

## Aquaculture Question Cards

Cut along the dotted lines.



### Scenario 1:

Your family wants to buy a unique former bed and breakfast called Frying Pan Tower, which is located 34 miles off of the N.C. coast in Frying Pan Shoals, near Wilmington. You are considering it, but you also want to start a marine aquaculture business that could benefit from this unique offshore location. What would you farm there and why?

### Scenario 2:

The NC State University Marine Aquaculture Research Center in Marshallberg is partnering with entrepreneurs to grow marine finfish using recirculating aquaculture systems. You have decided to take advantage of this opportunity. What would you grow there and why?

### Scenario 3:

A non-profit environmental organization that works to protect water quality wants to establish a pilot mariculture operation. They want to test whether mariculture could help improve water quality in Stump Sound, specifically surrounding Permuda Island. The area historically has been home to commercial oyster harvesters, but tourism and development are more common now. Where should they farm, what should they farm there and why?



### Scenario 4:

A commercial fisherman who is frustrated with changes in fishing rules and regulations is considering starting a mariculture operation to diversify his income streams. He lives and has a dock near Swansboro and wants his farm to be within easy boating distance from the dock. Where should he farm, what should he farm there and why?

### Scenario 5:

A restaurant chef wants to grow some of her own seafood, and owns some inland property near Grantsboro in Pamlico County. She hopes to sell a local product and avoid purchasing imported seafood. What should she produce and why?

### Scenario 6:

Hatteras Island is somewhat isolated from the mainland, and residents value sourcing local foods to defray transportation costs of shipping in food. The island schools are partnering with local fishers to start an aquaculture operation. They have start-up funding from a community organization in Buxton. Where should they set up operations, what should they produce there and why?

### Scenario 7:

Low salinity levels in the water bodies around Currituck County have kept oyster farmers from starting up businesses in the area. The local high school has an education program that has been teaching students how to grow marine aquatic plants. Where should the students grow marine aquatic plants, what kind of plants should they grow and why?