



## LARGE ANIMAL RESCUE RECOMMENDED EQUIPMENT LIST

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

THE RECOMMENDED EQUIPMENT THAT IS **HIGHLIGHTED** CAN BE PURCHASED FROM 4HOOVES LARGE ANIMAL SERVICES THROUGH OUR ONLINE STORE ON OUR WEBSITE (WWW.4HOOVESMART.COM)

### SAFETY EQUIPMENT (Human and Animal)

- Human Personal Protective Equipment (**Helmets**, Gloves, Eye Protection, Personal Floatation Devices / Life Jackets, Safety Harnesses, etc.)
- Animal Protective Equipment - **Horse Head Protector** / **Animal Head Carry Device** (commercially manufactured or a child / adult sized life jacket, blanket, medical carry tarp, etc.)
- **Identifying Vests** for easy responder role identification on an incident scene when working with unfamiliar mutual aid or outside resources ( **vests with labels for IC, OPS, Safety Officer, Animal Handler, Animal Rescue, Vet, Logistics**, etc.)
- Animal and Human Aid Bag (i.e. bandaging, hemorrhage control, wound irrigation, vital sign assessment, blankets, etc.)
- Battery Operated Handheld Radio Communication System (recommended greater than 1-mile serviceable distance)

### BASIC AND RESOURCED EQUIPMENT (Equipment purchased, on-hand, or provided by other resources as needed)

- Tarps (large enough to cover deceased large animals and to use for staging equipment, etc.)
- Hand Tools (shovels, saws, hammers, fence tool, wire cutters, axes, hatchets, loppers, pry bar, etc.)
- Battery Operated Tools (reciprocating saw with various blade types, drill, grinder with various discs, impact wrench, etc.)
- Portable Lights / Flashlights / Headlamps
- Extension Ladder
- Animal Restraint Catch Pull (usually sourced from Animal Control)
- Portable Winch (rated for load)
- Chain Hoist (rated for load)
- Fans for Cooling
- Buckets (for water – large sturdy buckets and collapsible buckets)
- Generator (for remote locations where vehicle access is limited)
- Pop-Up Tent (typically 10FT x 10FT or larger to provide shade for the animal or rehab area for personnel)
- Cribbing (Wood Blocks), Wheel Chocks, Air Bags, or other stabilization tools
- Backboards / Plywood (to cover holes, overturned trailer windows, etc. during extrication or rescue or use as shoring boards to distribute weight in unstable ground situations or for use as “pig-boards” to herd smaller livestock animals)
- Rubber Mats (rolled rubber matting, square or rectangle stall mats, etc. to provide traction on slick surfaces)
- **Emergency Rope Halters**, Livestock Halters (various species and sizes) and Lead Ropes (at least 10 feet long)
- Crops, Buggy Whips, Equine Training Devices, Cattle Paddles, etc. (to help stimulate movement of large animals when necessary or defend personal space)
- Blankets (silver emergency blankets, horse blankets, etc.)
- Local Resource List (livestock handlers, horse transporters, livestock transporters, beekeepers, exotic / wildlife animal handlers, veterinarians (various species), heavy equipment companies and operators, temporary stabling/housing or containment locations, carcass removal, large wreckers, abattoirs (slaughter facilities), all-terrain vehicles and operators, certified chemical immobilization (darting) professionals, septic tank companies, etc.)
- **Rope Lengths** (Rated 7/16in, 1/2in or 5/8in Static Kernmantle Rescue Rope for Lifts/Drags or Utility Rope for tag lines)
- **Rope and Equipment Bags**
- **Webbing Straps** – At least two **3-4-inch-wide by 30 feet long with loops on both ends.**
- **Arm Extensions** (Pike pole, boat hook, **5FT & 8FT Extension Hook**, cane, or other commercially manufactured equipment)
- **Strap Guide / Needle Guide / Nicopolous Needle Webbing Application Tools**
- **Temporary Containment Fencing** (corral panels, **LAR containment and relocation fencing**, homemade fencing, etc.)



### COMMONLY USED SPECIALIZED EQUIPMENT (Specialized equipment used on the most common rescue operations)

- **Large Animal Relocator Sked / Rescue Glide**, at least one **Secondary Support Sheet / Slip Sheet** (Homemade or commercially manufactured), **Large Animal Relocator Sked / Rescue Glide Accessory Kit** (animal attachment straps, hobbles with rope and pulley, head strap, protective pads, and webbing lengths)
- **Extender Sheet** (A 4FT x 4FT extension sheet made of the same durable material as the Large Animal Relocator Sked. Holes around the perimeter allow for the attachment of the Extender Sheet to the Sked for added length or width. Can also be used as a barrier / edge board or to assist with herding animals or blocking routes of escape when attempting to contain animals)
- **Barrier / Edge Board** (A 2FT x 4FT barrier or edge sheet made of the same durable material as the Large Animal Relocator Sked. Holes around the perimeter allow for the attachment of the Barrier / Edge Board to the Sked for added length or width. Can also be used as a barrier / edge board to protect against edges when relocating animals or to distribute weight when working on unstable ground)
- **Simple Vertical Lift System complete with Sling** (System should have a **Girth Torso Strap / Flank Torso Strap / Front Chest Strap / Rear Butt Strap**), **Spreadbar, Rated Rope, Carabiners, and Rigging Hardware for Lift or Mechanical Advantage System** (**Häst Becker Sling and Spreadbar System, ResQuip Sling, or other commercially manufactured system, etc.** – DO NOT PURCHASE OR USE A LONG-TERM HOSPITALIZATION SLING SUCH AS THE ANDERSON OR LIFTEX SLINGS WHICH ARE DIFFICULT TO USE IN A RESCUE OPERATION THEREFORE ARE NOT RECOMMENDED FOR RESCUE OPERATIONS UNLESS AS A LAST RESORT OR ONLY OPTION AVAILABLE)
- **Minimum 4:1 Lift / Drag Mechanical Advantage System** (All Rated Equipment - **300-foot ½ inch Static Kernmantle rescue rope, pulleys, carabiners, progress capture devices, etc.**)
- **Mud Lances with operating attachments for Air and/or Water, Hoses, and Air and/or Water Manifold**
- **SCBA / Portable Air Tanks / Air Compressor** (for mud lances, Nicopolous Needle, air bags, etc.)

### UTILIZED ADVANCED SPECIALIZED EQUIPMENT (Specialized equipment that is used occasionally and a great addition to an equipment cache' but not necessarily required for most large animal rescue operations)

- **Rescue Clip with Extension Pole**
- **Air Bags**
- **Water Rescue Harness** or **Animal Floatation Device**
- **Portable Anchor System** (**Anchor Bar with Stakes, Anchor Sling with D-Rings, Picket System, etc.**)
- **Monopole / Bipod / Tripod Lift System** (or access to heavy equipment capable of safely lifting a large animal)
- **Large Animal Extremity Splints** (commercially manufactured or homemade)

### ADDITIONAL EQUIPMENT

- Additional **Webbing Straps of various widths and lengths** (Animal Manipulation & Maneuvering, Anchors, Tag Lines, etc.)
- Additional **Carabiners** (rated for load – steel and aluminum – locking gate)
- Additional **Pulleys and other Rigging Hardware** to set up basic change of direction and mechanical advantage systems
- Additional **Rope Lengths** (**Rated 7/16in, 1/2in or 5/8in Static Kernmantle Rescue Rope** and/or **Non-Rated Utility Rope**)