

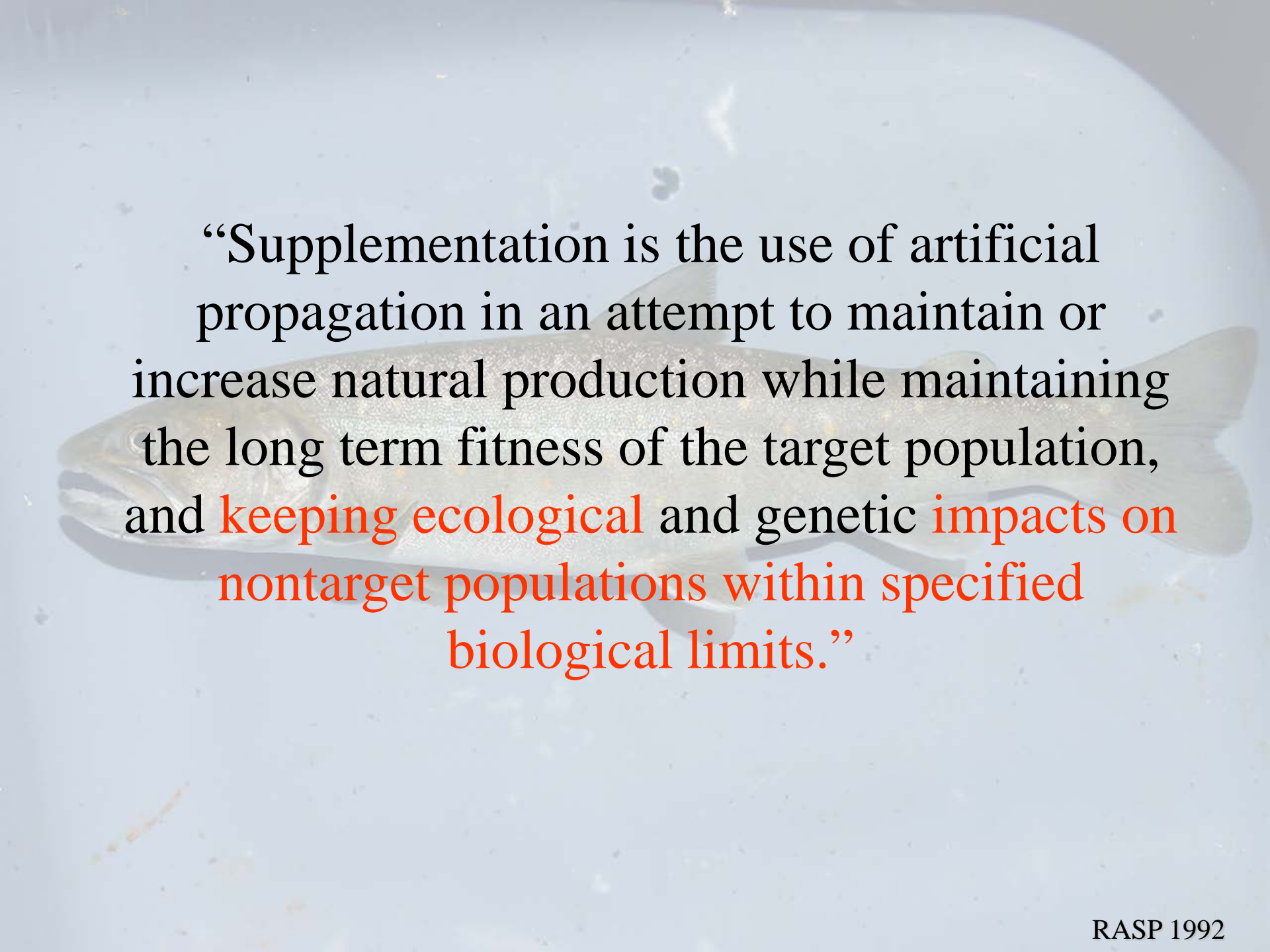
# Non-target Taxa Monitoring Ecological Risk Containment



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“Supplementation is the use of artificial propagation in an attempt to maintain or increase natural production while maintaining the long term fitness of the target population, and **keeping ecological and genetic impacts on nontarget populations within specified biological limits.**”

# Containment Objectives

$\leq 0\%$



$\leq 5\%$



$\leq 10\%$



$\leq 40\%$



sustainability







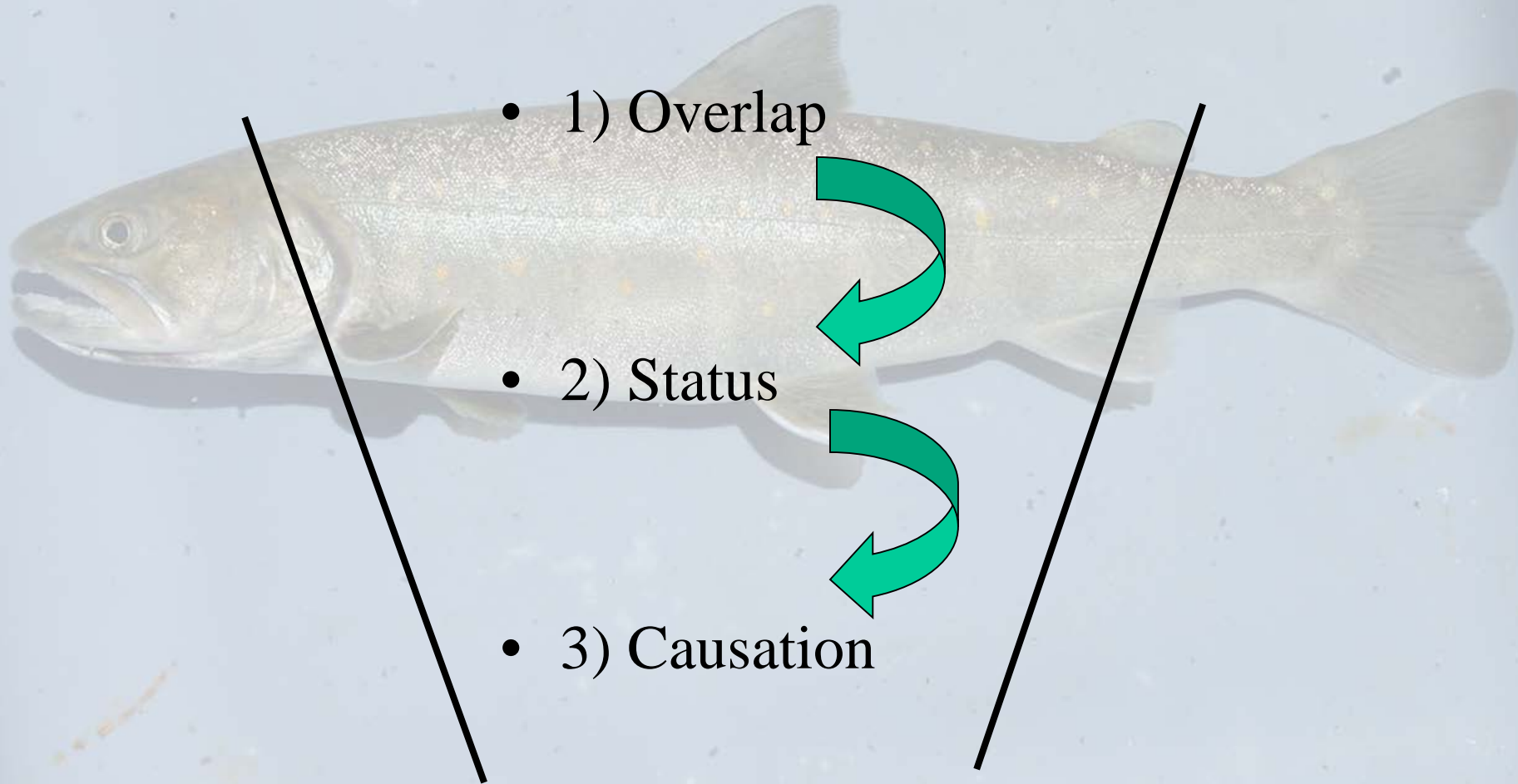
Special thanks: BPA, YN, and EIT staff

# NTT Risk Containment Process: Sieve Approach

- 1) Overlap

- 2) Status

- 3) Causation





# Results Through 2009

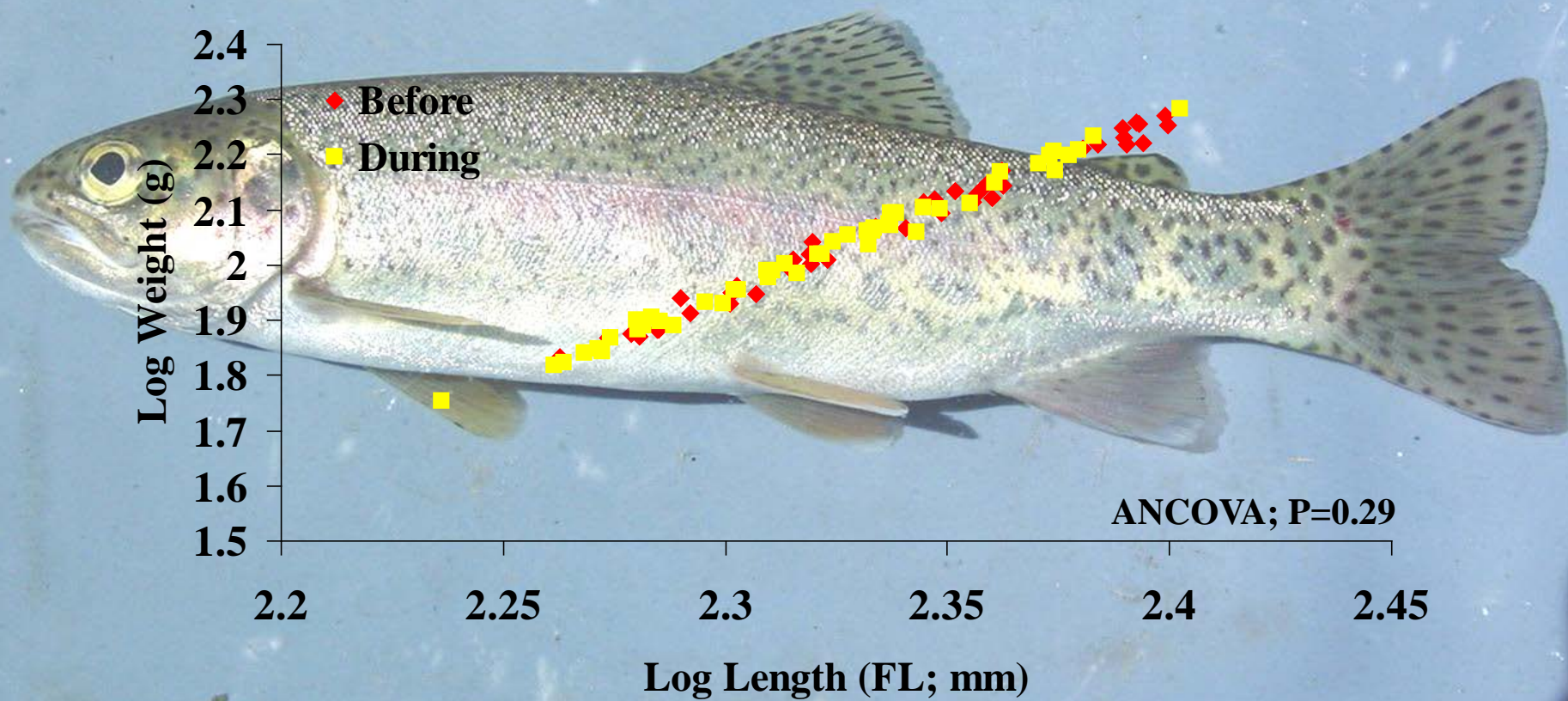
Status of most species remain within  
acceptable limits

Notable Exceptions:

- Steelhead size index (main stem Yakima)
- Steelhead size index (tributaries)
- Teanaway bull trout\*

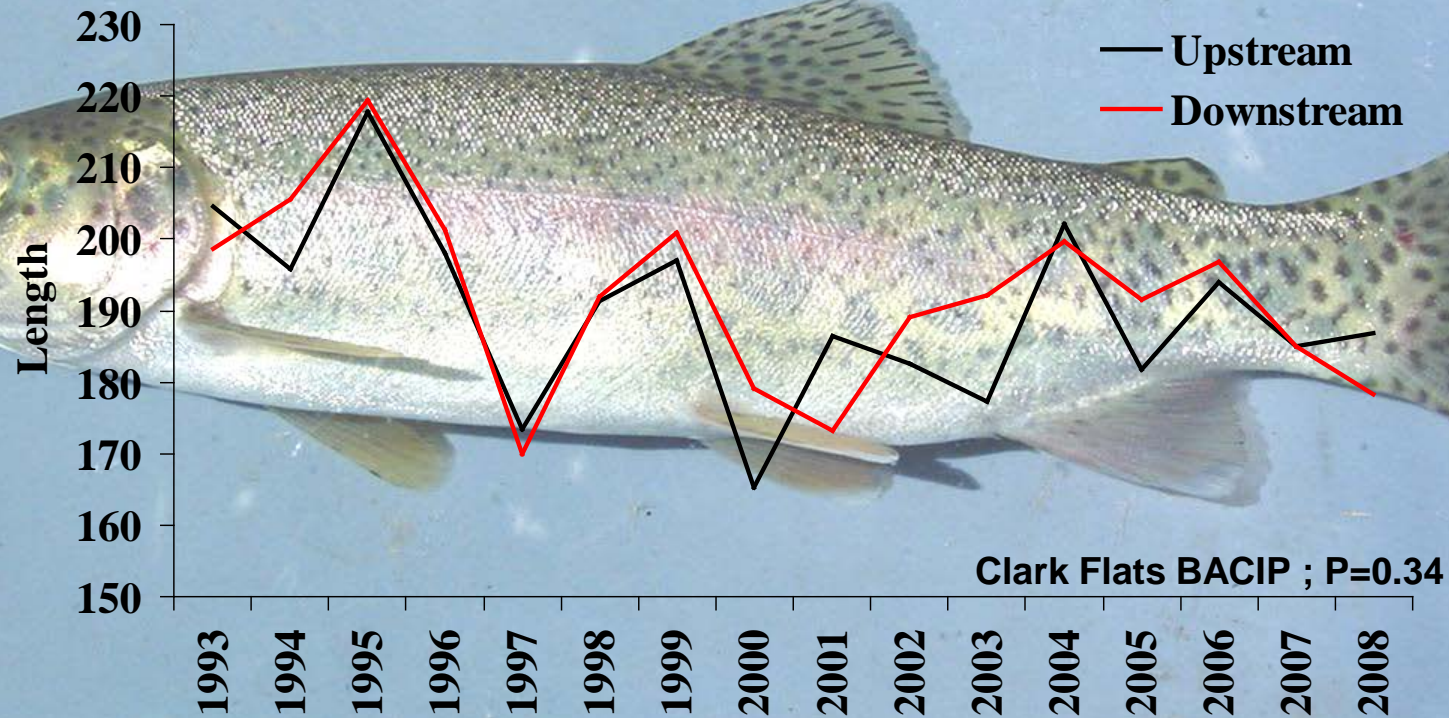


# Main stem Age 1 RBT Size

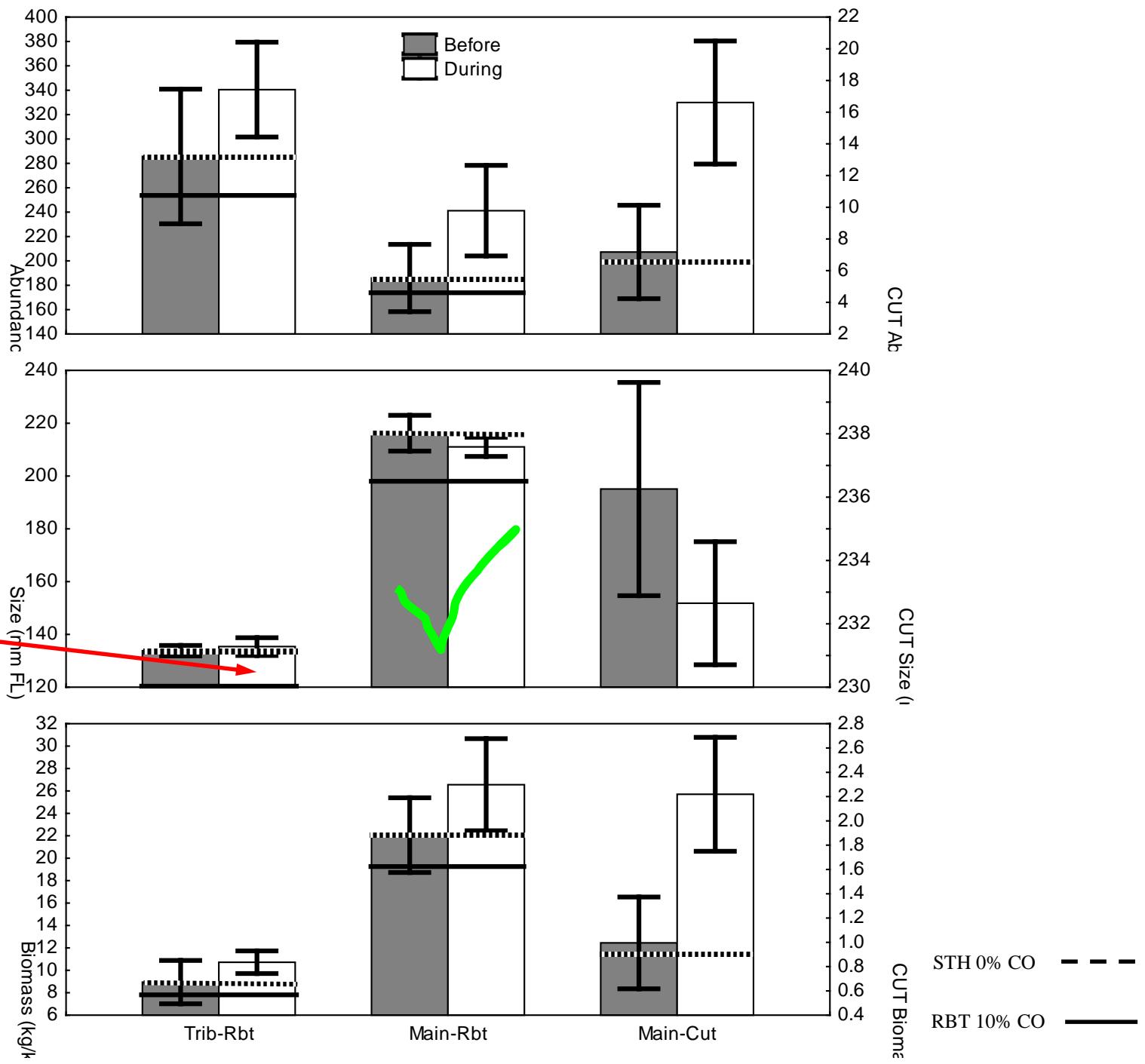




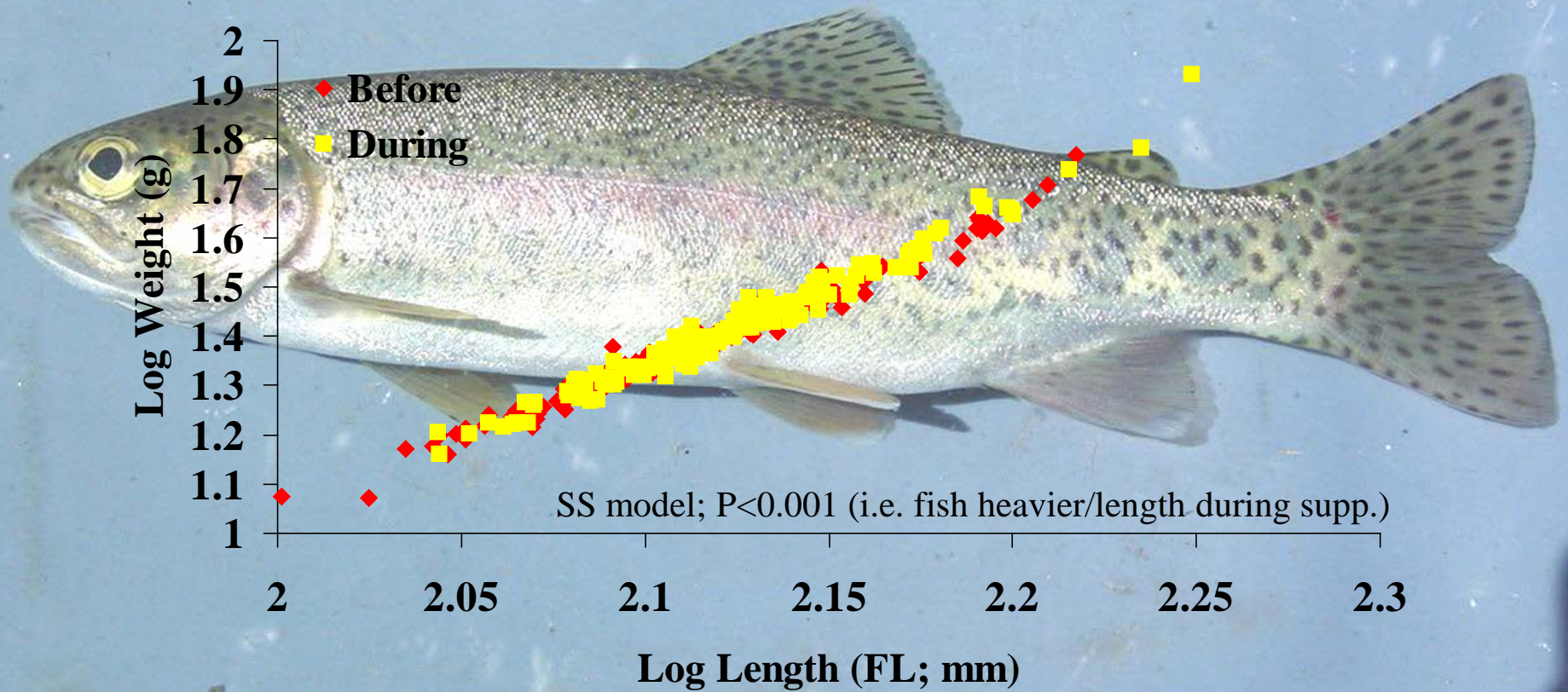
# Main stem Age 1 RBT Size





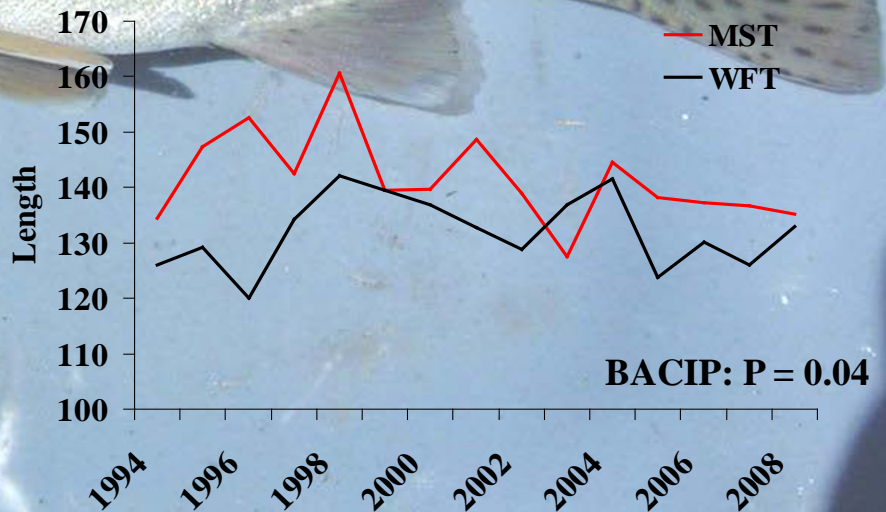
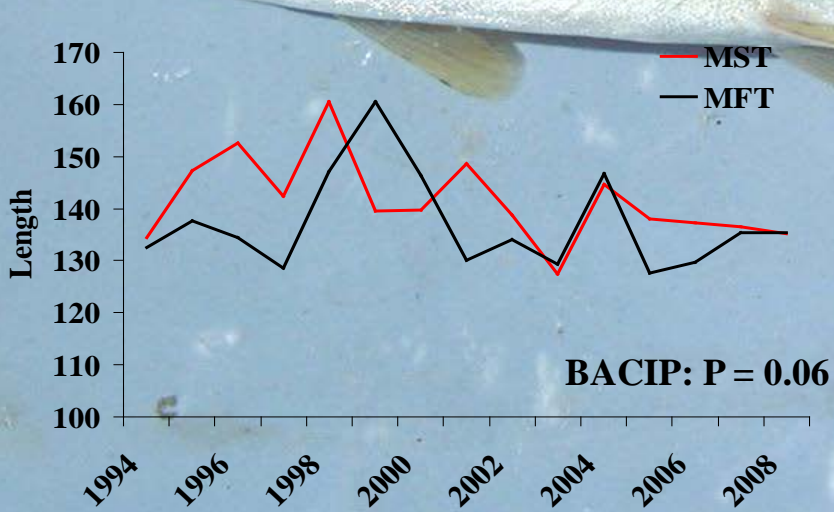
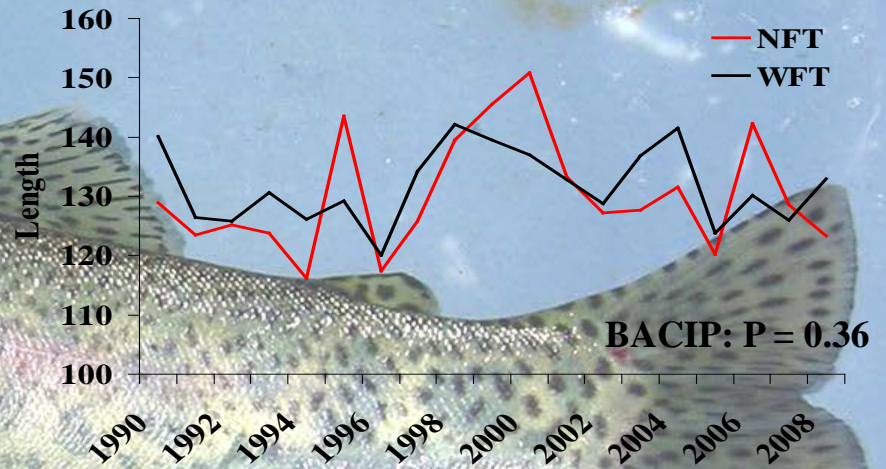
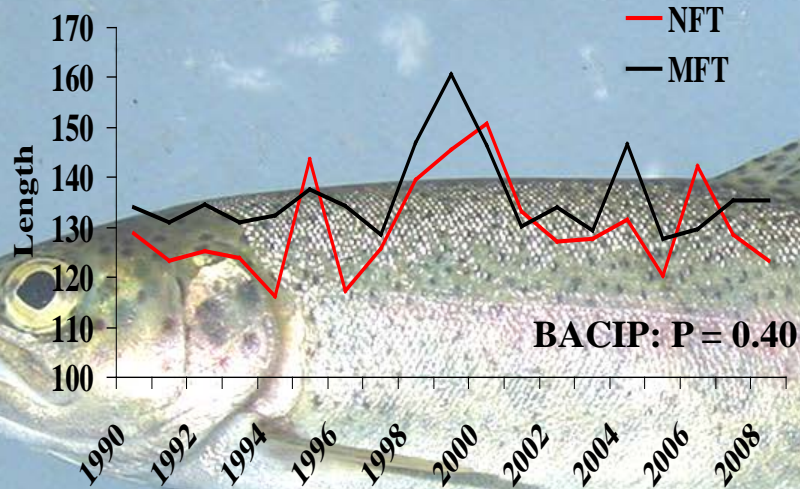


# Tributary RBT Size

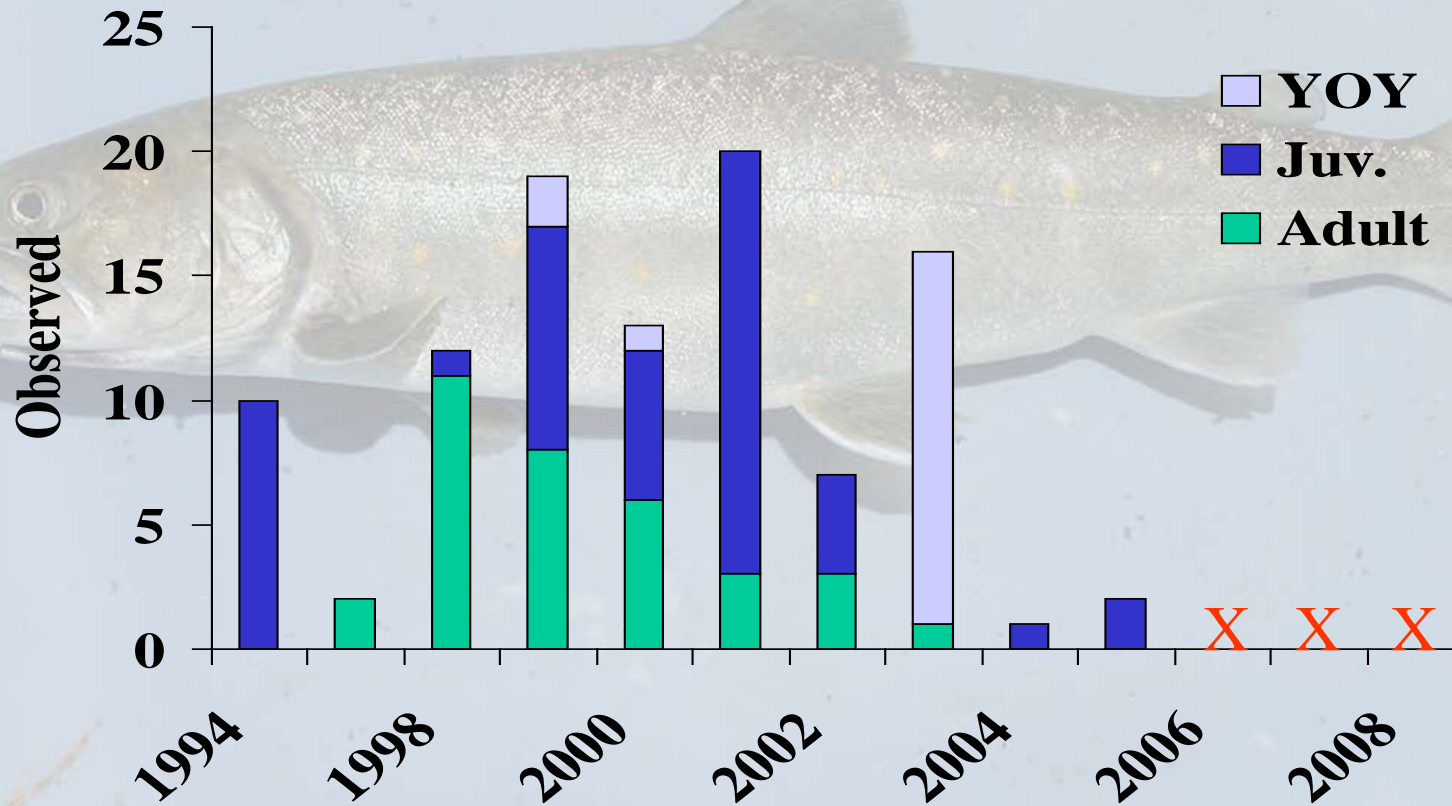




# Tributary RBT Size



# Teanaway Bull Trout





# The Coming Year

- Closely monitor Tributary RBT size structure
- Closely monitor Main stem RBT size structure



- Continue evaluations of COHO/RBT interactions