

# Technical Large Animal Emergency Rescue Equipment Recommendations

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NOTE: The equipment listed below is intended for use by personnel with certified training in technical large animal emergency rescue. Use of this equipment without adequate training can result in serious injury or death.

## Personal Gear Recommendations

### **Basic:**

Gloves  
Boots (with or without steel toe)  
Protective headwear (helmet with chinstrap; firefighter or OSHA approved is preferred)  
Jacket or Vest (Brightly colored and Reflective)  
Goggles  
Knife or Leatherman type multi-tool  
Ear protection  
Urban Type uniform (T-shirt, BDU pants, boots) with your logo to identify yourself  
Primary and Secondary ID Badge / Card (one for self on scene and 2nd for “manpower accountability”)  
Level C HazMat suits, gloves, goggles or mask

### **Advanced: MUST HAVE PREVIOUS CERTIFIED TRAINING in these specialties!**

Protective fire clothing (wildland fire / Nomex-type reflective clothing is very suitable)  
Human Body Harness (NFPA class II/III)  
Vests with Identification  
Level A/B/C HazMat suit  
Swift / flood water rescue gear (personal flotation device, wet and/or dry suit, boots, water helmet, gloves, throw bag) certification required  
Surface ice rescue gear (personal flotation device, surface ice rescue suit, boots, helmet) certification required

## **TLAER Rescue Equipment**

### **Basic:**

1 - Large Animal First Aid Kit (get with local large animal vet for recommendations)  
3 - Emergency rope halter (7 mm prussic cord halter / 1/2" kernmantle rescue rope to make a 12 to 15 foot lead)  
2 – 30' x 4" nylon web with sewn loops on each end  
4 - 20' of 4" wide firehose or nylon web with sewn loops on each end  
(If you need certified web slings, call New Haven Moving Equipment Co.)  
2 – Sets of fleece-lined heavy duty hobbles

3 – Gallon of water-based lubricant (OB lube)  
6 – 6' to 8' Prusik loops of 1/2" static kernmantle rope (usually slightly smaller than the diameter of the rope attached to) <http://www.rocknrescue.com/acatalog/Prussik-Loop-Material-Guide.html>  
Need 2 sets of Prusiks of each length to provide the pairing  
1 – 10 m x 10 cm nylon webbing with sewn loops on each end  
1 – Santa Barbara sling (leather or nylon)  
1 - Insulated horse blanket  
4 – 2 m of 10 cm wide fire-hose web with sewn loops on each end  
4 – 1.2 m of 10 cm wide fire-hose web with sewn loops on each end  
1 – Spread bar for vertical lift (aluminum or steel)  
1 – Fleece-lined breast collar (with sturdy hardware)  
2 – Set of fleece-lined hobbles  
3 – 4 liter (1 gallon) jug of water-based lubricant or liquid soap  
1 – Horse head protection (or human life vest, towel, sweat shirt, etc.)  
Large animal physical restraint (twitch, Stableizer®, etc.)  
12 - Steel cattle panels  
1 – Leg handling cane (extendable to 6 feet)  
1- Boat hook (extendable to 10 feet) or pike pole (Long painters' poles with interchangeable accessories (cutters, carabiner hold-open, S-hook, etc.))  
1- King size bed sheet (dark color) or painter's drop cloth of heavy thickness (dark colored)  
1- Nickopolous needle (conduit or stainless steel, bent into the shape of a "C", with or without water hose / air hose attachment)  
1 set – Air injectors 4 feet long with air lines and manifold/regulator  
1 set – Water injectors / Mud Lances 4 feet long and manifold/regulator  
1 - Portable air tank or air bottle from Fire service  
1 – Hampshire Strop guide (steel 3 inch flat that is 6 feet long, cold rolled to maintain shape, with handle)  
Assorted tools (shovels, hand saws, screwdrivers, chain saw, etc)  
12 – Large steel carabiners (1.45" gate opening)  
2 – 100' of 1/2" kernmantle rescue rope  
1 - Cordless reciprocating saw of GOOD QUALITY with carbide blades and batteries  
1 - Insulated horse blanket  
2 - Rolls of Duct tape  
various - chocks, shoring and cribbing / lumber pieces of various sizes  
Resource Manual (List of local and regional contacts for responding veterinarians, people with trailers and cattle panels, etc.)  
Backboards / "Pig Boards" or something similar  
Various Straps (Tow straps / Ratchet Straps)  
Heavy Duty Tarps (if needed to lay on ground to protect animal when dragging or placement is on hot / cold surface)  
Fleece / Wool lined Shipping Boots (for leg protection and padding if needed)  
Water Bucket / Container (or buckets for various purposes as well) Hay / Treats  
Copy of SOPs / SOGs (to show emergency services on scene what the "BASIC plan of action" is and what is needed to perform the rescue)

1 – Containment portable fence (5' x 110' polygrid or snow fence with PVC supports)

**Intermediate:**

1 – Kimzey® aluminum leg splint  
9 – Leg splints of different sized made of 4" PVC pipe  
1 – Portable winch (minimum 3000 lbs.)  
1 – 9:1 1/2" rope anchor system (with 2 double pulleys and prussik loops)  
1 – 300' of 1/2" Kernmantle rope  
1- Becker simple web vertical lift sling  
1 – Spread bar with snap shackles for vertical lift, prefer Sea Catch for release  
4 – 6' of 5" wide firehose web with sewn loops on each end  
4 – 4' of 5" wide firehose web with sewn loops on each end  
1 – Fleece-lined or Neoprene breast collar (with sturdy hardware)  
1 – Rescue Glide Sked kit with accessories  
1 - Set of 2 way Radios or Walkie Talkies for communication (4 minimum for IC, Ops, Safety, and Logistics)  
12 – Large steel carabiners (4 cm gate opening)  
1 – 5 m supply air-inflatable fire-hose with Storz caps to make Equine Floation Device  
1 – Becker Surcingle for Equine Floation Device  
2+ - Sheets of plywood  
Copy of SOPs / SOGs (to show emergency services onscene what the "INTERMEDIATE plan of action" is and what is needed to perform the rescue)

**Advanced:**

1 – Anderson® sling with accessories for vertical helicopter lift  
1 – Power generator to provide lighting and electrical for extrication equipment  
1 - Set of Portable Flood lights  
1 – All-terrain vehicle with winch  
1 - Large Animal Ambulance (4 horse stock trailer with ramp and truck)  
1 - Equine Flotation Device (life jackets, helmets, gloves, dry suits, floating rope)  
1 - Captive Bolt heavy duty (Humane Euthanasia Device)  
Copy of SOPs / SOGs (to show emergency services onscene what the "ADVANCED plan of action" is and what is needed to perform the rescue)  
1 – Randy the Rescue Manniken ([http://www.tlaer.org/Rescue\\_Randy\\_Home.html](http://www.tlaer.org/Rescue_Randy_Home.html) and tell them Rebecca Gimenez sent you) OR:  
1 – Gimenez Mud Rescue Horse (55 gallon drum with PVC head and neck and wooden legs)  
Lots of extras – you could get into lots more rope, rope bags, ladder belts for edge safety, canvas edge pads to protect the ropes.  
1 – A-frame (steel or aluminum) and / or Tripod (16 feet high minimum)  
1 - Gathering plates  
1 set - Anchor straps  
1 – Friction Brake – rack or Tube  
1 – 300 foot 5/8th inch lines for the A frame  
2 – low pressure air bags

1 – high pressure air bags  
Various Rescue and belay packs to lower rescuers

**Miscellaneous:**

Rope identification labels  
Liquid detergent and long-handled brushes  
Inventory tags  
Backpack-type rescue storage bags  
Car-size tire inner tubes with can of Fix-a-flat  
3 – 8' x 10' waterproof canvas tarps for staging equipment  
1 - Catch pole for small animals and crates for safely transporting them  
Digital camera for documentation  
Video camera for documentation  
Transport boxes for equipment  
Chemical capture equipment (consult your veterinarian and get certification training for this)  
Caution Tape // Do Not Cross Tape  
Notebook or other essentials needed for documentation purposes  
Liability / Permission Form