

Full Course Curriculum

Handling and Management of Confiscated Live Wildlife and Live Wildlife Crime Scene Investigation for Wildlife Officers, Law Enforcement, and other Frontline Officers

Introduction

Module 1. How to Secure and Record Evidence during Wildlife Crime/Trade Investigations?

Part 1. Before arriving at the crime scene

- 1.1 Intelligence gathering
 - 1.1.1 Types of intelligence (includes 5WH)
 - 1.1.2 Sources of intelligence
 - 1.1.3 Intelligence analysis and use
 - 1.2 Legal considerations at crime scenes
 - 1.3 Preparation
- Quiz

Part 2. Arrival at the Crime Scene

- 2.1 Boundaries
- 2.2 Scientific method to follow for wildlife crime scene investigation
- 2.3 Safety precautions
- 2.4 Securing and protecting the scene
- 2.5 Initial walk-through and scene search
 - 2.5.1 Precautions for investigators conducting the initial walk through
 - 2.5.2 Scene Search
 - 2.5.3 Search patterns for crime scene investigation
- 2.6 Recording the evidence
 - 2.6.1 Note taking
 - 2.6.2 Photography
 - 2.6.3 Database
- 2.7 Gathering the Evidence
 - 2.7.1 Health and safety precautions
 - 2.7.2 Identification and labelling
 - 2.7.3 Transportation and storage

Quiz

Module 2 How to identify species during wildlife crime/trade investigations?

Part 1. Movement details/history

Part 2 Differentiation between Taxa (including Dichotomous Tree)

- 2.1 Fish Species Identification (including eDNA, DNA Barcoding)
- 2.2 Amphibian Identification
- 2.3 Reptile Identification
- 2.4 Bird Identification
- 2.5 Mammal Identification

Part 3 DNA testing: Brief Note

Quiz

Module 3. Sample collection and analysis

- 3.1 Sample collection for DNA analysis for Species Identification Laboratory submission
- 3.2. Types of biological evidence for DNA analyses for species identification
- 3.3. Stable isotopes
- 3.4. Faecal analysis

Quiz

Module 4. Are the animals farmed or collected from the wild?

- 4.1 Seller Assessment - Facilities & equipment
- 4.2 Animal examination
 - 4.2.1 Species
 - 4.2.2 Age
 - 4.2.3 Gender
 - 4.2.4 Markings/colouring
 - 4.2.5 Behaviour
 - 4.2.6 Body condition
 - 4.2.7 Animal identification in breeding facilities

Quiz

Handling and Management of Confiscated Live Wildlife

Module 5. Preparedness for the Confiscation and Management of Life Wildlife as Evidence

Introduction

- 5.1. Establishment of a successfully functioning confiscation management unit
- 5.2. Important Procedures For Routine Update
- 5.3. Staff Health
 - 5.3.1 Pre employment
 - 5.3.2 During Work
- 5.4. Resourcing 13
 - Resource considerations when deciding potential disposition of confiscated wildlife
 - Resources to improve Illegal Wildlife Trade detection
- 5.5. Staff training and Operational Protocols

Quiz

Module 6. Pre-seizure Planning and Preparation

- 6.1. Health Risks to Humans
 - 6.1.1 Health status of staff carrying out operations
- 6.2. Risks to Live Wildlife
- 6.3. Establishment of Operational Protocols
- Quiz

Module 7a. Protocols Required During and After Confiscation

- 7.1. Initial Assessment Protocol
- 7.2. Species Identification Protocols
- 7.3. Unique Animal Identification/ Marking and Information Collection
- 7.4. Health and Safety Protocols
 - 7.4.1 Managing biosecurity risk associated with confiscated wildlife
 - 7.4.2 Protocols for the use of Personal Protective Equipment (PPE)
 - 7.4.3 Bite/scratch protocol

Module 7b. Protocols Required During and After Confiscation

- 7.5. Handling and Restraint of Animals
 - 7.5.1 Mammals
 - 7.5.2 Birds
 - 7.5.3 Amphibians
 - 7.5.4 Reptiles
- 7.6. Wildlife Handling Equipment
 - 7.6.1 Minimum equipment list for live animal or fresh dead seizures
- 7.7. DNA Sample Collection from Confiscated Wildlife
- 7.8. Protocols for overnight/ short-term holding
- 7.9. Protocols for Wildlife Transportation
 - 7.9.1. Duration of travel
 - 7.9.2. Animals Needs
 - 7.9.3. Vehicles/Trucks/Trailers
 - 7.9.4. Transport Crate Selection
 - 7.9.5. Further information on transport crates and associated equipment
 - 7.9.6. Taxa-Specific Transport Guidelines
- Quiz

Module 8. Handling and Management of Confiscated Live Wildlife

Introduction

Planning

- Pre- seizure planning
- During Seizure
- After Seizure
- Decision making process after the seizure

Part 1: Handling and Management of Confiscated Live Birds

- Passerine
 - Initial management
 - Overview
 - Illegal Activity
 - Handling
 - Housing and Transport
 - Diet
 - Clinical Examination
 - Chemical Restraint
 - Sampling and Blood Collection
 - Identification
 - Biosecurity
 - Euthanasia
 - Recovery and Release
 - Bibliography
- Birds of Prey
 - Safe & Welfare
 - Handling
 - Preparation
 - Capture
 - When not avoid Handling
 - Handling techniques
 - Zoonoses
 - Management of Birds of Prey
 - Identification
 - Holding Facilities
 - Other Design Features
 - Hygiene
 - Behavioural Enrichment and Feeding
 - Regular Health Checks
 - Medication Administration
 - References
- Parrots
 - Overview of Parrot Trade
 - Team Needed
 - Handling Considerations
 - How to Handle Parrots
 - Management – Stabilisation and Medical Care
 - Management – Housing
 - Management – Facilities and Biosecurity

Part 2: Handling and Management of Confiscated Live Reptiles

- Turtles

- Capture, Handling and Transport
- Restraint for Physical Examination
- Management
- Identification
- Husbandry
- References
- Terrestrial Reptiles
 - General Safe and Welfare Appropriate Handling of Terrestrial Reptiles
 - Safe and Welfare Appropriate Handling of Terrestrial Reptiles: Snakes
 - Safe and Welfare Appropriate Handling of Terrestrial Reptiles: Lizards
 - Safe and Welfare Appropriate Handling of Terrestrial Reptiles: Turtles
 - Post-seizure
 - Transport
 - Management of Terrestrial Reptiles
 - Management of Terrestrial Reptiles – Husbandry
 - Facilities
 - Optimal Ambient Environment
 - Collection of Key Evidence at Scene and During Chain of Custody
 - References
- Amphibians
 - Overview
 - Planning (Pre-Seizure)
 - Handling Risks
 - Handling Equipment
 - Restraining Frogs and Toads
 - Restraining Salamanders
 - Restraining Caecilians
 - Chemical Restraint
 - Management – Transport
 - Management – Feeding
 - Housing and Water
 - Humidity, Temperature and Light
 - Example: Poison Dart Frogs (Dendrobatidae)

Part 3 : Handling and Management of Confiscated Primates

- Primates and the Wildlife Trade
- Safe and Welfare Appropriate Handling
 - Rationale
 - Staff and Animal Safety
 - Sedation
- Securing of Primates
- Quarantining of Primates
- Identification and Fitness to Survive

- Planning and Communication Structure
- Primate Animal Management
 - Detection of Any Primates at the Border
 - During Seizure
 - After Seizure of Primates or Primate Goods
- References

Part 4 : Handling and Management of Confiscated Fish

- Pre-Seizure Planning
- Post-Seizure Holding Facilities
- Fish Handling
- Fish Welfare
- Fish Euthanasia
- PPE, Biosecurity and Zoonoses
- Biosecurity and Water Filtration
- Management Considerations – Fish Confiscation
- References

Part 5 : Handling and Management of Confiscated Insects

- Pre-Seizure Planning
- The Insect Trade
- Handling of Insects
- Management of Insects

Part 6: Handling and Management of Confiscated Carnivores

- Pre-Seizure Planning
- Carnivores and Wildlife Trade
- Identify the species
- Safe and welfare-appropriate handling
- Evaluate the animal's health status²
- Safe and welfare appropriate management
- Transporting Carnivores
- Temporary Enclosure Design
- Quarantining of Carnivores
- References

Quiz

Module 9. Decision-Making Tree for Disposition of Confiscated Wildlife

9.1 Decision-Making Tree for Disposition of Confiscated Wildlife

9.2 Decision Tree for Captive Options

Quiz