

# Program MARK Workshop



Presented by Gary White

March 30 - April 3, 2009, Anchorage



This week long workshop will provide quantitative biologists the statistical background to understand the main-stream analyses performed by Program MARK, and the familiarity with the program to perform these analyses. Participants will learn the basics of parameter estimation with likelihood theory, model selection with Akaike's Information Criterion (AIC), and the binomial and multinomial distributions. The Cormack-Jolly-Seber (CJS) mark-recapture, band (tag or ring) recovery, known fate, and closed captures models will be covered in detail. More advanced models will be described so that participants will understand the benefits of these models, but those models would not be covered extensively.

The workshop will be a combination of lectures and computer lab exercises.

**Who:** The workshop is intended for biologists with some experience in the analysis of data from marked animals (not necessarily Program MARK).

**When:** Starts 8:00 am Monday March 30, ends noon Friday April 3 with some time Friday afternoon to address specific user questions.

**Where:** Gordon Watson Conference Room  
U. S. Fish & Wildlife Service Building  
1011 E. Tudor Rd, Anchorage

**Instructor:** Gary C. White, Developer of Program MARK  
Professor Emeritus  
Colorado State University  
[Gary's webpage](#)

**Cost:** Cost for the 1-week workshop will not exceed \$900.00. The actual cost of the workshop will depend on the number of participants and the travel expenses of the instructor and teaching assistants. This fee will include all course materials, CD with Program MARK and supporting documentation and examples.

**What to bring:** Attendees are encouraged to bring their own data for analysis, but should recognize that a thorough analysis will not be completed at the workshop. Given the amount of material to be covered, attendees likely will not be able to begin analysis of their own data until Thursday afternoon.

**Registration:** Registration forms can be found at: [Alaska Chapter AFS website](#) or contact [pat.hansen@alaska.gov](mailto:pat.hansen@alaska.gov)

Registration is limited to 24 so that the instructor and 4 teaching assistants have plenty of time to interact with students and answer questions.

**Organizers:**

