

# Manatee Sanctuary Area

**What is a manatee sanctuary?** A manatee sanctuary area is area that is off limits to human activity.

**How is a manatee sanctuary created?** A manatee sanctuary is created through scientific research. Scientists consider what areas are vital to manatee survival based on water temperature and areas where they can feed and rest without being disturbed.

**What is the best way for you to view manatees?** In order to ensure that the manatees stay undisturbed and safe you should look but never touch manatees.

**Where can you find manatees?** Manatees can be found in shallow, slow-moving rivers, estuaries, saltwater bays, canals, and coastal areas. In the winter months you are more likely to find manatees in Florida and in the summer months they are most commonly sighted in Alabama, Georgia, and South Carolina.

**What type of behavior can you expect from a manatee?** Manatees are known as gentle, slow moving animals that spend a lot of time resting, eating, and traveling as they are migratory animals.

**What types of legal protection is there for manatees?** Manatees located in the United States are protected under federal law by the Marine Mammal Protection Act of 1972, and the Endangered Species Act of 1973. Harassing, hunting, capturing, or killing any marine mammals are illegal due to these laws.

**How long do manatees live?** The average lifespan of a manatee is 60 years or more.

**What are some of the dangers manatees face?** Deadly collisions with watercrafts, swallowing fish hooks or liter, and loss of habitat.

## Objectives:

### Third Grade:

Understand how manatees respond to changing seasons.

Use a map and locate your hometown and a manatee sanctuary.

Measure the distance between your hometown and a manatee sanctuary using the maps scale.

Write a short story, poem, or song lyric about manatees including facts you learned today.

Solve addition facts with sums to 18 and related subtraction one-digit fact families.

### Science:

SC.3.L.17.1 Describe how animals and plants respond to changing seasons.

How do manatees respond to the changing seasons?

**Social Studies:**

SS.3.G.1.6 Use maps to identify different types of scale to measure distances between two places.

Use a map and locate your hometown and the location of a manatee sanctuary. After locating these two places measure the distance between the two places using the maps scale.

**Reading and Language Arts:**

LA.3.4.1.2 The student will write a variety of expressive forms (e.g., chapter books, short stories, poetry, skits, song lyrics) that may employ, but not be limited to, figurative language (e.g., simile, onomatopoeia), rhythm, dialogue, characterization, plot, and appropriate format. Write a short story, poem, or song lyrics about manatees. Your short story, poem, or song lyric should include facts you learned today about manatees.

**Mathematics:**

MA.3.A.1.In.b Solve addition facts with sums to 18 and related subtraction one-digit fact families using the formal algorithm with numerals and signs (+, -, =).

12 manatees + 4 manatees =

9 manatees – 7 manatees =

4 manatees – 2 manatees =

12 manatees + 1 manatee =

8 manatees + 7 manatees =