☑ The Ten Essentials

Updated "Systems" Approach

- 1. Navigation (map and compass)
- Sun protection (hat, sunglasses, sunscreen)
- Insulation (extra clothing)
- Illumination (headlamp/flashlight)
- First-aid supplies
- Fire (lighter/waterproof matches)
- Repair kit and tools (knife, saw, pliers, trowel, scissors, duct tape, etc.)
- Nutrition (extra food)
- Hydration (extra water)
- 10. Emergency shelter

Classic Ten Essentials

- 1. Map
- Compass
- Sunglasses and sunscreen
- Extra clothing
- Headlamp/flashlight
- First-aid supplies
- Firestarter
- 8. Matches
- Knife
- 10. Extra food (often replaced by or supplemented with "extra water")

Other Items: water purification; GPS; signaling device(s)

In Case of Emergency...

Blood type (circle one)

B+ AB- AB+

Allergies

Medications (include dosages)

Vaccines (include dates)

Current medical conditions – As of

Primary care doctor (name and phone)

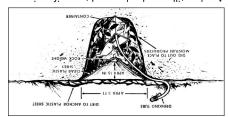


part of the bag approx. every two hours. water that has concentrated in the lowest 3. Remove the bag, or tap it, to access the rue pranch.

5. Tightly close the bag's open end around available, place loose vegetation in a bag.) of a non-poisonous tree or plant. (If none J. Place a clear plastic bag over a leafy branch

ranspiration bag inletnod (See illus, at right)

a separate cup of the liquid(s) in the hole. salt water, or contaminated water by placing A solar still can also be used to purity urine,



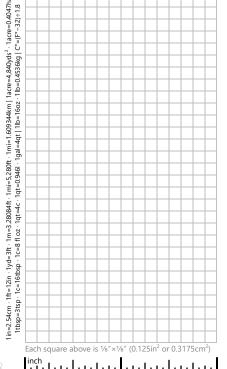
requires work that might yield less water output than spent perspiring from the effort. Use common sense. amounts of water. The effort to dig pits for solar stills supplement other efforts to find/collect more substantial if exerting oneself). These methods are only meant to of approximately one liter of water per day to survive (more Important Considerations: Humans require a minimum

piercing the plastic. without touching the cup and without bigstic dips to a point above the cup 6. Place a rock above the cup so that the

- plastic around the hole with rocks and dirt. 2. Seal the hole by covering the edges of the top of the hole.
- 4. Lay a piece of clear plastic tautily across the
- 3. Place an open cup or mug in the center of 2. Fill the hole with vegetation, it available direct sunlight.
- 1. Dig a 1-2-foot hole in an area that receives Pit-Style Solar Still (See illustration at right)

trap water condensation. The main goal of both methods below is to

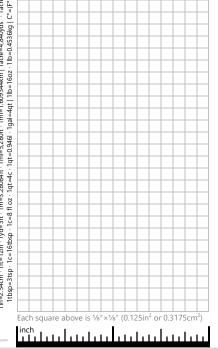
□ How to "Make" Water
 □





and the result is ignition. the tinder, more oxygen is added by blowing, Once hot enough, the coal is introduced to oxygen can flow freely to the coal/ember. the length of the grooved piece, so that becomes a coal. A split is often made down motion, to produce hot dust that then groove of the second piece in a "plowing" Just biece is unpped dnickly against the dicove cut down its length. The point of the a dull point, and a long piece of wood with a The typical fire plow consists of a stick cut to Fire Plow Method

■ How to Start a Fire (w/o matches)



Your name and contact info

Backpacking Reference

Emergency Contacts

More emergency info (allergies, medications, etc.) is enclosed

Name, relationship, and contact info

travel arrow 3. Iravel in the direction shown by the direction-of-

the magnetic needle is aligned with the orienting

2. Hold the compass level and turn your body until J. Set the desired bearing at the index line

Plot (follow) a bearing in the field

3. Read the bearing at the index line with the magnetic needle

2. Rotate the housing to align the orienting arrow

of-travel arrow at a landmark 1. Hold the compass level and point the direction-

Take (measure) a bearing in the field

The edge of the baseplate is the bearing line. orienting lines with the map's Morth-South lines. 3. Turn the entire compass to align the compass' wish to plot the bearing.

the baseplate on the location from which you

2. Place the compass on the map with an edge of 1. Set the desired bearing at the index line

Plot (follow) a bearing on a map

3. Read the bearing at the index line

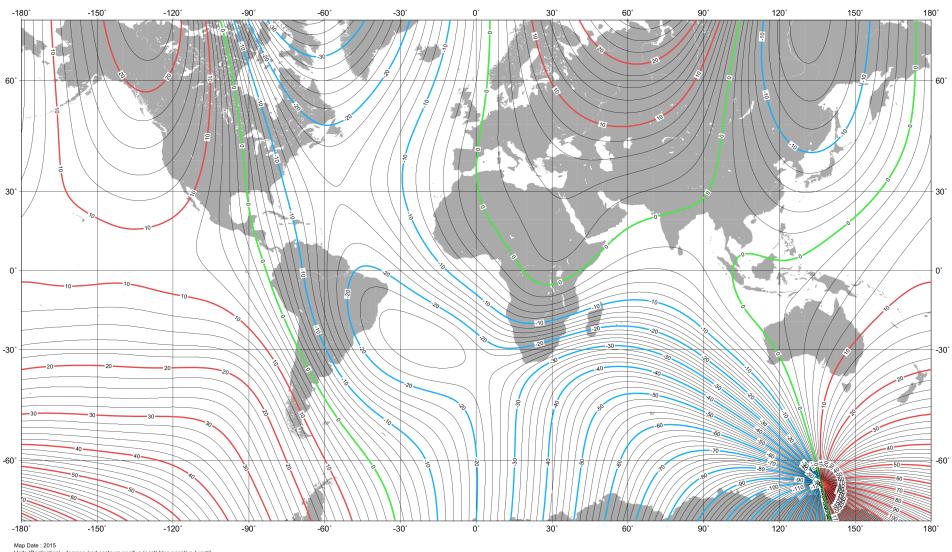
orienting lines with the North-South lines on the

ssedwoo au ubile of bulsnoy au are compass. interest (e.g., current position and destination) creates an imaginary line between two points of 1. Place the compass on the map so that one edge

1 ake (measure) a bearing on a map

₹ Compass Instructions

International Geomagnetic Reference Field Model -- Epoch 2015 Main Field Declination (D)



Map Date : 2015 Units (Declination) : degrees (red contours positive (east) blue negative (west)) Contour Interval : 2 degrees Map Projection : Mercator

USGS Map Scales

Scale	1in equals	1cm equals	Scale	1in equals	1cm equals	Scale	1in equals	1cm equals	Scale	1in equals	1cm equals
1:20,000	~1,667ft	200m	1:50,000	~4,166ft	500m	1:100,000	~1.6mi	1km	1:500,000	~8mi	5km
1:24,000	2,000ft (exact)	240m	1:62,500	~1mi	625m	1:125,000	~2mi	1.25km	1:1,000,000	~16mi	10km
1:25,000	~2,083ft	250m	1:63,360	1mi (exact)	633.6m	1:250,000	~4mi	2.5km	1:2,000,000	~32mi	20km