

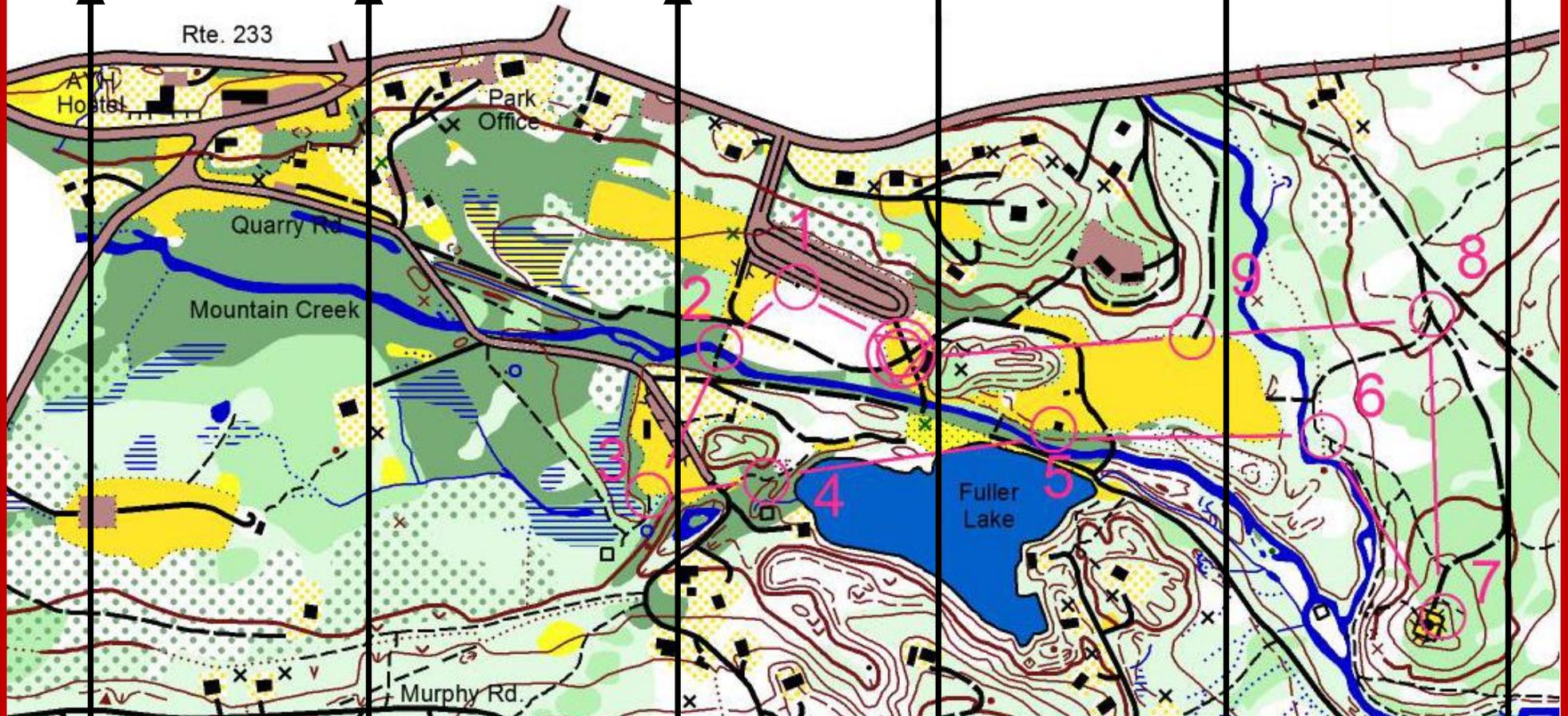
# An Orienteering Map of **PINE GROVE FURNACE**

**Scale** 1:5,000  
**Contours** 5 meters



Magnetic  
North

## White Course



	vegetation: slow run, walk
	vegetation: fight, undergrowth
	open land, rough open land
	open w/scattered trees, sand
	orchard, conifer plantation
	gravel area, broken earth
	distinct vegetation boundary

	paved road, dirt road
	jeep trail, large footpath
	small footpath, indistinct trail
	cliffs, boulders
	boulder field, stony ground
	buildings, ruins, fenced area
	tower, hunter's stand

	contours, form line, downhill tag
	earth bank, erosion gully
	narrow marsh, dry ditch
	seasonal stream, small stream
	wide stream, lake
	deep marsh, crossable marsh
	indistinct marsh, pond

	boundary post, misc. object
	large anthill, rootstock
	small depression, pit
	small knoll, distinct tree
	charcoal terrace, collier's hut ruin
	well, spring

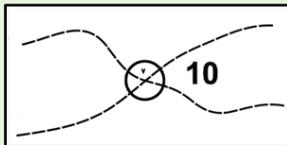
## Instructions:

The “White” course is the easiest course available – perfect for first-time orienteers.

1. Familiarize yourself with the map before you begin. The course begins at the location marked with a pink triangle inside two circles, and then proceeds in order to each of the numbered circles, which are connected by a pink line. You may take any route you like between the controls – a straight line is not always the best route. Terrain, topography and vegetation all affect ease of navigation. Familiarization with the map relative to the fields, roads and features shown is easier if it is held flat and rotated until it is “oriented” to the terrain. Magnetic North lines will help you if you have a compass, but you will find the map is detailed enough that you should not need one on this course.
2. Upon reaching each control, read the single-letter code printed on the *marker post* (see illustration below). Write this code in the appropriate box on the control card on this page. To time yourself use the spaces provided on the control card. You can check your codes for accuracy when you finish by asking park office staff.

## An Example:

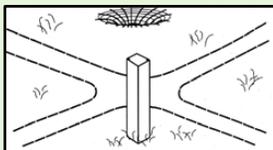
Consider an imaginary control #10. Suppose it is marked on the map like so:



Referring to the map legend, you note that the control location – the point at the center of the pink circle – seems to be a crossing of two trails. To check the terrain feature on which the control is located, consult the description for #10 on the provided clue sheet:

10	35	Trail junction
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After navigating, you finally arrive in the vicinity of control #10. You see it precisely where it should be – at the trail junction. Check the control number on the post (35), then write the letter or symbol (A) in box #10 on the code card. That’s it!



On to the next control!

Clue Sheet		White Course
1.7 km, 1 mile		
	Control Number	Clue
1	19	Boulder
2	37	Bridge
3	48	Trail, north end
4	26	Trail bend
5	45	Building
6	10	Trail / Ditch crossing
7	28	Fence, northwest corner
8	39	Trail junction
9	57	Trail junction

## Code Card White Course

Start Time : Finish Time :

1	2	3	4	5
6	7	8	9	



## For More Information

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Pine Grove Furnace State Park

# Orienteering Course



Improve your knowledge of geography and practical navigation. Find the fastest route between controls and enjoy nature’s beauty.



**pennsylvania**  
DEPARTMENT OF CONSERVATION  
AND NATURAL RESOURCES