# Open online precision orienteering training on rocks «The Rock Labyrinth (online) – 2020. Autumn stage »

# Petrogradsky Tourist Club (Russia, St. Petersburg)

#### November 15th, 2020

#### **Training Terms**

#### 1. General information

Distance: «precision orienteering» (PreO), including time control, on rocks.

The time limit to go the main part of the distance is 2 hours. The time limit to go the time control is 10 minutes (since the end of the main part of the distance).

Each participant goes the distance (performs tasks) individually.

#### 2. Distance description

The main part of the distance consists of 10-15 stages (stations). At each stage a photo with 4-6 flags is presented. Photos taken from a decision point. Flags in photos are drawn. At each stage there are 3-5 tasks (controls). Total number of tasks: 50.

Flags in photos do not have labels or other designations. The order of flags is determined by photo from left to right as follows (even if one is higher, the other is lower): «A», «B», «C», «D», «E», «F». The correct matching of flags to letters is up to participants.

Under photo in each task there is a map of the area tied to the cardinal points where a circle indicates a control (given feature is in the centre of the circle). If the orientation of the map and photo do not match (different views are used), the direction of observation is shown on the map by an arrow. Under map in each task there is a control description.

In each task, it is necessary to determine whether the feature, located on the map in the center of the circle and described by control description, is marked with a flag on the area. Simultaneously the location of the flag should also correspond to the control description. If one of the flags in the photo meets this requirement, it is necessary to determine its letter designation («A», «B», «C», «D», «E», «F») and select the appropriate answer.

The answer option «Z» (Zero) is also possible, which is called the zero answer, - the absence of a flag corresponding to the feature, located on the map in the center of the circle, and to the control description. The allowed deviation of the flag location from the specified point, when exceeded, the response "Z" is given, is called Zero tolerance. Zero tolerance: 1 m, 45 °.

The ranking of participants with the same number of correct answers is based on the results of the time control (additional stage). This stage is performed after the end of the main part of the distance (the link to the time control will be provided after sending the answers to the main part of the distance). There are 3 tasks at the time control. Please note that the answer option «Z» is impossible at the time control.

#### 3. Description of area and maps

The rocks of the Vyborg District of the Leningrad Region, where «The Rock Labyrinth» was held earlier, will be presented. For preparing the tasks photos and cartographic materials of past years and also new photos have been used.

The traditional stages of the competition «The Rock Labyrinth» - stage «Rocks» and stage «Stones» - are included in the training distance. Nonetheless, unlike competition, there is no need to perform techniques at online training.

#### Stage «Rocks»

The stage is located on a rock district with total steep of 60-80°, in forest area. The height difference is up to 30 m. The length of the rock is no more than 60 m in plane. The tasks will contain fragments of the stage.

The stage map is a frontal projection (front view) of a rock district. The map shows elements of rock terrain (walls, slabs, shelves and terraces, internal and external corners, cracks, stones, etc.), trees, dry wood, dead wood (fallen trees), stumps, restrictions (marking tape).

# Stage «Stones»

The stage is located on a restricted area of rough terrain (with artificial restrictions), covered with stones of medium and large sizes, in forest area. The height difference is up to 5 m. The area size is no more than 60 x 60 m. The tasks will contain fragments of the stage.

The map shows stones contours, visible height difference, rock walls, trees, dry wood, dead wood (fallen trees), stumps, restrictions (marking tape), wooden stakes as a part of restrictions.

Map symbols of the stage «Rocks» (rock terrain) and the stage «Stones» (area with stones) are given in Annex 1 to these terms.

# 4. Control descriptions

Control descriptions are given in accordance with <u>International Specification for Control</u> <u>Descriptions</u>.

Please note that there are two features of control descriptions for trail orienteering. In column «B» - the number of visible flags (e.g. A-C equals three flags; A-E equals five flags). In column «H» - direction of observation (if necessary).

Short control descriptions are given in Annex 2 to these terms.

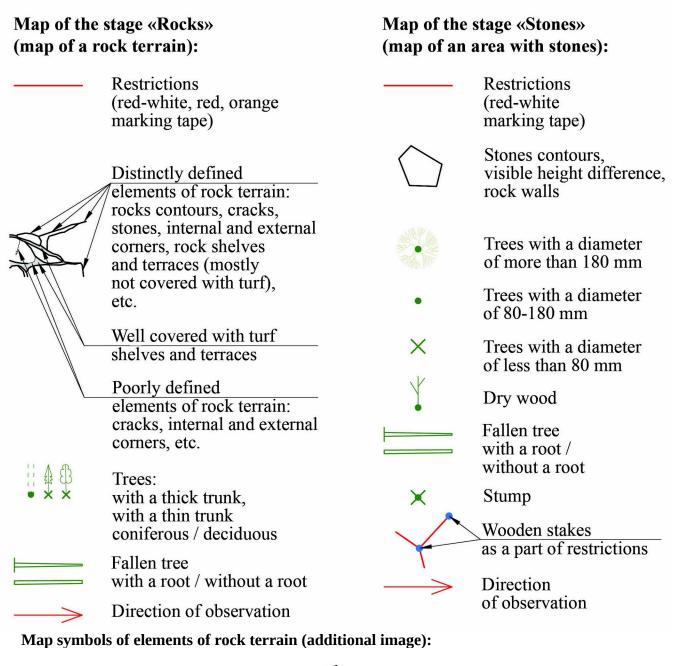
#### 5. Results

Each correctly identified control (excluding time control) scores one point. The priority indicator for determining of training results is the number of correct answers to the main part of the distance. The time spent on the main part of the distance does not matter. However, it is necessary to meet the set time limit (2 hours). During this time limit all tasks of the main part of the distance should be performed.

The result for the time control is determined by the sum of the time at this stage and the penalty (60 seconds for each wrong answer).

The participant who received the most points, and if the points are equal has less time at the time control (including penalties for errors), takes a higher place.

# **MAP SYMBOLS**



Distinctly defined elements of rock terrain: rocks contours, cracks, stones, internal and external corners, rock shelves and terraces (mostly not covered with turf), etc. (are shown in bold lines) Well covered with turf shelves and terraces (are shown in gray tone) Poorly defined elements of rock terrain: cracks, internal and external corners, etc. (are shown in thin lines)

Annex 2

# **CONTROL DESCRIPTIONS**

IOF Control	E - Appearance	F - Dimensions
Descriptions 2018	Low	1.5 Height or Depth
	Shallow	5 x 3 Size
This is a summary of the IOF	∫ Deep	<sup>1.9</sup> / <sub>2.5</sub> Height on slope
pictorial control descriptions. Full	Overgrown	1.5 2.5 Heights of two features
details can be obtained from the	Open	X Crossing
IOF web site at	Rocky, Stony	Y Junction
http://www.orienteering.org	∃ Marshy	Bend
	Sandy	
ABCDEFGH	우 Needle leaved	H - Other Information
1 A-F ↓ ⊖ 🞆 <sup>15 x 5</sup> O ↑	다 다 Hoodilo Houved	➡ First aid post
A Control number	A Ruined	Refreshment point
		★ Manned control
B Number of visible flags	<b>G</b> - Location of Flag	Direction of observation
C Which of any similar feature	Image: Non-Execution of Flag       Image:	
D Control feature	Q South East Edge	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
E Appearance	East Part	Follow Taped Route
F Dimensions/combinations/bend	South West Corner (inside)	away from control
G Location of control flag	North Corner (outside)	Follow Taped Route
H Other information		between controls
C - Which Feature		Mandatory crossing point or points
↑ Northern		Mandatory passage
		through out of bounds area
Upper	Lower Part	O−−−20 m−−→ Follow Taped Route to Map Exchange
	П Тор	Eollow Taped Boute
Middle	Foot	to Finish
D - Control Feature	O North East Foot	Navigate to Finish Funnel, then follow tapes
See below.	Beneath	
See below.	Between	90 m Navigate to Finish, no tapes
Land forms	Water and march	Man-made features
Land forms	Water and marsh	Man-made features
	Constant Lake	Road
D Terrace	© Lake ♡ Pond	Road Track, Path
D Terrace	© Lake ♡ Pond ♡ Waterhole	Road / Track, Path Ride
D   Terrace     D   Spur     ∧   Re-entrant     >¬¬¬   Earth bank	Image: Constraint of the second s	Road Track, Path Ride Bridge
▷ Terrace   ▷ Spur   ∧ Re-entrant	Image: Constraint of the second s	Road Road Ride Bridge Nower line
Description   Terrace     Description   Spur     Constraint   Re-entrant     nm   Earth bank     Constraint   Quarry     +++   Earth wall	Image: Constraint of the system   Lake     Image: Constraint of the system   Pond     Image: Constraint of the system   Waterhole     Image: Constraint of the system   River, Stream, Watercourse     Image: Constraint of the system   Minor water channel, Ditch     Image: Constraint of the system   Narrow marsh	Road Road Ride Bridge Power line Power line pylon
D   Terrace     D   Spur     ∧   Re-entrant     Trr   Earth bank     ♥   Quarry     ##   Earth wall     ∧   Erosion gully	Image: Constraint of the system   Lake     Image: Constraint of the system   Pond     Image: Constraint of the system   Waterhole     Image: Constraint of the system   River, Stream, Watercourse     Image: Constraint of the system   Minor water channel, Ditch     Image: Constraint of the system   Narrow marsh     Image: Constraint of the system   Marsh	✓   Road     ✓   Track, Path     ✓   Ride     ✓   Bridge     ✓   Power line     Ø   Power line pylon     ★   Tunnel
Description   Terrace     Description   Spur     Constraint   Re-entrant     nm   Earth bank     Constraint   Quarry     +++   Earth wall	Image: Second system   Lake     Image: Second system   Pond     Image: Second system   Waterhole     Image: Second system   River, Stream, Watercourse     Image: Second system   Minor water channel, Ditch     Image: Second system   Marrow marsh     Image: Second system   Marsh     Image: Second system   Firm ground in marsh	✓   Road     ✓   Track, Path     ✓   Ride     ✓   Bridge     ✓   Power line     Ø   Power line pylon     ✓   Tunnel     ✓   Wall
Description   Terrace     Spur   Spur     C   Re-entrant     Terrace   Re-entrant     Re-entrant   Re-entrant     Terrace   Re-entrant     Small erosion gully   Small erosion gully	Image: Second system   Lake     Image: Second system   Pond     Image: Second system   Waterhole     Image: Second system   River, Stream, Watercourse     Image: Second system   Minor water channel, Ditch     Image: Second system   Marrow marsh     Image: Second system   Marsh     Image: Second system   Firm ground in marsh     Image: Second system   Well	Road     ✓   Track, Path     ✓   Ride     ✓   Bridge     ✓   Power line     Ø   Power line pylon     ✓   Tunnel     ✓   Wall     ✓   Fence
Description   Terrace     Spur   Spur     C   Re-entrant     F   Earth bank     C   Quarry     ##   Earth wall     A   Erosion gully     Small erosion gully   O     Hill   Hill	Image: Spring   Lake     Image: Spring   Pond     Image: Spring   Lake     Image: Spring   Spring	Road     ✓   Track, Path     ✓   Ride     Ø   Bridge     ✓   Power line     Ø   Power line pylon     ★   Tunnel     ✓   Wall     ✓   Fence     +   Crossing point
Description   Terrace     Spur   Spur     Constraint   Re-entrant     Mark   Earth bank     Constraint   Re-entrant     Mark   Earth bank     Constraint   Re-entrant     Mark   Earth bank     Constraint   Erosion gully     Mark   Erosion gully     Mark   Erosion gully     Mark   Erosion gully     Mark   Erosion gully     Small erosion gully   Hill     Knoll   Saddle	Image: Second system   Lake     Image: Second system   Pond     Image: Second system   Waterhole     Image: Second system   River, Stream, Watercourse     Image: Second system   Minor water channel, Ditch     Image: Second system   Marsh     Image: Second system   Firm ground in marsh     Image: Second system   Well	Road     ✓   Track, Path     ✓   Ride     Ø   Bridge     ✓   Power line     Ø   Power line pylon     ✓   Tunnel     ✓   Wall     ✓   Fence     ++   Crossing point     ■   Building
Description   Terrace     Spur   Spur     C   Re-entrant     Free   Earth bank     C   Quarry     ##   Earth wall     C   Erosion gully     Small erosion gully   Small erosion gully     O   Hill     ●   Knoll     )(   Saddle     O   Depression	Image: Constraint of the system   Lake     Image: Constraint of the system   Pond     Image: Constraint of the system   Waterhole     Image: Constraint of the system   River, Stream, Watercourse     Image: Constraint of the system   Minor water channel, Ditch     Image: Constraint of the system   Marsh     Image: Constraint of the system   Marsh     Image: Constraint of the system   Well     Image: Constraint of the system   Well     Image: Constraint of the system   Water tank, Water trough	Road     ✓   Track, Path     Ride     Bridge     ✓   Power line     Ø   Power line pylon     ✓   Tunnel     ✓   Wall     ✓   Fence     ++   Crossing point     ■   Building     ☑   Paved area
Depression     C     Free     C     Re-entrant     Free     Earth bank     C     Quarry     ##     Earth wall     C     Brosion gully     Small erosion gully     O     Hill     Image: Construction of the second	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Ch Spring Water tank, Water trough Vegetation	Road     ✓   Track, Path     ✓   Ride     Ø   Bridge     ✓   Power line     Ø   Power line pylon     ✓   Vall     ✓   Fence     ++   Crossing point     ■   Building     ☑   Paved area     ↓   Ruin
▷   Terrace     ▷   Spur     ≺   Re-entrant     ▷   Earth bank     ♥   Quarry     ♥   Earth wall     ∧   Erosion gully     ♥   Small erosion gully     ●   Knoll     ○   Depression     ○   Small depression     ∨   Pit	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Spring Water tank, Water trough Vegetation Open land	Road     Track, Path     Ride     Bridge     Power line     Power line pylon     Tunnel     Vall     Image: Provent line     Power line     Power line pylon     Image: Provent line     Power line     Power line     Power line     Power line     Power line     Power line     Parea     Ruin     Pipeline, Bobsleigh track
→   Terrace     →   Spur     ∧   Re-entrant     →   Earth bank     ◇   Quarry     +++   Earth wall     ∧   Erosion gully     ◇   Small erosion gully     ◇   Hill     ●   Knoll     >)(   Saddle     ○   Small depression     ∨   Pit     ◇   Broken ground	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Rev Spring Water tank, Water trough Vegetation Open land Semi-open land	Road     Track, Path     Ride     Bridge     Power line     Power line pylon     Tunnel     Vall     r     Fence     ++     Crossing point     Building     Paved area     Ruin     r     Pipeline, Bobsleigh track     Tower, Pylon
▷   Terrace     ▷   Spur     ∧   Re-entrant     ▷   Quarry     ♥♥   Earth wall     ∧   Erosion gully     ♥   Small erosion gully     ●   Hill     ●   Knoll     )(   Saddle     ●   Depression     ○   Small depression     ∨   Pit     ♥   Broken ground     ★   Ant hill, Termite mound	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Cr. Spring Water tank, Water trough Vegetation Open land Corest corner	Road     ✓   Track, Path     Ride     Bridge     Power line     Power line pylon     ✓   Power line pylon     ✓   Vall     ✓   Fence     +   Crossing point     ■   Building     ☑   Paved area     □   Ruin     ✓   Pipeline, Bobsleigh track     Tower, Pylon   Shooting platform
▶   Terrace     ▶   Spur     ∧   Re-entrant     ▶   Earth bank     ♥   Quarry     ***   Earth wall     ∧   Erosion gully     ♥   Small erosion gully     ●   Hill     ●   Knoll     )(   Saddle     ●   Depression     ∪   Small depression     ∨   Pit     ♥   Broken ground     ★   Ant hill, Termite mound	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Ch Spring Water tank, Water trough Vegetation Open land Semi-open land Forest corner Clearing	Road     ✓   Track, Path     Ride     Bridge     Power line     Power line pylon     ✓   Power line pylon     ✓   Vall     ✓   Fence     ++   Crossing point     Building   Paved area     ✓   Pipeline, Bobsleigh track     ▼   Tower, Pylon     ✓   Shooting platform     ⊙   Boundary stone, Cairn
>   Terrace     >   Spur      Re-entrant     >   Earth bank     C   Quarry     +++   Earth wall      Erosion gully     Small erosion gully     O   Hill     •   Knoll     )(   Saddle     O   Depression     O   Small depression     ∨   Pit     >>   Broken ground     Ant hill, Termite mound     Rock and boulders     [T]   Cliff, Crag	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Ch Spring Water tank, Water trough Vegetation Open land Semi-open land Forest corner Clearing Marsh Lake Pond Nater channel, Ditch Narrow marsh Marsh Firm ground in marsh Ch Spring Ch Spring Ch Semi-open land Semi-open land	Road     ✓   Track, Path     Ride     Bridge     Power line     Power line pylon     ✓   Power line pylon     ✓   Vall     ✓   Fence     +   Crossing point     ■   Building     ☑   Paved area     □   Ruin     ✓   Pipeline, Bobsleigh track     T   Tower, Pylon     □   Shooting platform     ⊙   Boundary stone, Cairn     ↑   Fodder rack
>   Terrace     >   Spur      Re-entrant     >   Earth bank     C   Quarry     +++   Earth wall      Erosion gully     Small erosion gully     O   Hill     •   Knoll     )(   Saddle     O   Depression     ∨   Pit     Small depression   V     ∨   Pit     Small depression   Cliff, Crag     Rock pillar   Rock pillar	Lake Pond Vaterhole River,Stream,Watercourse Minor water channel, Ditch Narrow marsh Marsh Firm ground in marsh Well Ch Spring Water tank, Water trough Vegetation Open land Semi-open land Forest corner Clearing Marsh Lake Pond Nater channel, Ditch Narrow marsh Marsh Firm ground in marsh Ch Spring Ch Spring Ch Semi-open land Semi-open land	Road     Track, Path     Ride     Bridge     Power line     Power line pylon     Tunnel     Vall     Image: Provide the system     Power line pylon     Vall     Image: Provide the system     Power line pylon     Vall     Image: Provide the system     Image: Provide the system
>   Terrace     >>   Spur      Re-entrant     >>   Earth bank      Quarry     +++   Earth wall      Erosion gully      Small erosion gully      Small erosion gully      Hill      Knoll     >)(   Saddle      Depression      Small depression      Pit     >>   Broken ground     Ant hill, Termite mound     Rock and boulders      Rock pillar      Cave	Image: Spring   Image: Spring     Image: Spring   Water tank, Water trough     Image: Spring   Well     Image: Spring   Water tank, Water trough     Image: Spring   Well     Image: Spring   Well     Image: Spring   Well     Image: Spring   Well     Image: Spring   Water tank, Water trough     Image: Spring   Well     Image: Spring   Water tank, Water trough     Image: Spring   Well     Image: Spring   Well     Image: Spring   Well     Image: Spring   Well     Image: Spring   Water tank, Water trough     Image: Spring   Well     Image: Spring   Spring     Image: Spring   Well     Image: Spring   Spring	Road     Track, Path     Ride     Bridge     Power line     Power line pylon     Tunnel     Vall     r     Fence     +     Crossing point     Building     Paved area     Ruin     r     Pipeline, Bobsleigh track     Tower, Pylon     Shooting platform     Boundary stone, Cairn     Fodder rack     Platform     A
>   Terrace     >   Spur      Re-entrant     >   Earth bank     Quarry   ##     Earth wall   Erosion gully     >   Small erosion gully     >   Small erosion gully     >   Small erosion gully     >   Small depression     >   Small depression     >   Pit     >   Broken ground     Ant hill, Termite mound   Ant hill, Termite mound     Rock and boulders   Cliff, Crag     Rock pillar   Cave     Boulder   Boulder	Image: Second system   Lake     Image: Second system   Pond     Image: Second system   Waterhole     Image: Second system   River,Stream,Watercourse     Image: Second system   Minor water channel, Ditch     Image: Second system   Marsh     Image: Second system   Marsh     Image: Second system   Marsh     Image: Second system   Well     Image: Second system   Spring     Image: Water tank, Water trough   Well     Image: Second system   Open land     Image: Second system   Open land     Image: Second system   Clearing     Image: Second system   Thicket     Image: Second system   Vegetation boundary	Road     Track, Path     Ride     Bridge     Power line     Power line pylon     Tunnel     Vall     Image: Parent State     Paved area     Ruin     Pipeline, Bobsleigh track     Tower, Pylon     Shooting platform     Shooting platform     Boundary stone, Cairn     Platform     Anonument, Statue     Image: Canopy
>   Terrace     >>   Spur      Re-entrant     >>   Earth bank      Quarry     +++   Earth wall      Erosion gully      Small erosion gully      Small erosion gully      Small erosion gully      Hill      Knoll     >/(   Saddle      Depression      Small depression      Pit      Broken ground      Ant hill, Termite mound     Rock and boulders   Rock pillar      Cave      Boulder      Boulder field	Image: Second system   Lake     Image: Second system   Pond     Image: Second system   Waterhole     Image: Second system   Minor water channel, Ditch     Image: Second system   Marsh     Image: Second system   Marsh     Image: Second system   Marsh     Image: Second system   Well     Image: Second system   Well     Image: Second system   Open land     Image: Second system   Open land     Image: Second system   Clearing     Image: Second system   Linear thicket     Image: Second system   Vegetation boundary     Image: Second system   Prominent tree	Road     Track, Path     Ride     Bridge     Power line     Power line pylon     Tunnel     Wall     Image: Provide the sylon     Image: Power line pylon     Image: Power line pylon
>   Terrace     >>   Spur      Re-entrant     >>   Earth bank      Quarry     +++   Earth wall      Erosion gully      Small erosion gully      Small erosion gully      Small erosion gully      Hill      Knoll     )(   Saddle      Depression      Small depression      Pit      Broken ground      Ant hill, Termite mound     Rock and boulders   Rock pillar      Cave      Boulder      Boulder      Boulder field	Image: Second system   Lake     Image: Second system   Pond     Image: Second system   Waterhole     Image: Second system   Minor water channel, Ditch     Image: Second system   Marsh     Image: Second system   Marsh     Image: Second system   Marsh     Image: Second system   Well     Image: Second system   Well     Image: Second system   Open land     Image: Second system   Open land     Image: Second system   Clearing     Image: Second system   Linear thicket     Image: Second system   Vegetation boundary     Image: Second system   Prominent tree	Road     Track, Path     Ride     Bridge     Power line     Power line pylon     Tunnel     Vall     Image: Parent State     Paved area     Ruin     Pipeline, Bobsleigh track     Tower, Pylon     Shooting platform     Shooting platform     Boundary stone, Cairn     Platform     Anonument, Statue     Image: Canopy
>   Terrace     >   Spur      Re-entrant     >   Earth bank     Quarry   ##     Earth wall   Erosion gully      Small erosion gully      Small erosion gully      Small erosion gully      Hill      Knoll     )(   Saddle      Depression      Small depression      Pit      Broken ground     Ant hill, Termite mound     Rock and boulders      Cliff, Crag      Rock pillar      Boulder      Boulder field      Boulder cluster      Stony ground	Image: Constraint of the second systemLakeImage: Constraint of the second systemPondImage: Constraint of the second systemRiver, Stream, WatercourseImage: Constraint of the second systemMinor water channel, DitchImage: Constraint of the second systemMarshImage: Const of the second systemMa	Road     Image: Track, Path     Ride     Bridge     Power line     Power line pylon     Image: Tunnel
>   Terrace     >   Spur     ∧   Re-entrant     >   Earth bank     ♀   Quarry     +++   Earth wall     ∧   Erosion gully     ♥   Small erosion gully     ●   Hill     ●   Knoll     )(   Saddle     ●   Depression     ∨   Pit     ♥   Broken ground     Ant hill, Termite mound   Rock and boulders     Image: Cliff, Crag   Rock pillar      Cave     ■   Boulder field     ■   Boulder cluster     >   Stony ground     >   Bare rock	Image: Second system   Lake     Image: Second system   Pond     Image: Second system   Waterhole     Image: Second system   Minor water channel, Ditch     Image: Second system   Marsh     Image: Second system   Marsh     Image: Second system   Marsh     Image: Second system   Well     Image: Second system   Well     Image: Second system   Open land     Image: Second system   Open land     Image: Second system   Clearing     Image: Second system   Linear thicket     Image: Second system   Vegetation boundary     Image: Second system   Prominent tree	Road     Track, Path     Ride     Bridge     Power line     Power line pylon     Tunnel     Vall     r     Fence     +     Crossing point     Building     Paved area     Ruin     Pipeline, Bobsleigh track     Tower, Pylon     Shooting platform     Boundary stone, Cairn     Fodder rack     Platform     Anonument, Statue     Canopy     r     Stairway     Out of bounds area
>   Terrace     >>   Spur      Re-entrant     >>   Earth bank     Quarry   +++      Earth wall      Erosion gully     Small erosion gully   Small erosion gully      Small erosion gully      Small erosion gully      Saddle      Depression      Small depression      Pit      Broken ground     Ant hill, Termite mound     Rock and boulders      Cliff, Crag      Rock pillar      Boulder      Boulder      Boulder field      Boulder cluster      Stony ground	Image: Constraint of the second systemLakeImage: Constraint of the second systemPondImage: Constraint of the second systemRiver, Stream, WatercourseImage: Constraint of the second systemMinor water channel, DitchImage: Constraint of the second systemMarshImage: Const of the second systemMa	Road     Image: Track, Path     Ride     Bridge     Power line     Power line pylon     Image: Tunnel