



American Fisheries Society
2008 Western Division Annual Meeting



Analysis and Interpretation of Fisheries Data Workshop:

- **Relative Abundance and CPUE**
- **Food Web Interactions**

May 4, 8am-5pm

\$90

Instructors:

Dave Beauchamp, Washington Cooperative Fish and Wildlife Research Unit
Wayne Hubert, Wyoming Cooperative Fish and Wildlife Research Unit

Please join us for a one-day workshop addressing key elements of the new book "Analysis and Interpretation of Freshwater Fisheries Data". Two contributing authors to this new AFS publication will broadly discuss the new book, and present detailed instruction on the chapters they separately co-authored. Reduced-cost copy of the textbook will be available for registered workshop participants.

Dr. Dave Beauchamp will present information on his chapter "Predator-Prey Interactions", including how to investigate predator-prey and general food web interactions in lakes and reservoirs. Specific Predator-Prey Interactions topics will include integrated netting and hydroacoustics sampling programs, age, growth, diet analysis, and bioenergetics modeling. Predator-prey case studies will be provided from a number of western lakes and reservoirs, including Washington, Sammamish, Flathead, Yellowstone, Tahoe, Billy Chinook, Strawberry, and Bear lakes.

Dr. Wayne Hubert will discuss the assessment of fish populations and particularly the use of "Relative Abundance and CPUE" and structural indices. The presentation will include the underlying assumptions when using relative abundance indices, need to standardize sampling gear, importance of sampling designs, appropriate statistical tests to assess spatial or temporal differences, and consideration of statistical power when drawing inference. Examples will focus on western lakes and rivers.