INTRODUCTION

IT CAN HAPPEN ANYWHERE

HORSES AND CATTLE ARE NOT PEOPLE

THIS IS SPECIALTY TRAINING AKA TECHNICAL HEAVY RESCUE

What is TLAER???

- Technical Large Animal Emergency Rescue (TLAER) is not disaster medicine.
- TLAER does NOT refer to "rescue" of neglected, starving or abused animals
- It is the practical considerations behind the safe extrication of a live large animal from entrapments (loose on the road, upside down in ditches, stuck in mud, etc.) in local emergencies
- It is not a CART......

NFPA 1670
Chapter 17
Animal Technical Rescue

- Awareness Level
  - Recognized Need
  - ID Resources Necessary
  - Site Control and Scene Management
  - Containment, Portable Fencing, Cages, Traps
  - Recognize General Hazards and Mitigation Procedures
  - ID and Use of PPE for Animal Rescue Incident
  - Request Assistance to Determine Technical Rescue vs. Recovery
  - ID Special Equipment and Haz Mat considerations
  - Understand Political, Social and Public Safety Issues

NFPA 1670 Operations Level

- ID Needs and Implement Procedures for:
  - Risk Assessment
  - ID Body Posture Cues to Determine Animal Disposition
  - Create Improvised Restraint Device to Establish Control
  - ID Safe Attachment Points to Animal for Low Angle Extrication
  - Use of Harness, Leash, Webbing to Assist Low Angle Movement
  - Use of Animal Packaging Device or System for Low Angle Move
  - Perform Low/High Angle Lower and Raise
  - Recognize Need for Chemical Restraint
  - Alleviate Suction on Legs in Mud Rescue
  - Use Behavioral Clues for "Flight/Fight" and Know Tipping Points
  - Use of Containment Techniques for Greater Control
  - Operate Ladder to Gain Access Above and Below Grade
  - Perform Basic First Aid Using Appropriate Techniques
  - Utilize Auxiliary Equipment to Facilitate Safe Placement of Rescue Devices

NFPA 1670 Technician Level

- Organizations at this Level Shall Develop and Maintain Procedures for the Following:
  - Use designed and tested harnesses for High Angle usage
  - Perform high angle rescues
  - Using rope systems to move animals horizontally
  - Move animal in a sling system up and over edges
  - Understand animal behavior in a rope rescue system
  - Will implement procedures for cutting paths in ice rescue
  - Provide water rescue and use of sideways drag edge protection
  - Understand trailer extrication hazards – Confined Space
  - Perform Helicopter Rescue with tested lift equipment
  - Perform animal decontamination as a component of a rescue
TLAER is a Specialty Operation !!!!

- Normally 5-6 Hour Duration
- Numerous resources may be needed
  - Heavy earth movement equipment
  - Animal control officers
  - Heavy rescue equipment
  - Vets, law enforcement, fire and rescue
  - Can be a confined space rescue
  - THE MEDIA WILL BE THERE !!!!!
  - ICS is essential

NATURAL LAWS HAVE NO PITY

Deaths caused by bulls and cows:

2,334 deaths that occurred during the production of crops and animals in the U.S. between 2003 and 2007.

5%, or 108, involved cattle as either the primary or secondary cause, that's a yearly average of about 22 deaths caused by cattle.

- Report published by the Centers for Disease Control and Prevention
- U.S. Department of Health and Human Service.

DID YOU KNOW

That more people are attacked by cows rather than sharks.

Motorcycle riders average an injury once every 7,000 hours

Horse-related accidents occur once every 350 hours

What can happen??
Horse trapped in a tree.

Photo Courtesy Anthony Hatch, NSW Fire Brigade

TRAPPED IN ????????????

- Horse trapped on a railroad bridge
  Mexico
- "Dottie" the cow stuck in a mud hole for nearly 6 hrs. Sperryville, Virginia

Trailner Incident
I-81 in VA, 2011

Overturned Horse Trailer, Davie, FL, 2010

Horse: noun
A four-legged mammal looking for an inconvenient place and an expensive way to die. Any day they choose not to execute their Master Plan is just more time to perfect it.

An animal emergency is a human emergency
Anyone can be hurt or worse......SOME INCIDENTS SHOULD BE CONSIDERED AS “A CONFINED SPACE RESCUE”

- Unsafe procedures or equipment
- Poor communication with other agencies
- Minimal training in large animal handling, medical issues and prey animal behavior

SAFETY ZONES

TLAER Teams in USA

- States: KY, GA, VA, CA, MO, FL, SC, NC, ME, TX, CO
- FEMA USAR teams with some TLAER training: 8
- Number of people trained in USA: Over 4,000
- Number of people trained in Virginia (OPS level): 402
- Teams in other countries: France, UK, Australia, Germany, Switzerland

Professionalism

2012 Courtesy Bill Brouss MILTON Fire Rescue, Georgia
Always a Media Event regardless of the animals size!!!!!!!

Little Fork Volunteer Fire & Rescue Company Technical Large Animal Emergency Rescue Team

Little Fork Volunteer Fire and Rescue Company Technical Large Animal Emergency Rescue Team

We have 23 TLAER Certified Volunteer Technicians
- All are either EMT or FF certified – most are both
- Trained as TLAER Technicians at the Va. Tech MARE Center in Middleburg, Virginia.
- All are ICS Certified.
- Covered by Workers Compensation and wrap-around insurance.
- Sovereign Immunity coverage.
- Command Officers minimally certified as Fire Officer I
- Dispatched by the Culpeper County 911 dispatch center.

Other components include:

Old Waterloo Equine Clinic

Old Waterloo Equine Clinic (OWEC), based in central Fauquier County, Virginia, was founded in 1981. The practice now has three highly trained equine veterinarians and a clinic, surgery, and reproduction center serving the needs of Virginia horse country in Fauquier, Culpeper, Loudoun, Prince William, Stafford and Clarke counties and surrounding areas.

Code of Virginia

- § 8.01-225.2. Immunity for those rendering emergency care to animals.

Any person, including a person licensed to practice veterinary medicine, who in good faith and without compensation renders emergency care or treatment to an injured animal at the scene of an emergency or accident shall not be liable for any injuries to such animals resulting from the rendering of such care or treatment.

Code of Virginia

- § 3.2-6566. Preventing cruelty to animals; interference; penalty. Each animal control officer, humane investigator or State Veterinarian's representative shall interfere to prevent the perpetration of any act of cruelty upon any animal in his presence. Any person who shall interfere with or obstruct any humane investigator or State Veterinarian's representative in the discharge of his duties, or shall be so authorized and prescribed by law is guilty of a Class 1 misdemeanor.

- § 3.2-6570. Cruelty to animals; penalty.
A. Any person who: (i) overrides, overdrives, overloads, tortures, ill-treats, abandons, willfully inflicts inhumane injury or pain not connected with bona fide scientific or medical experimentation or cruelly or unnecessarily treats, maims, tortures, or kills any animal, whether belonging to himself or another; (ii) deprives any animal of necessary food, drink, shelter or emergency veterinary treatment; (iii) sores any equine for any purpose or administers drugs or medications to alter or mask such soreness for the purpose of sale, show, or exhibition of any kind, unless such administration of drugs or medications is within the context of a veterinary client-patient relationship and solely for therapeutic purposes; (iv) willfully sets on foot, instigates, engages in, or in any way furthers any act of cruelty to any animal; (v) carries or causes to be carried by any vehicle, vessel or otherwise any animal in such cruel, brutal, or inhumane manner, so as to produce torture or unnecessary suffering; or (vi) causes any of the above things, or being the owner of such animal permits such acts to be done by another to guilty of a Class 1 misdemeanor.
Little Fork’s Technical Large Animal Rescue Team

Additional Apparatus and Equipment

Animal Rescue Path Water Rescue Harness

Tripod -- 20’ Lift
Utilizes a 2 ton chain hoist

Technical Large Animal Emergency Rescue Team Training
Animal Behavior Training

Technical Rescue Techniques

Animal Movement Techniques

Animal Handling Training

January 11, 2015 – Horse trapped on ice – Stafford County, Virginia aka ……Curious George Incident
Rescue glide set up

April 12, 2015
Assist Culpeper VFC
“Horse Trapped on Wire”

911 caller reported that her horse was trapped on wire and as she hung up...he fell....

We estimated that “Buddy” had been trapped most of the night.
Vet sedated Buddy and we used Plan B for extrication

Plan B

2 Hour Extrication Incident

Resources Used:

- CCVFD Rescue Engine
- Equine 1209
- Rescue 1209
- Chief 1209
- LART Vet
- Dominion Electric
- Culpeper County Animal Control Officer

The BIGGEST obstacles are HUMAN FACTORS:

- FRANTIC, DISTRESSED
- OWNERS AND BYSTANDERS
- “I know horses... I own /or use to own one......
- EMERGENCY RESPONSE PERSONNEL THAT ARE INEXPERIENCED IN LARGE ANIMAL RESCUE ASPECTS

Most Firefighter and EMS Personnel Exposure to Equines
Always wear protective gear!!
Alexis story—November 26, 2015

INHERENT DANGER OF LARGE ANIMALS

People who work with large animals must realize that it is impossible to make horse or cattle handling completely safe.

A well-trained, normally calm horse or cow can spook unexpectedly.

The risk can never be totally eliminated.

ANIMALS are INDIVIDUALS!

UNPREDICTABLE!

Please......be careful!!

THANK YOU !!!!
“Dedicated to man and animal alike”