

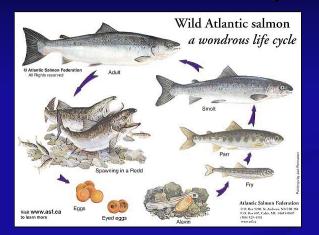


## Salmon Species



Chinook Coho Sockeye Pink Chum Atlantic

## Wild Salmon Lifecycle



Atlantic Salmo salar



# Farmed Salmon Lifecycle

- Incubate eggs
- Exposed hatched alevins to dim light
- Raise parr in freshwater to smolts



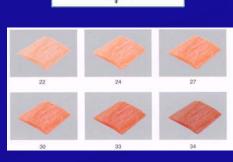


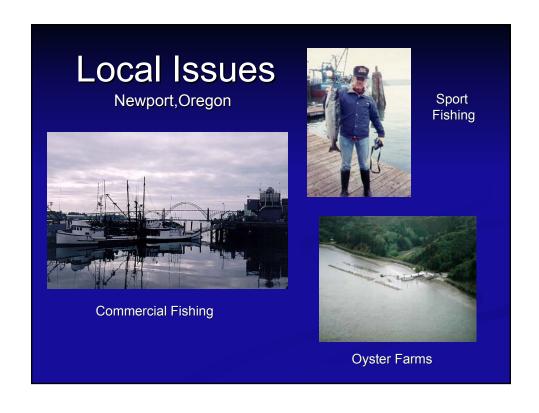
# Farmed Salmon Lifecycle Raise the smolts to adult size in saltwater pens Harvest full sized

Harvest full sized fish

Prepare harvested







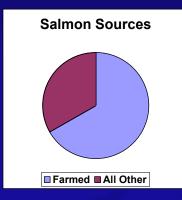
# **Pros**

- Provides jobs
- Reduces demand on wild stocks



# **Pros**

- Provides 2/3 of the worlds demand for salmon
- Affordable
- Available year round
- Consistent



## Cons

#### Effects on:

- Wild salmon
- The environment
- People



## **Effects on Wild Salmon**

- Parasites & disease
- Interbreeding
- Competition



### **Effects on the Environment**

- Pollution
  - Waste products
  - Chemicals



## **Effects on People**

- Health
  - Unsafe levels of PCBs
  - Antibiotics & pesticides
  - Antifouling chemicals from pens
- Economic
  - Competition with fishermen



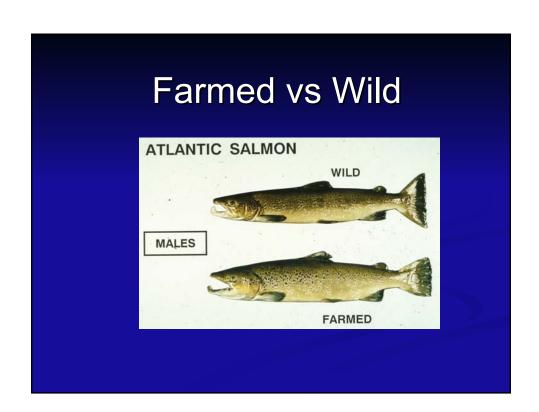
## **Possible Solutions**

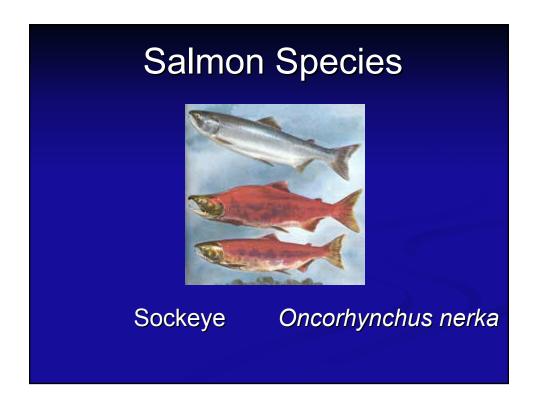
- Closed systems
- Sterilization
- Increase testing
- Bracketed tax increase
- Require insurance
- Monitor feed & chemicals











## Salmon Species



Chinook Oncorhynchus tshawytscha

# Salmon Species



Pink

Oncorhynchus gorbuscha