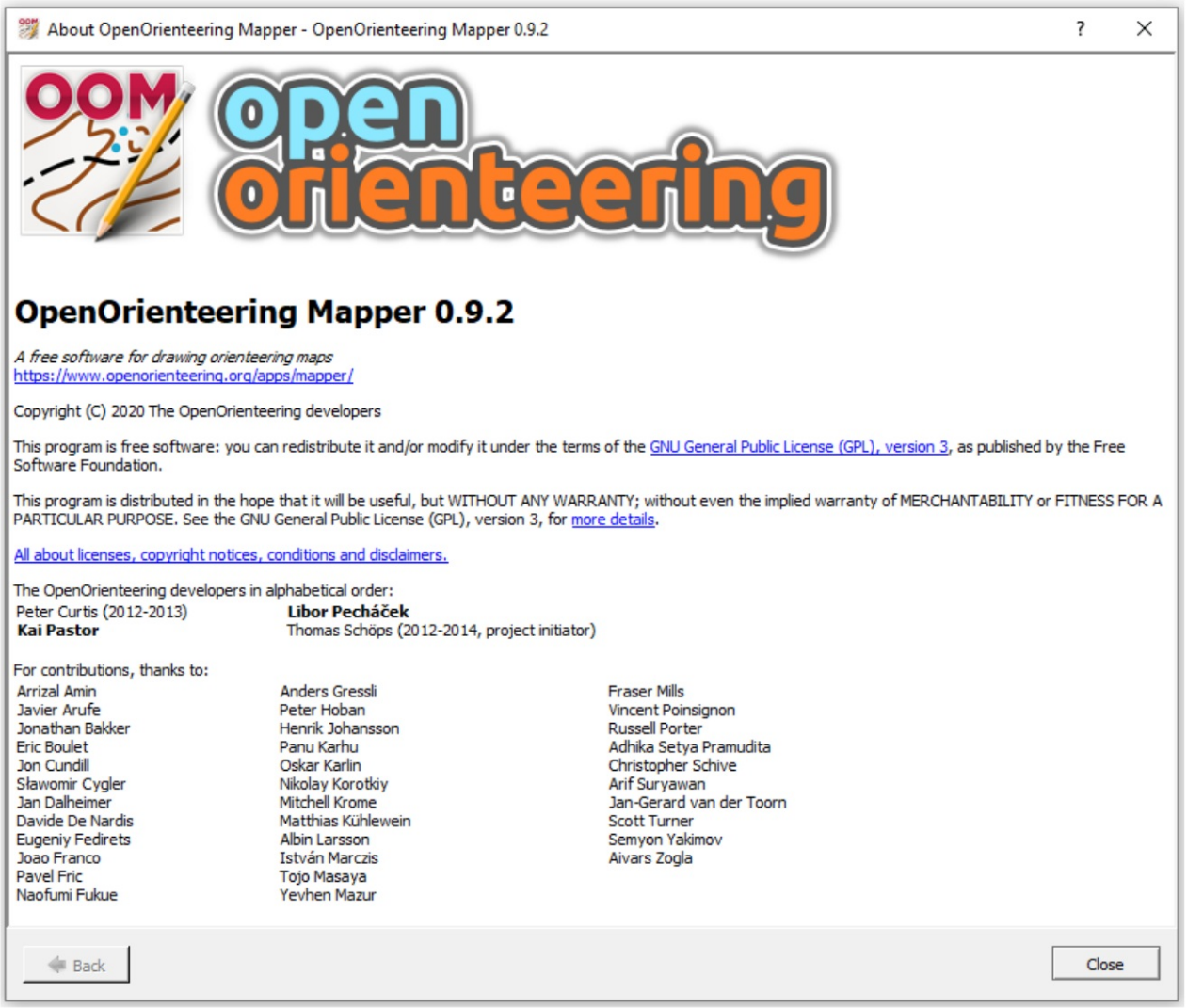


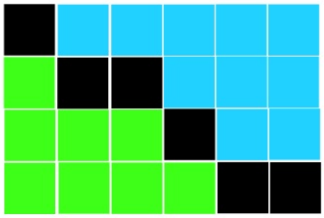
Versions for Windows and Mac OS:

- run on a desktop or laptop
- have the functions for setting up a new map file
- are used for most map drawing tasks
- do not support real time GPS, but can import .gpx tracks

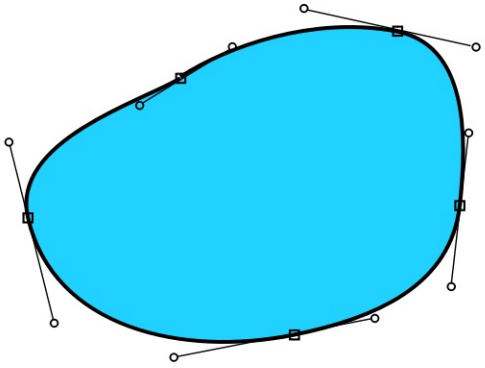
Android version:

- runs on an Android tablet or cell phone
- does not include functions for starting a new map
- is designed for field survey revisions to an existing map file
- shows current GPS position and track
- saves the track data in a .gpx file

BITMAP GRAPHICS (Raster graphics)
Data is stored as an array of pixels.
Each pixel has a value representing a colour.
Example file formats: .bmp .jpg .tif .png .pdf



VECTOR GRAPHICS
The data file is a list of point, line, and area objects
together with infomation on point coordinates,
line slopes, line thicknesses and fill colours.
Example file formats: .dwg .ps .ocd .omap



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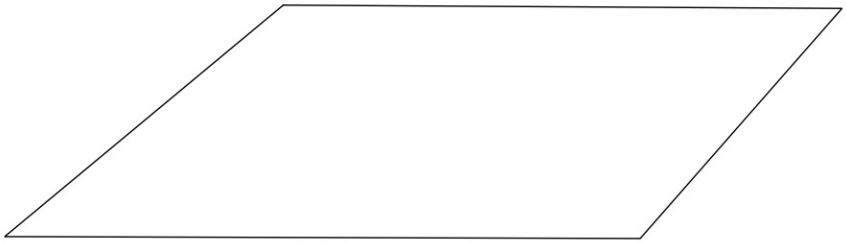
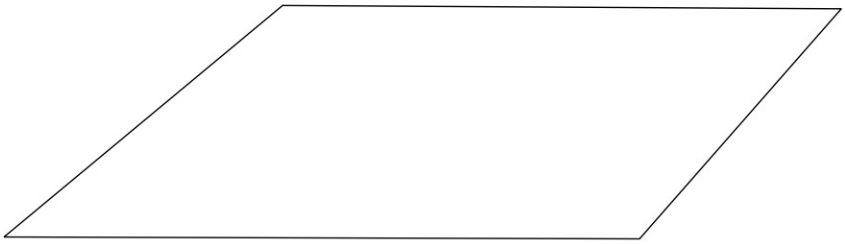
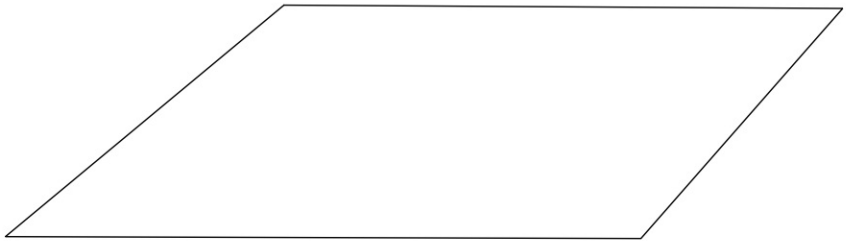
EXAMPLES OF MAP LAYERS



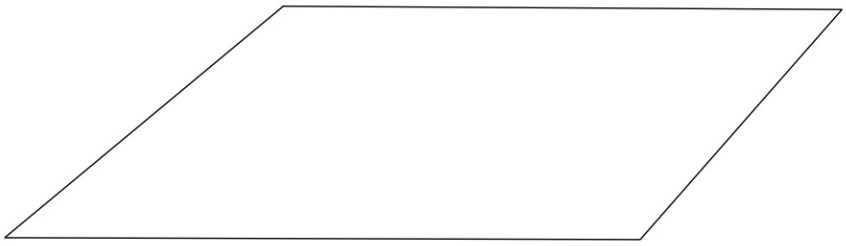
The map drawing layer
(vector graphics)



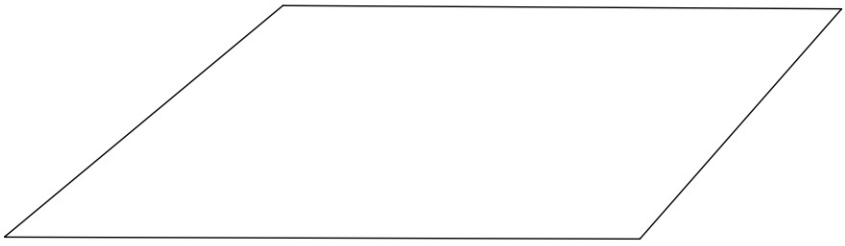
An air photo
(bitmap graphics)



Base map scan
(bitmap graphics)



Field survey
scribble template
(bitmap graphics)



Previous edition of
the orienteering map
(vector graphics)

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GENERAL PROCEDURE FOR STARTING A NEW MAP

If the map is going to be georeferenced we need to know the approximate latitude and longitude, which can be obtained from
- Google Earth
- Atlas of Canada Toporama website
- GPS readings

Find the magnetic declination at the Magnetic Declination Calculator web site, or by taking a bearing along a straight feature.

On starting OpenOrienteering Mapper, choose the map scale and symbol set.

Map ... Georeferencing ...
- select UTM coordinates
- enter coordinates to coincide the centre of the map drawing
- enter the magnetic declination if known, or use the link to the NOAA magnetic declination app

Set up the grid
- align with grid north (or magnetic north or true north)
- grid spacing 1000 m

View ... Display coordinates as : UTM coordinates

Open template files
- basemap, photo or scribble templates
- adjust the rotation angle, scale and position of the templates

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