

Required Personal Equipment

2024 Edition

Worn or carried in pack

Clothing

- Base layers and socks
- Shirt
- Insulator layer
- Long pants
- Rain jacket and rain pants
- Hiking boots
- Leather work gloves
- Eye protection
- Extra socks

Cold weather clothing

- Warm gloves
- Warm hat
- Extra insulator layer

Navigation equipment

- Compass
- Paper map
- GPS unit* or smartphone app
- Notepad
- Pencil/pen and permanent marker

Technical equipment

- Climbing helmet
- 20 ft red webbing
- Purcell prusik
- Locking carabiners

General equipment

- Headlamp
- VHF radio
- Water
- Food and snacks
- Wood saw
- Flagging tape
- Plastic whistle

Miscellaneous

- Spare headlamp or flashlight
- Duct tape
- Toilet paper
- Ziploc bags
- Water treatment
- Legal ID/SAR ID

First aid kit

Ready to add to pack

Shelter and fire kit

- Survival blanket
- Blue tarp
- Paracord
- Fixed blade knife
- Storm proof matches
- Fire starters

Optional additional items

How to suggest changes or updates

Worn or carried in pack

Clothing

No cotton. Use a layering system to respond to changes in climate, weather, and activity. Expect the weather to be different at base than it is at home. **No cotton.** See Uniform Standards document for color and other requirements. No cotton.

Base layers and socks

Wicking synthetics, wool or silk

Shirt

Orange uniform top.

Insulator layer

Middle layer to retain body heat, but let moisture out
Polyester fleece, wool sweater, puffy jacket

Long pants

Rain jacket and rain pants

Waterproof breathable outer shell. Top outer layer must be orange or blue. Orange is preferred, blue if you are unable to find orange in your size.

Hiking boots

Weather appropriate

Leather work gloves

Protect your hands from thorns, ropes, knives, braided cables...

Eye protection

Safety glasses, goggles, sunglasses

Extra socks

Cold weather clothing

These items are a minimum requirement in cold weather. Consider storing a selection of additional clothing in your vehicle.

Warm gloves

Weather appropriate

Warm hat

Base layer for your head or helmet liner or balaclava

Extra insulator layer

A second or heavier weight middle layer

Navigation equipment

Compass

Must have sighting mirror, adjustable declination correction, and bearing dial

Paper map

Mission specific maps are often distributed by Incident Command to Team Leads at base. Paper maps offer a comprehensive big picture of the area and allow for plotting with a compass. Consider packing a general map of the Columbia River Gorge or similar.

GPS: iPhone or Android device with Caltopo

Device fully charged, with spare batteries or charging device, enough for a 24 hour deployment. Garmin GPS (GPSMAP 62 or newer) devices are also acceptable but Caltopo is the standard.

Notepad

Waterproof - *Rite in the Rain*

Pencil/pen and permanent marker

Rite in the Rain compatible

Technical equipment

Climbing helmet

UIAA or CE certified

20 ft red webbing

20 ft of red 1 inch tubular webbing. Climb-spec or mil-spec with a minimum breaking strength of 4000 lbs. Labeled at the end with your name, and tied in a quick release daisy chain (chain sinnet).

Purcell prusik

10 ft of 6mm accessory cord pre-tied as a purcell prusik

2 Locking carabiners

Minimum specifications:

Gate opening: 3/4" (19mm)

Major axis strength: 22 kN

Minor axis strength: 7 kN

Open gate strength: 7 kN

General equipment

Headlamp

Device fully charged, and bring spare batteries or charging device

VHF radio

Device fully charged, with spare batteries or charging device, recommended models:

[UV-82c](#)

[TERA TR-590](#)

[Wouxun KG-UV3X Pro Dual Band](#)

Water

2 liters minimum

Food and snacks

24 hr supply, 2000+ calories

Wood saw

Fast and efficient folding saw

Flagging tape

Hot pink survey tape

Plastic whistle

Fox 40 or Storm, pea-less design

Miscellaneous

Spare headlamp or flashlight

Device fully charged, and bring spare batteries or charging device

Duct tape

3 ft minimum

Toilet paper

Ziploc bags

2 ea gallon, 2 ea quart (freezer)

Water treatment

Chemical, filter, UV or boiling

Legal ID/SAR ID

First aid kit

- (4) 4x4 bandages
- 4 inch ace wrap
- (6) 1 inch adhesive bandages
- 1 inch cloth adhesive tape
- (2 Pairs) non-latex barrier protection gloves
- (2) 5x9 compress
- CPR barrier protector
- Electrolyte replacement
- (2) heat packs
- Personal medications
- Moleskin, blister block or equivalent
- 4 inch roll gauze
- SAM splint or wire splint
- Trauma shears
- Triangular bandage
- Waterproof SOAP note sheet

Ready to add to pack

Shelter and fire kit

At least one **shelter and fire kit** will be carried per team on most missions. On some missions every team member will carry their **shelter and fire kit**. The Person In Charge and Team Leaders will decide what kits are required for the mission.

Survival blanket

Heavy duty 5x7 ft orange emergency tarp (not single use)

Blue tarp

Blue 8x10 ft, or sil-nylon equivalent

Paracord

50 ft of 550 nylon cord

Fixed blade knife

Full-tang, single-edge with a 3 x 1/8 inch minimum blade for batoning wood

Storm proof matches

REI or UCO storm proof wooden matches in a plastic waterproof case

Fire starter

Such as jelly balls, dryer lint candles, pitchwood, or other reliable ignition

Optional additional items

These items are NOT required. You might want to keep some of these in your vehicle in case conditions indicate their use. This is not an exhaustive list.

- Gaiters
- Personal medical accessories
 - Medications, Insect Repellant, Bandages, Tourniquet, Oximeter, Blood Pressure Monitor, Glucometer, Lip Balm, Sunscreen, Super Glue, Cold Packs
- Satellite communication device (InReach, Spot, etc.)
- Waterproof pack cover
- Tent stakes
- Watch
- Garbage bags
- Folding knife/tool
- Winter gear
 - Backpacking stove (JetBoil, MSR, etc)
 - Small insulating foam pad
 - Trekking poles
 - Snowshoes*
 - Microspikes
 - Avalanche beacon*
 - Avalanche probe*
 - Goggles
 - Snow shovel* (Lightweight metal, not plastic)
 - Crampons
 - Ice ax*
- Handkerchief
- Aluminum foil
- Knee pads
- Binoculars
- Spork
- Lighter
- Glow sticks or blinking light

* Limited team equipment available for checkout

How to request changes or updates

- For changes to equipment items listed, contact a board member with your ideas. The board will consider these updates on a semi-annual basis.
- You can also start a discussion on the Slack [#equipment](#) channel to gather feedback before requesting changes.