2025 National Capital Area Council College of Adventure University of Scouting





Aiming Off - to deliberately aim to one side of a control or feature so that you know which way to turn upon hitting the feature before seeing the control.



aiming off - participant aims to the right of the control to the stream and then heads left to following the stream to the control.

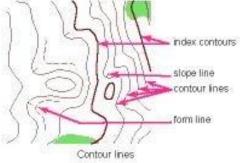
Attack Point - an obvious feature near the control point from which the control can be located by navigating carefully with map and compass.

Bearing - the direction of travel as indicated by the compass.

Catching Feature (also called a Collecting Feature or Backstop) - an obvious feature on the map and ground located beyond a control or other sought after feature which indicates that the target feature has been over-shot.

Check Point - an obvious feature on the map or ground which can be used to check that you are keeping to your chosen route.

Contour - a line on a topographic map that connects points of equal elevation.



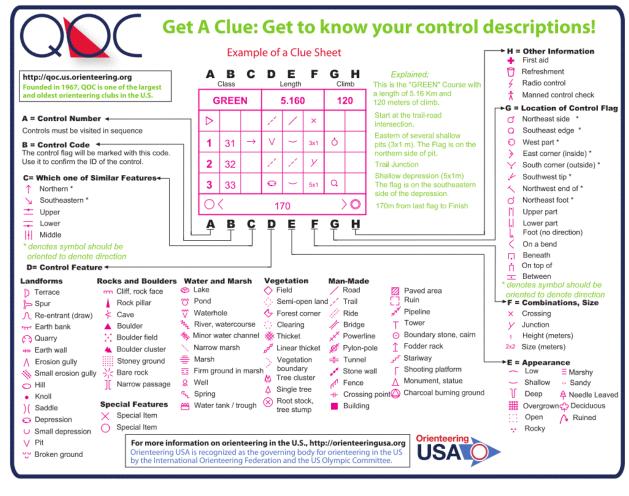
Control/ Control Marker/ Marker- a trapezoid-shaped marker (usually orange or red and white) used to mark features on an orienteering course, usually with a control punch attached to mark a control card as proof of arrival.

Control Circle - a circle drawn around a feature on the map to indicate the location of a control marker. The feature should be in the exact center of the circle.

Control Code - letters (or numbers) on a control marker which enable participants to verify that it is the correct one.



Control Description - a list given to each participant which briefly describes each control feature in order. It also gives the control code.



Control Feature - a natural or man-made feature on or next to which the control is hung.

Control Marker - see control.

Control Number - a number drawn beside each control circle on a map. On a crosscountry course, they indicate the order in which the controls must be visited. The top of the number should point to North.

Control Punch – a small plastic clipper with different designs of pins. Used to verify each control feature has been visited. These have largely been replaced by electronic punches at orienteering club-sponsored events.



Electronic Control Punch



Manual Control Punch

Course - a sequence of control points marked on the map which are to be visited by the orienteer.

Cross Country Course - the classic course used for all major competitions. Control features must be visited in the prescribed order.

Dog-Leg - positioning of a control which favors approaching and leaving a control by the same route, thereby leading other competitors to the control. Course design which results in a dog-leg should be avoided.

Fine Orienteering - precision navigation in detailed terrain usually demanding careful use of map, compass and pace counting, and usually involving short course legs.

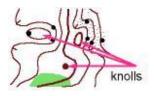
Finish Symbol - If it shares the same location as the start:

If its location is separate from the start:

Folding the Map - orienteers fold their maps to aid concentration on the leg being run, and to facilitate thumbing their position.

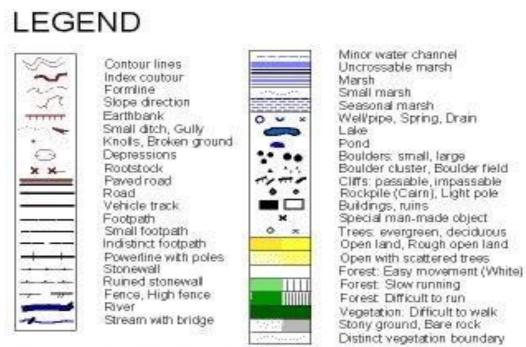
Handrail - A linear feature which closely parallels your route and acts as a handrail to the next control.

Knoll - a small hill.



Leg - a section of a course between two control points.

Legend or Key - a list of the symbols represented on the map.



The above are International Orienteering federation (IOF) symbols.

Linear Feature - a feature that extends in one direction for some distance e.g., paths, fences, stonewalls, and streams. Used as handrails.

Local Meet – an orienteering event organized by a local

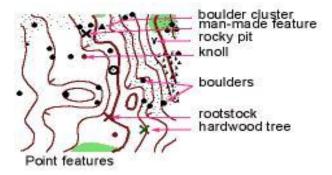
orienteering club (such as the Quantico Orienteering Club) which is less formal than an National Ranking Event.

Orienting the Map - matching the orientation of the map to the features on the ground. This is one of the fundamental skills in orienteering, and leads to successful navigation. The map can be oriented either by comparing the map directly with the terrain or by using a compass to orient to north.

Master Map - a map that may be displayed near the start from which competitors copy their courses onto their blank map. These are rarely used today, as courses are usually pre-printed on the maps.

Pace Counting/ Pacing - a system of counting double-paces (every time the left or right foot hits the ground) to measure distance covered. An orienteer would measure the distance between two points using the scale on the compass and then count his/her paces until the distance was covered. Pacing allows an orienteer to know when he or she has perhaps gone too far and missed the feature they were looking for.

Point Feature - a feature in the terrain that only occupies a small area. Frequently mapped examples are boulders, pits and mounds, stumps, and root mounds. They are not suitable as control sites for novice courses unless they are on a handrail.



Precision Bearing - some compasses can be used to take a precise bearing (direction clockwise from north) which can then be followed in the terrain

Punching - the act of marking the control card with the punch, either manually or electronically.

Reentrant - a small valley running down a hillside. A stream cut into a hillside would create a reentrant-type feature. On a map, the contour lines which describe a reentrant point uphill.

Safety Bearing - a compass bearing which, if followed, will bring a lost orienteer to a road or other major, recognizable feature. It maybe added to the control description list as a safety measure.

Safety Whistle - a whistle which can be used if a participant is injured or lost. The International Distress Signal is six (6) short blasts repeated at one (1) minute intervals.

Score Event - participants visit as many controls as possible within a fixed time, e.g., 30 minutes. More distant or difficult controls are often allotted a higher point value. Points are deducted for each amount of time the orienteer arrives after the allotted time is up, say 5 points for every minute. The person with the most points wins.

Spur - a small ridge.

Start Symbol -a triangle used to locate the start on the map. It should be centered exactly over the starting point, and one apex should point toward the first control.

String Course - a course marked with a continuous string line. These courses are often used with very young children to give them familiarity with the forest.

Thumbing - a technique for holding the map, using your thumb to indicate your present location. To do this properly, it is often necessary to fold the map.



Orienteering Glossary Orienteering Skills and Strategies

Orient Your Map

It is important to orient your map. This means that north on the map is kept physically turned toward north in the real world. Orienteering maps have lines that show magnetic north (not exactly the same as true north). Using your compass, rotate the map so north on the map is turned toward north on your compass. Yes, this means that you will often be looking at your map sideways or upside-down, but that's OK. By keeping your map oriented, you will reduce the tendency to become disoriented yourself.

Stay In Contact

Always keep in contact with the map. This means that you should know at all times exactly where you are on the map, and what direction you are heading. In order to accomplish this, keep your map oriented. Constantly glance from the map to the terrain and back again. Note features on the map, and make sure you can identify them in the landscape around you, and vice-versa. If something doesn't look right - maybe there is a feature on the map that you don't see around you - stop immediately and reorient yourself. Don't just keep going - you'll have a worse time figuring out where you are.

Reorient Yourself

If you do become disoriented, use your compass to orient yourself and your map. Try to identify features in the terrain around you that you can positively identify on the map. Look for things like trails, power lines, buildings, streams, and such that are reasonably easy to identify. If this doesn't work, another strategy is to go back the direction you came from until you start seeing familiar features. Reorient yourself, plan a new route, and go.

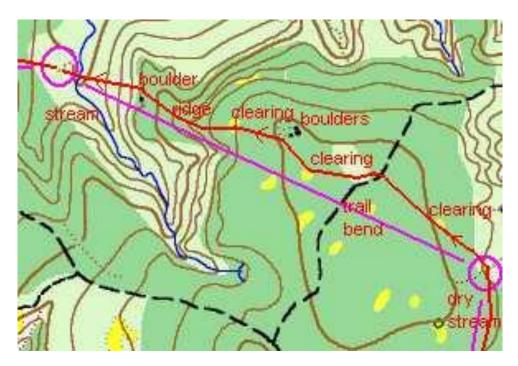


Handrails

Use linear features as "handrails". A handrail is any linear feature - like a trail, power line, stream, fence, or vegetation boundary - that you can "hang on to" or follow. As you plan your route, look for things you can follow. On your first course or two, these will probably be trails or roads that are very easy to follow. As you begin doing intermediate level courses, start looking for streams, ridges, or vegetation boundaries. Following a handrail may make your route slightly longer, but the advantage is that you are much less likely to become disoriented or lost.

Break It Up

Often, on advanced courses, there are no true linear features to follow. In these instances, look for a series of features that more or less make a line in the direction you wish to travel. Break the route into several smaller ones.



For instance, you might:

- Start at a dry stream.
- Pass a clearing.
- Follow the trail until it bends left.
- Pass a clearing.
- Pass a cluster of boulders.
- Pass another clearing.
- Follow a ridge past another boulder.
- Go downhill to the stream, and
- Follow it until you find the control marker.



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Date Feb. 8 Sat.	Event <u>Fountainhead Regional Park, Main</u> parking area, Fairfax Station, VA	Details Bumble
Feb. 16 Sun.	Little Bennett Regional Park. Pleasants Construction Parking	Classic
Feb. 22 Sat.	Balls Bluff Regional Park, LDS Church parking, Leesburg, VA	Classic
Mar. 2 Sun.	King's Landing, Main parking area, Huntingtown, MD	Classic
Mar. 9 Sun.	George Mason University	Sprint
Mar. 16 Sun.	Prince William Forest Park, Camp 5 - Happyland, Triangle, VA	Classic
Mar. 23 Sun.	Patapsco Valley State Park, CCBC Catonsville, Catonsville, MD	Classic
Mar. 30 Sun.	Gambrill SP, Shelter 3, Frederick, MD	Rogaine
Apr. 6 Sun.	Hemlock Overlook Regional Park, Hemlock Pavilion, Clifton, VA	Classic
Apr. 13 Sun.	Blockhouse Point	Classic
May. 4 Sun.	Lake Needwood, Circle Parking Area, Derwood, MD	Classic
May. 10 Sat.	Event in the Vicinity of Quantico	Classic
May. 17 Sat.	Swanson Road Natural Area, North end, Upper Marlboro, MD	Classic
Jun. 1 Sun.	The Chase	The Chase & Potluck/Party

Source URL: https://www.qocweb.org/events/schedule