

My research question was to figure out how the differences in adaptations affect which zones and conditions mussels and sea anemones thrive in. Based on the data collection and interview with Nick Jones, I was able to answer my question to the best of my ability. From my data collection, I found that the sea anemone having a higher water content tended to live in small pools of water, typically completely submerged or pretty close to water. This is because they require more water to survive. Sea anemones tended to live in pools of water that had a higher pH level. This being compared to the more solid mussels with the exterior protection of a shell who live in the mid-tide zone that live in smaller pools with lower pH levels and spend more time exposed to air with minimal water. Which is because the mussels do not need to feed by filtering and catching smaller intertidal creatures underwater.

From my interview I found out that Nick as an aquaculture farmer does not pair the creatures he grows with each other because most of the species he grows do not pair well or cooperate with each so, it is easier and more sustainable to keep them separate. He holds faith in the assumption that his land will never run out of resources or stop producing, and is lead to surmise that he is unable to take too much from his land. I presuppose he believes this because he has not yet run out of resources and is driven by profit.