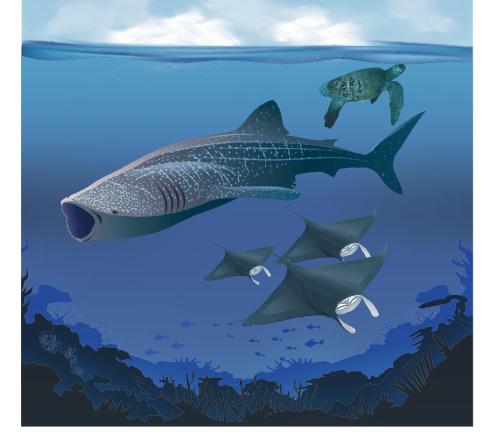
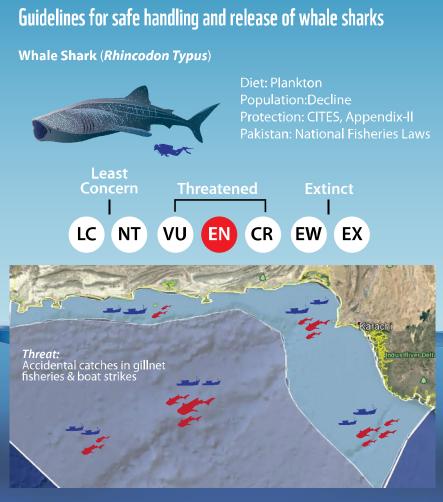


Guide for Handling & Safe Release in Gillnet Fisheries

Whale Sharks | Manta & Devil Rays | Sea Turtles

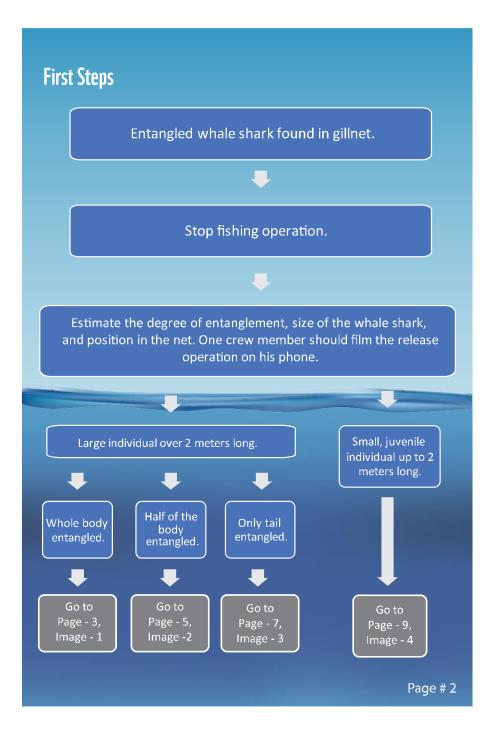






How to use this guide?

Use the following flowcharts to learn how you can safely release entangled whale sharks from gillnets. Depending on the degree of entanglement and animal's size, different steps need to be followed. Remember that safety of the crew is most important – all steps in this guide will ensure safety of the crew as a priority.



Large whale shark (>2m) - whole body entangled

A fisherman shoud jump into the water to access the middle of the whale shark body, behind the head and near pectoral fins. It might be safe to hold on to the fishing gear between the winch / boat and the entangled whale shark.

Remember to avoid direct physical contact with the whale shark - stay at least 1 meter away from the whale shark.

Cut the fishing gear at the surface where the whale shark is entangled - start cutting near the pectoral fins and move towards the mouth. This would help to reduce the pressure on whale shark and minimize level of entanglement.

Keep pulling the net up and down to help the whale shark move forward and give it a chance to escape. This should help to release the whale shark especially if by now it's only partially entangled.

Whale shark is freed from the net and swims away safely.

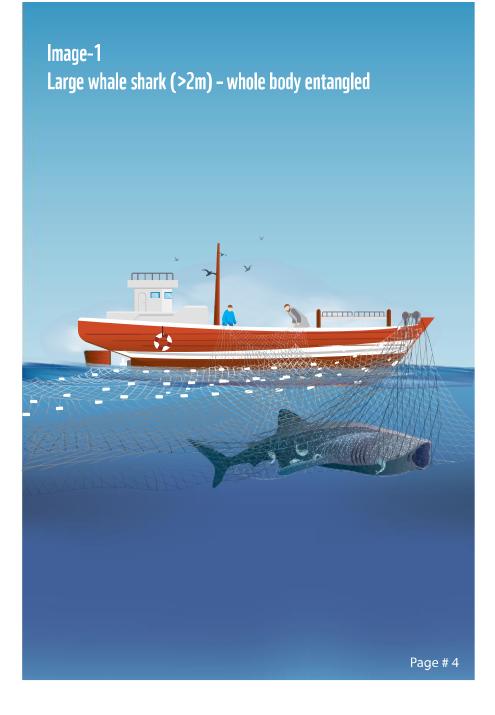


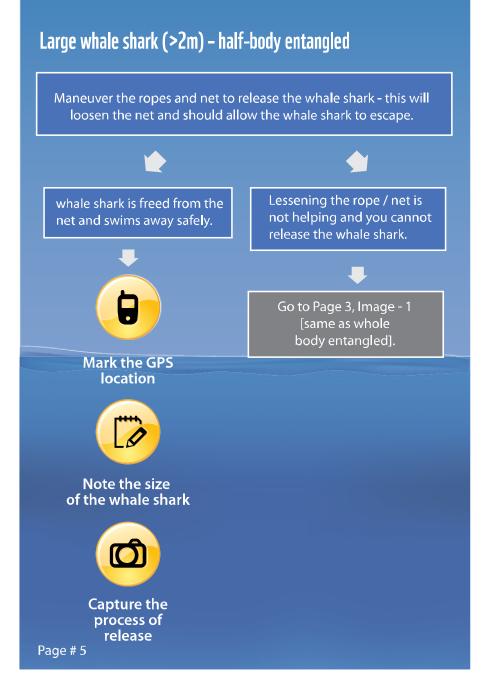
Mark the GPS location Note the size of the whale shark

Capture the

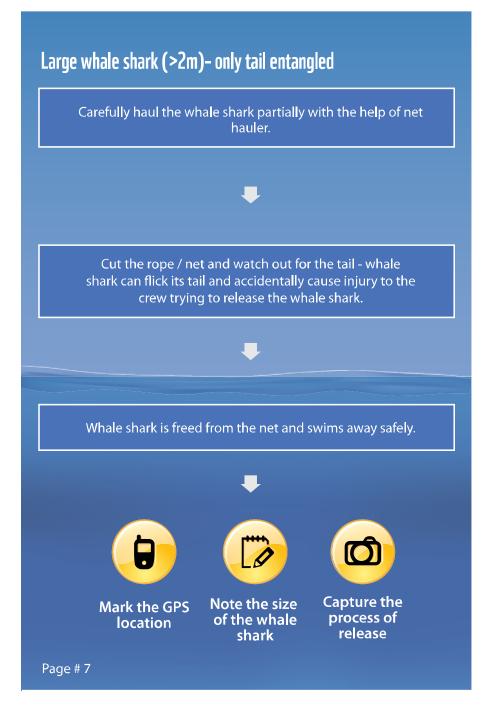
process of

release





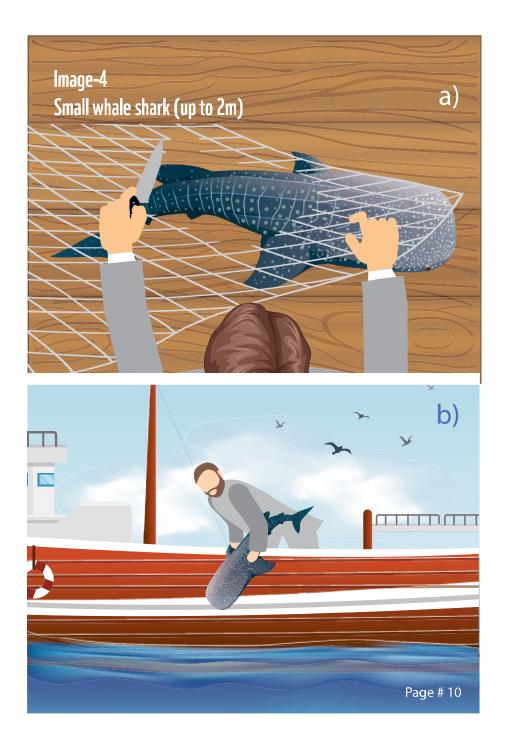




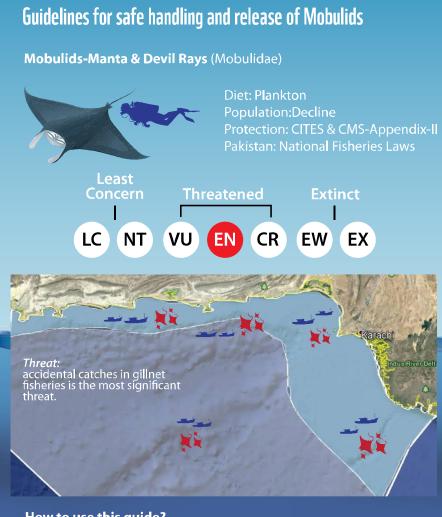


Small whale shark (up to 2m)



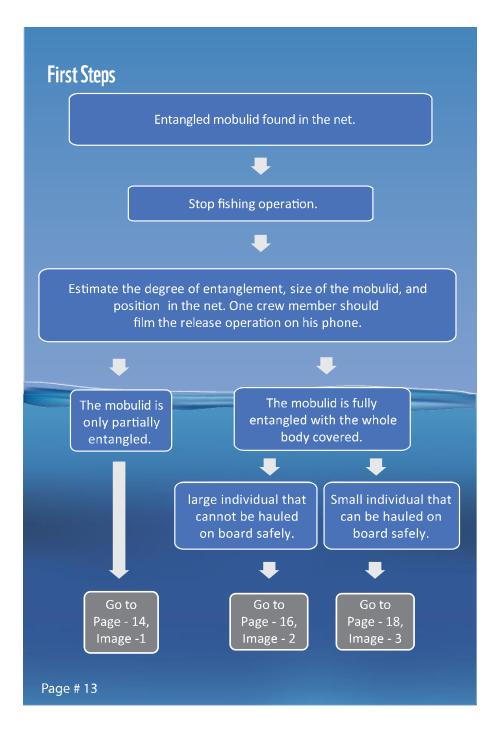


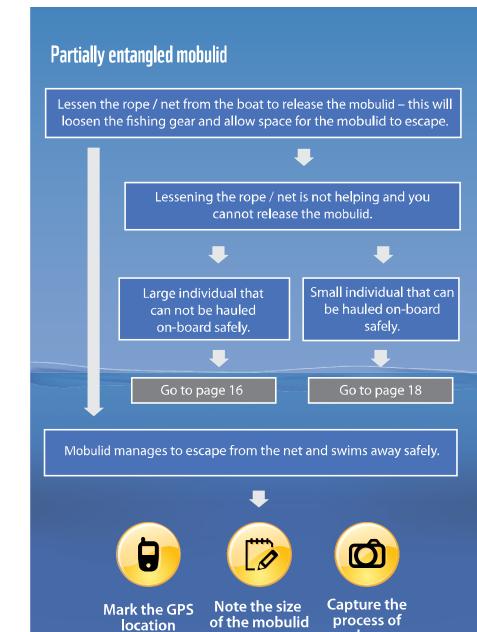




How to use this guide?

Use the following flowcharts to learn how you can safely release entangled Mobulids from gillnets. Depending on the degree of entanglement and animal's size, different steps need to be followed. Remember that safety of the crew is most important – all steps in this guide will ensure safety of the crew as a priority.





Page #14

release



Large, fully entangled mobulid

A fisherman shoud jump into the water to help free the mobulid – remember not to come into direct, physical contact with the mobulid. It might be safe to hold onto the area between the winch / boat and the mobulid.

Cut the fishing gear at the surface where the mobulid is entangled start cutting near the pectoral fins and move towards the mouth. This would help to reduce the pressure on mobulid and minimize the level of the entanglement. Remember to stay at least 1 meter away from the mobulid at all times.

Mobulid is freed by cutting the net/rope and manages to swims away safely.

Note the size

of the mobulid

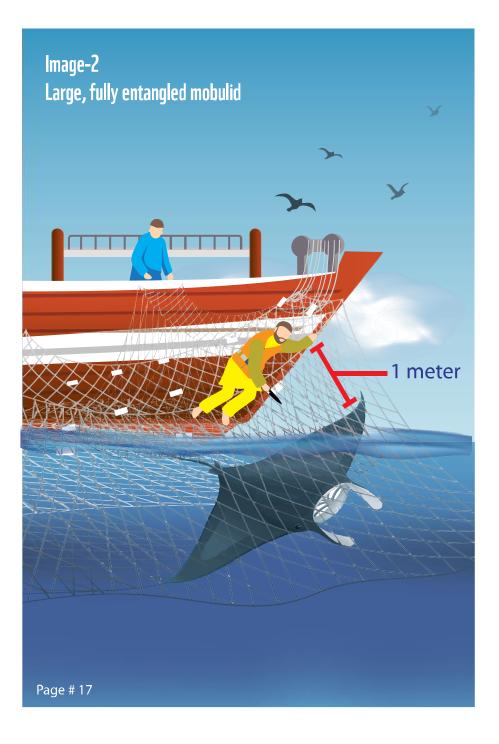


Mark the GPS location



Capture the process of release

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Manually haul the mobulid on-board carefully. Make sure the mobulid is not heaved through the net hauler. 2-3 fishermen should handle the mobulid grabbing it by its wings. Avoid pulling the mobulid by its tail and cephalic lobes.

Disentangle the mobulid by either cutting or manoeuvering the net / rope.

Place the disentangled mobulid on a large flat object (e.g. net, blanket, or tarpaulin). Remember not to grab the mobulid by its cephalic lobes, gills or tail – this can injure the mobulid and decrease its chances of survival after the release.

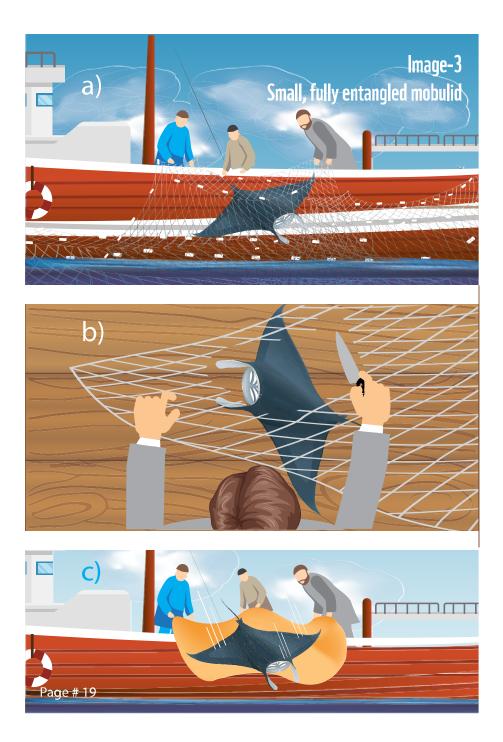
3 fishermen should grab the corners of the tarpaulin and carry the mobulid to the upper edge of the boat's side. Carefully lower the tarpaulin to release the mobulid.

Mobulidis released and swims away safely.

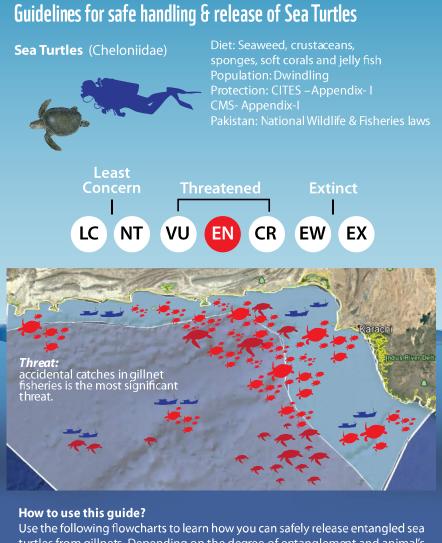


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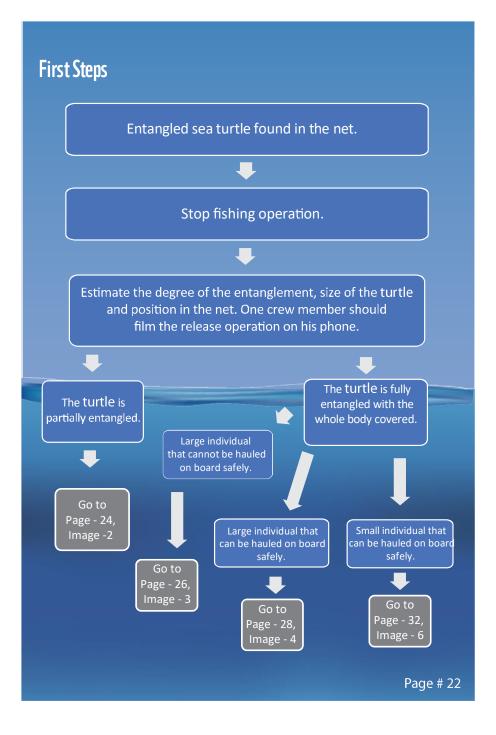
Capture the process of release



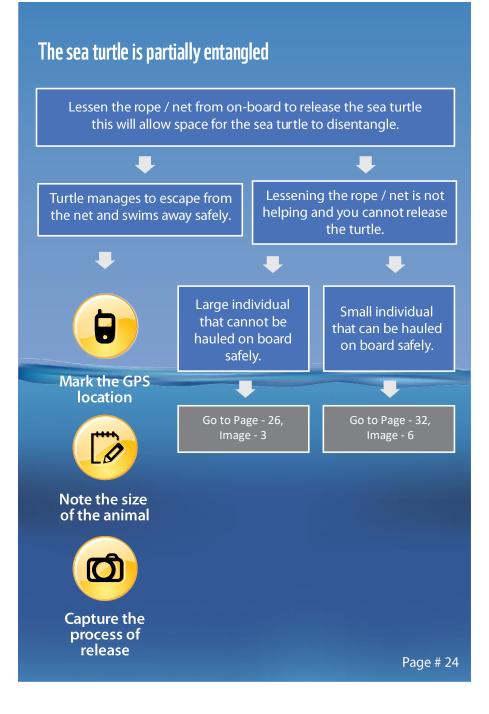


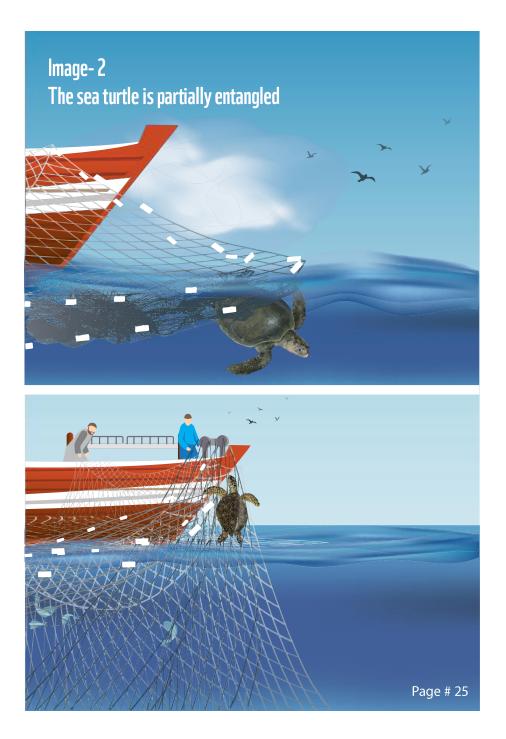


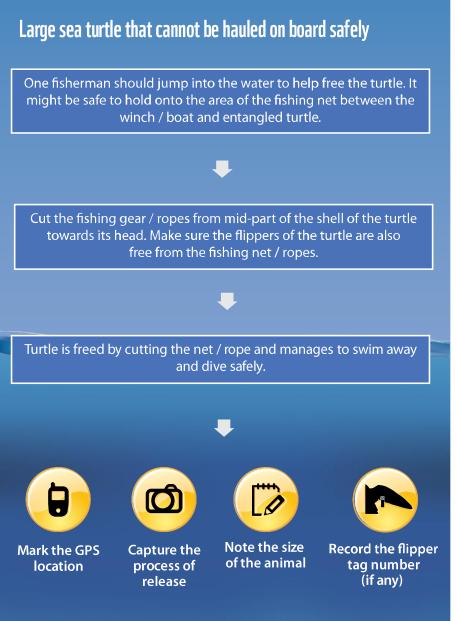
Use the following flowcharts to learn how you can safely release entangled sea turtles from gillnets. Depending on the degree of entanglement and animal's size, different steps need to be followed. Remember the safety of the crew is most important- all steps in this guide will ensure safety of the crew as a pricrity.



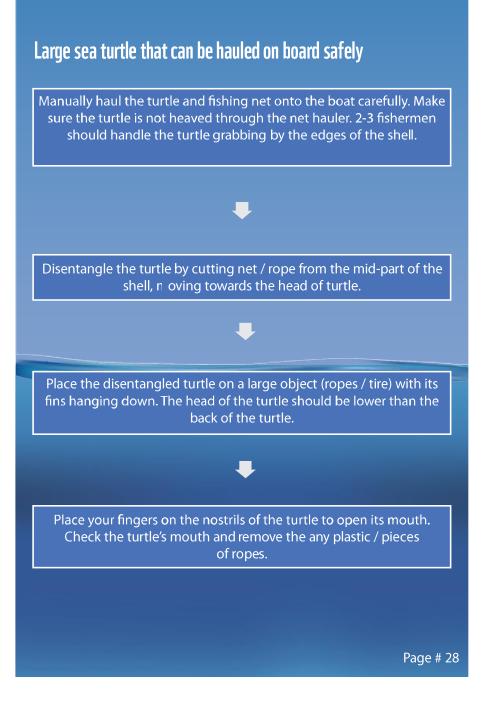


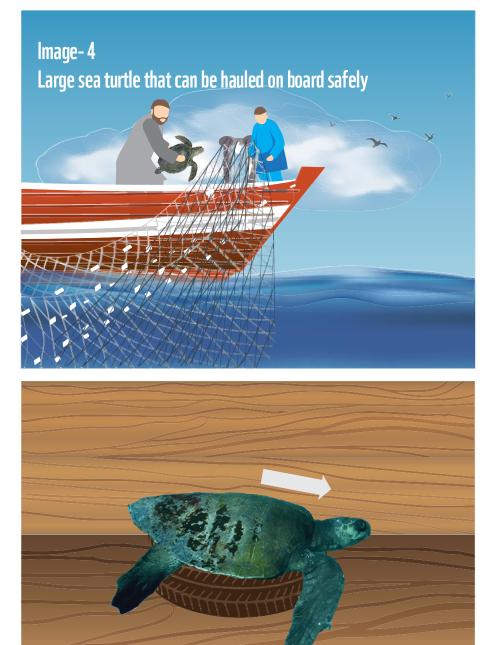


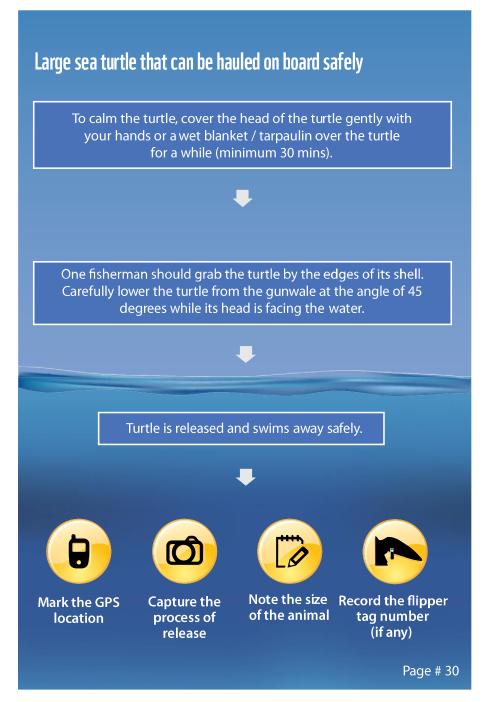


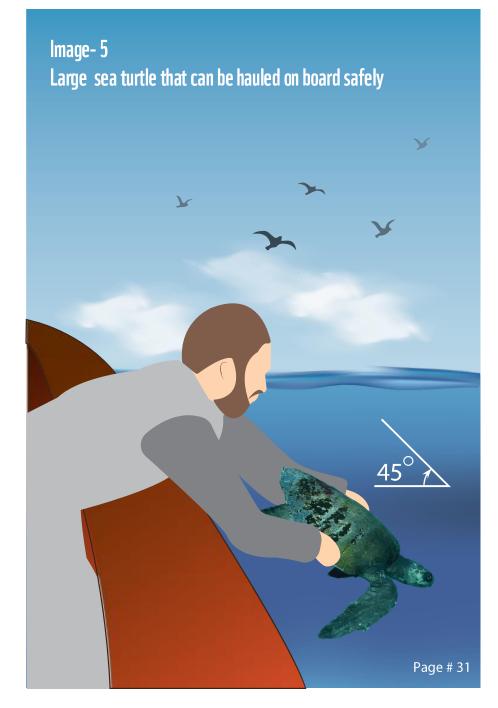












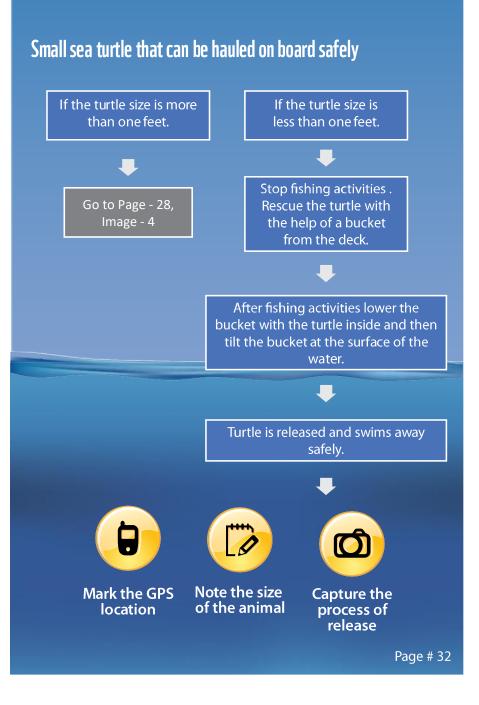
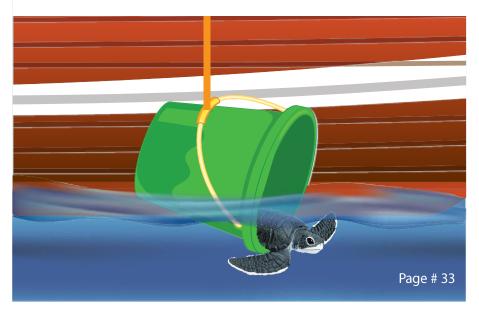
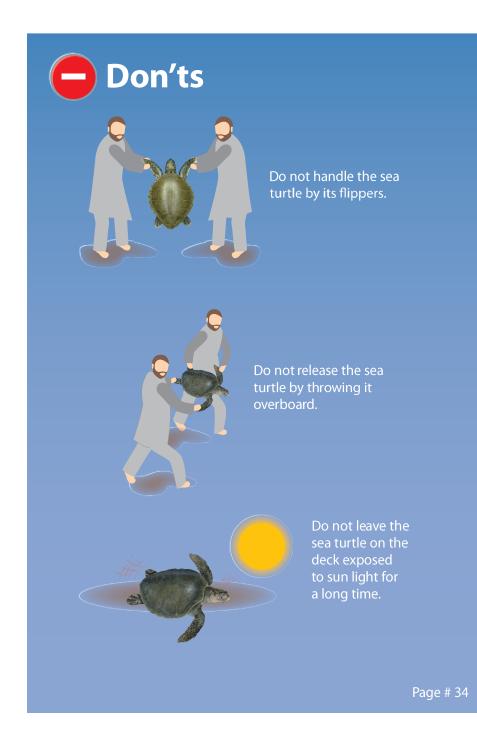


Image- 6 Small sea turtle that can be hauled on board safely









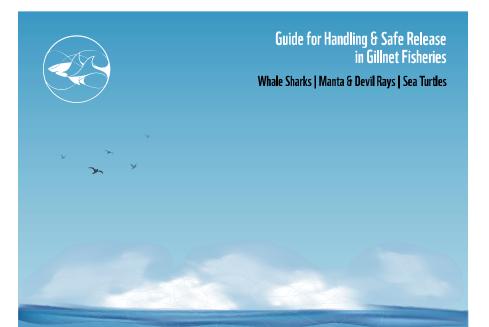
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> > **Design and Illustrations:** Ammar Khan



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This "Safe Handling & Release Guide" has been produced with the support of Shark Conservation Fund (SCF) to guide fishermen and fisheries authorities on proper handling and safe release of entangled whale sharks, mobulids (manta and devil rays) & sea turtles accidentally caught in the gillnet fisheries. Through this guide, we urge its users to report on all safely released whale sharks, mobulids and sea turtles to marine team of WWF-Pakistan. For further details about the guidelines and safe release training opportunities, please contact WWF-Pakistan.

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