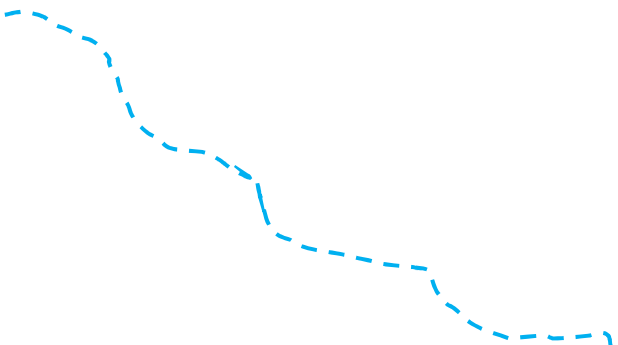
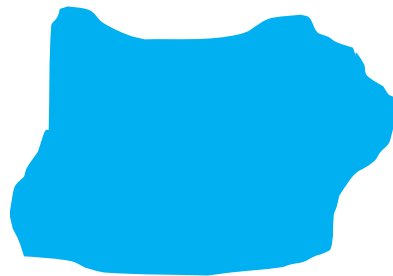
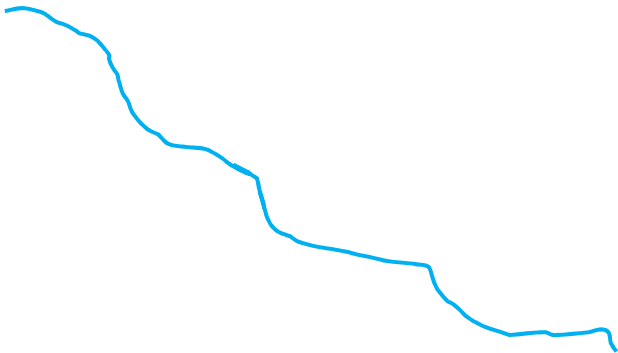


Philmont Map Symbols

Green Background

Speckled Background

Plain Background



Green Background

Vegetation – Forrest
(under tree cover)

Instructions –
Print double sided. Cut
along the dotted lines.
The description will be on
the back. Look at a
Philmont map at the same
time.

Plain Background

Vegetation – Bare or
Grassland
(none, grasses, cactus,
etc.)

Speckled Background

Vegetation – Mixed Trees
(scattered low trees and
brush)

Lake or Pond

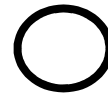
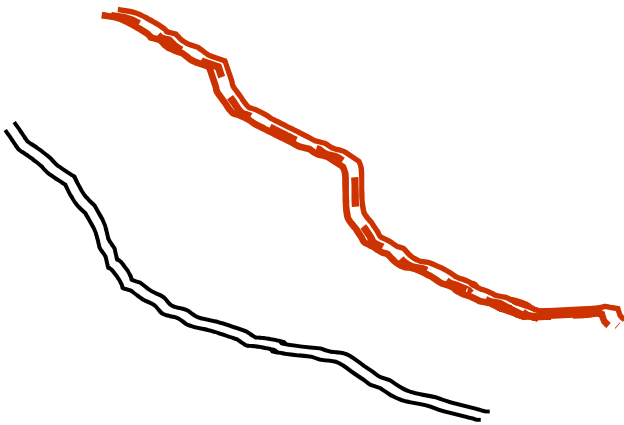
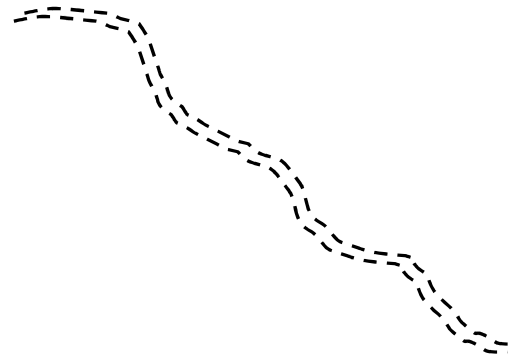
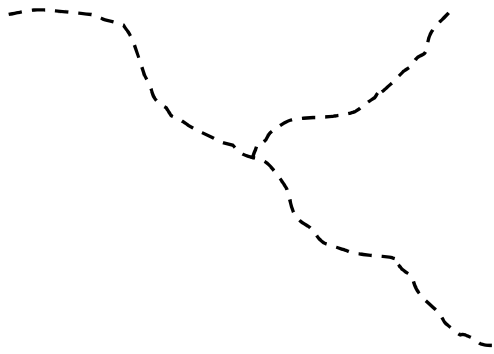
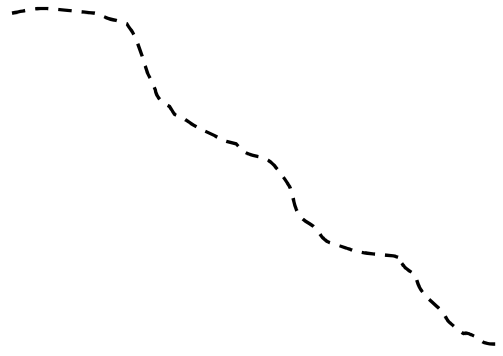
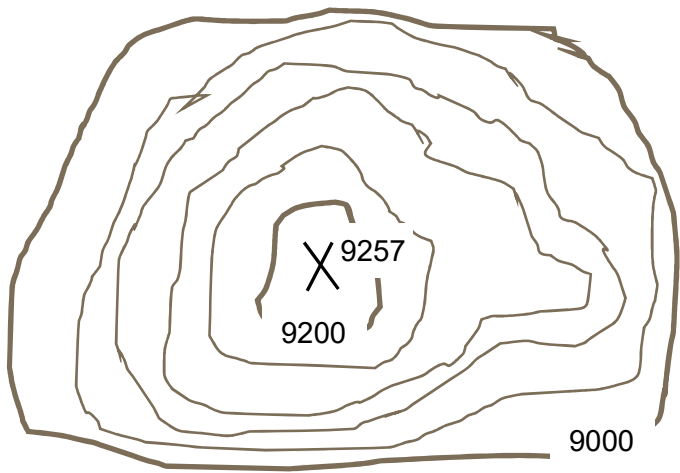
Stream

Intermittent (Seasonal) Lake or Pond

May or May Not Be There
Depending on Rain Fall

Intermittent (Seasonal) Stream

May or May Not Be There
Depending on Rain Fall



Trail

Contour Lines (Brown)

- What do the numbers mean? elevation
- How many feet apart are the lines?
- What does it mean when the lines are close together?
- What is the black X? peak

Dirt Road

Trail Junction

Well or Cistern

Improved (Paved) Road – Black

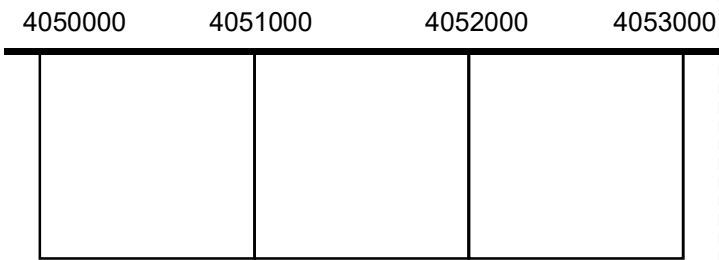
Highway - Red

Building – Occupied (Solid Black) and Unoccupied

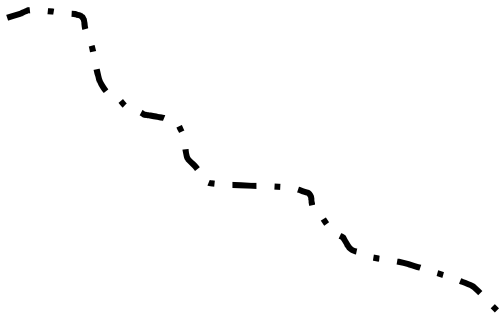
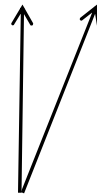
Spring



Along Map Edges



8 49' E



Staffed Camp

Trail Camp

Declination

- What is this?
- What is it telling you? The difference between True North and Magnetic North and the direction the difference is in. In this case magnetic north is to the east.

UTM Coordinates (meters)

- What are the numbers? UTM Coordinates
- How big are the boxes on a side? 1 km (.6 miles)
- What direction are the box edges going in? Sides: N-S and Top/Bottom: E-W

McDonalds Golden Arches

(This ones a joke)

Philmont Boundary

Map Symbols In Use At Philmont And Terrain Awareness

A refresher course in reading maps

Instructions:

- Materials
 - Several compasses
 - Several of the Philmont Sectional Maps
 - The section you will be hiking in would be better but any will do
- The following sheets are set up to be flash cards
- Print in color, double sided and cut along the dotted lines. The notes will be on the back of each card.
- Break the crew up into as many groups as you have maps
- Go through the flash cards one by one
 - Have the Scouts locate examples of each symbol on the map
 - Discuss the symbols
 - Ask the questions, when provided
- Have each of them orient the map to magnetic north
- Have each of them shoot a bearing
- Discuss Terrain Awareness

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- It may not be altered in any way.

Notes

- These are set up to be flash cards
- Print double sided and cut along the dotted lines. The notes will be on the back of each card.

Terrain Awareness (How Not To Get Lost)

- Learn to read the map, make sure you have a good idea where you are at all times
- The map tells you a lot about the conditions you should be hiking under and the things you should be seeing
 - Elevation Change: Uphill, downhill or relatively flat
 - Landmarks: trail junctions, streams, etc.
 - Trail: relatively strait or switchbacks
 - Cover: Forrest, scattered trees or grasslands
 - General Direction
 - Distance
- Consult the map at every trail junction
- Hiking speed for a group rule of thumb: 2 miles per hour plus an hour for every 1000 feet of elevation gain. This includes short stops at trail junctions, waiting for the group to catch up, etc.
- If the map tells you that you should be hiking up hill, generally east with at trail junction in 1/2 mile and this doesn't happen, stop and think.