Rough Terrain

Nevada County Sheriff's Search & Rescue

OVERVIEW

- Establish a few basic skills
- Needed from rough, steep, slick or otherwise hazardous terrain
- Usually assist specialized teams
- Goal is to get subject to safety as quickly and safely as possible

L.A.S.T.

- Locate
- Assess
- Stabilize
- Transport

Personal Equipment

- Gloves
- Footwear
- Tubular Webbing
- Prusik Loop
- Goggles or Safety Glasses
- Helmet

Knots

Figure 8

Used to tie other knots & as a stopper

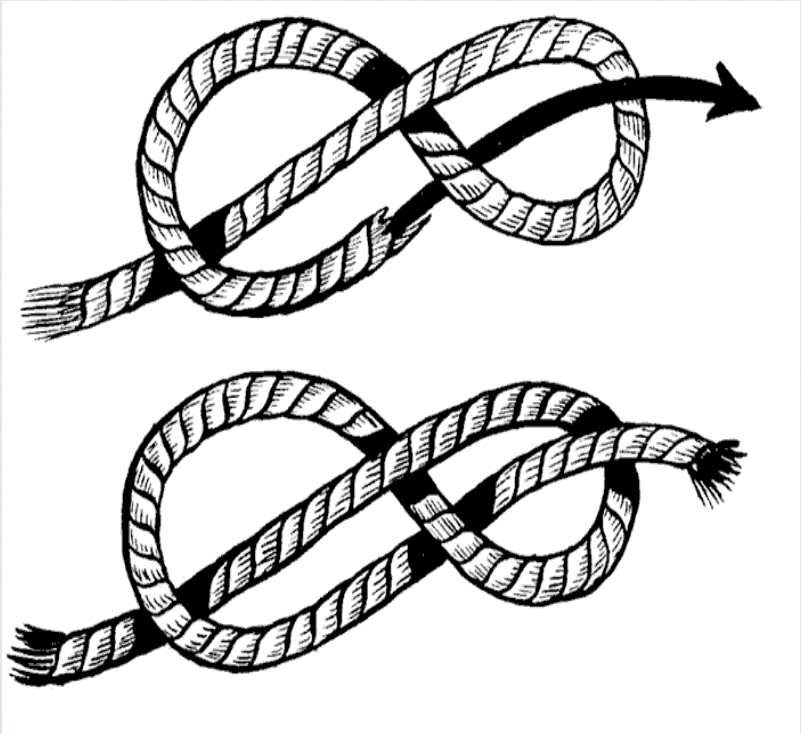
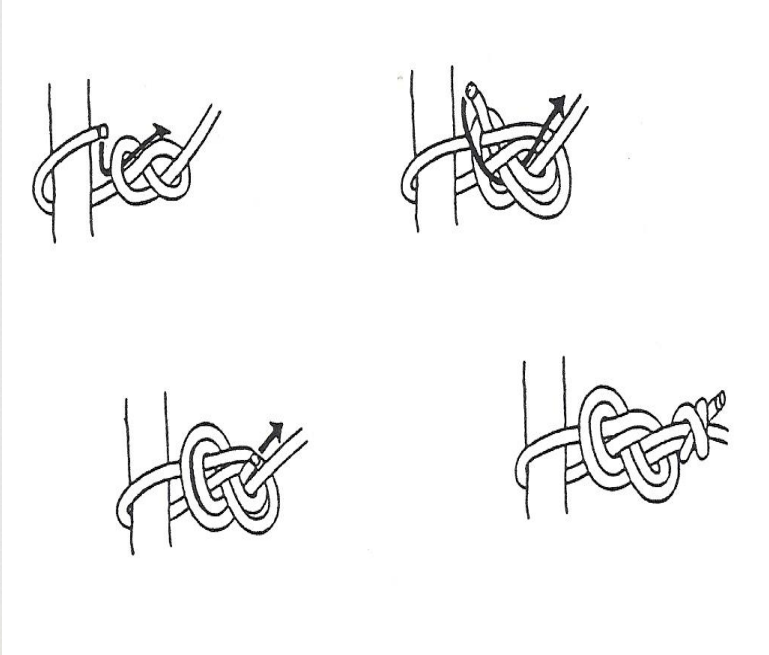


Figure 8 Follow Thru

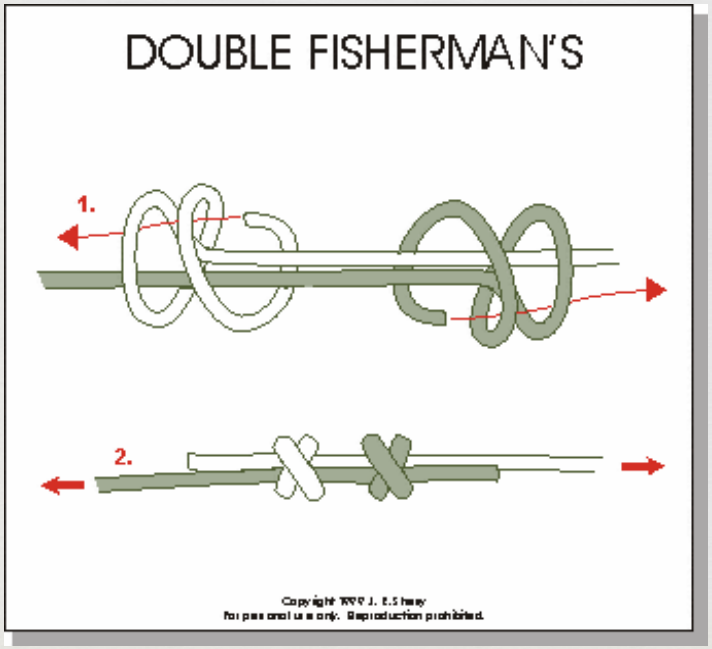
Used to secure the rope to an object



Knots

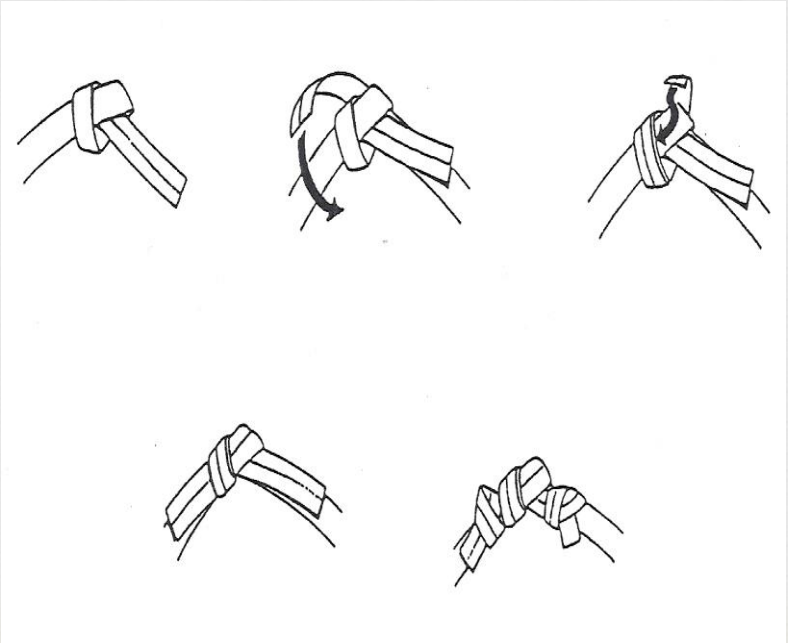
Double Fisherman

Used to make a prussic loop



Water Knot

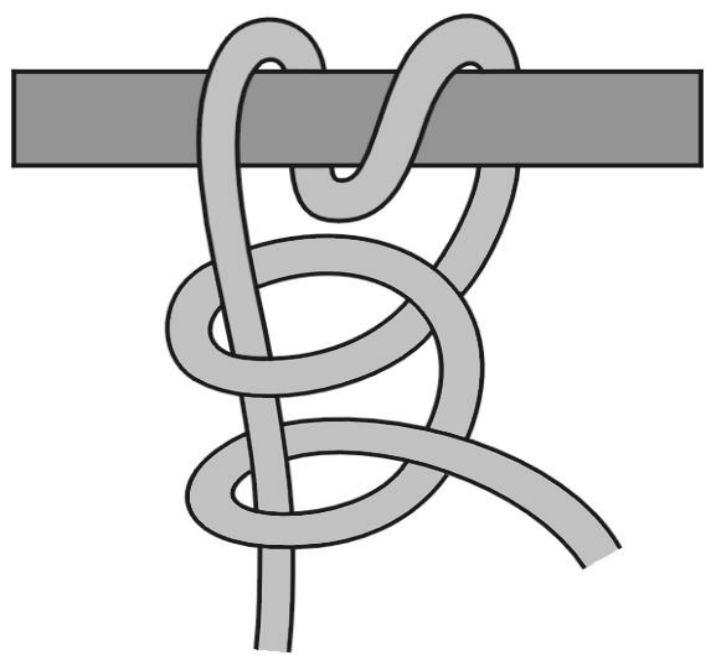
Used to tie ends of webbing together



Knots

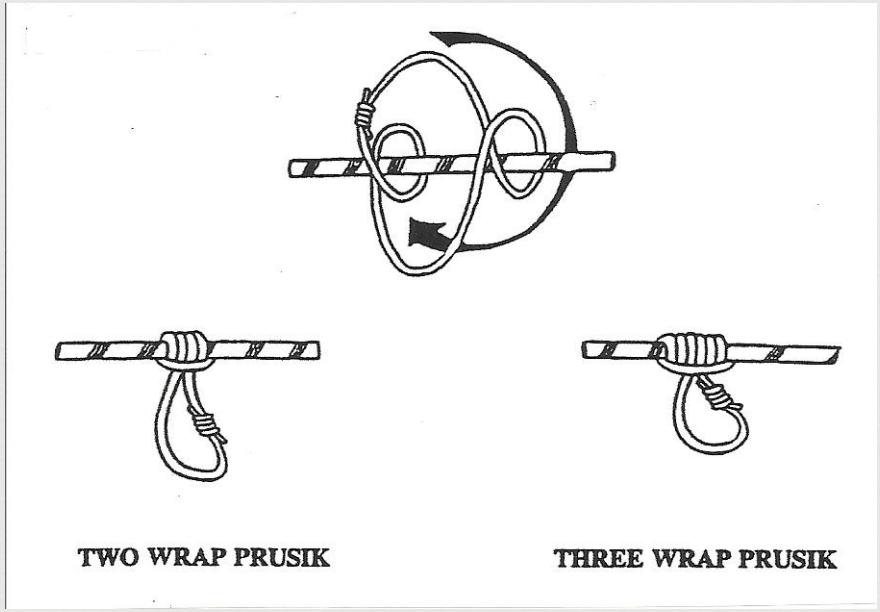
Round Turn Two Half Hitches

Used to secure the webbing foot strap on the litter



Prusik Hitch

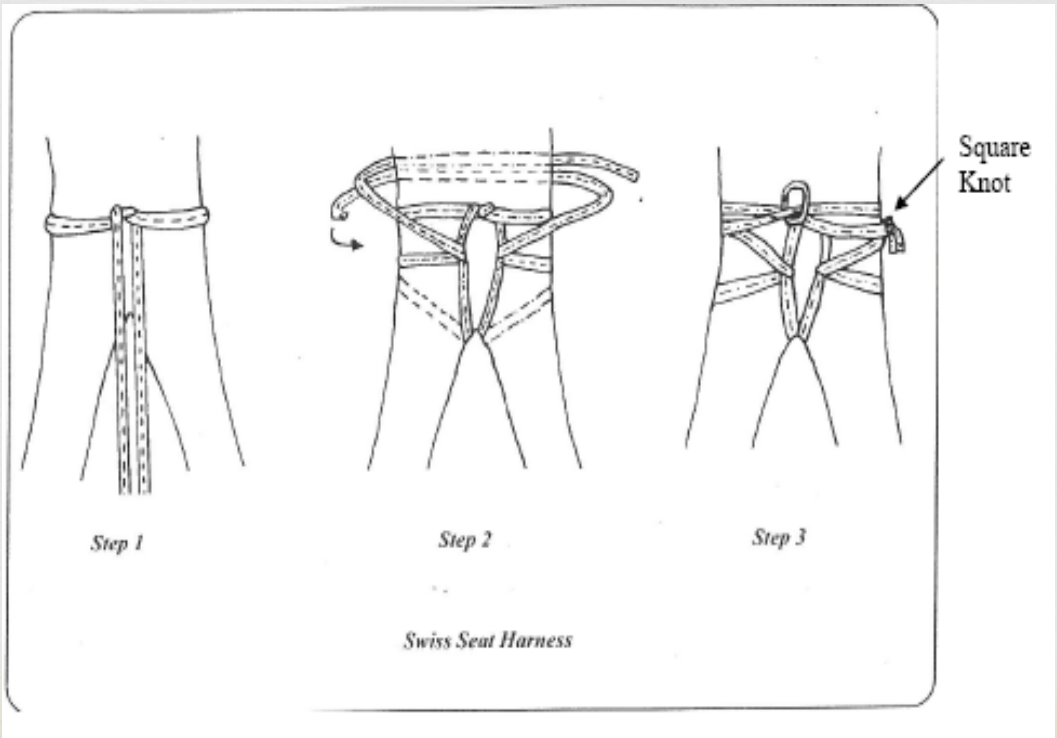
Used to tie ends of webbing together



Knots

Swiss Harness

Used to secure you to the rope



Slope Handling Skills

- Buddy check
- Wrap Prusic hitch
- Clip Prusic onto harness with carabineer
- Approach edge with approval from edge tender
- Guide hand at hip, other on Prusic wrap
- Feet approximately shoulder width apart
- Step back let the Prusic slip on rope
- Descend, the Prusic will catch if you slip

Slope Handling Skills

Commands

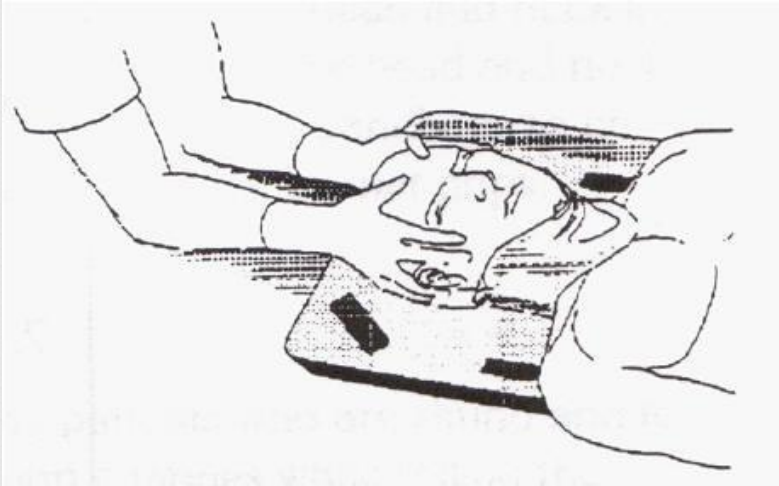
- Stop – cease all activity immediately
- Standby – wait attentively
- Tension Belay – take slack out of rope
- Slack Belay – pay out slack in rope
- Off Rope – rope is no longer needed and is detached from litter
- Belayer will respond to all commands with thank you to acknowledge understanding

Proper Clothing

- Gloves
- Boots
- Eye Protection
- Helmet if needed
- Harness

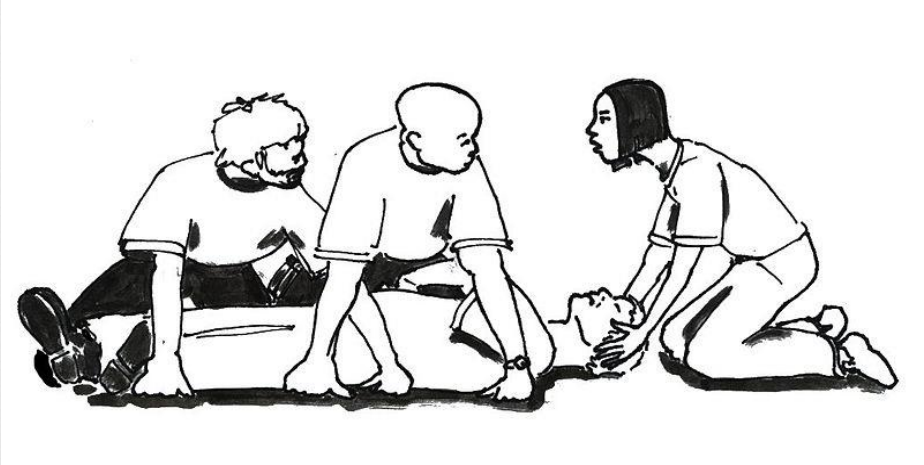
Medical Assistance

- Do Not move subject until a medical assessment clears you to do so
- May assist higher classified medical personnel
- Holding subject's head is extremely important
- You must not move or release the head unless told to do so by the medical person in charge



Subject Packaging

LOG ROLL



- One rescuer hold head
- Two or three roll subject towards them
- Two place litter against subjects back
- Subject is rolled back into litter & centered
- **Always place blanket into litter before scooping subject**

Subject Packaging

Subject must be secured into the litter so he/she does not move within it or fallout

- Always reassure subject
- Always address subject by name
- Check subject comfort
- Pad under back, knees, etc.
- Attach eye protection if necessary & protect from sun
- Apply Spider Strap Assembly
- **Remember Subject Comfort**

Subject Packaging

SPIDER STRAP

- Remove Spider Strap, blanket & webbing from bag
- Place blanket in litter
- With subject in litter unroll Spider Strap starting from the subjects neck
- Attach strap to **SECOND** rail from the top starting from the subjects neck
- Continue down subject until all straps are securely fastened
- Use webbing to support subject from slipping down litter

Lifting the Litter

- Position feet properly
- Never turn or twist
- Keep back straight & locked when lifting
- Keep weight close to your body
- Grip with both hands firmly
- Lift & lower smooth and steady
- Lift with your legs

Litter Handling

Team Leader

- TL will lead & control the transport
- Only the TL will give commands
- Need 6 litter tenders to carry litter – 3 per side

Litter Handling

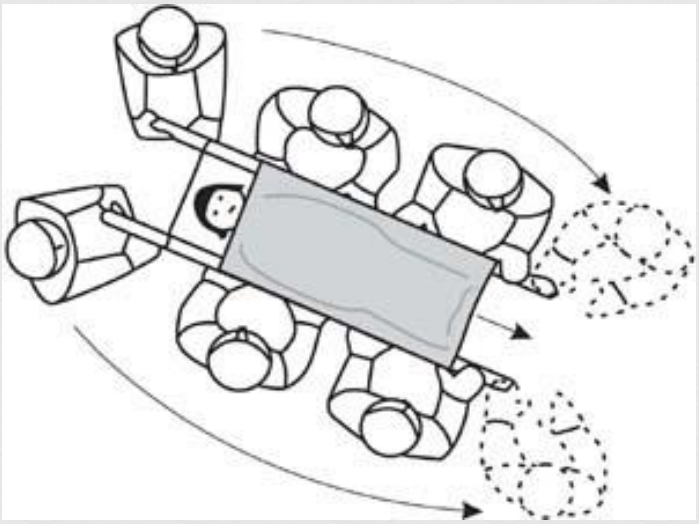
Litter Captain

- Litter captain will manage litter movement
  - Stop – swing left – raise litter
  - Watches for hazards underfoot
- Right Front litter position is always litter captain

Medical Officer

- Preferably independent of litter tenders
- Job is to keep sharp eye on subjects status

Litter Captain



Commands

Standardized to limit confusion between Team Leader, Litter Captain & other rescuers.

- Stop – Can be called by anyone
- Standby – wait attentively
- Raise Litter
- Lower Litter
- Forward Litter – move team & litter forward
- Backup Litter – move team & litter backward
- Reverse Direction
- Swing Left - – move team & litter left
- Swing Right – move team & litter right
- Turn Left – 90 turn left
- Turn Right – 90 turn right
- Raise Head – raise head end of litter
- Lower Head – lower head end of litter
- Raise Feet - raise feet end of litter
- Lower Feet - lower feet end of litter

Special Circumstances

Litter Wheel

- Used when terrain is flat & smooth
- 4 people to raise litter to attach wheel
- Minimum of 4 people to move litter

Caterpillar Pass

- Used to move subject & litter over or under something such as a log, culvert, etc.

Turtle Crawl

- Used to move subject & litter under something or narrow passage