Piscicide Applications Workshop (multiple presenters)
The Piscicide Applications workshop is Continuing Education course for those needing to obtain annual credits for applicator licenses in New Mexico and Arizona. Material presented will include rules and regulations, Standard Operation Procedures, Project Planning, eDNA as a s tool for monitoring and neutralization.
Fee: $25.00 for professionals and $5.00 for students
Moved to Thursday:
8:30 AM – 4:00 PM
12:00 PM – 1:00 PM Lunch

Automatic identification of animals in camera trap images using machine learning: Mikey Tabak (Quantitative Science Consulting)
This workshop will teach you how to use machine learning to classify wildlife images in the R package MLWIC. The workshop will begin with a brief introduction to machine learning and artificial neural networks. Then we will work together to classify example images using the built-in model in MLWIC. Next, you will learn how to train a new model to recognize species in new images. The remaining time in the workshop will allow you to troubleshoot running MLWIC with your own images with the package creator available to help.

No previous experience in machine learning is required, but you will need to have a very basic understanding of R for the workshop to be of value. You will want to have the following free software installed on your computer before the workshop: R, Python, Anaconda, and (optionally) R Studio.
Fee: $25.00 for professionals and $5.00 for students
Timeline:
1:00 PM – 5:00 PM

Distance Sampling for Abundance Estimation Workshop
Organizers/Presenters: Jason Carlisle (Western EcoSystems Technology, Inc.) and David Stewart (US Fish and Wildlife Service)
Distance sampling (often implemented as line-transect or point-count surveys) is a popular method of abundance estimation that corrects for imperfect detection. Conventional distance--sampling approaches have a rich history; however, a variety of analytical options currently exist, many of which rely on free Program R software. This workshop will familiarize participants with methods for distance-sampling analysis using Program R, and equip participants with the ability to identify and implement appropriate methods for given study designs.
Fee: $25.00 for professionals and $5.00 for students
Timeline:
8:00 AM – 11:50 AM