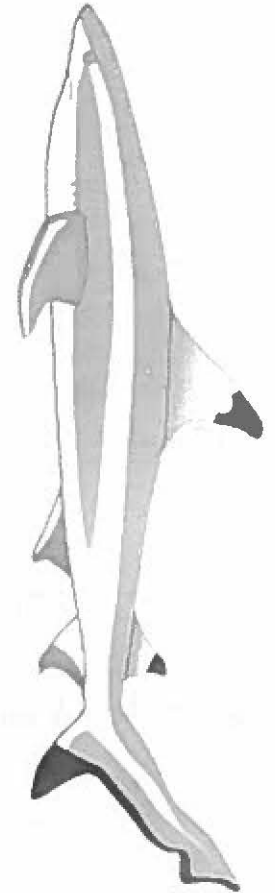


Underwater Explorer Junior Ranger Book



Pu'ukoholā Heiau
National Historic Site

Instructions

Step 1: Complete the required number of activities for your age:

5-7 (Any **TWO** Activities)

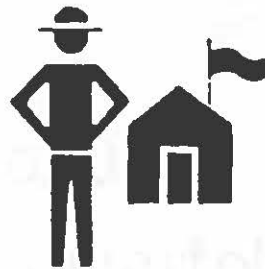
8-10 (Any **FOUR** Activities)

11-13 (Any **SIX** Activities)

Step 2: Return your **Booklet** to a Park Ranger.

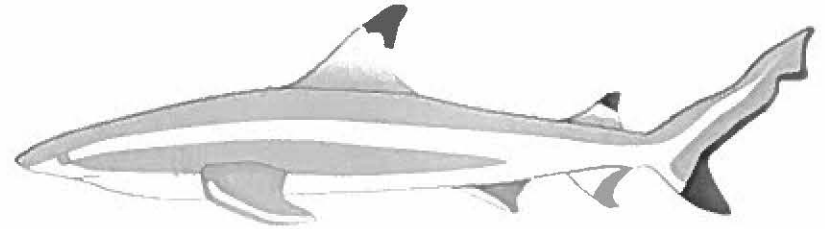
Step 3: Recite the Underwater Explorer Pledge and become an official Junior Park Ranger Underwater Explorer!

Step 4: Visit other National Parks and do other **FUN** Junior Ranger Programs!



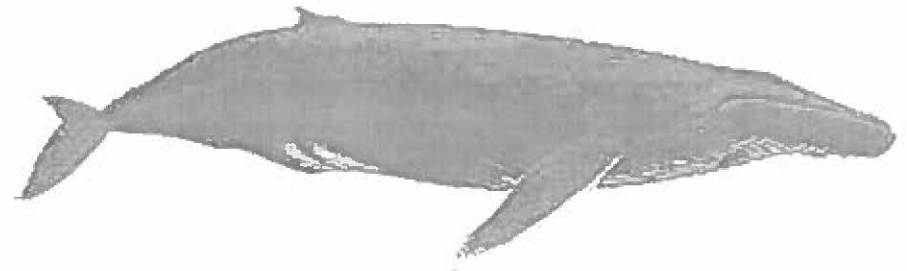
If you need help, ask a Park Ranger!

Pu'ukoholā Heiau National Historic Site



For successful completion of the Underwater Explorer Program

is hereby declared to be a
Junior Park Ranger
Underwater Explorer

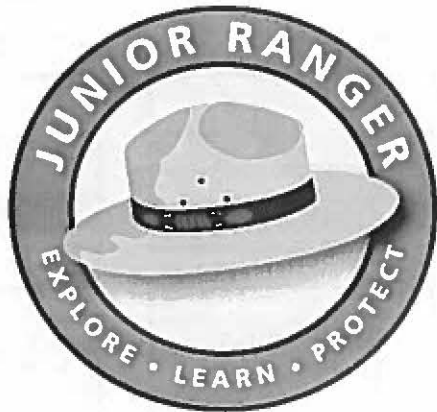


Park Ranger _____

Date ___/___/___

Underwater Explorer Junior Ranger Pledge

"As an Underwater Explorer,
I pledge to do my part to
protect the world's oceans,
streams, rivers and lakes.
I also pledge to learn all I can
about the creatures that call
these areas home and to share
what I learn with others."



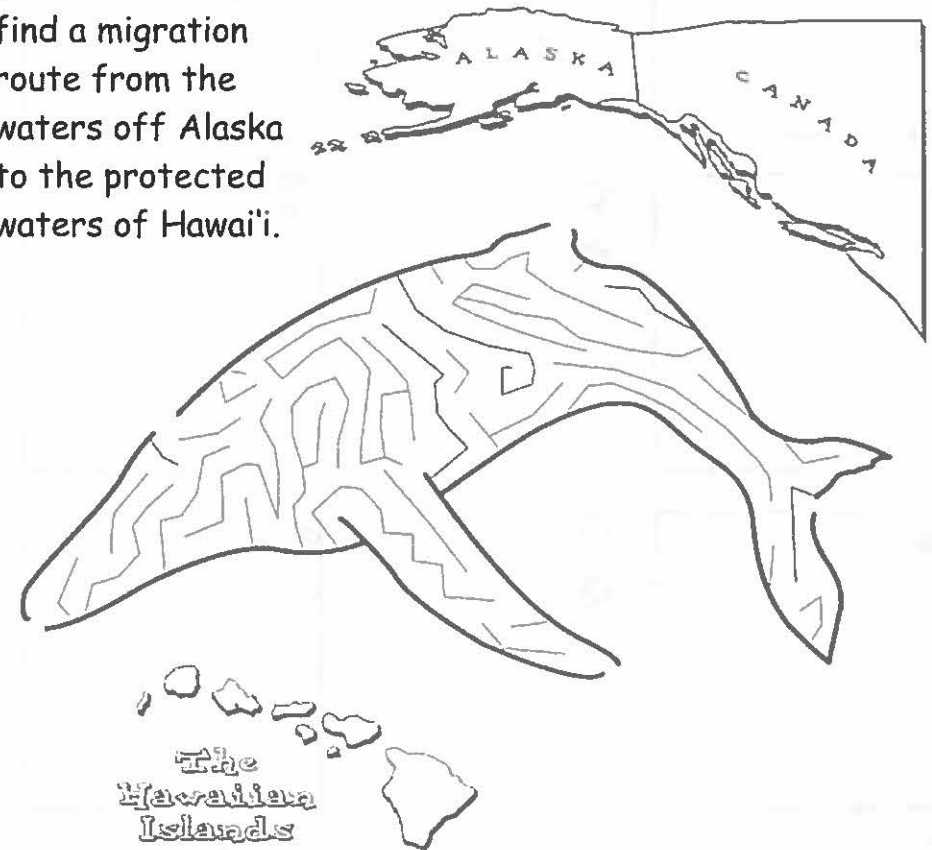
Humpback Whales

(Koholā)

DID YOU KNOW?

North Pacific Humpback Whales feed in the colder waters off Alaska during the Summer. They migrate south in the winter to mate, calve and nurse their young.

See if YOU can
find a migration
route from the
waters off Alaska
to the protected
waters of Hawai'i.



Whale Behaviors

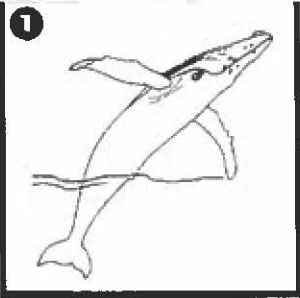
Humpback whales display a wide variety of behaviors while in the waters of Hawai'i.

See if YOU can identify the behaviors below?

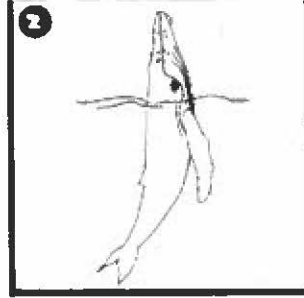
Peduncle Slap
Tail Slap

Head Slap
Head Rise

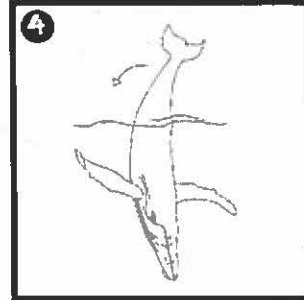
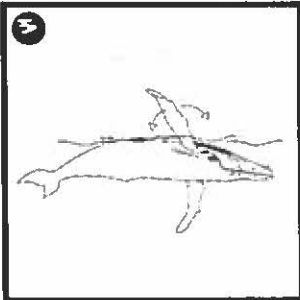
Breach
Pec Slap



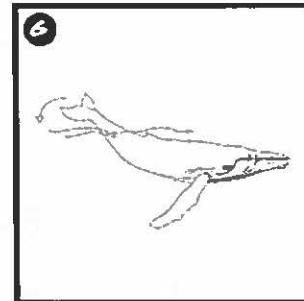
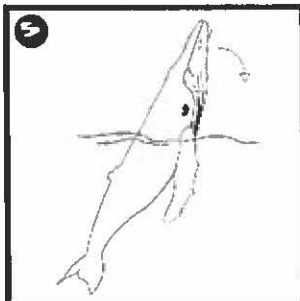
1 _____
2 _____



3 _____
4 _____



5 _____
6 _____



Did you see any humpback whales today? YES NO
If yes, what kind of behaviors did you see? _____

Blacktip Reef Sharks

(Manō Pā'ele)



Sharks are often present in Pelekane Bay. The blacktip reef shark is the most common type seen.

Spend a few minutes watching the bay and see if YOU can spot any sharks!
(Hint: Look for dorsal fins...like in the pictures below)

How many sharks did you see? _____

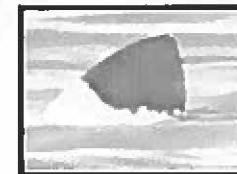


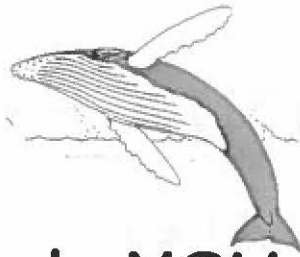
DID YOU KNOW?



No two people have the same fingerprints. In the same way, no two blacktip reef sharks have the same pattern on their dorsal fins.

The photos below show sharks in Pelekane Bay. Draw a line between the fins that are identical.





What do YOU know about Humpback Whales?

See if you can figure out which of the following statements are **true** and which are **false**.

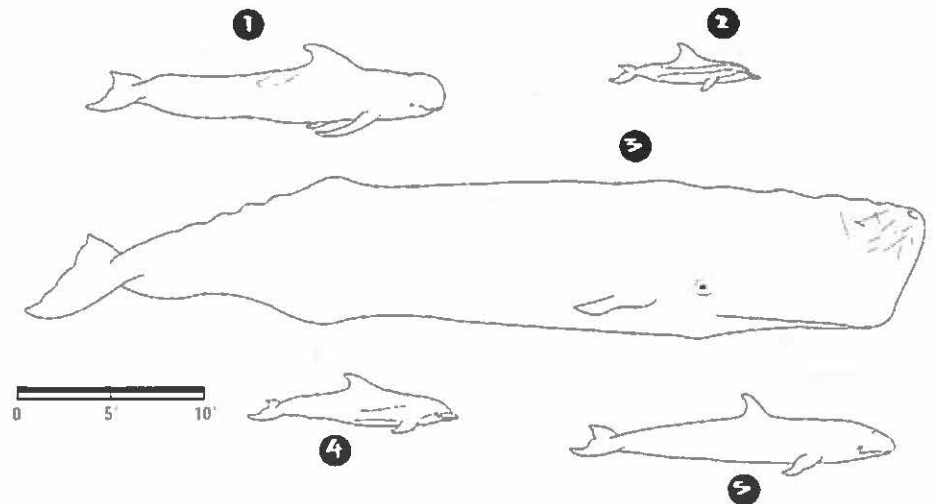
(Circle "T" for True or "F" for False)

- | | | |
|--|---|---|
| 1. Whales are fish. | T | F |
| 2. Humpback whales can weigh 80,000 pounds. | T | F |
| 3. Only male humpback whales sing. | T | F |
| 4. Humpback whales come to Hawai'i to feed. | T | F |
| 5. Every humpback fluke (tail) looks the same. | T | F |
| 6. Humpback whales are an endangered species. | T | F |
| 7. Humpback whales have hair. | T | F |
| 8. Whales do not play. | T | F |
| 9. Whales breathe under water. | T | F |
| 10. Humpback whales do not have teeth. | T | F |

Cetaceans

Whales, dolphins and porpoises are part of a group of mammals called **cetaceans**. Humpback Whales are one of the more easily recognized cetaceans in Hawai'i.

The five cetaceans shown below are found in Hawai'i. Look at the pictures below and write the numbers next to the correct names:

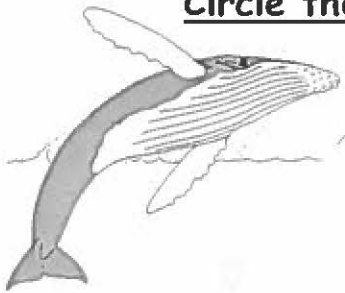


- A. Sperm Whale _____
 B. Long-Finned Pilot Whale _____
 C. Bottlenose Dolphin _____
 D. False Killer Whale _____
 E. Spinner Dolphin _____

Scavenger Hunt

How many of these aquatic creatures can YOU spot?
Some may be close to shore, others may be far away,
and some may be on the beach or in the pond at
Pelekane (the Royal Courtyard).

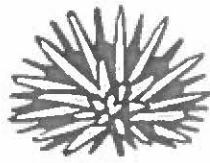
Circle the ones you can find



Humpback Whale
(*koholā*)



Dolphin
(*nai'a*)



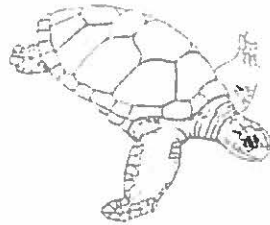
Sea Urchin
(*wana*)



Black-Tipped Reef Shark
(*manō pū'ele*)



Shells
(*pūpū*)



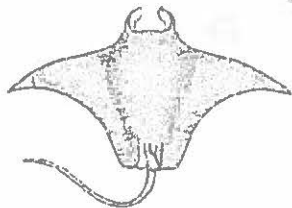
Green Sea Turtle
(*honu*)



Fish
(*i'a*)



Shrimp
(*opae*)

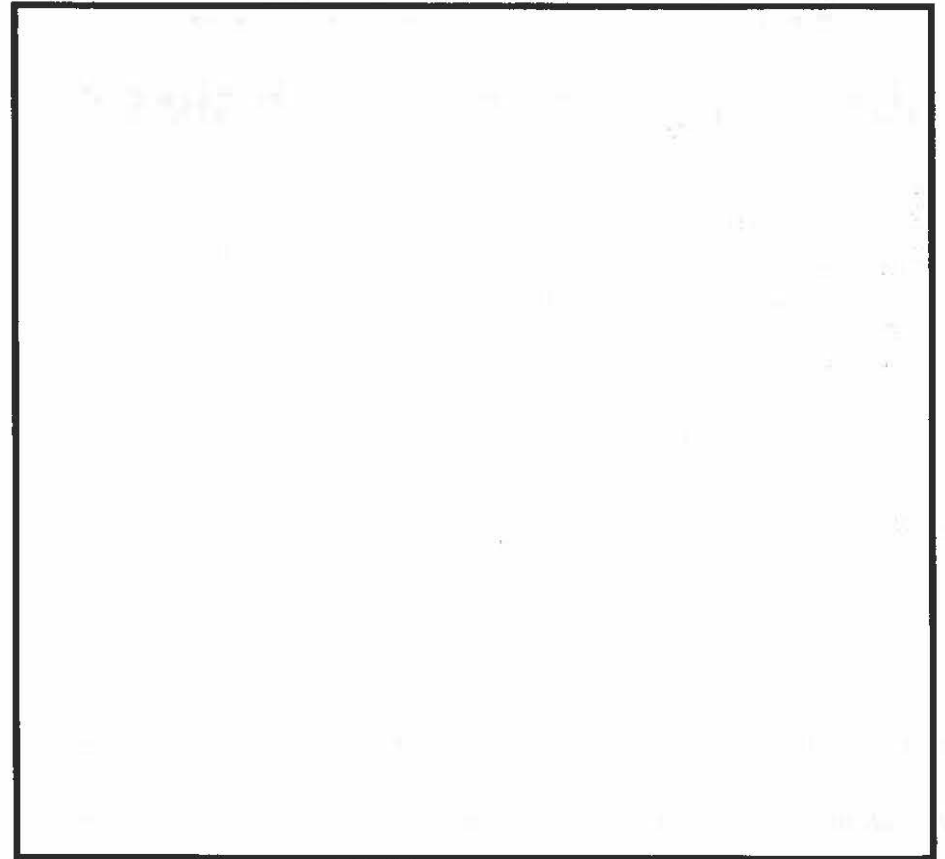


Spotted Eagle Ray
(*hihimanu*)



Crab
(*pūpa'i*)

Draw YOUR Favorite Underwater Critter



List three ways YOU can help protect the ocean.

- _____
- _____
- _____