



# GLOBAL WILDLIFE RESOURCES INC.

MARK R. JOHNSON DVM, EXECUTIVE DIRECTOR

## **DOG CHEMICAL & NON-CHEMICAL CAPTURE AND HANDLING** **Maximizing Success and Minimizing the Fight** **For Animal Control Officers**

**-GENERAL COURSE OUTLINE-**  
**Mark R. Johnson DVM, Instructor**

### **INTRODUCTION**

#### **A. Instructor:**

Mark R. Johnson DVM  
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Global Wildlife Resources, Inc.  
P.O. Box 10248, Bozeman, Montana 59719-0248  
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Website: <http://wildliferesources.org/>  
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YouTube Channel: GWRFeralDogs

#### **B. Course Participants:**

Interests and expectations

#### **C. Class schedule and logistics:**

#### **D. Course objectives:**

1. List a variety of tools and techniques for catching dogs by hand in a safe, humane, and efficient manner.
2. Learn the basic techniques and practice of physical restraint including: scruff, lateral restraint, and hobbles without adding energy to any struggle.
3. Describe basic methods for setting a boxtrap and advanced techniques for catching the more difficult dogs.
4. Create and utilize local facilities for “colony captures” to capture groups or packs of dogs.
5. Be familiar with the Y pole – what it is, how it works, and how to properly use it.
6. Identify legal responsibilities associated with a chemical immobilization program.
7. Understand and discuss advantages & disadvantages of various drug delivery systems.
8. Identify the drugs used for chemical capture, understand the principles of chemical immobilization and apply the practical methods for successfully immobilizing dogs.
9. Follow safety measures which protect field personnel and the public.
10. Understand basic veterinary procedures for animal care including:
  - a. Monitoring temperature, pulse, and respiration during a chemical immobilization.
  - b. Preventing and treating simple veterinary emergencies relating to chemical immobilization.

## **PHILOSOPHIES AND PERSPECTIVES**

**A. What is our goal? (The Big Picture)**

**B. The dog**

**C. The animal handler**

**D. Connecting with the animal**

## **NON-CHEMICAL CAPTURE**

**A. Hand-catching**

1. Coated cable
2. Leash and leash muzzle
3. Snappy snare and other tools

**B. Catch Pole**

**C. Nets**

DVDs and discussion

**D. The Super Talon Netgun**

**E. Box Traps**

1. How they are built and how to assemble
2. Setting the Trap
3. Baiting

**Advanced Box Trapping**

1. Catching specific or difficult dogs
2. Different ways to use traps
  - a. Trapline
  - b. Enticing Into Trap
  - c. Double Trap
3. Checking Traps
  - a. If trap is empty
  - b. If trap has dog: options?
4. Drugging Dogs in Traps
5. Trap Covers – Important!

**F. Vari-kennel**

Using plastic Vari-kennels or similar crates as capture devices  
DVDs and discussion

## **G. Capture Pens**

Strategies and resources for capturing entire packs of dogs and systematic methods for working with these groups of dogs in confined spaces.

DVD and discussion

## **The Y Pole**

**A. What is a Y pole?**

**B. What is its purpose?**

**C. Contrast with catch pole**

**D. Basic Technique**

**E. Fine-tuning**

## **PHYSICAL RESTRAINT AND HANDLING EQUIPMENT**

Emphasizing an entirely new approach providing calm and compassionate physical control rather than forceful action.

**A. Scruffing**

**B. Lateral restraint**

**C. Hobbling**

**D. Headcover/Towel**

**E. Groundcloth**

## **CHEMICAL CAPTURE**

### **LEGAL RESPONSIBILITIES**

**A. DEA**

**B. FDA**

**C. State and County**

## **DELIVERY SYSTEMS**

**A. Anatomy of remote delivery systems**

**B. Delivery systems with powder internal charges**

**C. Delivery systems with air-pressured internal charges**

**D. Principles of Remote Drug Delivery**

**E. Direct Drug Delivery Systems**

## **LAB 1: Drug Delivery Systems Lab**

Practice drug delivery systems

Students can bring their systems as well

Cover dart diversity, loading, and maintenance

## **IMMOBILIZING DRUGS**

### **A. Terminology**

### **B. Dissociative anesthetics (Cyclohexamines)**

1. Ketamine
2. Tiletamine

### **C. Alpha-adrenergic Agonists (sedatives)**

1. Xylazine
2. Medetomidine

### **D. Alpha-adrenergic Antagonists**

1. Yohimbine
2. Tolazoline
3. Atipamezole

### **E. Accessory Drugs**

### **F. Calculating Drug Doses**

## **LAB 2: Needle and Syringes**

Learn safe and controlled use of needles and syringes

Safe recapping of needles; Handling syringe poles

## **PRINCIPLES OF IMMOBILIZATION**

### **A. Drug effects in wildlife and field signs**

1. Ketamine/xylazine effects
2. Administering the drug
3. Repeating first attempt
4. Options when anesthetized animal begins to respond

### **B. Special Notes**

1. Injection sites for darts
2. Drugs and Doses for Dogs

## **BASIC ANIMAL CARE**

- A. Ground Cloth**
- B. Body position**
- C. Eye hood**
- D. Physical Exam**
- E. Monitoring vital signs**

## **VETERINARY EMERGENCIES**

- A. Hypothermia**
- B. Hyperthermia**
- C. Shock**
- D. Bloat**
- E. Inhaling stomach contents**
- F. Seizures**
- G. Capture Myopathy**
- H. Injuries**

## **HUMAN SAFETY**

- A. Animal Handling**
- B. Preventing Human Exposure**
- C. Human First Aid**
- D. Waste Disposal**

**Group Discussion** – Spontaneous discussion of scenarios to address the specific needs of students relating to dog capture and handling for shelters, disaster response, animal rescue from puppy mills and hoarding cases, and spay/neuter programs.

**Passing out Certificate of Training**