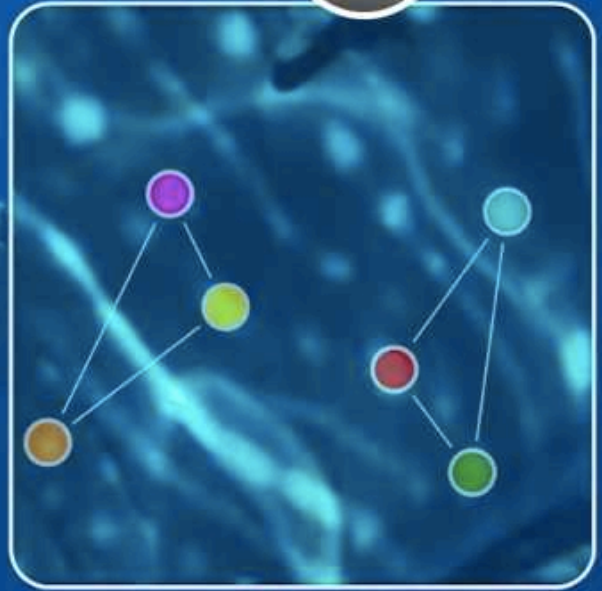
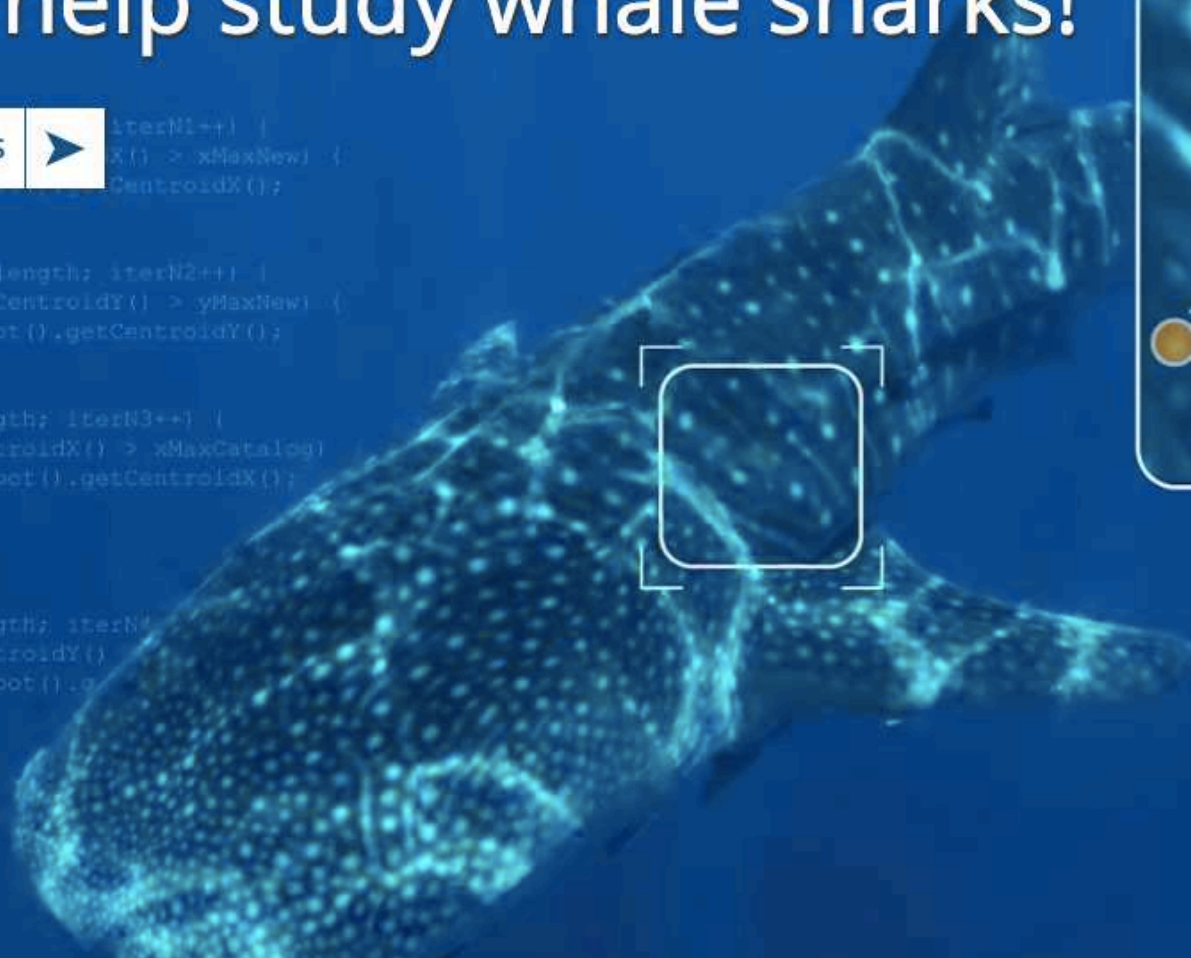
```
for (int ialter = 0; ialter < newspotsTemp.length; ialter++) {
    newspots[ialter] = newspotsTemp[ialter];
}

double xMaxCatalog = 0;
double yMaxCatalog = 0;
double xMaxNew = 0;
double yMaxNew = 0;
for (int iterN1 = 0; iterN1 < newspots.length; iterN1++) {
    if (newspots[iterN1].getTheSpot().getCentroidX() > xMaxNew) {
        xMaxNew = newspots[iterN1].getTheSpot().getCentroidX();
    }
}

for (int iterN2 = 0; iterN2 < newspots.length; iterN2++) {
    if (newspots[iterN2].getTheSpot().getCentroidY() > yMaxNew) {
        yMaxNew = newspots[iterN2].getTheSpot().getCentroidY();
    }
}

for (int iterN3 = 0; iterN3 < spots.length; iterN3++) {
    if (spots[iterN3].getTheSpot().getCentroidX() > xMaxCatalog)
        xMaxCatalog = spots[iterN3].getTheSpot().getCentroidX();
}

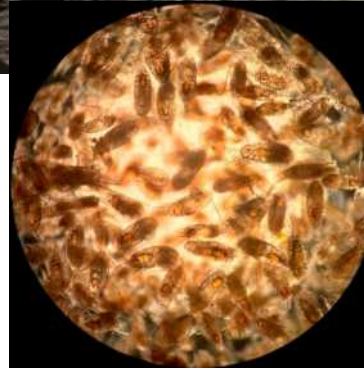
//correction
for (int iterN4 = 0; iterN4 < spots.length; iterN4++) {
    if (spots[iterN4].getTheSpot().getCentroidY() > yMaxCatalog)
        yMaxCatalog = spots[iterN4].getTheSpot().getCentroidY();
}
}
```



assigned to = MD-132
nickname = Wilma
location = Nosy Be
location ID = Madag.



Donsol: Home of the whale sharks

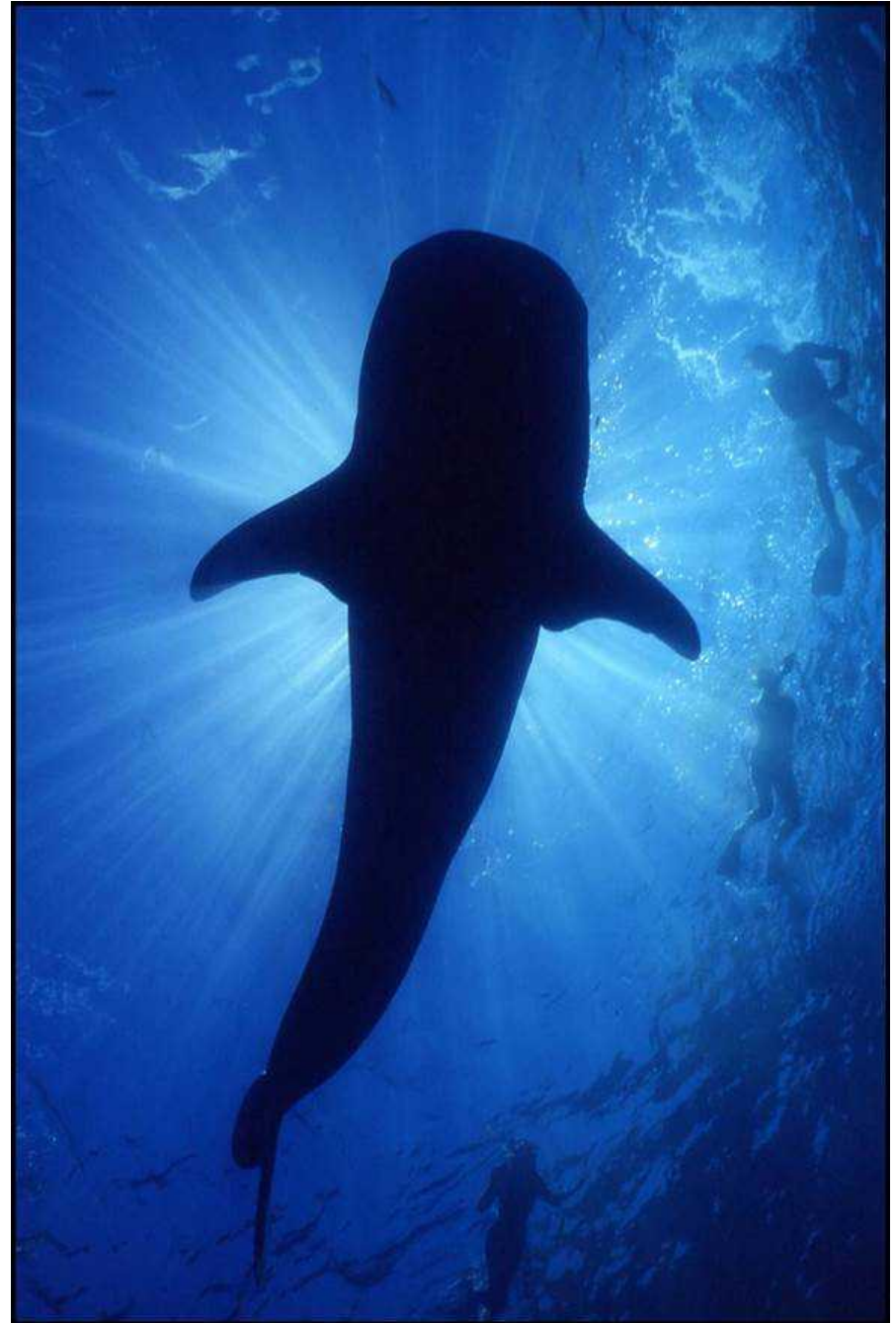




Donsol Whale Shark

Characteristics

- ✓ Most are males
- ✓ Juveniles (<8m length)
- ✓ Spend an average 50 days in Donsol each season
- ✓ 3-90 new individuals can be seen yearly (recruitment)





Donsol Whale Shark Conservation Program

was born in 1998 to help
protect the butanding from what
was then the municipality's threat
on whale shark hunting





Butanding Interaction Officers (BIOs)



© Nicolas Cegalerba & Joanna Szewberg / WWF-Philippines

Boat Operators



© Nicolas Cegalerba & Joanna Szewberg / WWF-Philippines



Whale sharks are important indicators for healthy and productive fisheries

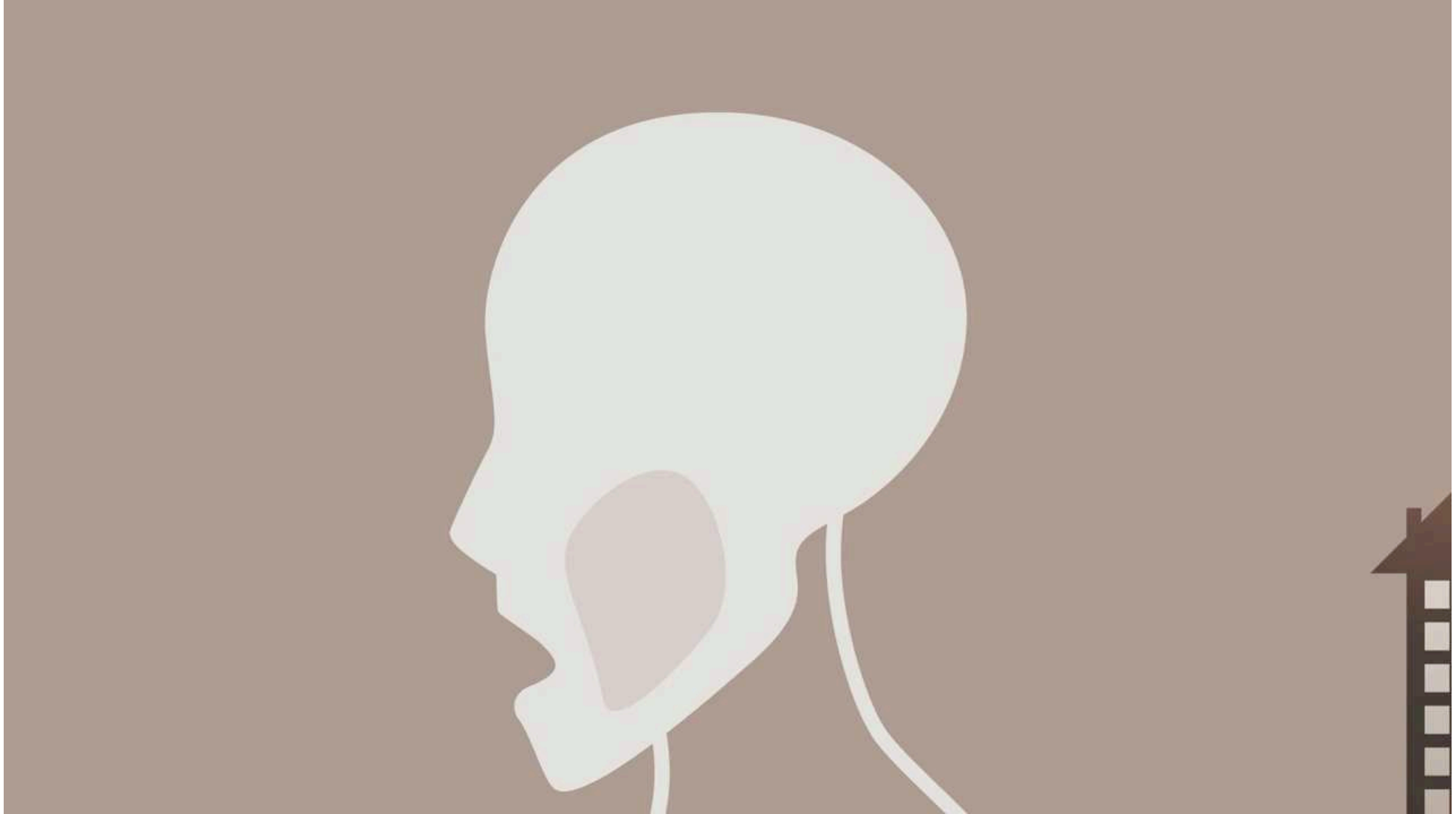
© WWF-Philippines / Jürgen Freund



1,111 registered fishing households



PLASTICS!





In 2018, a beaked whale was found dead with 88 lbs. of plastic in its stomach



The Philippines ranks as the 3rd largest contributor to ocean plastic in the world with an emission of 512,000 tons



Thank you . . .

