

# NAVIGATION



## Map

You will be given two copies of the **Survivorman Challenge** map. These are classic Orienteering Maps. They have significant amounts of detail, right down to individual boulders, trees, and cliffs. Many of the largest roads and trails are marked on this map, but not all. There are many game trails in the backcountry, so don't be fooled.

**Orient your map! Orient your map! Orient your map!**

The most important map skill in the Challenge is to always keep your map oriented. That means you are holding it so that it mirrors the world around you, not just with North at the top. The lines on your map that run north and south have already been adjusted for declination, so you only need to line them up on your compass to orient the map. Peaceful Valley Scout Ranch is to the north on your map.

The second most important skill is to pay attention to where you are. If you are chatting or moving quickly and no one keeps track of where you are on the map, you can easily find yourself with no recognizable landmarks. You will be lost. Don't let this happen to you.

## Terrain

### Cliffs & Drops

There are many steep drops and cliffs in the Backcountry area. Several of these are part of the ravine system and are near the bottom. **DO NOT CROSS DROPS** of more than 45 degrees. Backup and go around. They are dangerous and traversing them destroys the terrain.



### The Canyon

Within the confines of the Backcountry there is a steep canyon. As it goes further northwest the walls get steeper and there are many cliffs. **DO NOT CLIMB ON THESE CLIFFS**. The canyon bottom is difficult and broken ground with many downed trees and boulders. Go slowly and carefully. Do not run. If significant rain occurs, be watchful for flash floods and get to higher ground if necessary.

### Barbed Wire

Take care when near barbed wire and if you must cross, look for access points. There are several sections of barbed wire in the Backcountry. The first is around the middle lake and is to keep livestock from damaging the edges of the lake. There are gaps in this wire fence. Barbed wire can show up almost anywhere.

## Boundaries

The **Survivorman Challenge** takes place within most of the Gates Backcountry area and that area is surrounded by barbed wire fence. **DO NOT CROSS BARBED WIRE FENCE AND EXIT THE BACKCOUNTRY.** At the minimum, your team will be disqualified.

Peaceful Valley Scout Ranch covers the entire northern border of the Backcountry Area. If you get lost, travel north to the barbed wire. Then travel east, following the barbed wire, until you find the Troop's basecamp.

## Caches

Supply caches will be placed around the area. Some will be easier to find than others.

You may take only one grouping of items from each Cache. You must leave the other items for other teams. Do not move or disturb the other items located at a cache.

## Orienteering Maps are different

Orienteering maps have significantly more detail than topographic maps. However, they are read somewhat differently. For starters, forest area is in white and prairie is in yellow. Unlike a Topo map, green indicates low level vegetation that could make it difficult to move through.

Take note of the special features of the Orienteering Map Key. For instance, individual trees and rocks are sometimes marked. Also, depressions and embankments are shown. Matching the map to what you see around you will be critical to winning the **Survivorman Challenge**.



### ORIENTEERING MAP KEY

	major road
	dirt road, parking area
	vehicle track
	wide footpath, jeep trail
	small footpath
	less distinct footpath
	power line
	fence
	ruined fence
	building, small building, ruin
	man-made features, cairn
	passable rock face
	impassable or dangerous cliff
	small boulder, large boulder
	stony ground, boulder group
	bare rock/ground
	lake, pond
	seasonal marsh
	intermittent stream
	water pump
	open land
	open with scattered trees
	rough open land
	forest: easy running
	vegetation: slow running
	vegetation: difficult to run
	single tree
	earth bank, pit
	small erosion gully, erosion gully
	earth wall
	hill top, knoll
	depression, small depression
	contour
	index contour
	form line, slope tag
	dangerous area