



ORIENTEERING | PERMANENT COURSE

Brandywine Creek State Park

New Castle County, Delaware

LEGEND

- paved road
- pavement, gravel
- dirt road
- vehicle trail
- large foot path
- small foot path
- indistinct path
- narrow ride
- stone wall
- ruined stone wall
- fence
- ruined fence
- uncrossable fence
- power line
- building
- ruin
- hunter's stand, misc. object
- cairn, rocky pit, tower
- boulder: small, large
- passable cliff
- impassable cliff
- boulder field, stony ground
- contours, form line
- gully, dry ditch
- small knoll, depression
- pit, broken ground
- earth bank
- earth wall
- ruined earth wall
- rootstock*, charcoal terrace*
- stream: wide, small
- small pond
- spring, waterhole, well
- lake, uncrossable river
- intermittent stream
- narrow marsh
- marsh, diffuse marsh
- open land, rough open
- open with scattered trees
- rough open with scattered trees
- vegetation: forest, slow run
- vegetation: walk, fight
- undergrowth: slow run, walk
- distinct vegetation boundary
- cultivated land, settlement
- distinct tree
- out of bounds

* not an IOF symbol



SCALE 1:10,000 | CONTOURS 5 meters

0 meters 250

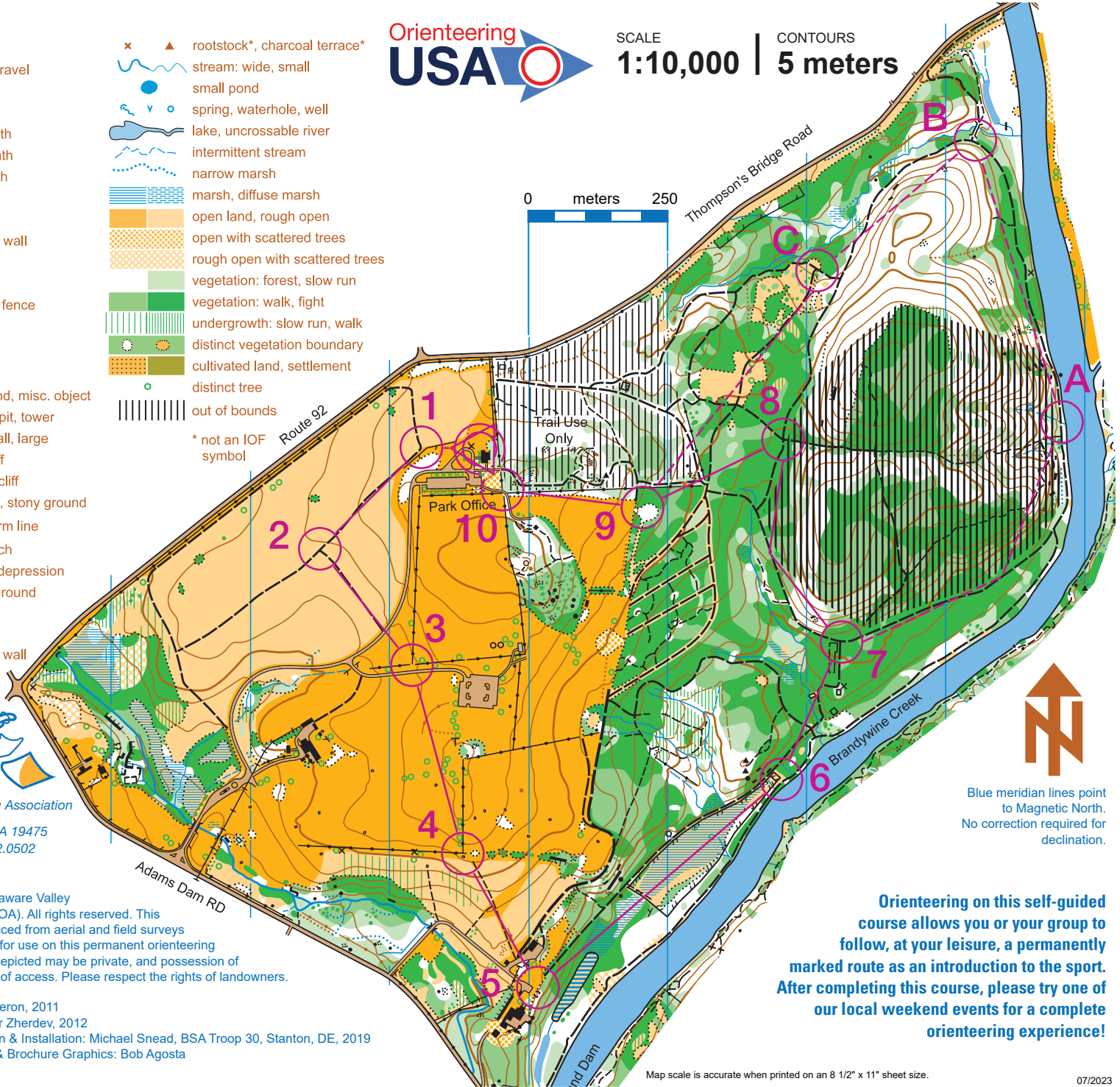


Delaware Valley Orienteering Association

14 Lake Drive, Spring City, PA 19475
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www.dvoa.org

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Photogrammetry: Eddie Bergeron, 2011
Fieldwork & Drafting: Vladimir Zherdev, 2012
Permanent Course Re-Design & Installation: Michael Snead, BSA Troop 30, Stanton, DE, 2019
DVOA Advisor, Map Update & Brochure Graphics: Bob Agosta



Blue meridian lines point to Magnetic North. No correction required for declination.

Orienteering on this self-guided course allows you or your group to follow, at your leisure, a permanently marked route as an introduction to the sport. After completing this course, please try one of our local weekend events for a complete orienteering experience!

Map scale is accurate when printed on an 8 1/2" x 11" sheet size.



Brandywine Creek State Park Permanent Orienteering Course Control Sheet					
Short Course		3.1 km distance (1.93 miles)		65 m climb (213 feet)	
Control # / Letter Code		Control Descriptions		Control Descriptions (Text)	
▷	S/F	■	└	└	Building Northwest Corner
1		┌	└		Path Bend
2		┌	└		Path Junction
3		▬	└	┌	Wall Junction, Between
4		▬		┌	Wall, Lower Part
5		□			Ruin
6		┌		└	Fence, East Corner
7		┌	└		Path Junction
8		┌	└	✕	Path Path Crossing
9		▬		○	Vegetation Boundary Northwest Edge
10		▬		┌	Wall, South End
○		85 m (279 feet) to Finish		○	

Note:

This orienteering course offers two variations, a short course and a long course. The short course includes control locations 1 through 10 while the long course includes additional controls A through C which are inserted between controls 7 and 8.

Scouts BSA:

Scouts who need an orienteering course to complete First Class requirement 4a can use the Short Course. Scouts must also demonstrate measuring distance to complete requirement 4a.

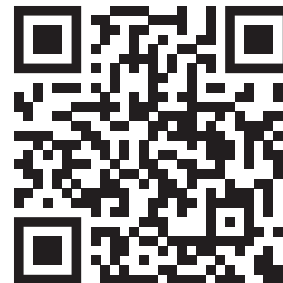
Scouts who need a second course for the Orienteering Merit Badge can use the Long Course.

To check control letter codes, mail a copy of your noted course control sheet to: DVOA, 14 Lake Drive, Spring City, PA 19475.

Please include your phone, email, or mailing address for a reply.

After completing this course, please try one of our local weekend events for a complete orienteering experience!

Brandywine Creek State Park Permanent Orienteering Course Control Sheet					
Long Course		4.5 km distance (2.80 miles)		85 m climb (279 feet)	
Control # / Letter Code		Control Descriptions		Control Descriptions (Text)	
▷	S/F	■	└	└	Building Northwest Corner
1		┌	└		Path Bend
2		┌	└		Path Junction
3		▬	└	┌	Wall Junction, Between
4		▬		┌	Wall, Lower Part
5		□			Ruin
6		┌		└	Fence, East Corner
7		┌	└		Path Junction
A		┌	└	✕	Path Watercourse Crossing
B		┌		┌	Bridge, South End
C		▬			Vegetation Boundary
9		▬		○	Vegetation Boundary Northwest Edge
10		▬		┌	Wall, South End
○		85 m (279 feet) to Finish		○	



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Name _____

Mailing Address _____

Email _____

Phone _____

Date Course Completed _____

Start Time: _____

End Time: _____

ORIENTEERING - What is it?

Orienteering is a sport of Scandinavian origin. The game's objective is to locate fairly easy-to-find markers in the woods with the aid of a map and, if you like, a compass. The challenge of orienteering results from participants' not knowing ahead of time the markers' locations. The test lies in determining the best routes between these locations and, in the sport's competitive form, in finding all these points (called controls) in the least possible time. At its best, not only does orienteering improve your knowledge of geography and practical navigation, it enhances physical and mental fitness as well.

Orienteering is a sport for people of all ages, abilities, and gender. Participants can travel alone or in groups, running or strolling, to win the contest or merely to savor nature's beauty, which, as any orienteer will attest, is winning itself. The sport provides excellent family fare.



INFORMATION

Brandywine Creek State Park was originally a portion of the du Pont family's Winterthur estate and dairy farm before becoming a state park in 1965. The park contains the first two nature preserves in Delaware - Tulip Tree Woods and Freshwater Marsh. A third nature preserve on the property, Flint Woods, is home to species of rare song birds and an old-growth forest.

For information about park activities, contact: Brandywine Creek State Park, 41 Adams Dam Road, Wilmington, DE 19807, 302.577.3534. www.destateparks.com/BrandywineCreek

For information about local orienteering events, other area permanent courses, and club membership in eastern Pennsylvania, southern New Jersey, and Delaware, or for copies of this and other orienteering maps, please contact:

Delaware Valley Orienteering Association (DVOA), 14 Lake Drive, Spring City, PA 19475, 610.792.0502, frankdvoa@aol.com, or visit our web site at www.dvoa.org.

For a complete orienteering experience, please try one of our local weekend events. You can find the schedule at www.dvoa.org. Membership entitles you to reduced map fees at all of our events.

Congratulations and thank you for participating!

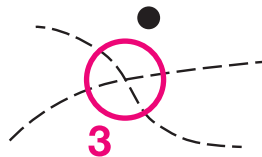
INSTRUCTIONS

1. Reference the course control sheet for course distance and total course climb. The course begins at the parking lot, indicated on the map with a triangle symbol. The course ends at the start location, indicated on the map with a double circle symbol.
2. Familiarize yourself with the map before you begin.

NOTE: Familiarization with the map relative to the fields, roads, and features shown is easier if you hold the map flat in front of you and rotate it until it is "oriented" to the terrain. Magnetic North lines will help if you have a compass, but you will find that the map is detailed enough that you may not need one on this course.

3. Set out to visit the controls in the sequence outlined on the map starting at the start triangle and proceeding towards control #1. Upon reaching each control, record, on the course control sheet provided, the letter code shown on the marker post placard (see illustrations to the right). You may also want to time yourself from start to finish.

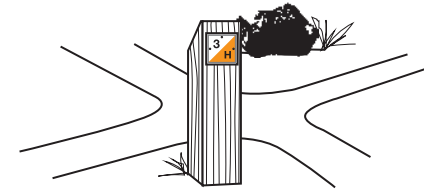
As an example, consider an imaginary control #3, marked on the map as shown below:



Referring to the map legend, you note that the control location, the point at the center of the circle, seems to be crossing between two paths. To confirm the terrain feature on which the control is located, look at the description and feature symbols provided on the sample control sheet shown below.

Permanent Orienteering Course Control Sheet				
Short Course	2.2 km distance (1.4 miles)	27m climb (90 feet)		
Control # / Letter Code	Control Descriptions		Control Descriptions (Text)	
▶	■			Start Triangle Building (Park Office)
1	/	/	Y	Road Junction
2	▲	1.7	○	Boulder, 1.7m Height, North Side
3	/	/	Y	Trail Junction

Suppose, after a fairly challenging and satisfying amount of navigation, you finally arrive at the vicinity of control #3. To your delight, you sight it precisely where it should be: at the foot path trail junction.



Take a closer look; you will notice the control number and letter code on the marker post placard.



By recording the letter codes in the appropriate box on the control sheet, you provide proof of your visit to the control for later verification.

2	A		▲	
3	H		/	/

That's it! You're off to your next control, and so on to the finish.



SAFETY NOTES

Maintaining a steady pace, the course at Brandywine Creek State Park can ordinarily be completed within 60-90 minutes. It is wise to take this into consideration, especially when setting off towards dusk.

On the remote chance you become hopelessly disoriented, make your way south and west to the Park Office, open areas and entrance on Adams Dam Road. Remember that the sun rises in the east and sets in the west.

Some areas of the park may be hazardous. We told the Park Rangers we would remind you that you are responsible for you and your groups' safety.

