

# Conclusions: Fish Program Research

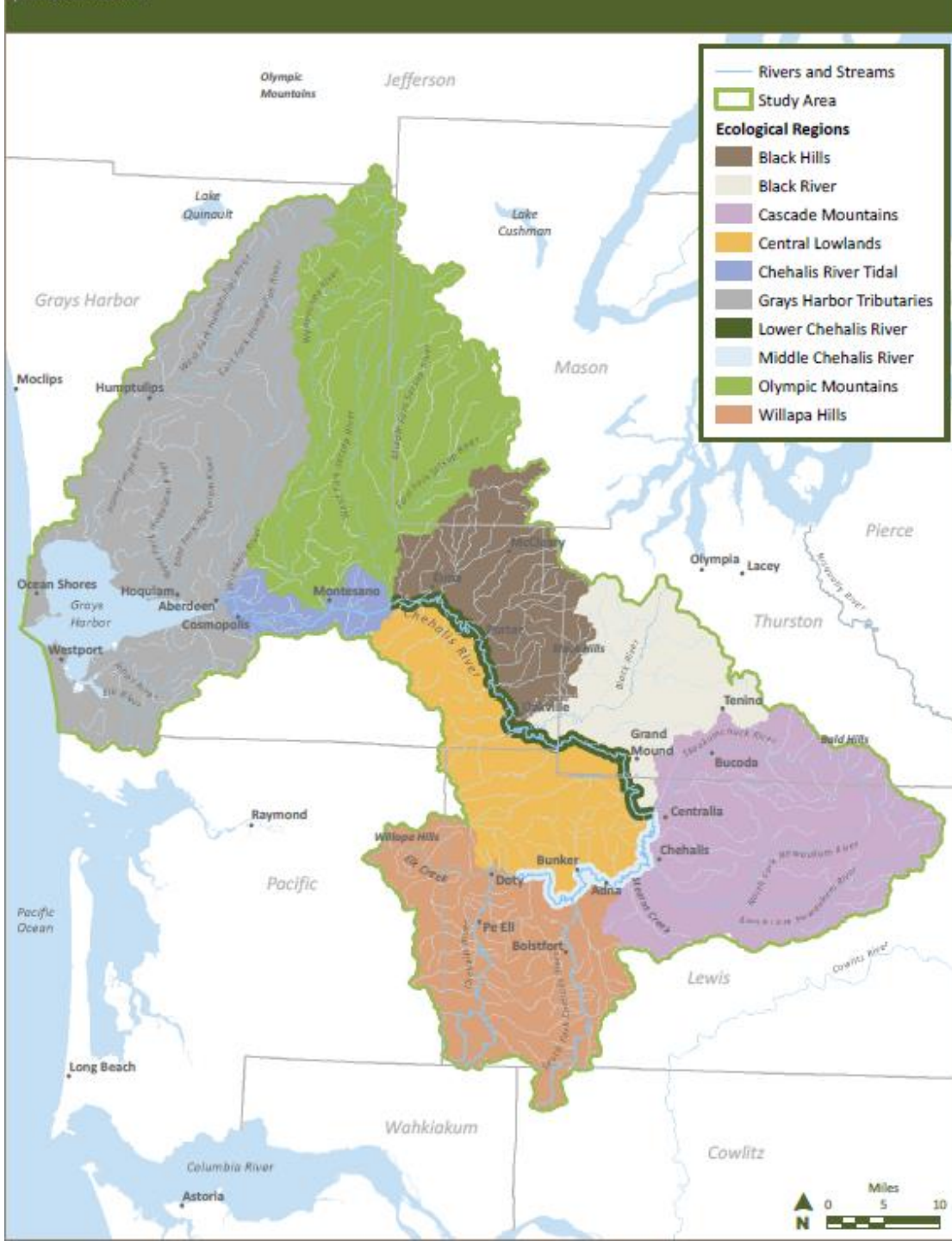
Mara S. Zimmerman

Chehalis Basin ASRP Science Symposium

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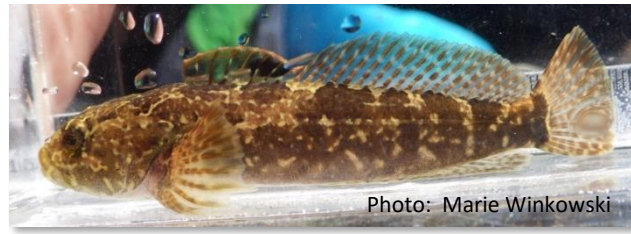
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*FISH AND WILDLIFE*





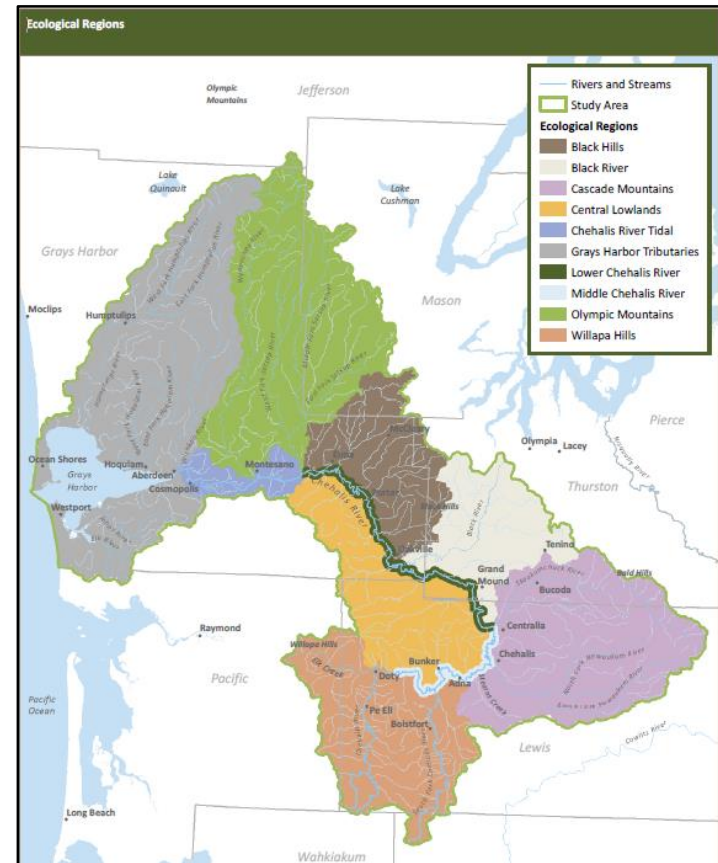
# Fish Program Research

- Our goal has been to generate data from the Chehalis Basin that informs restoration planning (ASRP)



# Fish Program Research

- Overall, the Chehalis River ecosystem is supported by diversity...
  - Temperature
  - Flow
  - Species
  - Life histories
  - Genetics



# Fish Program Research

- **THEME 1: Data to inform existing models has increased**
  - Chum abundance and distribution
  - Summer holding habitat for Spring Chinook salmon
  - Basin-wide temperature information
  - Salmonid-temperature-habitat relationships
  - Depth, velocity requirements for native fish species





# Fish Program Research

- **THEME 2: Responses to restoration will occur at multiple scales**
  - Broad scale footprints
    - Chum, Spring Chinook distribution
    - Chinook, Steelhead population structure
  - Upstream-downstream gradients
    - Juvenile salmonid 'zones'
    - Freshwater growth of juvenile Chinook salmon
  - Local scale requirements
    - Chum salmon spawning
    - Spring Chinook salmon holding
    - Pacific lamprey rearing



# Fish Program Research

A few reminders:

- Study details are available on WDFW website
- *Day 2*
  - *Prioritization*
  - *Feedback*
  - *Be there!*

