

USFWS Conservation Genetics Community of Practice

Continuing Education Meeting

Ashland, OR (August 11-15, 2008)

Tuesday August 12th

- 8:30am WELCOME, OVERVIEW AND ANNOUNCEMENTS -- *Ken Goddard*
- 8:50 INTRODUCTION AND OVERVIEW OF FWS GENETICS FACILITIES
- 9:00 **Mary Curtis**, Clark R. Bavin National Fish and Wildlife Forensics Laboratory (Ashland, OR)
- 9:30 **John Wenburg**, Conservation Genetics Lab (Anchorage, AK)
- 10:00 **Andrew Matala**, Conservation Genetics Lab (Pacific Region)
- Break 15 minute break
- 10:15 **Connie Keeler-Foster**, Molecular Ecology Lab (Southwest Region)
- 10:45 **Gregory Moyer**, Conservation Genetics Lab, (Southeast Region)
- 11:15 **Meredith Bartron**, Conservation Genetics Lab (Northeast Region)
- 11:45 Lunch and Poster Session (at lab)
- 1:30 INVITED SPEAKER: **Nathan Allan**
- 2:15 Break
- 2:30 INVITED SPEAKER: **Stewart Reid**
- 3:15 Break
- 3:30 ROUND TABLE DISCUSSION WITH SPEAKERS. Role of ESA in conservation genetics for FWS
- 5:30 Group Discussion/Posters

Wednesday August 13th

- 8:00am FISH AND WILDLIFE FORENSICS LABORATORY FACILITY TOUR
- 9:00 LABORATORY TECHNIQUES PRESENTATION AND DISCUSSION (15 MINUTE EA.)
- Brian Hamlin, National Fish and Wildlife Forensics Laboratory (Ashland, OR)
 - Cara Lewis, Conservation Genetics Lab (Anchorage, AK)
 - Andrew Matala, Conservation Genetics Lab (Pacific Region)
 - Connie Keeler-Foster, Molecular Ecology Lab (Southwest Region)
 - Gregory Moyer, Conservation Genetics Lab, (Southeast Region)
 - Meredith Bartron, Conservation Genetics Lab (Northeast Region)
- 10:30 Break
- 10:45 DISCUSSION ON LAB EFFICIENCIES AND DEVELOPMENT OF SOPs
- 11:30 Lunch
- 1:00 GENETIC DATABASE DEMONSTRATIONS (30 MIN. EA.)
- LOKI demonstration (Christian Smith)
 - Alaska Lab Access Database demonstration (Bill Spearman)
- 2:00 GENETIC DATABASE DISCUSSIONS
- use of LOKI and other databases
 - lab needs for data management
- 3:00 Break
- 3:15 USE OF MOLECULAR MARKERS IN CONSERVATION GENETICS
- Population assignment - overview (Andrew Matala, Penny Crane)
- 3:30 Population assignment – discussion and data analysis (led by Andrew Matala)
- 3:50 Parentage analysis- overview (Meredith Bartron)
- 4:05 Parentage analysis - discussion and data analysis (led by Meredith Bartron)
- 4:25 Genetic management plans/captive refugia overview (Connie Keeler-Foster)
- 4:40 Genetic management plans/captive refugia discussion of SOPs (led by Connie Keeler-Foster)
- 5:30 Field Activity: CSI

Thursday August 14th

- 8:30 Effective population size - overview (Gregory Moyer)
- 8:45 Effective population size - discussion and data analysis (led by Gregory Moyer)
- 9:15 DISCUSSION OF ABI COMPUTER ISSUES/AUTO-UPDATES
- 10:15 Break
- 10:30 GENERAL DISCUSSION TOPICS
- Inreach/outreach
 - Future challenges
 - Cross-training opportunities
 - SOPs
 - Other
- 11:30 MEETING WRAP UP
- 12:00 ADJOURN