

EVENT NOTES, COURSE SETTER'S NOTES AND SCHEDULE SUMMARY

SATURDAY: US RELAY CHAMPS, INTERCOLLEGIATE RELAYS AND TEMP-O AT FAIR HILL

The Saturday event center and arena are remote and there is no parking allowed; there will be busing to and from the parking lot and the event center all day. All relays will use the same start, finish and exchange zone configuration.

Saturday Directions and Parking: Parking for all Saturday events, the US Relay Championship, the IC Relay Championships and the Temp-O, will be in the Fair Hill parking lot on DE Rt. 273, approximately one half mile east of the intersection with DE Rt. 213. It is located at GPS coordinates 39.701929, -75.859582. From the north, exit I-95 at Exit 1B and take DE- 896 north. Stay on S. College Ave. into Newark. Turn left onto DE-273 and go ~6 miles (it turns into MD-273 after about 1 mile). The parking will be on the right. From the south, exit I-95 at Exit 100A and take MD-272 north approximately 5.5 miles to the intersection with MD -273. Turn right onto Rt. 273 and go ~6.5 miles. The parking will be on the left.

Buses: First bus, 9.00am. The bus ride is approximately five miles, or fifteen minutes. Don't leave it until the last minute to get onto the buses. Remember to take with you everything you need for the day. The bus will pass the arena area, and then drop you off at the event center. Allow time to walk the 550m back to the arena. On both days, dogs are not allowed on the buses, or courses.

Toilets will be available at the event parking, at the event center and at the arena.

Schedule:

- 8.00am – 9.00am: Temp-O competitive window
- 8:30am – 10:00am: Packet pick-up and relay registration at the Saturday parking, Fair Hill.
- 9:30am – 11:30am: Temp-O open
- 10:00am: Deadline for Relay Team registration
- 11:00am: US Relay Championships mass start
- 1:00pm – 3:00pm: Temp-O open
- 2:00pm – US Intercollegiate Relay Championship mass start
- 3.15pm (or as soon as the Intercollegiate Relays conclude): Awards for both Relays

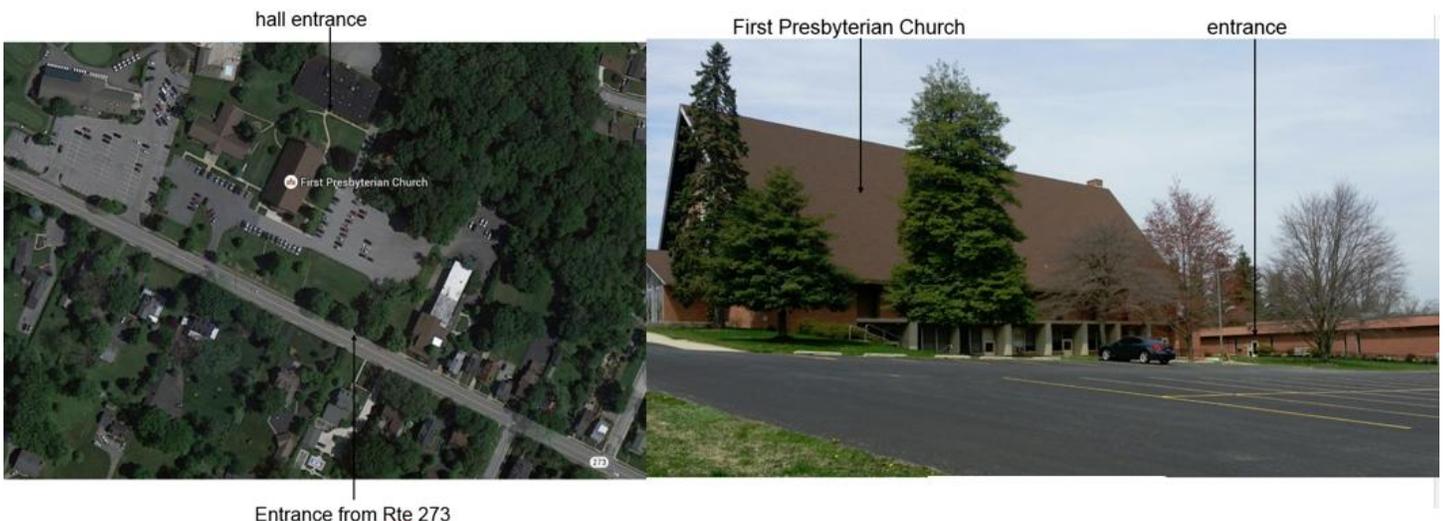
Sandwiches: If you have paid for sandwiches they can be picked up at the pavilion. A limited number will be available for sale.

Dinner: 6:00pm, First Presbyterian Church, 292 West Main Street, Newark DE (39.686847, -75.763086)

On Rte. 273, 0.8 miles west of Newark, 5.2 miles, 10 minutes, from the Comfort Inn and Suites.

Menu: salads, chicken with broccoli, baked ziti, lasagna, spaghetti, rolls, butter, desert, coffee etc.

There are no tickets left; tickets will be in the registration packets.



Saturday Course Setter's Notes (Fair Hill)

Course Setter: Clem McGrath

The map scale is 1:10,000 with 5m contour interval. The mapping was done by Marian Cotirta, who was responsible for WOC 2011 mapping (France). It is a fully expanded and revised map of DVOA's Fair Hill Mason Dixon map. Generally, the terrain is fast, while hilly. It is roughly half forested and half open (yellow). Some fields are bordered by fence, requiring precision entry/exit. There is other vegetation detail, but most woods are open (white). There is minimal rock, and the area is covered by a moderate trail network. Control descriptions will be available on the maps only. All maps from all relays will be collected as runners finish. They will be released at the conclusion of the IC Relay Championship.

Warm-up Map: We encourage all runners to check out the warm-up area to become familiar with the mapper's style.

Map Notes: The map was field-checked over several weeks in November 2013. There were normal levels of rainfall at the time. No snow cover. The map has seen very minor edits in February 2014. The important aspects to note involve vegetation and dot knolls. Almost all dot knolls on the map started as a rootstock. That rootstock may have been exposed 20 years ago, and subsequently decayed, or it could have been uprooted in the past few months. In both cases, the mapper may have opted to map it as dot knoll. How should a runner interpret rootstocks in the terrain, to anticipate the map picture? Basically, if the gestalt is dominated more by dirt, it is a dot knoll. Again, it might be a tree that fell over the day before the field-checker found it. On the other hand, if less dirt and more wood, probably a rootstock. Rootstocks can also denote ruined trees that are still standing, i.e., a prominent stump.

The other less typical vegetation treatment is the utilization of short linear stretches of dark green. Almost all of these denote a tree trunk that would impede movement. Some of these have a don't knoll terminus (the dirt shrouded root mass of the tree.) But, there are lots of fallen trees in the forest. How to tell which are on the map? A rough rule of thumb is if a normal runner cannot stride over it while running (and would rather need to slow and possibly climb over) it will likely be mapped in this way. In most cases, these trunks can be surmounted without too much difficulty, but reading ahead, and vectoring to either end, may be a better strategy.

There is a very low standard for boulders. They may be on the map if greater than 0.3 meters in height.

General Course Notes

- For the US Relay Championships, legs 1 and 2 are forked. Leg 3 is not forked.
- For the Intercollegiate Relay Championships, all legs are forked.
- For IC Team scoring purposes only, there is a two hour total-time limit on the Intercollegiate Relay.
- Control descriptions will be on the maps, but not given out in advance.
- Maps will be collected at the finish and released after the Intercollegiate Relay Championships are decided.
- Controls may be in close proximity, but not closer than 30 meters.
- There will be a single water stop at one control on all of the 3 point US Relay Championships courses, and the longest 2 legs (1 & 2) of the 9 point category. These are indicated in the control description. There is one water stop at a control on the 2nd leg of the 6 point category course(s). This water stop is **not** indicated in the control descriptions. This water stop is approximately 50% of the way through the course (by distance.) There are no water stops at controls in the Intercollegiate Relay Championships.

Notes for Runners

Courses will be contested mostly across recently mowed meadows and through blindingly fast woods. Climb is low to moderate and footing very good. For long stretches, there may be nothing to impede top-end running speed whatsoever. However, this is not true for 100% of the course. There are short stretches that will involve briars. These briars are vicious. A glancing blow will rend flesh. Full body covering is advised; it would be sheer folly to wear shorts. While even the most adroit elite will be scratched, discomfort will be reduced by reading ahead, reading carefully to note paths of least resistance—particularly along field edges—and avoiding vertical green slash.

Relay Logistics

*****IMPORTANT INFORMATION FOR RELAYS*****

Clear and Check: Please remember to clear and check your SI card. There will be multiple stations for this available in the arena area. We will also be using a special check station that MUST be used by all relay runners. This is to verify that people are using the correct SI-card and that we have them in the computer in the correct leg order. It will also make the announcing and results much more accurate.

Leg 1 Runners and Mass Start Runners: We will have you check this box before you receive your map.

Legs 2, 3 and in the case of the IC Relay leg 4: The check box will be immediately inside the holding pen and must be punched on entering the holding pen.

Start: There is no start punch. The start of the races will be precisely at 11:00AM (US Relay) and 2:00PM (IC Relay). The runners' time starts at the respective mass start time.

First leg runners will be called into the start chute approximately 15 minutes before the mass start. Designated maps will be distributed by event staff to each runner, placed on the ground in front of the runner. Runners will punch the special check station at this time.

Upon the announcement of the start of the race, runners pick up their maps and commence orienteering.

In the US Relays, all divisions start at the same time. Courses are forked, different courses/divisions may have different first controls.

The starting line for leg 1 is in the middle of the start triangle.

Handoffs (prior to last leg runner finish):*The transition is the most important aspect prior to the finish of the final runner!*

The finishing runner (runner A) of each leg (except the last) proceeds from the last control up the finish chute to the tag zone where he/she physically tags his/her subsequent runner (runner B).

Runner A proceeds down the finish chute a little further, before punching the "transition" control underneath the finish arch (this is the "finish line" and where runner A's time stops.) Runner A then proceeds further down his/her chute to the download. We encourage all transitioning runners to punch quickly, and move away from the finish line so as not to cause a traffic jam. You've already tagged your runner moments before—that was your primary responsibility.

Meanwhile, runner B, upon being tagged, runs down the start chute to the map boards, on the left. In the US Relay Champs, these will be arranged by division: first 3 point, then 6 point, finally 9 point—each on a different "board".

There will be two maps on the board for the US Relay Champs and three in the IC Relay Champs. The earlier leg(s) are at the top; subsequent leg(s) lower.

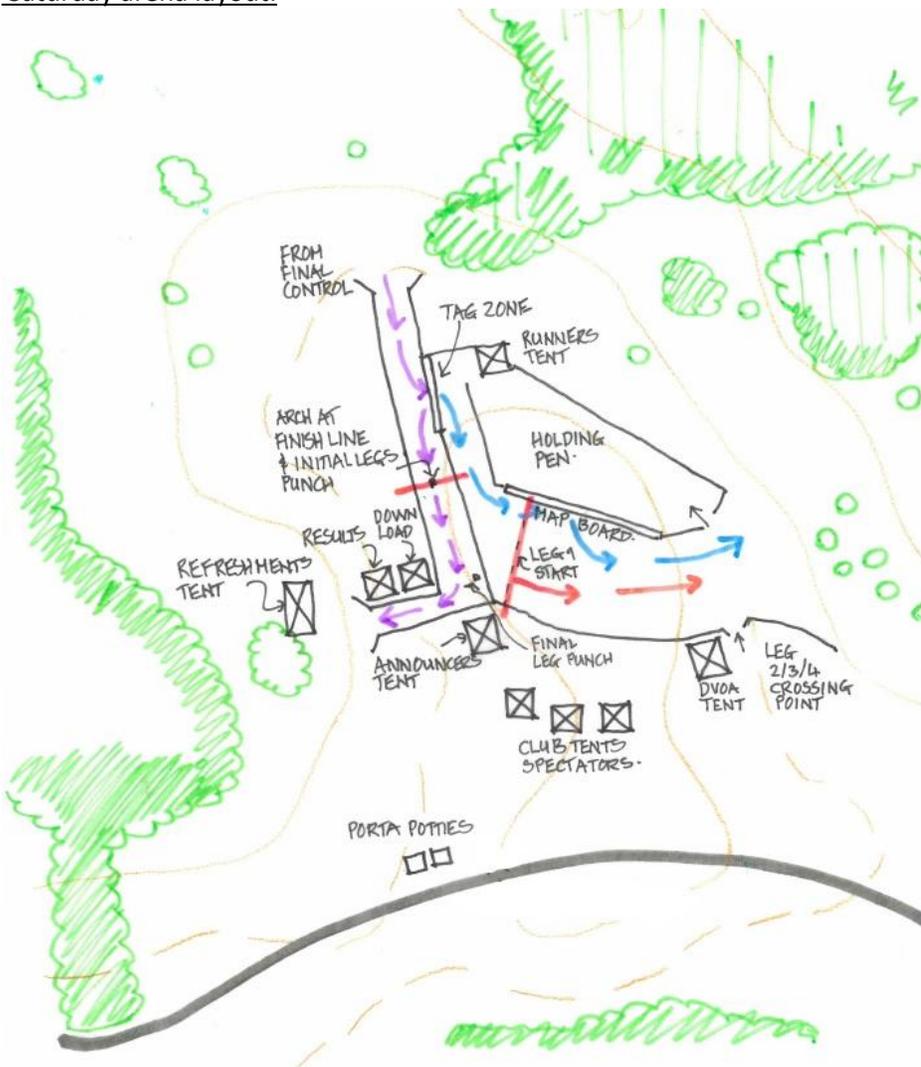
Maps will be arranged on the board face-down. Each map has the leg and team number printed on the back. The first digit is the leg, the second two the team. The leg is indicated in a different color. In the US Relays, leg colors are blue, red, green. In other words, for team 1, their maps will be designated: **101**, **201**, **301**. In the IC Relay, team 86 maps will be designated by **186**, **286**, **386**, and **486**. (Recall that the organizers will provide the first leg runners in each relay event the appropriate map. This nomenclature is most important for runners 2 through 4. *Numbers on the back of the maps correspond to runners' bib numbers (although bib numbers are printed in uniform colors.)*)

It is the responsibility of the departing runner to take his or her own map. Anyone taking the wrong map will be disqualified. Check that your bib number is the same as the number on the map you take.

Last leg runner finish: The first last leg runner across the finish line (underneath the arch) wins. Placing is determined solely by the order in which runners cross the finish line. However, time (for splits and total elapsed time purposes) is determined when the last leg runner punches in at the finish punch next to the download station. ONLY the last leg runner does this. All earlier runners punch the transition control at the finish line, under the arch. We encourage anyone involved in a close finish sprint to run all the way through the finish and then proceed in an orderly fashion to the finish control. Event staff will assist runners to stay in correct order of finish until they punch in.

Catch up start: If conditions warrant, there may be a catch-up mass start in the US Relay Champs for second and third leg runners. This mass start may occur at some time soon after the winning team's third leg runner finishes. Relevant information and details will be disseminated by the announcing crew as the race develops.

Saturday arena layout:



Fair Hill Strawbridge Fields - Saturday 4/26/14

Leg / Course	Distance (km)		Climb (m)	
	Min	Max	Min	Max
3 Point Relay Teams				
Leg 1 - Green	3.63	3.82	110	140
Leg 2 - Blue	6.90	7.09	175	205
Leg 3 - Orange	3.39		60	
6 Point Relay Teams				
Leg 1 - Brown	2.82	3.01	105	115
Leg 2 - Red	5.40	5.59	185	195
Leg 3 - Yellow	2.78		55	
9 Point Relay Teams				
Leg 1 - Orange	3.49	3.60	95	
Leg 2 - Brown	2.92	3.03	80	
Leg 3 - Yellow	2.78		55	
Intercollegiate Relay Teams				
V1 - Orange	1.72	1.82	45	50
V2 - Orange	2.17	2.18	55	
V3 - Orange	3.01	3.11	100	105
V4 - Orange	1.27	1.29	35	

SUNDAY: INDIVIDUAL CLASSIC COURSES AND INDIVIDUAL INTERCOLLEGIATE CHAMPIONSHIPS AT WHITE CLAY CREEK

The Sunday arena is at the main parking area. Recreational White and Yellow courses start nearby while all other courses require a bus ride and a walk to Start as noted below.

Sunday Directions and Parking: Parking for the Sunday courses will be in the White Clay Creek parking lot just off DE-896; it is located at GPS coordinates 39.712445,-75.77700. From I-95, take Exit 1 or 1B to DE-896 North into Newark. Stay on S. College Ave. and then turn left onto DE-273. Turn right on DE-896/New London Rd and go about 2.5 miles. The park entrance will be on your right. (DE-896 is one-way the wrong way for a bit so you cannot just stay on DE-896.)

Park entrance fee: When you enter the Park there will be a booth. Tell the attendant you are part of the orienteering group. You do not need to pay any money. DVOA will be billed for each car that enters the Park. There should be no reason for you to leave the park and then re-enter.

Warm-up clothing may be left at the Start call-up line. Your clothing will be taken back to the pavilion near the main parking area.

Toilets will be available at the event parking and the bus drop-off area, but not at the Start, which is in a public area.

Buses: The first bus leaves at 8.00am. Allow plenty of time for the two mile, 10 mins bus ride and the flat 1.2 km walk to the Start, which will take 15-25 mins. Please do not take any heavy bags or rucksacks on the bus. Warm-up clothing only! Warm up is along the trail leading to the start.

Schedule:

- 7:30am – 10:00am: Packet pick-up at White Clay Creek
- 9:00am: First starts. Course time limit is 3 hours.
- 9:30am – 11:30am: Recreational registration and starts.
- 1:00pm (or as soon as possible): Awards

Sandwiches: If you have paid for sandwiches, they will be available to be picked up at the pavilion after the finish. There may be some additional available for sale.

Sunday Course Setter's Notes (White Clay Creek)

Course Setter: Tom Overbaugh

This map is also by Marian Cotirta. The current map has been fully revised and expanded. Compared to Fair Hill, White Clay Creek features similar topography but somewhat different vegetation. There are not as many open fields, there are some white woods, but there is also some slower running, with more medium green areas. There is limited to moderate contour detail. The western half of the mapped area features an extensive trail network, while the (new) eastern area has a more limited trail network. Control descriptions will be on the maps and also available at the Start call-up line. Maps will be collected at the finish and released after the last starts.

Map Notes: The map scale is 1:10,000 with 5m contour interval. Field checking was done in Fall 2013 by Marian Cotirta. A final pass was made in January and February 2014 to update rootstocks and dot knolls. Mapped terrain includes the Carpenter Recreation Area of White Clay Creek State Park and portions of the White Clay Creek Preserve. The White Clay Creek is designated as a National Wild & Scenic River.

Rootstocks and dot knolls are the predominant point features at White Clay Creek. Almost all dot knolls on the maps started as rootstocks. The mapper has used several different symbols to denote rootstocks and dot knolls. The rootstock symbol is used for relatively recent fallen trees that have a vertical or nearly vertical root bulb. In some cases, a green vegetation line may be shown with the rootstock to show the associated tree. Where the root bulb has degraded to be more rounded and is mostly dirt, the dot knoll symbol is used. Dot knolls may also have the green vegetation line attached. Distinct fallen trees without an associated distinct rootstock or dot knoll are shown with only

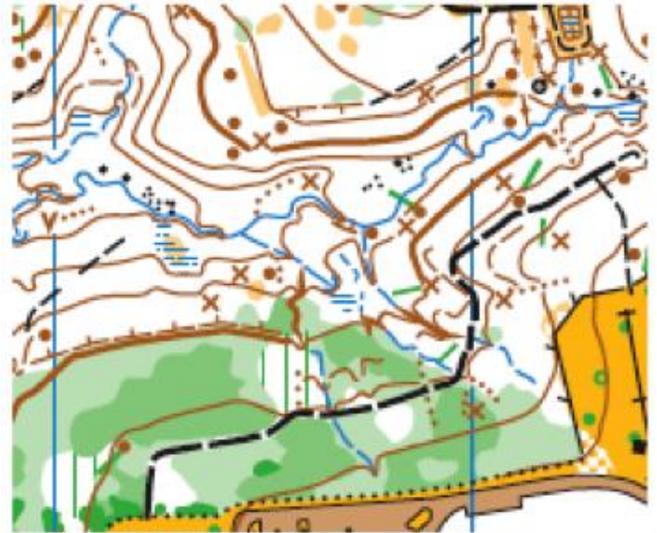
the green vegetation line. Generally, mapped rootstocks are at least 1m high with a few exceptions in some of the more open woods where rootstocks slightly less than 1m have been mapped. Mapped dot knolls are generally at least 0.5 m.

There is a very low standard for boulders. They may be on the map if greater than 0.3 meters in height.

The mapper has chosen to use a new symbol to denote former fence / property lines. The symbol is a dashed brown line with perpendicular slope tags. The lines in the terrain tend to be fairly subtle and are more discernible in the open woodlands. In many cases, the lines cut across contours making it impossible to convey the terrain shape using the more common form line symbol.

Vegetation has been carefully mapped. In addition to the three shades of green, green slashes are used to show areas of undergrowth. The lighter green slash represents undergrowth with slow running. The denser green slash represents undergrowth with difficult running. In both cases, the impediment to running is generally brambles.

A small map sample is shown to the right to demonstrate the mapping convention for rootstocks, dot knolls and former fence lines.



Course Notes

Loose control descriptions will be available at the second start call up line.

All courses cross White Clay Creek (an uncrossable water feature) using a bridge.

Control density is high in some areas. Be sure to check control codes carefully.

There are several out-of-bounds areas. The golf course along the eastern edge of the map may not be crossed. There is a private office complex belonging to Computer Sciences Corporation at the southeastern edge of the map that may not be crossed. There are several private residences within the park that are off limits. All of the above out-of-bounds areas have been marked with purple slash on the maps. If an area is not marked out-of-bounds with purple slash, it may be crossed.

There are road crossings on some courses. Crossings are unstaffed – exercise caution.

Runners on some courses may notice old orange and black signs stating “Danger Shooting Range – Keep Out.” The shooting range is no longer in operation. These signs can be ignored.

The solid dark green vegetation and denser green slash represent uncrossable areas of briars. Vegetation should be considered when planning routes. Leg coverings are recommended.

White Clay Creek State Park - Sunday 4/27/14			
Course	Distance (km)	Climb (m)	Controls
White	3.0	110	14
Yellow	3.6	130	15
Orange	4.3	175	15
Brown X	4.5	180	15
Brown Y	3.6	120	14
Green X	5.6	210	16
Green Y	5.5	230	16
Red	7.6	315	21
Blue	9.9	385	24
White - Rec	2.9	100	14
Yellow - Rec	3.8	135	14

Spectator controls are incorporated near the finish arena. Competitors are encouraged to cheer on runners as they approach the finish.