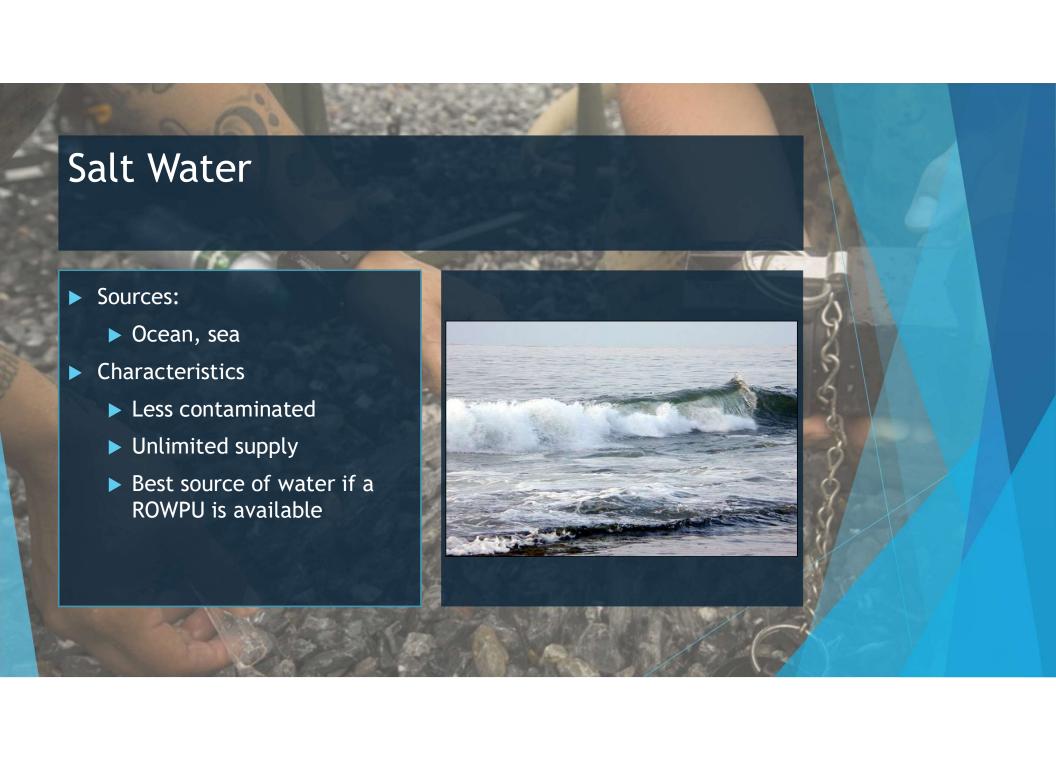




Water may be obtained from various sources in the field including the following:



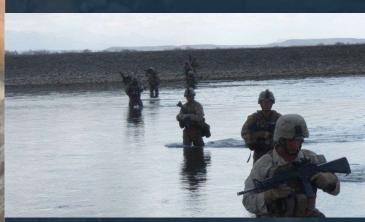




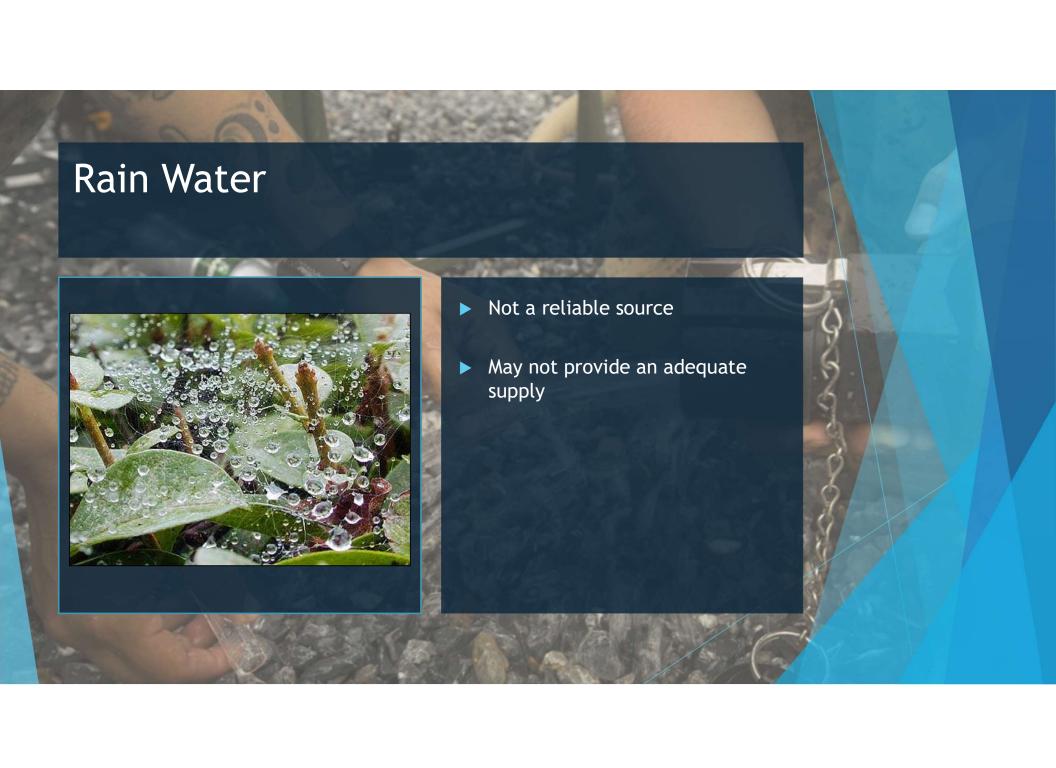
- Sources
 - ▶ Wells & Springs
- Characteristics
 - Best source of water during an NBC attack
 - ► Less chemical & biological pollution
 - Quantity is hard to determine

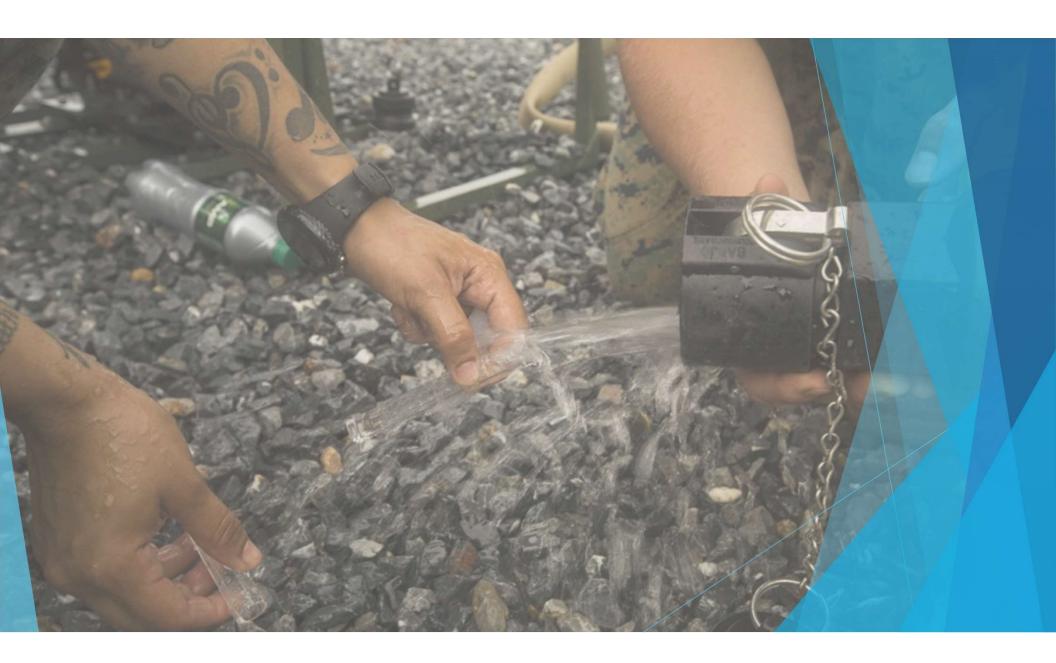


- Sources
 - ► Rivers, lakes, ponds, streams
- Characteristics
 - ► Larger sources less contaminated
 - ► Moving water is preferable
 - ► Easiest to procure for individual use
 - ► Readily accessible

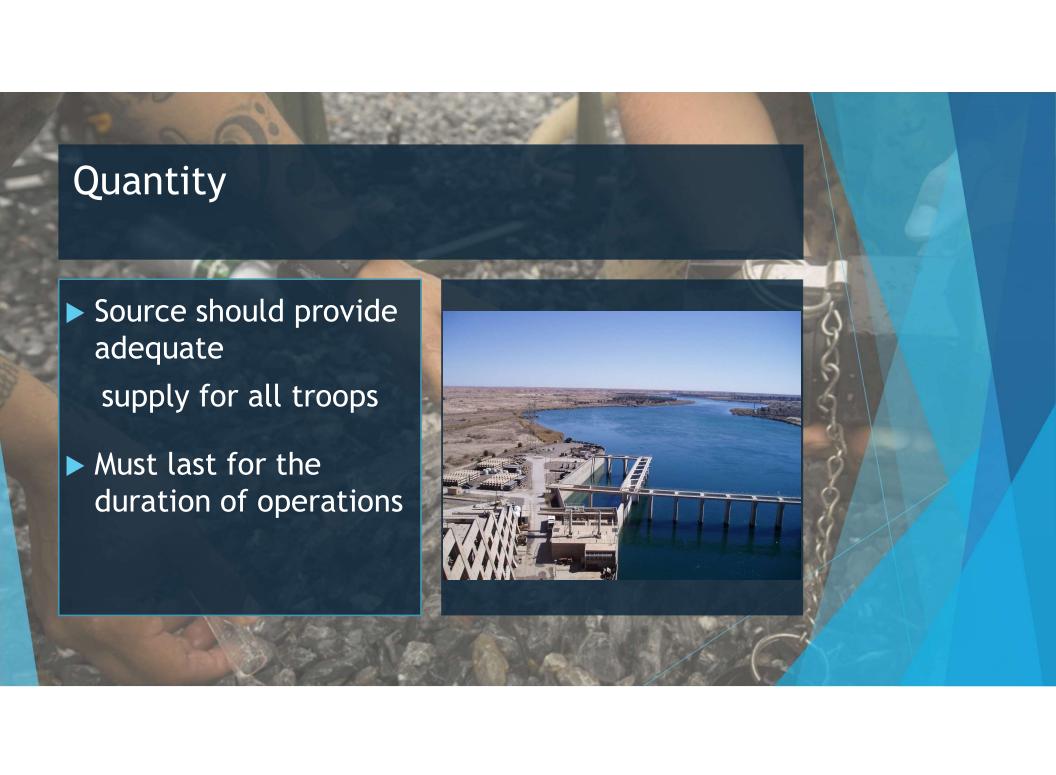


3/5 Kilo Company patrols the Helmand River. Sangin, Afghanistan. 2011.







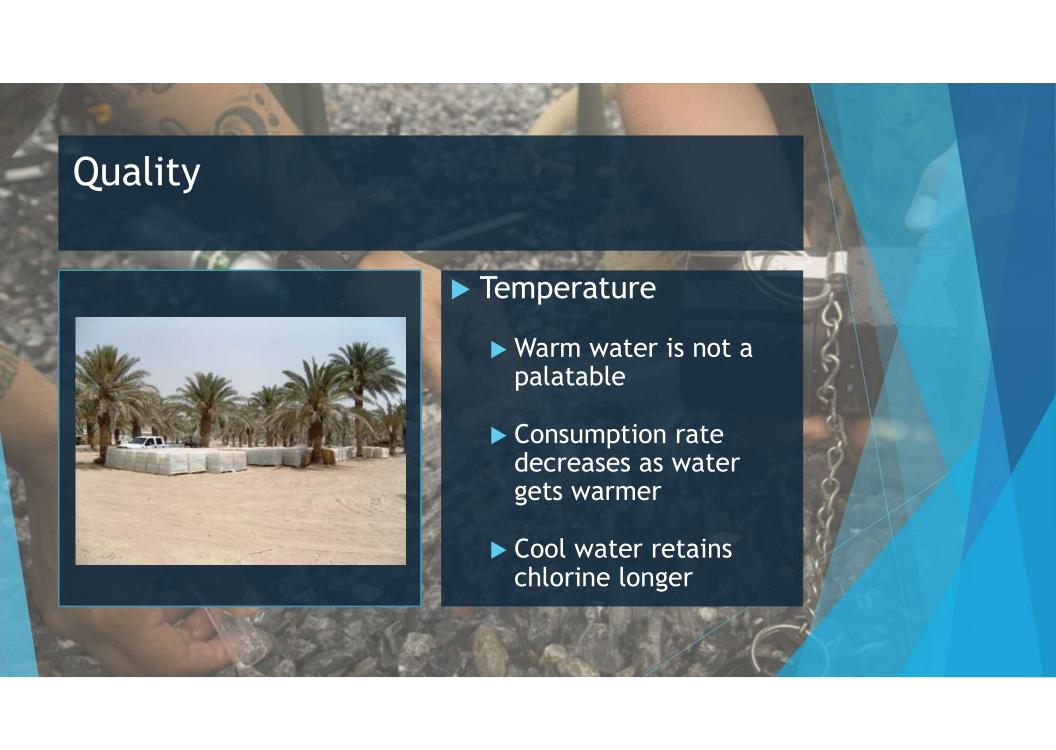


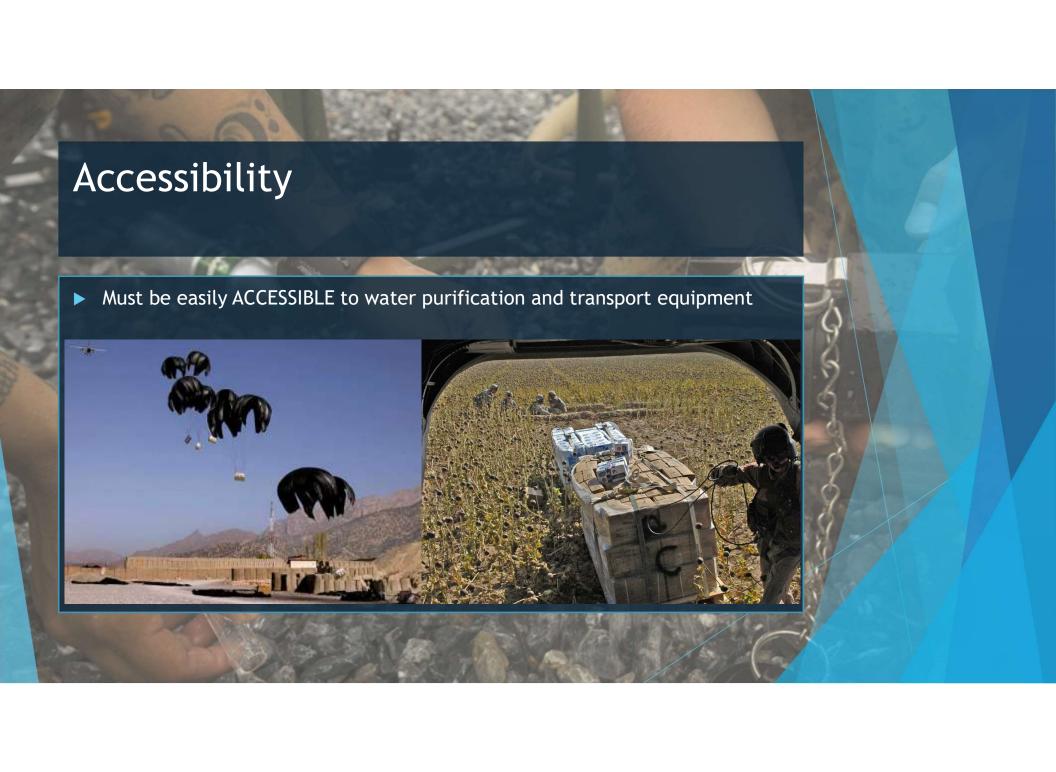


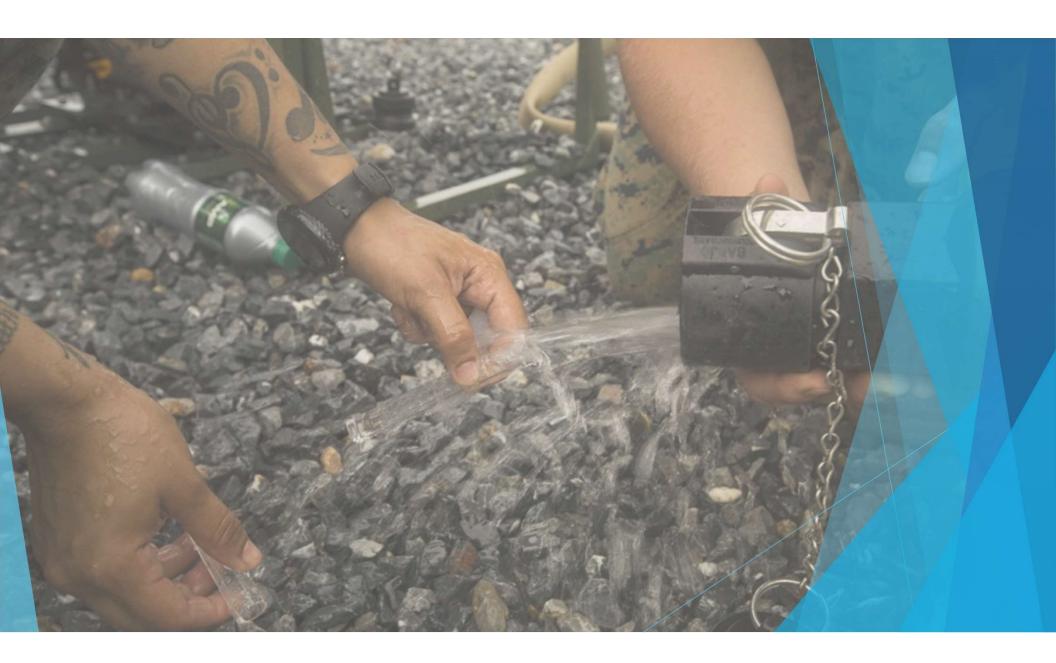


- Free of contamination from sewage, toxic elements and NBC agents
- Source protected from runoff from latrines, showers, motor pools, etc.
- Should be clear/colorless













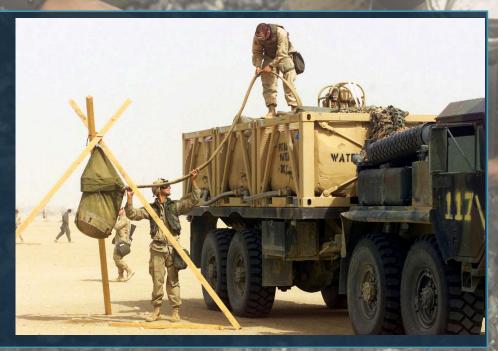
- Canteen
 - ► Individual use
 - ▶ 1 qt
- ▶ Jerry Can
 - ▶ 5 gallon container
 - Must be labeled "POTABLE WATER ONLY"







- Lyster Bag
 - ▶ 36 gallon capacity
 - Used for hand washing stations
 - Rarely used in current operations







- ▶ Water Bull
 - ▶ 400 gallon capacity
 - ► Mobile potable water
 - ► Easily accessible

IODINE TABLETS

- ▶ NO LONGER ISSUED
- ▶ However, if you have them and need to use them:
- ► Inspect tablets for signs of deterioration
- Should be solid and steel gray in color
- ► Tablets that are yellow or brown, that stick together or crumble easily are no longer effective



IODINE TABLETS

- Purifying water in canteens:
 - ▶ Fill canteen with cleanest water possible
 - Add two iodine tablets to 1 quart canteen
 - ▶ If using tincture of iodine, five drops are equal to one tablet
 - Replace cap and shake to dissolve tablet
 - ► Wait 5 min, loosen cap and allow leakage around the threads
 - ▶ Tighten cap and wait an additional 25 min before drinking

IODINE TABLETS

- Purifying water in hydration systems
 - ▶ Fill hydration system with cleanest water possible
 - ▶ Use four tablets for 70-72 oz system
 - ▶ Use six for 100-102 oz system
 - ▶ Allow 30 min total contact time



CHLORINE BLEACH

- ▶ Add two drops of bleach per quart for canteens
- ▶ Use four drops for 70 oz reservoir
- ▶ Use six drops for 100 oz reservoir
- ▶ Let stand for 30 min before drinking



MICROPUR

- MICROPUR is what is issued in the IFAK, CLS Bag, and CAP Bag
- Purifying water in canteens:
 - ▶ Fill canteen with cleanest water possible
 - ► Add one tablet to 1 quart canteen
 - ► Replace cap and shake to dissolve tablet
 - ► Wait 5 min, loosen cap and allow leakage around the threads
 - Allow 30 min contact time before consuming water, 4 hours for cold or cloudy water



MICROPUR

- Purifying water in hydration systems:
 - ► Fill hydration system with cleanest water possible
 - ▶ Use two tablets for 70-72 oz system
 - ▶ Use three for 100-102 oz system
 - ► Allow 30 min contact time before consuming water, 4 hours for cold or cloudy water

BOILING WATER

- Used in emergency situations for small amounts of water
- ▶ Vigorously boil water for 5 minutes
- Does not provide for residual disinfectant capabilities
- Not to be used to store large quantities of water





TESTING OF WATER

All bulk water supplied for drinking must be tested daily for FAC

Perform weekly bacteriological testing

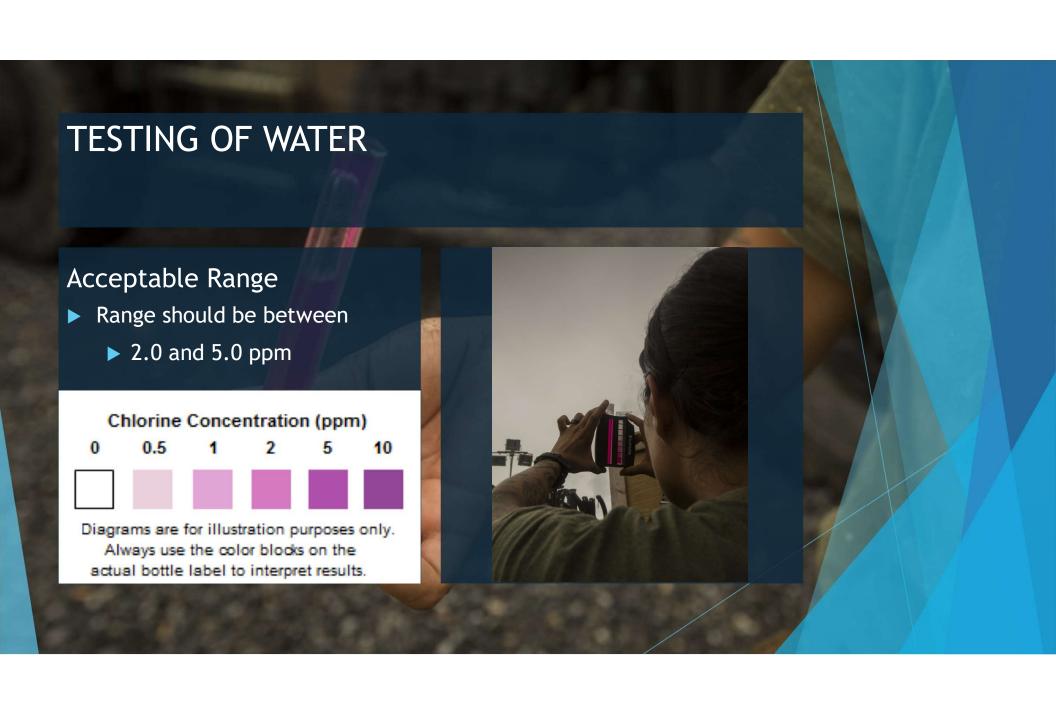


WATER TESTING

Procedure for water testing

- Fill sample test tube to line
- Add (1) DPD #1 tablet, place cap on tube
- Agitate until tablet is completely dissolved
- Compare color of water to comparator





TESTING OF WATER

Required Documentation

THE WILL

- "Potable" / "Not Potable"
- Date
- ► PPM findings
- Name

Record Test Information at Source

