

# The National Marine Sanctuaries Puzzle Map



By Julie Petrella

In 1972, the United States Congress created the National Marine Sanctuary Program directed by the National Oceanic and Atmospheric Administration (NOAA).

Thirteen national marine sanctuaries that protect 18,618 square miles of the Pacific and Atlantic oceans, US coastal areas, around the Great Lakes, and the coast of American Samoa are

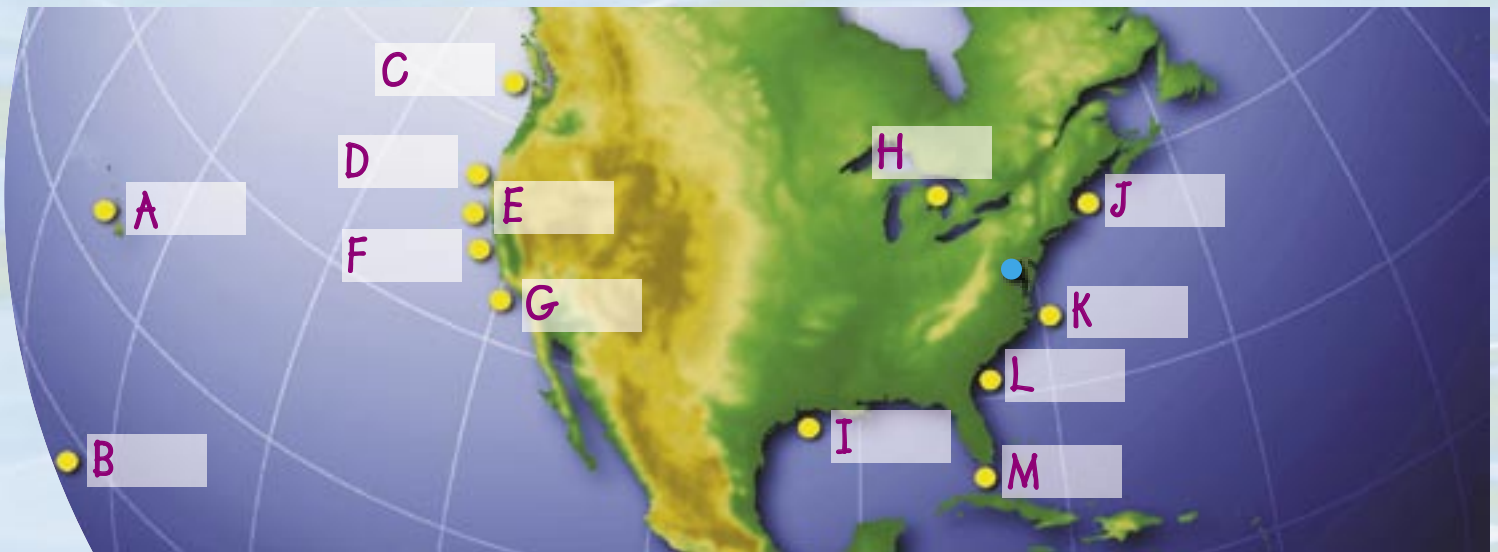
home to whales, sea lions, sharks, sea turtles, coral and artificial reefs, kelp forests, and even the famous USS Monitor from the American Civil War.

While all of these marine sanctuaries allow recreational diving, only Cordell Bank does not recommend it, as the diving is too deep and too far offshore.

## SEYMOUR SAYS:

Match up the locations on this map with the sanctuaries below

Using the descriptions and an atlas, match each lettered location on the map with the correct sanctuary number below.



**1. Channel Islands** Located near Santa Barbara, California, this sanctuary is home to the endangered brown pelican and the black storm-petrel.

**2. Cordell Bank** This sanctuary is the northernmost of the California sanctuaries. Its nutrient-rich water supports huge amounts of krill, an important food source for the humpback and blue whales that live there.

**3. Fagatele Bay** This southernmost sanctuary consists mostly of tropical Indo-Pacific reefs located within a crater formed by an eroded volcano.

**4. Florida Keys** More than 800 shipwrecks are located within this sanctuary, many of them due to hurricanes.

**5. Flower Garden Banks** Scalloped hammerhead sharks, loggerhead sea turtles, manta rays, and the United States' northernmost coral reefs all inhabit this Gulf of Mexico sanctuary.

**6. Gray's Reef** The temperate climate of this southeastern sanctuary makes it an ideal winter habitat for the northern right whale.

**7. Gulf of the Farallones** More than 10,000 seals and sea lions, including harbor seals, Steller sea lions, and northern elephant seals live in this sanctuary located just north of San Francisco.

**8. Hawaiian Islands Humpback Whale** While named for the humpback whales that breed in its warm waters, this sanctuary is also home to spinner dolphins and Hawaiian monk seals.

**9. Monitor** The first to be established, this sanctuary is named for the Civil War ship that sank 16 miles off of Cape Hatteras, North Carolina.

**10. Monterey Bay** The infamous San Andreas Fault runs through this California sanctuary, which also happens to be the largest of all 13 sanctuaries.

**11. Olympic Coast** Visitors to this Pacific-coast sanctuary may see flounder, halibut, rockfish, salmon, and a lot of kelp.

**12. Stellwagen Bank** Inhabitants of this sanctuary must occasionally endure winter storms known as "Nor'easters."

**13. Thunder Bay** Prehistoric and historic Native American artifacts can be found within this Great Lakes sanctuary.

Answers to Seymour Says: A-8, B-3, C-11, D-2, E-7, F-10, G-1, H-13, I-5, J-12, K-9, L-6, M-4

