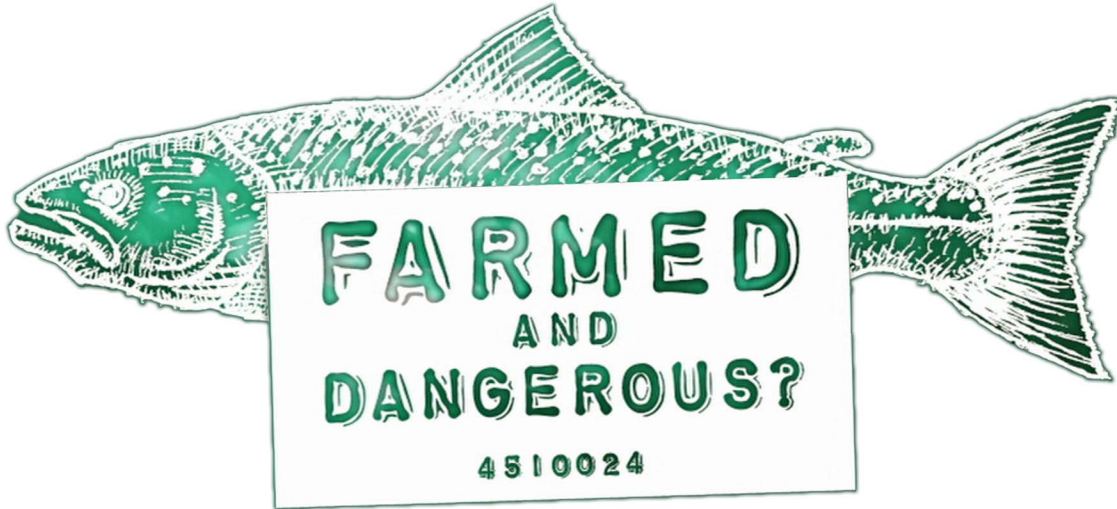


# the Water Brothers EPISODE GUIDE QUESTIONS



1. What percentage of the salmon we eat today comes from aquaculture? What percentage comes from the wild?
2. Why did we start growing salmon in farms instead of catching them in the wild?
3. What in the forest surrounding the salmon-filled rivers do the salmon carcasses provide nutrients to?
4. Name two concerns with salmon farming.
5. How many kilograms of wild-caught fish does it take to feed and produce one kilogram of farmed salmon?
6. Name one province in Canada that was mentioned in this episode where there are many salmon farms (salmon aquaculture).
7. Name three ingredients that can be in salmon feed.
8. Describe one common way that farmed salmon escape into the wild.
9. Name one environmentally friendly aquaculture system that was mentioned in the episode.
10. What is your opinion on farmed salmon? Explain.

# the Water Brothers EPISODE GUIDE ANSWERS



- 1. What percentage of the salmon we eat today comes from aquaculture? What percentage comes from the wild?** 70% of the salmon we eat today comes from aquaculture. 30% comes from the wild.
- 2. Why did we start growing salmon in farms instead of catching them in the wild?** We started growing salmon in farms so that wild stocks would not be depleted.
- 3. What in the forest surrounding the salmon-filled rivers do the salmon carcasses provide nutrients to?** Salmon provide nutrients to the trees in the forests.
- 4. Name two concerns with salmon farming.** 1. Wild fish are used to feed the salmon. This is putting stress on wild fish populations. / 2. Farmed salmon raised in open net pens in the ocean can infect wild fish with diseases and parasites. Fish waste, fish diseases and parasites can flow freely in and out of the farm's cages.
- 5. How many kilograms of wild-caught fish does it take to feed and produce one kilogram of farmed salmon?** It takes 1-3 kilograms of wild-caught fish to feed and produce one kilogram of farmed salmon.
- 6. Name one province in Canada that was mentioned in this episode where there are many salmon farms (salmon aquaculture).** A lot of salmon aquaculture takes place in British Columbia.
- 7. Name three ingredients that can be in salmon feed.** Salmon feed can be made out of fishmeal, fish oil, chicken meat, bones, feathers, soybeans and corn.
- 8. Describe one common way that farmed salmon escape into the wild.** Sometimes seals and sea lions rip open the nets of salmon farms, trying to get access to an easy meal. This allows farmed salmon to escape into the wild.
- 9. Name one environmentally friendly aquaculture system that was mentioned in the episode.** One environmentally friendly aquaculture system is called "Closed Containment".
- 10. What is your opinion on farmed salmon? Explain.**

# the Water Brothers EPISODE GUIDE ACTIVITIES



## Salmon Facts

- <http://www.pac.dfo-mpo.gc.ca/fm-gp/species-especes/salmon-saumon/facts-infos/index-eng.html>
- <https://www.vanaqua.org/learn/aquafacts/fish/salmon>

## Salmon Farming

- <http://www.davidsuzuki.org/issues/oceans/science/sustainable-fisheries-and-aquaculture/salmon-farming---a-grave-concern-a-great-hope/>
- <http://www.aquaculture.ca/files/species-salmon.php>
- <http://www.livingoceans.org/initiatives/salmon-farming>
- <http://news.nationalgeographic.com/news/2014/03/140319-salmon-farming-sustainable-aquaculture/>