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Outline

- Green Peace Case Studies and Campbell River case Description
- Green Peace Study and Campbell River Processes
- Stakeholder Involvement in Green Peace cases and Campbell River
- Outcomes for both cases
- Recommendations for Central West

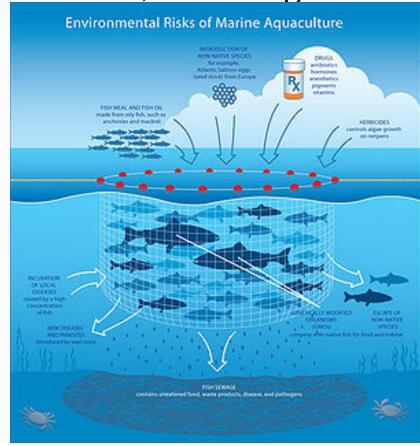
Green Peace Case Studies

 Green Peace has compiled several case studies on several species.

• They represent regions around the world, including but

not limited to Bangladesh, Honduras, Ecuador, Chile, and Canada.

 Highlights the challenges faced by many aquaculture areas and regions.



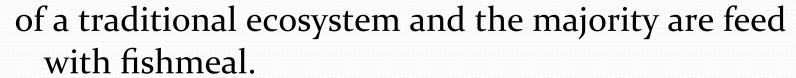
Campbell River Case Study

- Nutreco composed a case study to outline the Corporate Social Responsibility policies and programs, and how they are implemented in Marine Harvest Canada.
- Within Nutreco Aquaculture is the salmon farming company, Marine Harvest .
- Marine Harvest operates a total of 16 fish farms in B.C., with the largest operation in Campbell River .
- The world's largest producer of farmed salmon and one of the largest global fish feed producers.



Processes in Green Peace Cases

- Large nets filled with a large stockpile of fish.
- Nets allow transfer of waste from the netted area to outside.
- Farmed fish are not part



• There is a small trend with using plant based protein in the feeds.



Processes in Campbell River

- Stakeholders concerned about the impact of waste on the ocean floor.
- Provincial Government issuing salmon farming

licences within First Nation territories.

- Interaction of escaped farmed salmon with wild salmon in traditional territories.
- Diseases that are targeting wild salmon species, believed to be transmitted by farmed salmon.

Stakeholder Involvement in Green Peace Cases

- Government
- •Local Fishermen
- Environmental non-government organizations

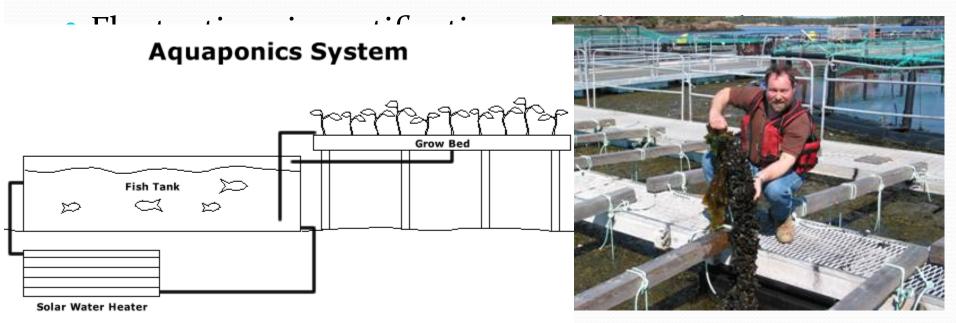


Stakeholder Involvement in Campbell River

- Heilstuk First Nation of Bella Bella and Kitasoo
- MSC (Marine Stewardship Council)
- Government
- Environmental non-government organizations

Outcomes in Green Peace Cases

- High stocking of fish are leading to lose of biodiversity.
- Effluent can be collected and used for fertilizers.
- Integration of multi-trophic aquaculture systems.



Outcomes in Campbell River

- Main company Nutreco followed strict guidelines to ensure their fish farming was safe.
- Focused on showing the public that their food was safe, nutritious, and comes from a sustainable source, this ensures an increase in sales for the company.
- Nutreco decided to commit to the well being of local communities where the company operates instead of trying to make as much profit as possible.
- They provide a conference meeting every year for key stakeholders to gain feedback on how their company is viewed in the public.
- The conferences are committed to ensuring innovation through sharing knowledge.

Key Lessons

- Global demand for fish is increasing while the supply is decreasing. Therefore contained areas of fish breeding are necessary to keep up with the demand.
- Aquaculture directly affects the world fresh water and oceans, doing this negatively can ruin a company.
- It is important to have properly running companies that participate in Corporate Social Responsibility activities.
- Farmed fish cannot be introduced to wild fish since they contain antibiotics and pesticides. This could negatively impact the growth of wild fish and affect the fish they produce.
- Develop strong relationships with First Nations since the majority of fish farming is located on their territory.
- This ensures the fish farming is done correctly and will not affect the wildlife in the ocean

Recommendations for Central West

- Have very secure fish farming facilities to insure farmed fish do not breed with wild fish.
- Participate in the Corporate Social Responsibility activities which includes talking to government officials, fishermen, scientists, environmental non-government organizations and First Nation communities.
- Keep the public informed of what processes take place during fish farming to insure lack of knowledge does not negatively affect the sales of fish.
- Gather information of what the public may think about aquaculture to ensure people don't view it negatively which would affect sales considerably.

References

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Questions?