



Open Water Marine Finfish Aquaculture and Its Environmental Impacts

Student Worksheet Name _____

Watch the following videos to answer questions about open water marine finfish aquaculture.

Both videos feature farms using innovative and environmentally responsible practices.

VIDEO A. Island Farmer Spotlight: Kampachi Farms (5:00) *RACPacific* https://www.youtube.com/watch?time_continue=78&v=INNfQmR503o

More information on Kampachi Farms' practices can be found here:

<http://www.kampachifarm.com/projects>

Questions:

1. What is the tremendous breakthrough in marine open water aquaculture, according to Neil Sims, co-founder and co-CEO of Kampachi Farms?
2. What are two sources of alternative fish feeds that Kampachi Farms is experimenting with?
3. Which ecologically threatened fish species is Kampachi Farms growing?



4. Kampachi Farms conducted the Velella project, which was the first trial of open-ocean aquaculture to be sited in what type of U.S. waters?

VIDEO B. Can a Fish Farm Be Green? (6:00) *Frontline*. Stop the video at 2:05. <https://www.youtube.com/watch?v=OOy8kjohevc>

1. What are the four problems that early salmon fish farms needed to address, according to the speaker, Steve Damato?

2. Choose one of the four problems to research. Investigate the cause of the problem, results of the problem, and ways to solve the problem.

Problem Chosen:

Cause of Problem:

Results of Problem:



Ways to Solve Problem:

3. Would you eat salmon from the farm featured in the video? What about from a conventional open water salmon farm? Why or why not?

4. Which practices used at this farm are realistic for other fish farms? Why? Which practices might be more challenging to adopt?