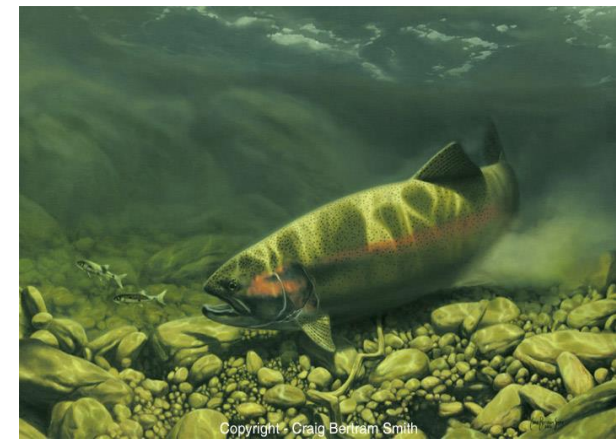
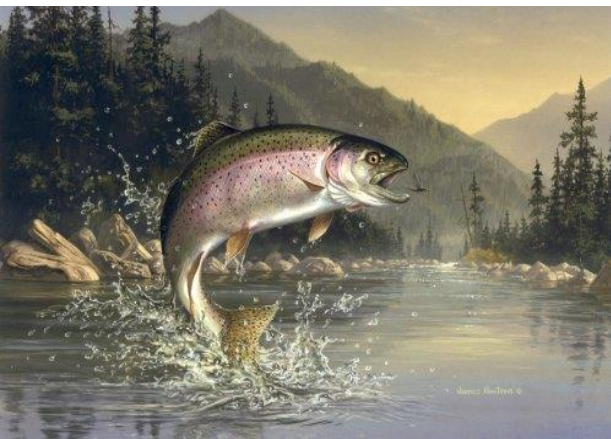




# Techniques for Small-scale Rainbow Trout Farming

Bingqian Wang, Professor

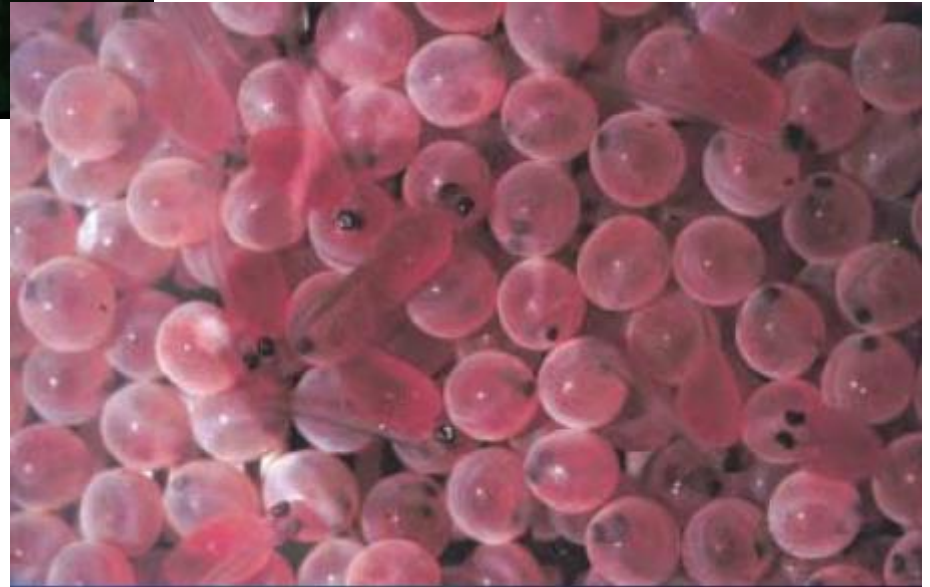
Heilongjiang River Fishery Research Institute,  
Chinese Academy of Fishery Sciences



# Broodstock

- Females are 2 to 3 years old
  - Can be used for more than one year but may have decreased egg quality and quantity
- Males are 2 to 3 years old
  - Can be used several times in one spawning season but not for more than one year

# Dry Spawning

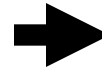
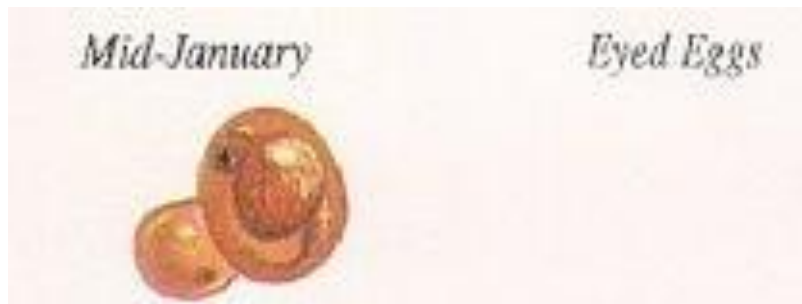


# Outlines

- Production Systems
- Feeding
- Water Management
- Site Selection
- Basic Economic Calculations of Investment and Production

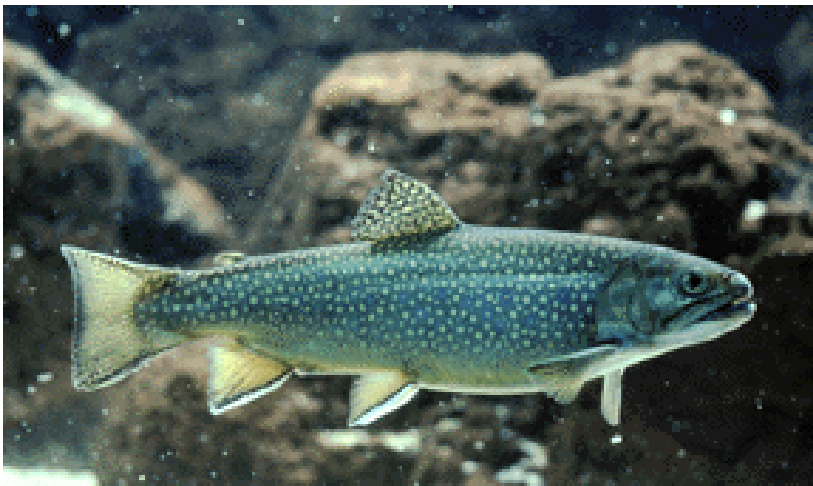
# Production Systems

# Salmonid Life Cycle



# Commonly Cultured Trout

- Rainbow Trout  
*Oncorhynchus mykiss*
- Brown Trout  
*Salmo trutta*
- Brook Trout  
*Salvelinus fontinalis*



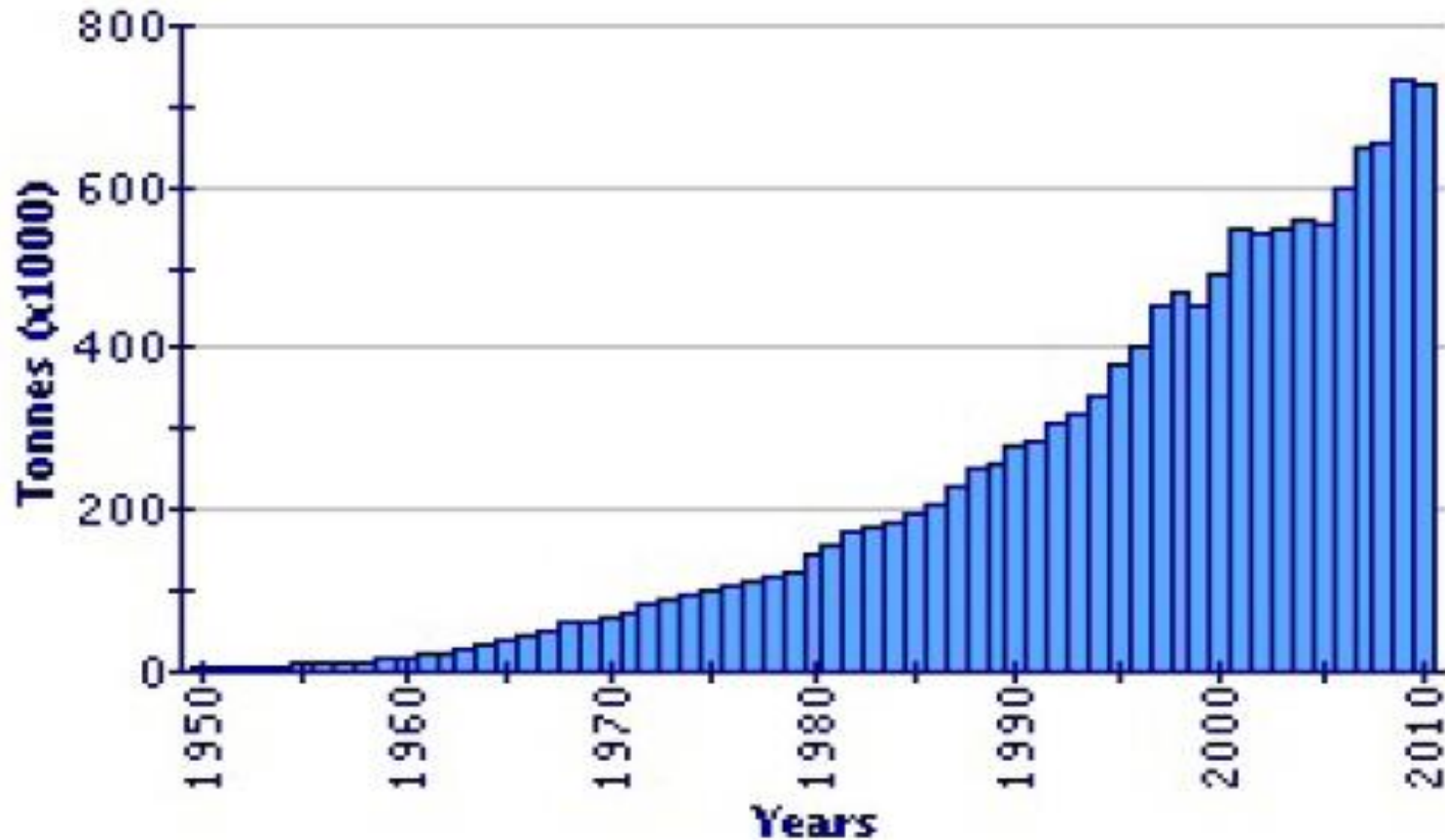


# Rainbow Trout Culture

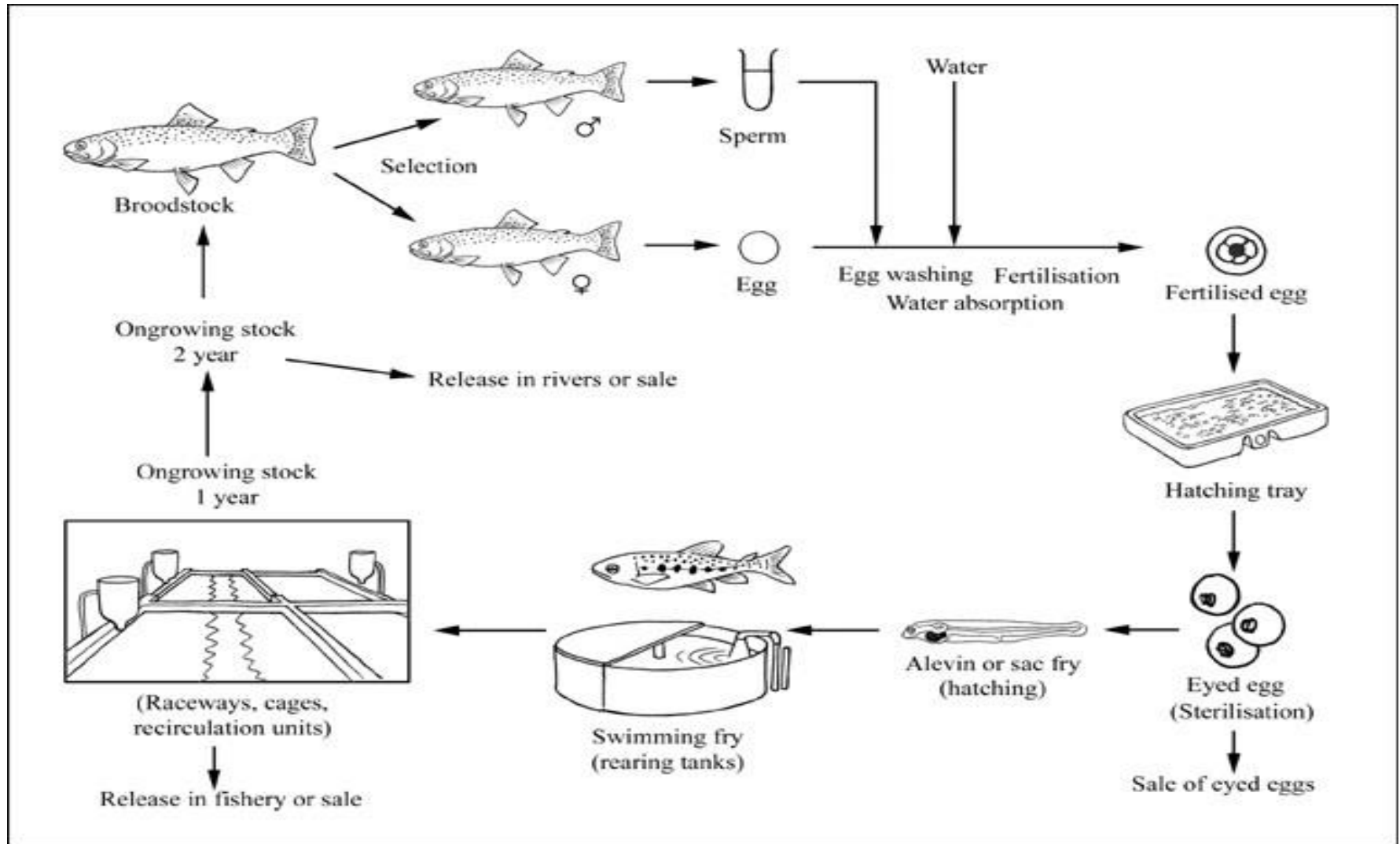




# Global Aquaculture Production of Rainbow Trout



# General Production Cycles



# Stages of Culture - Trout

- Broodstock
- Spawning
- Egg incubation
- Fry culture
- Fingerling production
- Growout