



# Fisheries Technology

AFS Meeting, Homer 2015

Fish Pathology Lab

November 2-3, 2015

UAS Fisheries Technology Program

Susan Doherty, evaluation specialist/lab supervisor, Southern SE Regional Aquaculture Assn.

Jim Seeland, UAS Fisheries Technology Program, Assistant Professor

## Monday, November 2, 2015

- 0830 - Meet at Island and Oceans Visitor Center Lobby
- 0830 - 0900 Introductions and overview of lab/safety discussion
- 0900 - 1030 Summary of ADFG Fish Pathology program/Jayde Ferguson, ADFG Fish Pathologist (recorded teleconference)
- 1030 - 1045 Break
- 1045 - 1200 Basic bacteriological techniques  
Distribute 5x7 cards for use during the lab session  
Discuss procedures for making agar plates/why and how  
Create agar plates and inoculate
- 1200 - 1300 Lunch on your own (outside of the lab)
- 1300 - 1500 Gram stain process  
Look at (microscope) and discuss various fish pathogens  
*ADFG Common Diseases of Wild and Cultured Fishes in Alaska*  
Case histories
- 1500 - 1515 Break
- 1515 - 1630 Continue work with slides, pathogen discussion

## Tuesday, November 3, 2015

- 0830 - Meet at Islands and Oceans lab classroom
- 0830 - 0900 ADFG Fish Pathology Lab sample submission, Rich Morris, ADFG Fish pathology technician (recorded session)
- 0900 - 1200 Sampling adult and juvenile salmon  
Sample submission process  
Collecting a good history for sample submission  
Break at 1030
- 1200 - 1300 Lunch on your own (outside of the lab)
- 1300 - 1500 Goede fish health assessment index
- 1500 - 1515 Break
- 1515 - 1630 Inspect and assess inoculated media  
Fill out and discuss 5x7 card exercise  
Finish up or re-visit any topics which need further review  
Conclusion/open discussion of lab topics

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