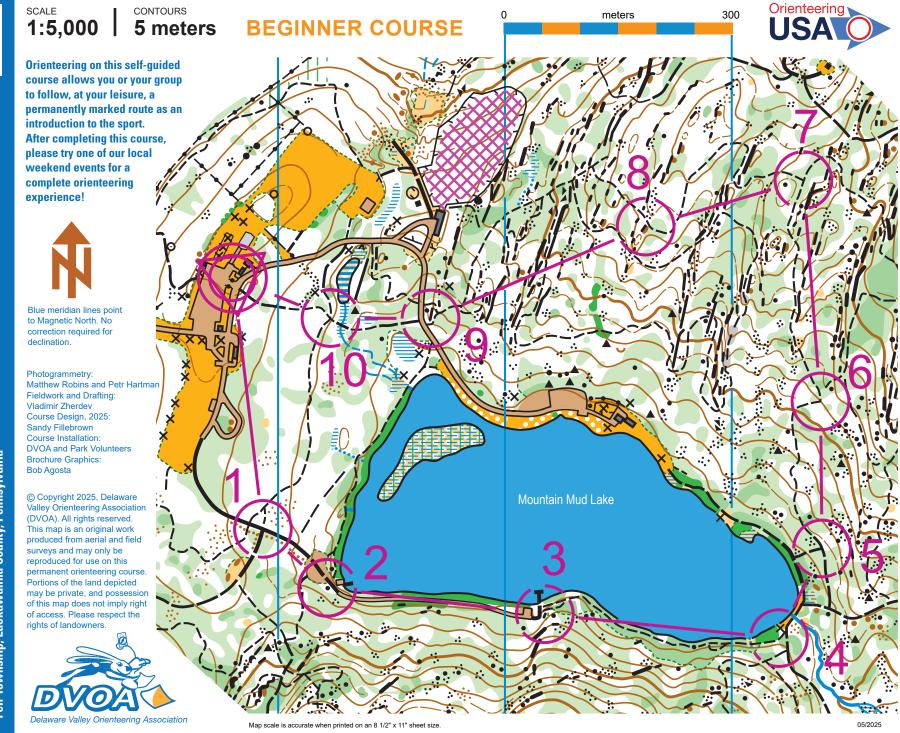
Merli-Sarnoski Park



Merli-Sarnoski Park

	Merli-Sarnoski Park Permanent Orienteering Course Control Sheet									
Beginner Course (Moderate)						distanc niles)	e	60m climb (197 feet)		
Control # / Letter Code					Control D	escription	ıs	Control Descriptions (Text)		
\triangleright		S/F					Ö	Parking Lot, Northeast Side		
1	31		/	/	/	Y	Q.	Southeastern Road Path Junction, Southwest Side		
2	32					0.5	Ċ	Boulder, East Side 0.5 Meter Height		
3	33		1	ш		2.0	O	Northern Cliff, North Foot 2.0 Meter Height		
4	34		\	*			Q	Northwestern Thicket Southeast Edge		
5	35			/	/	Y	O	Path Path Junction Northwest Side		
6	36			/		<	O.	Path Bend, Northeast Side		
7	37			/	/	Y	Q.	Path Path Junction Southwest Side		
8	38		\rightarrow	Е		1.0	Ö	Eastern Cliff, Northeast Foot 1.0 Meter Height		
9	39		/	ш		1.0	O	Southwestern Cliff, Southwest Foot, 1.0 Meter Height		
10	40			/	/	X	O	Path Path Crossing Northwest Side		
	O< 140m (459 feet) to Finish > O							>©		

Note:

Merli-Sarnoski Park offers three different orienteering course maps to fit your skill level - Beginner, Intermediate, and Advanced. All courses begin and end at the start/finish (S/F) control post shown on the map as a purple triangle and double circle.

Scouting America:

Scouts who need an orienteering course to complete First Class requirement 4a can use the Beginner Course. Scouts must also demonstrate measuring the height and/or width of designated features in the landscape to complete requirement 4a. Scouts who need a second course for the Orienteering Merit Badge should complete the Intermediate or Advanced 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, and mailing address for a reply.

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

MAP LEGEND

paved road
pavement, gravel
dirt road
vehicle trail
large foot path
small foot path
indistinct path



uncrossable fence

→ stone wall→ ruined stone wall

power line
building

ruir

T × hunter's stand, misc. object

v + cairn, rocky pit, towerboulder: small, large

passable cliff impassable cliff

boulder field, stony ground

contours, form line

small knoll, depression
v pit, broken ground

earth bank
earth wall

← ← ← ruined earth wall

x a rootstock*, charcoal terrace*
stream: wide, small

small pond

v o spring, waterhole, well

lake, uncrossable river

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

o cultivated land, distinct tree

* not an IOF symbol



Mailing Address

Email

14 Lake Drive, Spring City, PA 19475 frankdvoa@aol.com, 610.792.0502 www.dvoa.org

05/2025

End Time:

Start Time:

Date Course Completed

Phone

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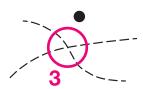
INSTRUCTIONS

- 1. Reference the course control sheet for course distance and total course climb. The course begins near the main Pavilion, indicated on the map with a triangle symbol. The course ends at the start location, indicated on the map with a double circle symbol.
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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.

	Permai	Permanent Orienteering Course Control Sheet					
Short Course			2		distanc niles)	27m climb (90 feet)	
Control # / Letter Code			(Contro l D	escription	18	Control Descriptions (Text)
\triangleright			-				Start Triangle Building (Park Office)
1			/	/	Y		Road Junction
2			A		1.7	Ċ	Boulder, 1.7m Height, North Side
3			/	/	X		Trail Crossing

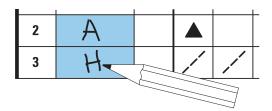
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By recording the letter code in the appropriate box on the control sheet, you provide proof of your visit to the control for later verification.



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



SAFETY NOTES

At a moderate pace, the Beginner course at Merli-Sarnoski Park can ordinarily be completed within 45-60 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 down to the lake and follow the lake shore trail around to the access road. Remember that the sun rises in the east and sets in the west.

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1:7,500 | 5 meters

INTERMEDIATE COURSE





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!

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Photogrammetry: Matthew Robins and Petr Hartman Fieldwork and Drafting: Vladimir Zherdev Course Design, 2025: Sandy Fillebrown Course Installation: **DVOA and Park Volunteers Brochure Graphics:** Bob Agosta



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

Merli-Sarnoski Park **Permanent Orienteering Course Control Sheet Intermediate Course** 3.6 km distance 150m climb (492 feet) (Difficult) (2.2 miles) Control # / Letter Code Control Descriptions Control Descriptions (Text) S/F \triangleright Parking Lot, Northeast Side Southeastern Road Path 1 31 0 Junction, Southwest Side 2 Eastern Spur 41 0 Northwestern Part Boulder, Southwest Side 3 42 0 1.0 1.0 Meter Height Cliff, West Foot 4 60 ПП 2.0 LO 2.0 Meter Height Northern Boulder, West Side 5 43 •0 0.5 0.5 Meter Height 6 45 Re-entrant, Upper Part 7 0 Ö 46 Middle Hill, Northwest Side Lower Cliff, North End 8 _ 47 \Box 3.0 3.0 Meter Height 9 48 0 Hill, Northeast Part Southwestern Cliff, Southwest 10 39 ПП 1.0 Foot, 1.0 Meter Height Path Path Crossing 11 40 Northwest Side 0< \gg 140m (459 feet) to Finish

Note:

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× hunter's stand, misc. object

+ cairn, rocky pit, tower

boulder: small, large

impassable cliff

contours, form line

gully, dry ditch

pit, broken ground

earth bank

earth wall

-- ruined earth wall

stream: wide, small small pond

 spring, waterhole, well lake, uncrossable river

intermittent stream

marsh, diffuse marsh

open land, rough open

vegetation: walk, fight

park boundry, out of bounds

* not an IOF symbol

undergrowth: slow run, walk

distinct vegetation boundary

cultivated land, distinct tree

open with scattered trees

rough open with scattered trees vegetation: forest, slow run

narrow marsh

boulder field, stony ground

small knoll, depression

rootstock*, charcoal terrace*

passable cliff



Mailing Address

Email

End Time:

Start Time:

Date Course Completed



14 Lake Drive, Spring City, PA 19475 frankdvoa@aol.com, 610.792.0502 www.dvoa.org

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INFORMATION

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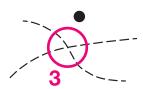
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As an example, consider an imaginary control #3, marked on the map as shown below:



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.

	Permai	Permanent Orienteering Course Control Sheet					
Short Course			2		distanc niles)	27m climb (90 feet)	
Control # / Letter Code			(Contro l D	escription	18	Control Descriptions (Text)
\triangleright			-				Start Triangle Building (Park Office)
1			/	/	Y		Road Junction
2			A		1.7	Ċ	Boulder, 1.7m Height, North Side
3			/	/	X		Trail Crossing

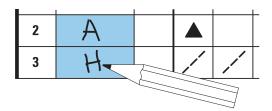
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That's it! You're off to your next control, and so on to the finish.



SAFETY NOTES

At a moderate pace, the Beginner course at Merli-Sarnoski Park can ordinarily be completed within 45-60 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 down to the lake and follow the lake shore trail around to the access road. Remember that the sun rises in the east and sets in the west.

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1:10,000 | 5 meters

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

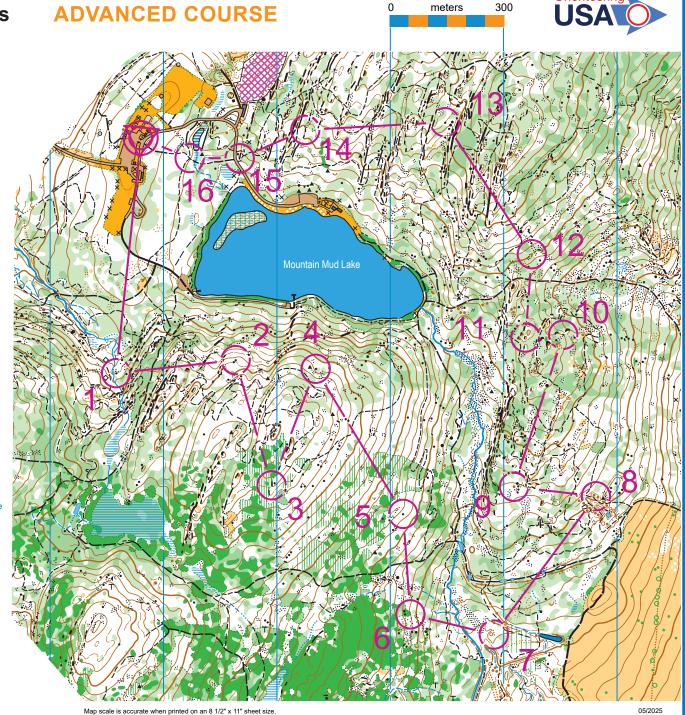
Photogrammetry:

Matthew Robins and Petr Hartman Fieldwork and Drafting: Vladimir Zherdev Course Design, 2025: Sandy Fillebrown Course Installation: DVOA and Park Volunteers Brochure Graphics: Bob Agosta

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oski Park

		Pe	ermane			noski g Cour		rol Sheet
Advanced Course (Most Difficult)				5.2 km distance (3.2 miles)				200m climb (656 feet)
	Control	# / Letter Code		(Control D	escriptior	ıs	Control Descriptions (Text)
\triangleright		S/F					Ö.	Parking Lot, Northeast Side
1	42					1.0	0	Boulder, Southwest Side 1.0 Meter Height
2	50					0.5	Ō	Boulder Boulder, West Side 0.5 Meter Height
3	44		7	ш		1.5	0,	Northeastern Cliff, South Foot 1.5 Meter Height
4	54					1.0	Ċ	Boulder, East Side 1.0 to 1.4 Meter Height
5	55					0.8	Q.	Boulder, Southwest Side 0.8 Meter Height
6	56			\geq			0.	Vegetation Boundary, East Side
7	53			·iji			\perp	Erosion Gully, South End
8	52			•	•		<u>-</u>	Knoll Knoll, Between
9	51			•			·O	Knoll, West Side
10	59			m		1.2	Ŀ	Middle Cliff, Foot 1.2 Meter Height
11	46			0			Ö	Middle Hill, Northwest Side
12	57			•		1.5	Ċ	Knoll, East Side 1.5 Meter Height
13	58		←			1.2	O.	Western Boulder, Northeast Side, 1.2 Meter Height
14	49			ш		1.0	_•	Middle Cliff, Foot 1.0 Meter Height
15	39		/	ш		1.0	O	Southwestern Cliff, Southwest Foot, 1.0 Meter Height
16	40			/	/	X	Ö	Path Path Crossing Northwest Side
	><		1	40m (45	9 feet)	to Finis	h	>0

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MAP LEGEND



park boundry, out of bounds

* not an IOF symbol





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

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

Delaware Valley Orienteering Association

Mailing Address

Email

Name

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Permanent Orienteering Course Control Sheet								
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Control # / Letter Code			(Control De	escription	Control Descriptions (Text)		
\triangleright			-				Start Triangle Building (Park Office)	
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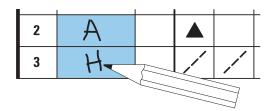
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