



Scallop Restoration at Tarpon Bay Benchmarks

SC.912.L.17.16

Discuss the large-scale environmental impacts resulting from human activity, including waste spills, oil spills, runoff, greenhouse gases, ozone depletion, and surface and groundwater pollution.



Scallop Restoration at Tarpon Bay Vocabulary

Bay: A large body of water connected to an ocean or sea formed by an inlet of land.

Bivalve: A mollusk, such as an oyster or a scallop that has a shell consisting of two hinged valves.

Hermaphrodite: an animal or plant having both male and female reproductive organs.

Sound: (such as Pine Island Sound) A sound is a large sea or ocean inlet larger than a bay.

Protandrous: A sequential hermaphrodite that is first male, then transitions to female.

Protogynous: a hermaphrodite flower or animal having the female reproductive organs come to maturity before the male. The opposite of protandrous.

Spat: larvae develop into juvenile scallops.

Trophic Level: The trophic level of an organism is the position it occupies in a food chain.

Turbid: not clean or clear, cloudy or muddy.



Scallop Restoration at Tarpon Bay Guiding Questions

1. What would you cite to *defend* the actions of the people who maintain the Herbert Hoover Dyke in light of the damage the water releases have caused? Why did they feel it must be done?
2. Can you assess the value or importance not contributing to HAB's to a restaurant business, or even locals who could acquire shellfish from the bay?
3. Species A is a predator on species B. However, the hunters have hunted and killed all of species A. Can you predict a possible outcome for species B?
4. Based on what you now know, what would you change, if you could change only one thing, to improve the scallop population in Tarpon Bay?
5. Devise another way to increase the population of scallops at Tarpon Bay that would help it be self-sustaining.
6. Describe one thing from the movie that was new to you, to share with the class for your notebooks.
7. Name one thing you took away from the movie that you did not know to share.