The following is a list of recommended equipment for personal and/or team animal search and rescue (ASAR) use. This list is not intended to be all-inclusive and is only meant to serve as a guide to aid responders with ASAR activities. Having the equipment doesn’t necessarily mean a responder has learned the competencies needed to complete a given rescue or mission, so proper training should be taken in the appropriate disciplines to ensure safety and protection.

**Personal Field Equipment**

**Note: Field equipment should be kept in close proximity to responders at all times.**

Below is a recommended list of personal items to be carried into the field for personal safety and comfort in most situations. By acquiring experience in a given environment, a responder will learn to build his or her field pack based on what is needed and what may be needed for contingencies when things don’t go as planned.

**Questions to consider when packing gear:**

* How long will you be in the field?
* How far will you travel?
* How far away from additional resources will you be?
* What is the weather now and forecasted to be?
* What does the terrain look like?
* Will there be technical challenges?
* What could go wrong?

Reviewing these questions while keeping in mind the weight and size of your pack will help you to be a more effective rescuer in a given environment.

**When building your personal kit, keep these 10 essentials in mind:**

Navigation (map and compass)

Sun Protection (sun block, sun glasses, hat)

Insulation (extra clothes adequate for climate)

Illumination (Headlamp/ flashlight and extra batteries)

First Aid Kit

Fire (waterproof matches/ lighter/ candle/fire starter)

Repair Kit/ Tools (knife/ duct tape)

Nutrition (extra food)

Hydration (extra water)

Emergency Shelter (space blanket/ tarp/ tent)

(See <http://www.rei.com/learn/expert-advice/ten-essentials.html> for more details on these essentials)

**(Urban) Personal Search and Rescue (SAR) Equipment**

(adapted from National Association for Search and Rescue equipment list)

Items may be in pack or on person**.**

**Personal First Aid and Survival Kit Recommendations**

**Note: Inform fellow team-members, especially team lead, of any relevant medical conditions.**

**First Aid Kit**

2 - Surgical/ Exam/ Nitrile gloves

1- Personal medications, 24-hour supply

4 - Acetaminophen or aspirin tablets

4 - Antacid tablets

2 - Antihistamine, 25mg Benadryl

2 - Antiseptic cleansing pads

1 - Antiseptic ointment

6 - Band aids, various sizes

1 - Roller gauze bandage

1 – Moleskin

2 - Triangle Bandages/ Cravats

1 - Splinter forceps, tweezers

1 - Candle, long burning

2 - Cotton swabs, non-sterile

1 - Duct tape, 5-10 ft.

1 - Leaf bag, large

8 - Matches in a waterproof container/ disposable lighter

2 - Quarters for phone call

1 - Razor blade, single edge safety type

2 - Safety pins, large

1 - Space type blanket or space type sleeping bag

1 - Whistle

1 - Towelette, clean

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**1 - Pack, 600-1200 cubic inch**

1 - Helmet (Minimum construction Hard Hat, climbing type preferred)

4 - Bags, various sizes, zip locked

1 - Bandanna, handkerchief

1 - Plastic bag, zip lock, quart size, for kit

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**Survival Kit**

1 - Cap or other headwear

1 - Clothing, adequate for climate, such as cargo pants, rain jacket (avoid cotton long-sleeve shirts and long pants, including jeans, as they take too long to dry when wet)

1 - Compass, orienteering

1 - Flagging tape, roll

1 - Flashlight or lantern

1 – Ear plugs

1 - Goggles, or eye protection, clear 1 – Work Gloves

1 - Footwear, sturdy, adequate for climate, puncture resistant soles (wool or synthetic socks)

1 - Knife, multi-purpose

1 - Map

1 - Mirror, small

1 - SAR personal identification

1 - Small pad and pencil

1 - Sunglasses, 97% UV protection

1 - Sunscreen (SPF 15 or greater)

1 - Tissue paper or baby wipes

1 - Waterless hand cleaner/sanitizer

1 - Tracking stick, 42" long

1 - Watch

1 - Water container, at least liter size

2 – Slip leads

**Non-Urban SAR; Wilderness SAR Personal Equipment (in addition to USAR Pack) Adapted from NASAR equipment list)**

**1 - Pack, 1800 cubic inch (minimum)**

2 - Carabineers, locking gate

1 - Clothes bag, waterproof

1 - Clothing, extra set, suitable for climate (Avoid Cotton)

1 - Flashlight extra, extra batteries and bulb

1 - Gloves, durable, even in summer

1 - Insect repellent

1 - Lip balm, with sunscreen

1 - Measuring device, 18 in. minimum

1 - Metal cup or pot

1 - Nylon twine or small rope, 50 feet

2 - Prusik cords (6mm – 8mm; 6 ft. length)

1 - Shelter Material 8 x10 plastic or coated nylon

1 - Scissors, multi-purpose

1 - Socks, extra pair (wool or synthetic)

2 - Water containers, at least liter size 1- Trail snacks

2 - Food, nonperishable 1- Water purification tabs

1- Foam pad

8 - Wire ties, plastic, self-locking

1 - Webbing, 1” tubular - length suitable for harness

1 - Wire, 5-10 ft., woven steel

**Additional Personal Gear to consider**

Toilet Paper in Ziploc type baggie

Toothpaste and Toothbrush

Deodorant

Brush/comb

Feminine sanitary products and plastic Ziploc

Spare prescription glasses, contact solution

Shaving supplies

**Team Gear: Suggestions**

**Note: Depending on the team’s task, these would be on truck or available from base/staging. Appropriate equipment should be available based on training and certification level. Equipment needs will vary greatly depending on mission assignment.**

(Some items may appear in multiple lists)

[Personal Protection Equipment (PPE](#PPE))

[Vehicle supplies and tools](#Vehicle)

[Medical](#Medical)

[Animal/ Patient Treatment](#Animal)

[Communications](#Communications)

[Location/ Navigation](#Location)

[Forms](#Forms)

[Assessment](#Assessment)

[Documentation](#Documentation)

[Shelter in Place](#Shelter)

Companion Animals

Livestock

[Capture](#Capture)

Companion Animals

[Livestock](#CaptureLS)

[Technical Rescue](#Technical)

[Wildland Fire](#Wildlandfire)

[Low Angle Rescue](#LowAngleRescue)

[High Angle Rescue](#HAR)

[Large Animal Rescue](#LAR)

[Flat Water Rescue](#FWR)

[Swift Water Rescue](#SWR)

[Confined Space Rescue](#ConfinedSR)

[Collapsed Structure Rescue](#CollapsedSR)

[Decontamination](#Decontamination)

[Hazmat](#Hazmat)

[Transport](#Transport)

Companion Animals

Large animal/ Livestock

[Survival/ Self Sustainability](#Survival)

Water/ Food/ Shelter

**[Personal Protection Equipment (PPE)](#PPE2)**

**Note: Ensure that there is enough equipment for each person on the Team**

**Urban uniform**

Identification

Long sleeve shirt

BDU pants (Battle Dress uniform/ military type cargo pants)

Sturdy foot ware with ankle protection (water proof/ resistant highly recommended)

Work gloves

Eye protection

Hearing protection

Hat (environmental protection, either sun, rain, or cold)

Helmet (may be specific to discipline involved in)

Whistle

Knee pads

N95 dust mask or better respirators

Surgical/Exam gloves/ Nitrile/ Latex gloves

First aid kit (larger and better stocked than personal First aid kit)

Sunscreen (SPF 15 or greater)

Insect repellant

Collapsible baton/ Bite stick

Tyvek suits and booties

Rubber boots

Kevlar/ Bite gloves

Bear spray

**Wildland Fire**

Non-melting base layer (cotton or treated blend of synthetic cotton blend labeled as non-melting)

Nomex IIIR (approved fire resistant material) outer layer

Long sleeve shirt

Pants

Face and neck shroud

Helmet (NFPA 1977 approved)

Eye protection “splash guard” goggles

Hearing protection

8” or higher leather boots with leather laces and Vibrams soles

Leather gloves chrome-tanning (resists heat shrinkage and stretching when wet) or appropriate approved alternative

Surgical/Exam gloves/ Nitrile/ Latex gloves

First Aid kit (larger and better stocked than personal First aid kit)

Sunscreen (SPF 15 or greater)

Insect repellant

Collapsible baton/ Bite stick

Whistle

Bandana

Fire shelter

[**See** **http://www.nfpa.org/catalog/product.asp?pid=197711&cookie%5Ftest=1**](file:///\\MDRDFS11\Info\PPD%20-%20Policy%20and%20Program%20Development\RAD%20-%20Regulatory%20Analysis%20Development\DOCKETS\Writers'%20Working%20Drafts\Hardin\AC%20Emergency%20Programs\2014%20BPWG%20drafts\See%20http:\www.nfpa.org\catalog\product.asp%3fpid=197711&cookie_test=1) **catalog for obtaining equipment.**

**Rope Rescue**

**Urban uniform**

Helmet with chin strap (Climbing Type)

Harness

**Large Animal Rescue**

**Urban uniform**

Helmet with chin strap

Harness

**Water Flat/ Swift**

**Urban uniform**

Helmet (approved for water rescue/ no brim)

PFD (type III/V)

Knife

Whistle

Emergency beacon

Throw bags

Rubber boots

Waders

Wet suit (only in non-contaminated water, used as a thermal barrier)

Dry suit

Booties with puncture-resistant sole

**Confined Space Rescue / Collapsed Structure Rescue**

**Urban uniform**

**Decontamination/ Hazmat (appropriate equipment based on training and certification level. Equipment needs will vary greatly depending on mission assignment)**

See <https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9767> for more details.

**Level D (A work uniform affording minimal protection: used for nuisance contamination only), as appropriate**

**Urban uniform**

Coveralls

Chemical resistant apron

Gloves

Boots/shoes, chemical-resistant

Boots, outer, chemical resistant (disposable)

Safety glasses or chemical splash goggles

Hard hat

Escape mask

Face shield

**Level C (The concentrations and types of airborne substances are known and the criteria for using air purifying respirators are met), as appropriate**

Full-face or half-mask, air purifying respirators (NIOSH approved)

Hooded chemical-resistant clothing

Coveralls

Gloves, outer, chemical-resistant

Gloves, inner, chemical-resistant

Boots, outer, chemical-resistant

Boot-covers, outer, chemical-resistant

Hard hat

Escape mask

Face shield

**Level B (The highest level of respiratory protection is necessary but a lesser level of skin protection is needed), as appropriate**

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (National Institute for Occupational Safety and Health (NIOSH) approved)

Hooded chemical-resistant clothing

Coveralls

Gloves, outer, chemical-resistant

Gloves, inner, chemical-resistant

Boots, outer, chemical-resistant

Boot-covers, outer, chemical-resistant

Hard hat

Escape mask

Face shield

**Level A (To be selected when the greatest level of skin, respiratory, and eye protection is required), as appropriate**

Positive pressure, full face-piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA, approved by NIOSH

Totally-encapsulating chemical-protective suit

Coveralls

Long underwear

Gloves, outer, chemical-resistant

Gloves, inner, chemical-resistant

Boots, chemical-resistant, steel toe and shank

Hard hat (under suit)

Disposable protective suit, gloves and boots (depending on suit construction, may be worn over totally-encapsulating suit

[**Vehicle**](#Vehicle2) **supplies and tools**

Registration

Insurance

Emergency contact list and numbers

Emergency care locations and contact info

First aid kit

Hand sanitizer

Paper towels

Baby wipes

Fire extinguisher

Fuses

Spare light bulbs

Spare tire

Jerry can for extra fuel

Quart of oil

Windshield washer fluid

Funnel

Zip ties

Bailing wire

Duct tape

Electrical tape

Rope (paracord)

Emergency cones/ triangles

Flares

Ice scraper

Ziploc bags various sizes

Trash bags

Food and water

Maps

Disposable camera

**Tools**

Tool bag/ box

Screw drivers, Philips and Flat varying sizes

Adjustable pliers

Adjustable wrench (Crescent tm)

Wire cutters

Socket set (SAE and Metric)

Bolt cutter

Pry bar

Hammer

Flash light (plus extra batteries)

Jumper cables

12volt jumper box

Tire pressure gauge rated for the vehicle’s tires

Tire Plug kit

12 volt air compressor

Shovel

Gloves

[**Medical**](#Medical2) **Needs**

Team medical protocols

Emergency care locations and contact info

Emergency contact information

First Aid kit

C-collar

Splinting material (SAM splint)

Wound care

Bandages

Roller gauze

Eye wash

Oxygen and masks

**[Animal/ Patient Treatment](#Animal2) Needs**

Medical protocols for treatment and evacuation

Emergency care locations and contact info

Water

Animal first aid Kit

Wound care kits (4x4 bandage, vet rap, rolled gauze for muzzles)

Basic first aid (bandages, splints, gauze pads, rolled gauze,

Pain management drugs

Commercial muzzles, varying sizes

Eye wash

Tranquilizer drugs - Carried and administered by trained, certified and licensed personnel only and only in accordance with local, state and federal laws.

Humane euthanasia equipment and drugs (Sodium Pentobarbital) - Carried and administered by trained, certified and licensed personnel only and only in accordance with local, state and federal laws.

Animal Stretcher/ ½ SKED

**[Communications](#Communications2) Needs**

Whistles

Cell phones; Contact list with phone numbers

Air horn

Bull horn

Walkie talkies

FRS radios

Nextel

Handheld radios (VHF, UHF, 700, 800, or whatever frequency is used in the area); and list of frequencies being used (from the communications plan)

Satellite phone, data

Ham radio and operators

[**Location/ Navigation**](#Location2) **Needs**

Compass (orienteering)

Local area maps in large plastic bag

Local GIS maps from Emergency Management

List of road closures and known hazards

List of local landmarks

GPS (field unit to mark coordinates) with extra batteries

GPS (Vehicle unit for Street navigation)

Head lamp with extra batteries and bulb (if not LED/ if LED spare head lamp)

Pencil, pen, marker

**[Forms](#Forms2)**

Request for Rescue (Rescue Request Share)

Notice of Removal (generic Notice Animals Removed)

Notice/ Attention of Premises Searched (generic Attention premises Searched)

Shelter in Place (draft animal sticker)

Animal Assessment/ Medical

Change of Status (Animal Status Change Share)

Transportation/ Evacuation Manifest (Evacuation Manifesto)

General Notice of Animal Emergency Shelter Locations (generic Notice of animal shelter location)

(ICS Forms can be found at <http://training.fema.gov/EMIWeb/is/ICSResource/icsforms.htm>)

Form 201 Briefing

Form 202 Objectives

Form 203 Organization Assignment List

Form 204 Assignment List

Form 205 Radio Communications List

Form 205A Communications List

Form 206 Medical Plan

Form 207 Org Chart

Form 208 Safety Message

Form 214 Activity Log

Form 215 Operational Planning Worksheet

Form 215A Incident Action Plan Safety Analysis

[**Assessment**](#Assessment2) **Needs**

Marking guide (Animal Marking Triangle)

Entry marking supplies

Spray paints

Markers

Paper

Plastic baggies

Duct tape

Note pads

Writing instrument

Flagging tape

[**Documentation**](#Documentation2) **Needs**

Note taking items

Clip board

Note pad

Pencils

Pens

Marker

Tyvek identification collars

**[Shelter in Place](#Shelter2) Needs**

**Shelter in Place for Companion Animals**

Water to leave at locations (bulk)

Dry dog and cat food

Flour (for lying down next to food and water bowls to verify animals’ presence at location)

[Forms](#Forms) to track frequency of welfare checks and care

Tyvek identification collars

**Shelter in Place for Livestock**

Water to leave at locations (bulk)

Hay and feed for livestock

Zip ties and bailing wire to secure enclosures for animal’s safety

[Forms](#Forms) to track frequency of welfare checks and care

[**Capture Companion Animal**](#Capture2) **Needs**

Slip leads

Catch pole

Snappy snare

Cat tongs,

Cat bag, net, pillow case

Pole net,

Reptile Hook,

Bait food,

Muzzles/leashes, varying sizes

Humane traps

Bait

Chemlights

Strobe lights/ trap marking

Injection or pole syringes,

Chemical Capture equipment and drugs - Carried and administered by trained, certified and licensed personnel only and only in accordance with local, state and federal laws.

Airline crate/ Vari-kennels varying sizes

Nylon ropes,

Flat web ropes

Carabineers,

Pulleys with ropes

Flashlight,

Bite stick

Tyvek identification collars

**[Capture Livestock](#CaptureLS2) Needs**

Large animal first aid Kit

Water

Buckets

Hay and grain/ treats

Leads

Halters, varying sizes

Hog boards

Herding fence (Temporary fence/ construction/ snow fence, rope with flagging tied on it to create visual barriers)

Portable corrals,

Blinds/masks,

Chemical capture equipment and drugs - Carried and administered by trained, certified and licensed personnel only and only in accordance with local, state and federal laws.

Flashlight

[**Technical Rescue**](#Technical2) **Needs**

**[Wildland Fire](#WildlandFire2) (NFPA 1977)**

(See <http://www.nfpa.org/catalog/product.asp?pid=197711&cookie%5Ftest=1>)

Team protocols for working in Wildland Fire environment SOPs/ SOGs

Non melting base layer (cotton or treated blend of synthetic cotton blend labeled as non-melting)

Nomex IIIR (approved fire resistant material) outer layer

Long sleeve shirt

Pants

Face and neck shroud

Helmet (NFPA 1977 approved)

Eye protection “splash guard” goggles

8” or higher leather boots with leather laces and Vibrams soles

Leather gloves chrome-tanning (resists heat shrinkage and stretching when wet) or appropriate alternative

Fire shelter

**[Low Angle Rescue](#LowAngleRescue2)**

Team protocols for Low Angle Rescue Systems and Techniques SOPs/ SOGs

½” ropes…Varying lengths 150’, 200’, 300’

Locking carabineers

Belay device

Anchor material

1” webbing

½” rope

Anchor strap

Anchor plate/ Rigging ring

Prusiks 8mm

Pickets and picket plate

Sledge hammer

Pulleys

Edge protection

Canvas pads

Rollers

Plastic rope guides

Wire Stokes-type litter

Animal stretcher/ ½ SKED

**[High Angle Rescue](#HAR2)**

(see [Low Angle Rescue](#LowAngleRescue) above for additional list of equipment)

Team protocols for High Angle rescue systems and techniques SOPs/ SOGs

High Angle litter bridle

**[Large Animal Rescue](#LAR2)**

(see Capture Livestock and Low Angle Rescue lists above for additional equipment)

Team protocols for Large Animal Rescue Systems and Techniques SOPs/ SOGs

3”- 4” Straps for assists

Hobbles,

Horse blanket

Horse head protection (humane life vest or padding)

Twitches

Leg handling cane

Boat hook or Pike pole with changeable heads (cutters, carabineer hold-open, S-hook)

Tarps and dark drop cloths

Duct tape

Rescue glide with handles

Ply wood for make shift ramp or glide

Tri-pod lift

Anderson Sling (FOAL, SMALL, LARGE), Anderson Sling helicopter cable and webbing, carabineers, Becker sling, rescue sled- straps-handles, rigging,

**Water Rescue Flat/ Swift**

**[Flat Water Rescue](#FWR2)**

Team protocols for Flat Water Rescue System and Techniques SOP/ SOG

Helmet (approved for water rescue)

PFD (type III/V)

Knife

Whistle

Emergency beacon

Water gloves Neoprene

Throw bags

Waders, knee/ thigh/ waist/ bib (situation specific)

Dry suit

Wet suit (only in non-contaminated water, used as a thermal barrier)

Booties with puncture resistant soles

Radio dry bags

Dry bags of varying size for gear

Rescue board (“boogie-board”)

Boat (stable platform) flat bottom Jon boat, commercial inflatable boat, e.g., Zodiac (mind boat’s capacities)

10-15 HP 4-stroke motor and fuel cell

Trolling motor and battery (quieter and smoother when operating in flooded neighborhoods, but doesn’t have the range of a gas powered motor)

Emergency kit for boat

Airline crate/ Vari-kennels varying sizes

Towels

**[Swift Water Rescue](#SWR2)**

(see Low Angle Rescue above for additional list of equipment)

Team protocols for Swift Water Rescue System and Techniques SOP/ SOG

Helmet (approved for water rescue)

PFD (type III/V) Live Bait Rescue Jackets

Knife

Whistle

Emergency beacon

Water gloves Neoprene

Throw bags

Dry suit

Wet suit (only in non-contaminated water, used as a thermal barrier)

Booties with puncture resistant soles

Radio dry bags

Dry bags varying size for gear

Rescue board (boogie-board)

Towels

[**Confined Space Rescue**](#ConfinedSR2)

(Also refer to [**https://www.osha.gov/SLTC/confinedspaces/index.html**](https://www.osha.gov/SLTC/confinedspaces/index.html)and

[**http://www.cdc.gov/niosh/docs/87-113/pdfs/87-113.pdf**](http://www.cdc.gov/niosh/docs/87-113/pdfs/87-113.pdf)**)**

Confined space refers to a space which by design has limited openings for entry and exit, unfavorable natural ventilation which could contain or produce dangerous air contaminants, and which is not intended for continuous employee occupancy. Be aware of how to recognize the dangers and avoid confined spaces. These areas must only be entered by trained professionals.

Team SOPs/ SOGs

Flashlights

Chemlights

Portable lighting

**[Collapsed Structure Rescue](#CollapsedSR2)**

Collapsed structure is defined as structures that have sustained significant damage to the roof, walls, floors and /or foundation, including bridges and tunnels. Collapsed structure rescue for animal responders will be rare due to the training and experience required to safely work. Searching the perimeter of collapsed structures is more likely to occur, as the goal is to work safely and be aware of hazards. These areas must only be entered by trained professionals.

Team SOPs/ SOGs

[**Hazmat**](#Hazmat2) **(appropriate equipment based on training and certification level. Equipment needs will vary greatly depending on mission assignment)**

<https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9767>

Team SOPs/ SOGs

**Level D (A work uniform affording minimal protection: used for nuisance contamination only) as appropriate**

Coveralls

Chemical resistant apron

Gloves

Boots/shoes, chemical-resistant

Boots, outer, chemical resistant (disposable)

Safety glasses or chemical splash goggles

Hard hat

Escape mask (define)

Face shield

**Level C (The concentration(s) and type(s) of airborne substance(s) is known and the criteria for using air purifying respirators are met.) as appropriate**

Full-face or half-mask, air purifying respirators (NIOSH approved)

Hooded chemical-resistant clothing

Coveralls

Gloves, outer, chemical-resistant

Gloves, inner, chemical-resistant

Boots, outer, chemical-resistant

Boot-covers, outer, chemical-resistant

Hard hat

Escape mask

Face shield

**Level B (The highest level of respiratory protection is necessary but a lesser level of skin protection is needed), as appropriate**

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved)

Hooded chemical-resistant clothing

Coveralls

Gloves, outer, chemical-resistant

Gloves, inner, chemical-resistant

Boots, outer, chemical-resistant

Boot-covers, outer, chemical-resistant

Hard hat

Escape mask

Face shield

**Level A (To be selected when the greatest level of skin, respiratory, and eye protection is required), as appropriate**

Positive pressure, full face-piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA, approved by the National Institute for Occupational Safety and Health (NIOSH).

Totally-encapsulating chemical-protective suit

Coveralls

Long underwear

Gloves, outer, chemical-resistant

Gloves, inner, chemical-resistant

Boots, chemical-resistant, steel toe and shank

Hard hat (under suit)

Disposable protective suit, gloves and boots (depending on suit construction, may be worn over totally-encapsulating suit

[**Decontamination**](#Decontamination2)

**(appropriate equipment based on training and certification level. Equipment needs will vary greatly depending on mission assignment.)**

(See [Hazmat](#Hazmat) List for levels of PPE protection)

Team SOPs/ SOGs

**Basic Decontamination/ Gross Decontamination (“glorified bath”)**

Water access or bulk tank

Industrial portable water heating system esp. in cold climates or environments

Dawn dish soap

Wash tub, with drain, homemade baby swimming pole, large storage crate 45L or more

PPE

Eye protection, glasses, goggles, face shield

N95 respirator

Exam gloves, Nitrile

Dish gloves with long cuffs

Water proof booties/ rubber boots

Slip leads, colored red/ contaminated, yellow/ cleaning, and green/ clean

Muzzles

Towels

**Chemical Decontamination**

(see Basic Decontamination list above for other equipment)

Dry agent vacuum system

Neutralizing agent

PPE (depending on chemical, more intensive PPE may be required)

Waste water collection

**Radiological Decontamination**

Rad monitor

Basic Decontamination list

PPE

Waste water collection

[**Transport**](#Transport2)

**Transport Companion Animals**

Team SOPs/ SOGs

First aid kits, human and animal

Animal gurneys/ stretcher

½ SKED

Airline crates, Vari-Kennels

Cleaning/ Decontamination supplies

Towels/ puppy pads

Appropriate vehicle for transport that allows for fresh air and the animals to be secured

Animal transport vehicles (cage truck)

Trailer

**Transport Large Animal/ Livestock**

Team SOPs/ SOGs

First aid Kit, human and animal

3”- 4” straps for assists

Rescue glide with handles

Plywood for makeshift ramp or glide

Panels for building makeshift pens and assisting loading

Livestock trailers

[**Survival/ Self Sustainability**](#Survival2)

Multitool

Pocket knife

Hatchet/sheath knife

Matches (waterproof) and fire starter

Candle

Water treatment method

Purification tablets

Filter

Steripen TM

Shelter

Tent

Tarp

Space blanket

Bear spray and/or bear bangers

Flare

Duct tape

Safety pins

Large orange garbage bag

$2.00 in change

**Water for Team**

1 Gallon of water per person per day

Extra water for any animals in your care

Per Day:

Cats 1Qt

Dogs 2Qt

Horses 7 gals per 1000 lbs

Cows 7/ 4/ 8/ 4 gals for Dairy and Dry Cows/ Heifers/ Cow and Calf/ Calf 400lbs

Swine 4/3/1 gals for Sow and Liter/ Sow pregnant/ Gilt or boar

Sheep 1gal/ 3qts/ 2qts for Ewe and Lamb/ Ewe dry/ Weanling lamb

Poultry 5/5/12 gals per 100 birds Broiler/ Layers/ Turkeys

**Food for Team**

2 liter water bottle

Trail mix

Instant oatmeal

Energy bars

MRE’s or IMP’s (foods that do not require cooking)

Dehydrated meals/soups mixes

Personal stove/fuel

Cooking pot

Mess kit

Powdered drink

Fruit leather

Extra food for any animals in your care

Per Day:

Cats ½ cup

Dogs 2 cups

Horses 20lbs of hay per 1000 lbs

Cows 20/ 9/ 15/ 10 lbs of hay for Dairy and Dry Cows/ Heifers/ Cow and Calf/ Calf 400lbs

Swine 8/ 2/ 3 lbs of grain for Sow and Liter/ Sow pregnant/ Gilt or boar

Sheep 5/ 3/ 3 lbs of hay for Ewe and Lamb/ Ewe dry/ Weanling lamb

Poultry 10/17/40 lbs per 100 birds Broiler/ Layers/ Turkeys

**Shelter for Team**

Tarp

Tube tent

Space blanket (see Survival)

Ground pad (i.e. Thermorest or Ensolite)

Parachute cord (50’)

Spare stuff sacks