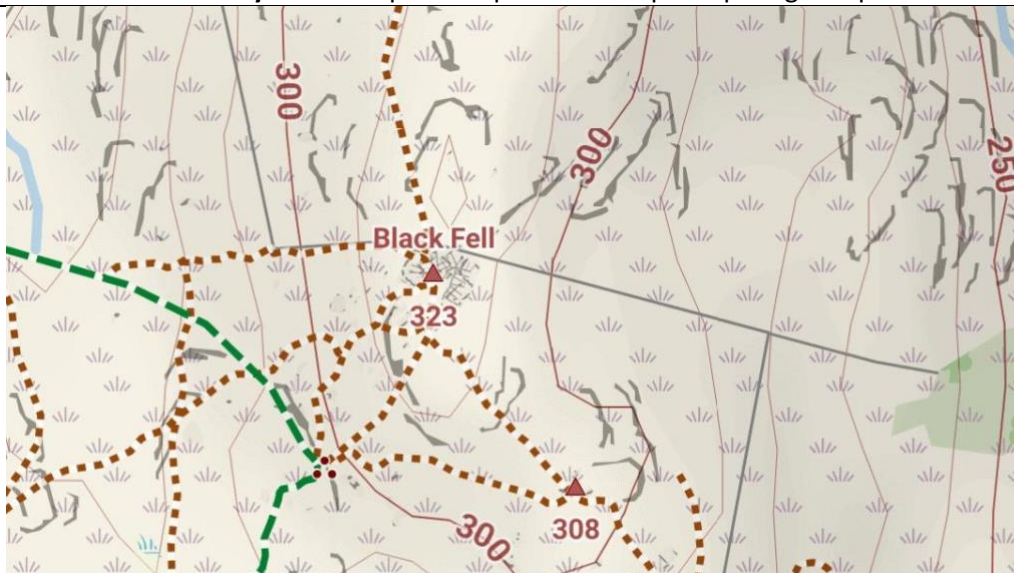


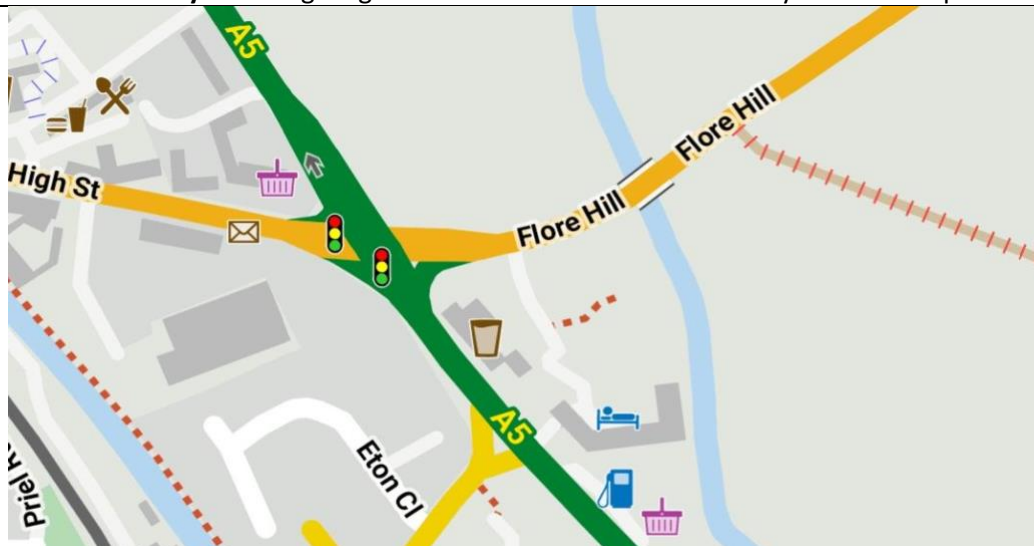
# Voluntary & Velocity Themes



**Voluntary:** for LoMaps and OpenAndroMaps Mapsforge maps



**Voluntary:** showing crag features from UK Ordnance Survey on OAM maps



**Velocity:** simplified rapid draw theme

The **Voluntary** themes work well with both LoMaps from Locus Store and maps from OpenAndroMaps. They are designed for clarity of display. Colours are based on UK Ordnance Survey conventions and will be fairly familiar to British users. Even if you are not British, the colours and styles will probably work well for you. The themes automatically scale for devices with displays of different resolutions and symbols enlarge smoothly for higher zoom levels. The zoom levels at which various features appear has been adjusted to provide optimal information and reduce unwanted clutter.

You can choose **Hiking & Wintersport, Cycling, City, Road, Multi, Transparent** or **Yellow** styles within the **Voluntary Locus Edition (LE)** or **Voluntary Mapsforge V5** themes.

The styles take advantage of switchable options. Display of hiking, cycle and mountain bike routes can now be switched on or off, as can highlighting for each of them. The number of options shown is relatively limited to aid ease of use. Hiking, Cycling, City and Road styles function almost as presets with a limited range of tailored options. Within these particular styles the display is subtly tailored to its purpose: for example, Road displays junction and road numbers better; Cycling has a better display of cycle routes. Multi, Transparent and Yellow have a fuller (but manageable) range of options. The settings of the options for each style are stored.

The City style is aimed at use in large cities such as London and has a less cluttered (and slightly faster) display at zoom levels 14 and below. Colours in the Yellow theme are more muted and are aimed at use with overlays in your app.


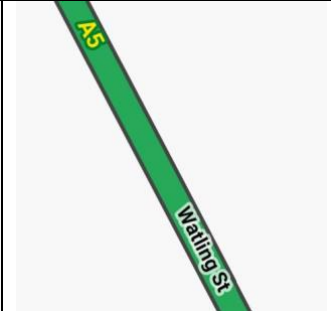

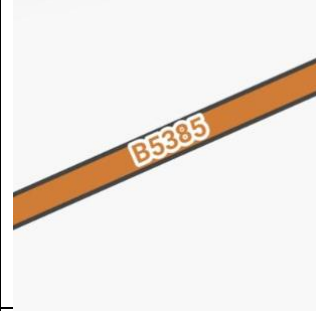

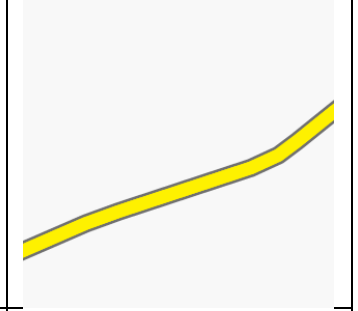
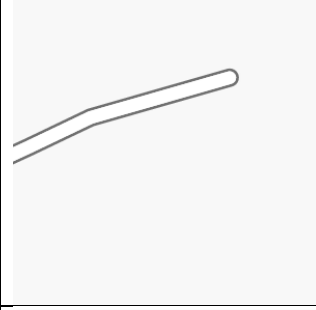
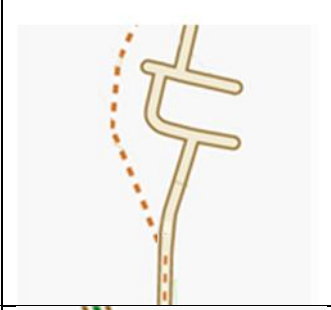


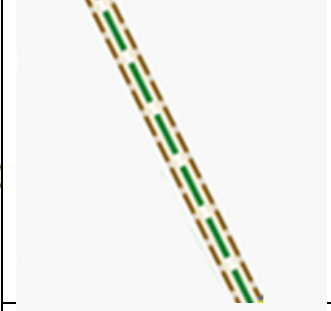
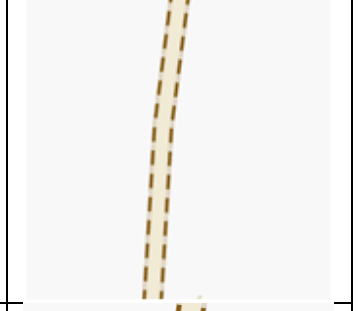
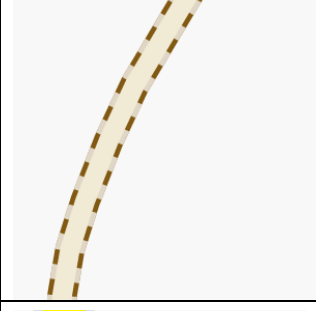
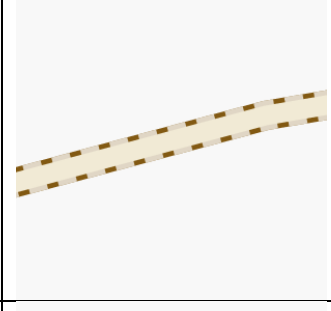
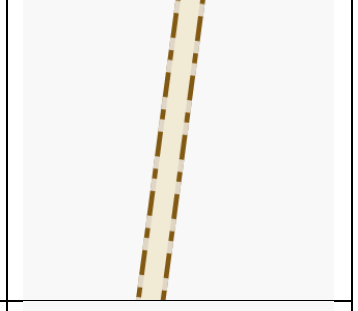
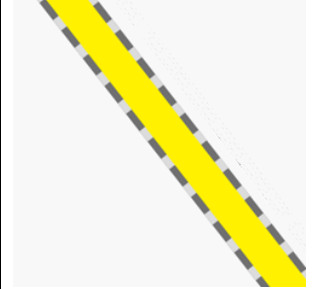
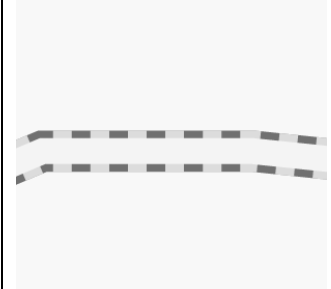

A "Transparent" style turns off the map background and enables use of a vector map as an overlay on top of a satellite image in your app. Similarly the "background" checkbox in the Yellow style can be used to achieve the same effect.

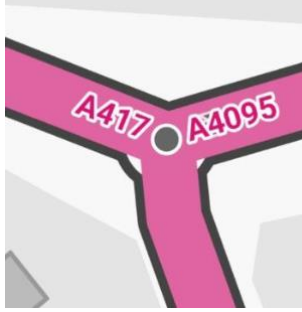
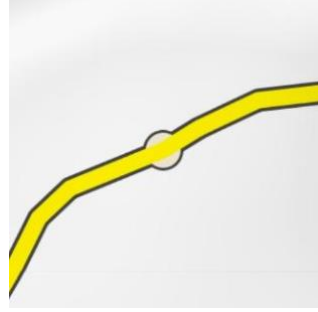




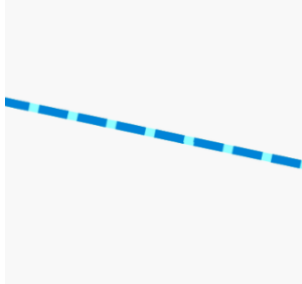
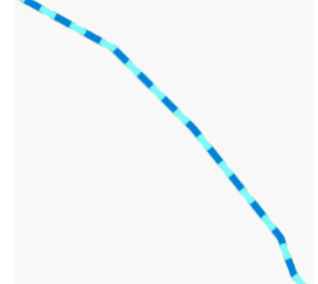
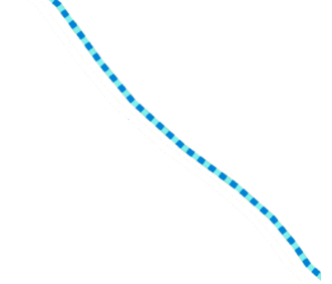
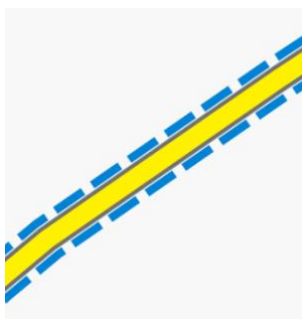

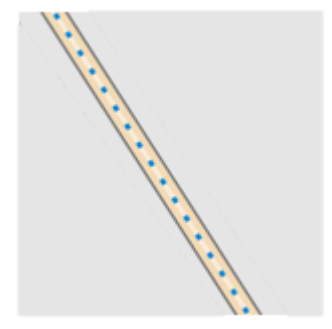



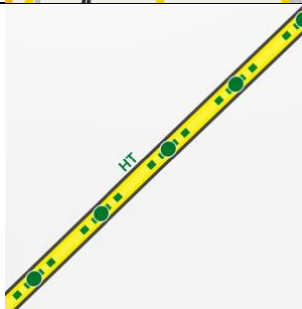

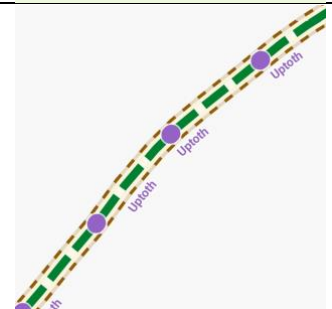
Generally, blue dashes are cycle ways, green dashes represent dual use both on bike and on foot (bridle paths in the UK), and brown shorter dashes use on foot only. Blue blobs are cycle routes, green blobs are hiking routes. Mountain bike trails are shown by violet blobs. Cycle routes are also indicated by blue dashes on the roads. Hiking, cycle and mountain bike routes can be emphasised by selectable overlays. The emphasis can be colour-coded in the Hike and Cycle themes.

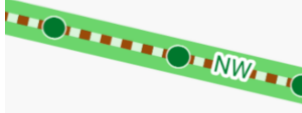
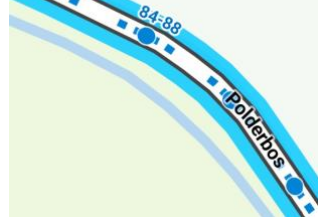

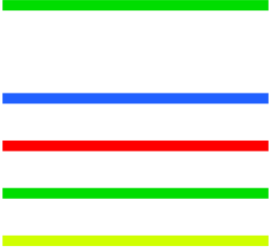
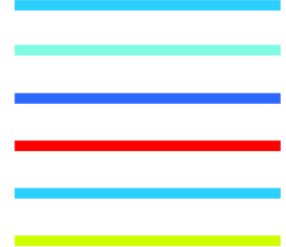




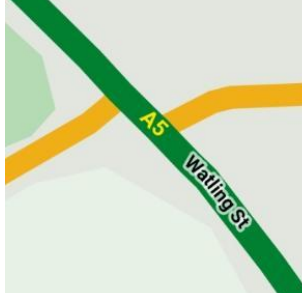
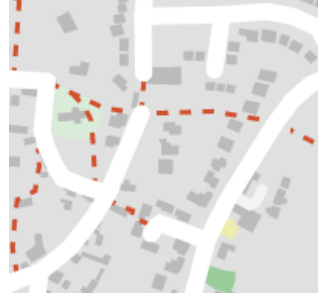





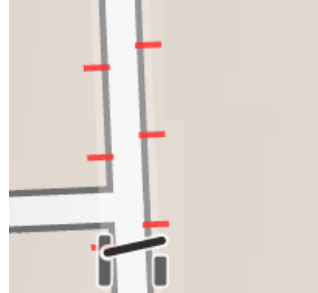

Footpaths, bridleways and cycleways are indicated on the map by dashed lines where they follow the path of a mapped track or pedestrian way if the map supports it (currently OpenAndroMaps). Also on maps from OpenAndroMaps, blue dashes on roads are either cycle routes or roads with cycle tracks alongside, while shorter blue dashes on roads show cycle lanes in the road.

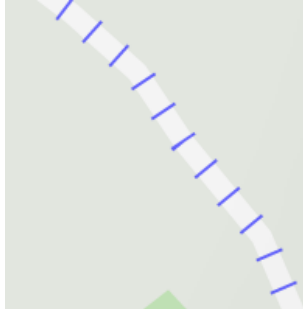


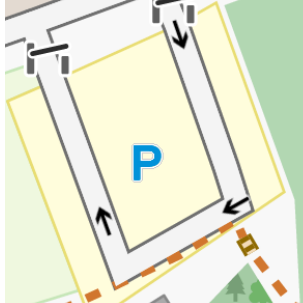
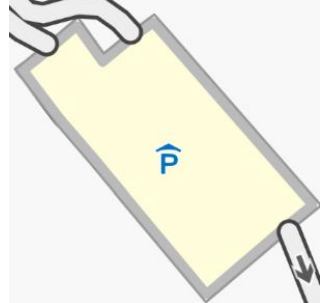
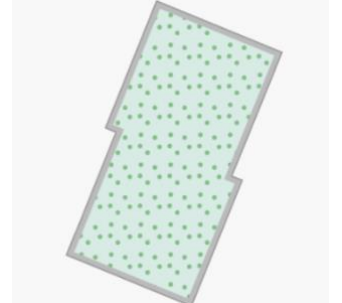
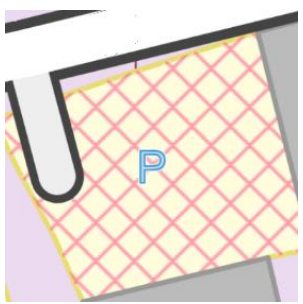
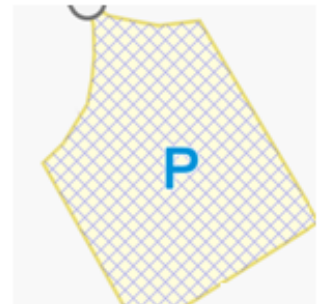

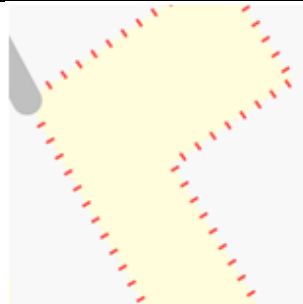
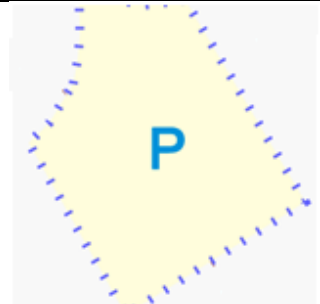

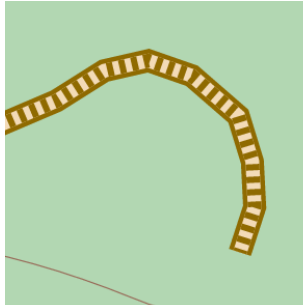
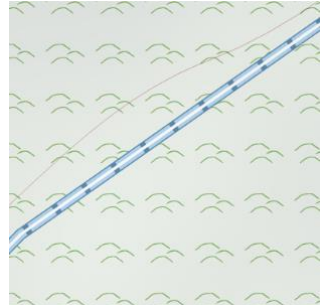
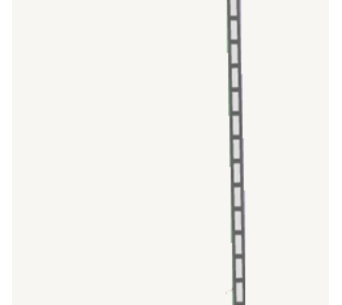
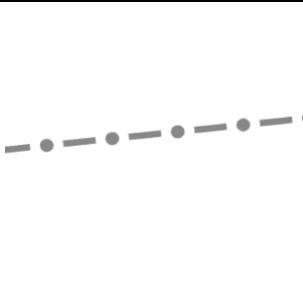
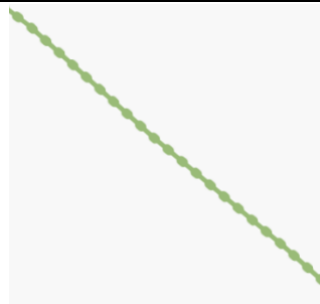

The Voluntary LE theme is offered in Locus if an older LoMap has been selected (or an older Mapsforge v3 map). The Voluntary V5 LE is optimised for both the latest LoMaps and OAM maps on the Locus app. Voluntary V5 is optimised OAM maps only, for use with other apps. All Voluntary themes are as similar as possible.

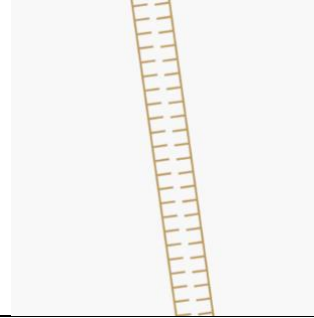
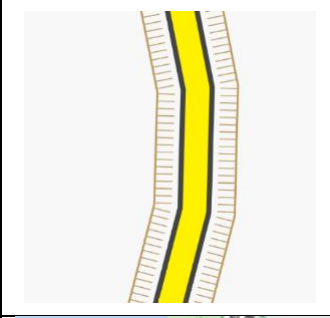
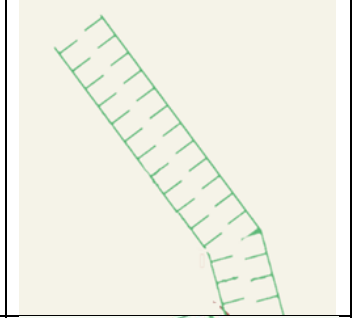
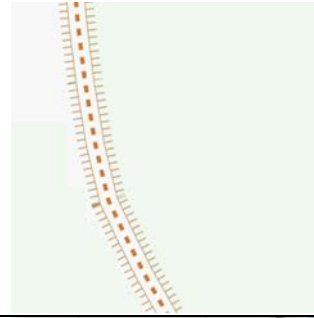

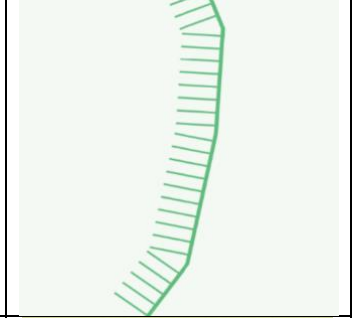
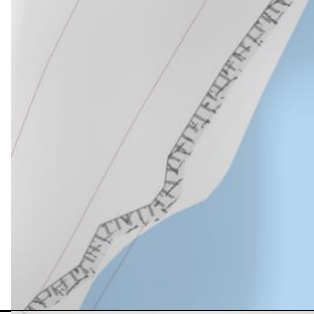
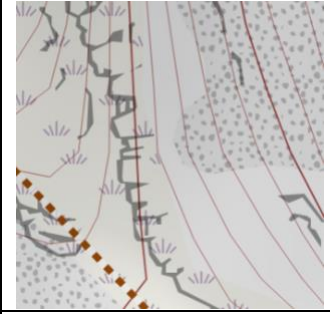
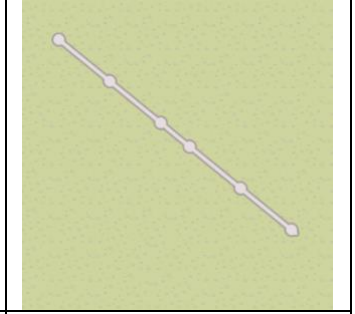
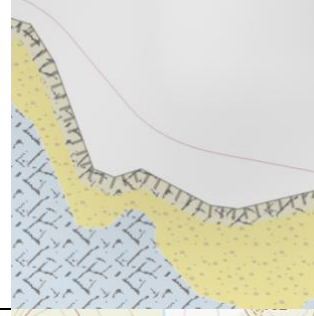
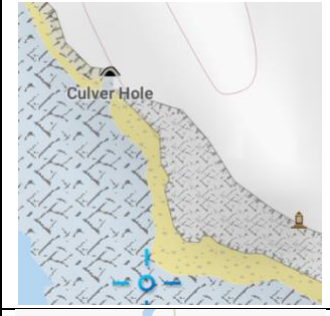
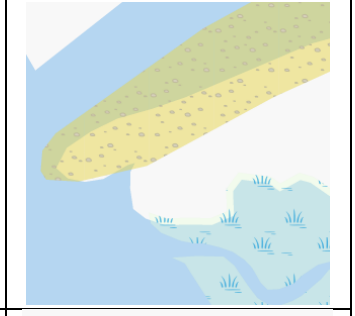

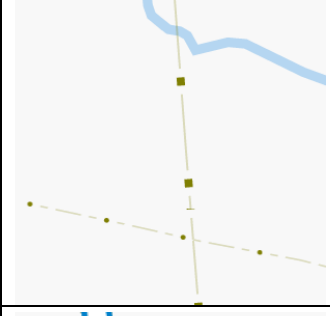
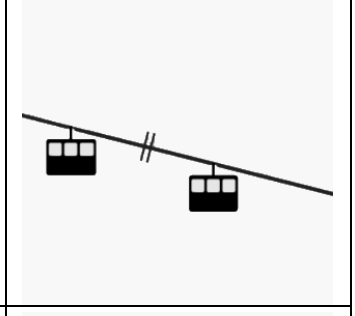

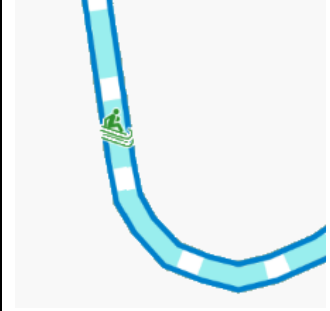
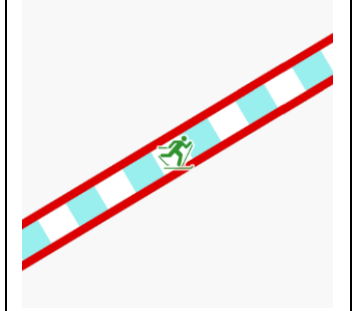
Also included is the visually-similar Velocity theme for a simpler display with much faster drawing.



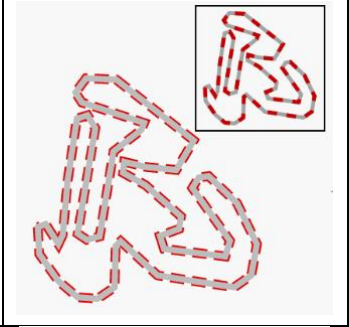

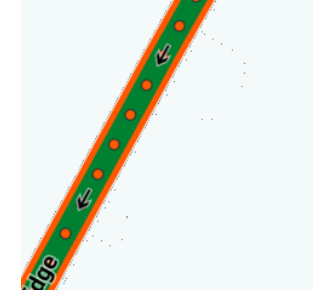
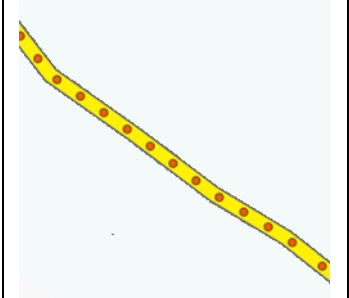






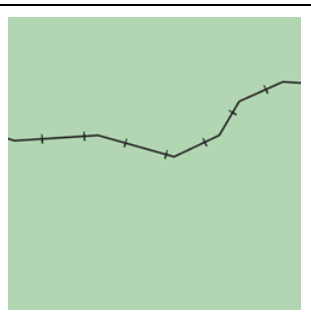
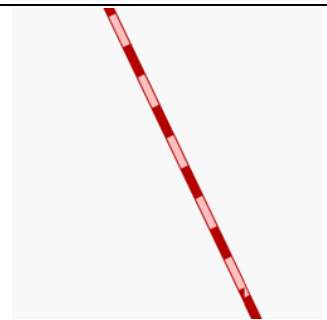
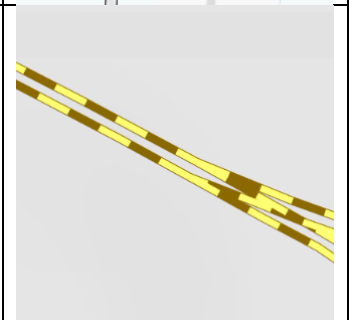
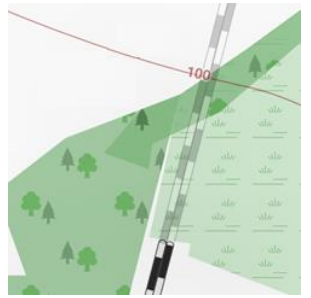
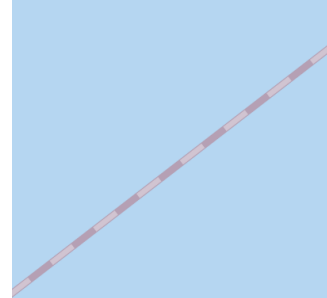
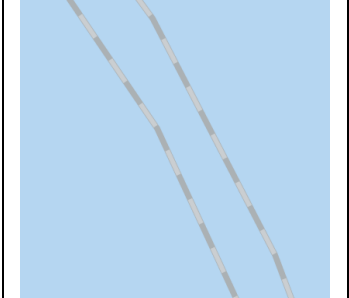
<p>a) Motorway b) Primary Road c) A-class Road</p> <p><i>NB: Road numbers are displayed differently in older LoMaps</i></p>			
<p>a) B-class Road b) Tertiary c) Unclassified</p>			
<p>a) Residential b) Track (surfaced) with path c) Bridleway on unsurfaced track</p>			
<p>a) Track (grade 1, solid) b) Track (grade 2, mostly solid), with bridleway c) Track (grade 3, hard/soft mix)</p>			
<p>a) Track (grade 4, mostly soft) b) Track (grade 5, soft) c) Track, grade unknown</p>			
<p>a) Unclassified road, compacted surface b) Service road, loose gravel c) Road under construction</p> <p><i>Road surfaces (paved, rough paved, compacted, loose gravel, raw) broadly match track grades</i></p>			

<p>a) Mini roundabout b) Passing place c) Turning circle</p>			
<p>a) Cycleway and residential roads b) Bridleway (bike and foot) c) Path (foot) - (top) normal - (bottom) greater difficulty or lower visibility, SAC scale "demanding mountain hiking" (T3) and above.</p>			
<p>Cyclable surfaces: a) Paved – long dashes b) Compacted – medium dashes c) Gravel – short dashes</p>			
<p>a) Cycle track alongside road (long dashes) † b) Cycle lane within normal road † c) Cycle access allowed on pedestrian way (short dashes)  † Cycle tracks and lanes on roads etc shown only on maps from OAM.</p>			
<p>a) Ferry route b) Cycle (super)highway (OAM) c) Emphasised cycleway, usually dedicated</p>			
<p>a) Hiking trail on road (intermittent dashes &amp; blobs) b) Cycle route on road (red labels for national and international routes) Inset: cycle route node c) Mountain bike trail on track with access on foot and by bike</p>			


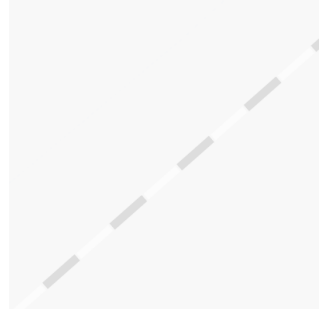
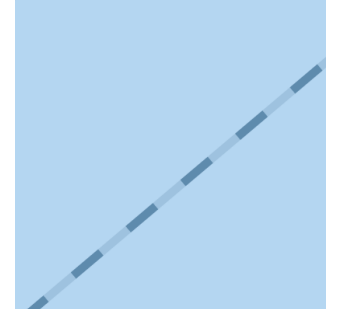
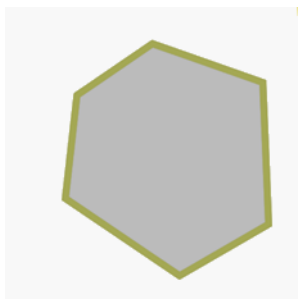
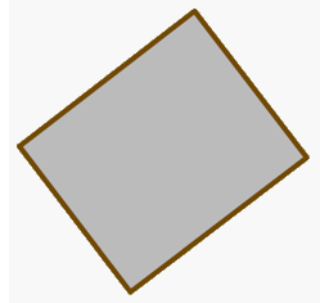

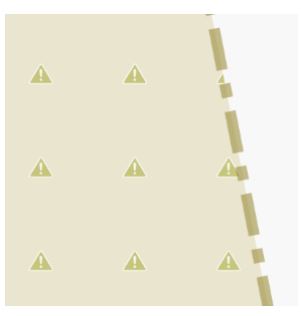


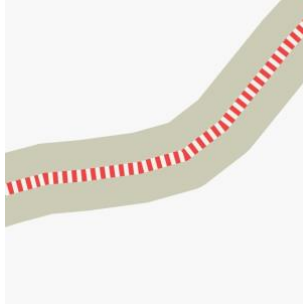
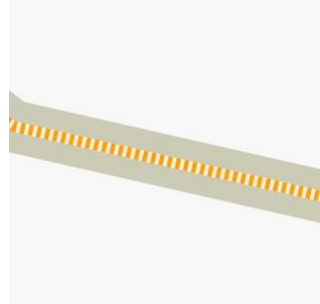
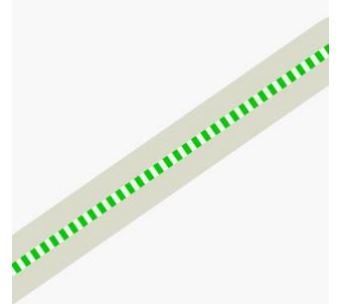



<p>a) Emphasised hiking trail on path  b) Emphasised cycle route along road  c) Both emphasised cycle and mountain bike routes on road</p>			
<p>Key to route highlighting</p> <p>1. Emphasised routes  <i>Plus Cycle highway (OAM)</i></p> <p>2. Colour-coded emphasis</p> <ul style="list-style-type: none"> <li>i. International</li> <li>ii. national</li> <li>iii. regional</li> <li>iv. local or node network (NL)</li> </ul>	<p>Hiking</p> 	<p>Cycle</p> 	<p>Mountain bike</p> 
<p>OSMC waymarked trails</p> <p>a) Symbols and colour markers  b) OAM maps – text symbol and coloured markers  c) LoMaps – symbolic text marker (grey bar) and coloured markers for multiple trails</p>			
<p>a) Roads – Velocity  b) Residential roads – Velocity  c) Track – Velocity</p>			
<p>a) Lock &amp; footbridge  b) Lock &amp; footbridge – Velocity  c) Canal, towpath, road bridge</p>			
<p>a) Access only (blue ticks)  b) Private access (red ticks)  c) Private path (red ticks)</p>			


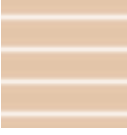


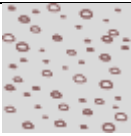





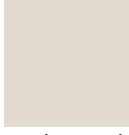
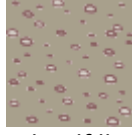



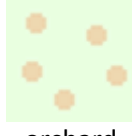

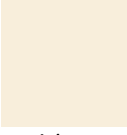


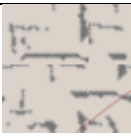
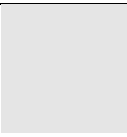


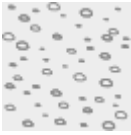


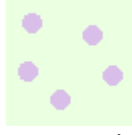



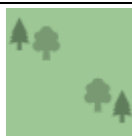
<p>a) Access only – Velocity  b) Private - Velocity  c) Private path - Velocity</p>			
<p>a) Car parking  b) Covered parking  c) Greenhouse</p>			
<p>a) Private parking  b) Customer parking  c) Private garden or private green space</p>			
<p>a) Private parking -- Velocity  b) Customer parking – Velocity</p>			
<p>a) Steps  b) Pipeline (above ground)  c) Wall</p>			
<p>a) Fence  b) Hedge  c) Line of trees</p>			

<p>a) Ditch (barrier) b) Cutting c) Gully (natural)</p>			
<p>a) Embankment b) Dyke, walls c) Earth bank</p>			
<p>a) Cliff b) Cliff, rock outcrops etc. (UK OAM maps) c) Groyne</p>			
<p>a) Cliff, sand, rocks b) Cliff area, sand, rocks, sea c) Sand, above and below tide line, marsh</p>			
<p>a) Contour lines b) Power lines, major and minor c) Aerial cable car</p>			
<p>a) Sledding area (difficulty not known)* b) Sled track (easy)* c) Nordic skiing route (intermediate)*</p> <p>*Border colours denote difficulty (see below)</p>			

<p>a) Downhill ski piste (easy)</p> <p>b) Border colours show difficulty:          Novice: green          Easy: blue          Intermediate: red          Advanced: black          Expert: orange          Free ride: yellow          Not known: pale blue</p> <p>c) Racetrack (inset: low zoom)</p>			
<p>a) Athletics track</p> <p>b) Toll road – main road</p> <p>b) Toll road – minor road</p>			
<p>a) Road tunnels</p> <p>b) Foot tunnel</p> <p>c) Road tunnel -- Velocity</p>			
<p>a) Railway</p> <p>b) Narrow gauge, preserved, or funicular railway</p> <p>c) Disused railway; abandoned railway</p>			
<p>a) Miniature railway</p> <p>b) Subway, Underground</p> <p>c) Tram, light rail, bus guideway</p>			
<p>a) Railway tunnel (twin track)</p> <p>b) Subway (rail) tunnel</p> <p>c) Light rail tunnel</p>			



<p>a) Narrow gauge railway tunnel b) Abandoned railway c) Ferry route</p>			
<p>a) Military building b) Historic building c) Historic area (to right)</p>			
<p>a) Military area b) Nature reserve (symbol &amp; boundary) or National Park (boundary only). <i>Pink tint indicates likely access restriction, gold tint indicates probable accessibility</i> c) Tourist attraction (symbol &amp; boundary)</p>			
<p>a) International border b) Disputed or de facto border c) Regional boundary</p>			
<p>a) Boundary (Velocity) b) Map border</p>			


Areas			
 aboriginal lands	 allotments	 beach	 beach resort
 construction site	 education	 fell	 glacier
 graveyard	 heath	 industrial	 landfill
 marsh/wetland	 military	 nature reserve	 orchard
 park etc	 protected (accessible)*	 protected (restricted)*	 swimming
 quarry	 residential	 retail	 rock
 scree	 tourist attraction	 scrub	 vineyard
 water park	 wood - coniferous	 wood - deciduous	 wood - mixed or unknown

\*Intensity of tint varies with zoom, being more intense at low zooms.












































## Accommodation, Transport and Water

 Airport gate	 Airport	 Mountain hut (various)	 Alpine hut	 Alpine hut (private)	 Alpine hut (winter)	 Wilderness hut	 Wilderness hut (private)	 Open front camping shed
 Bicycle hire	 Bridge (lifting)	 Bus stop (low zoom)	 Bus stop	 Bus station	 Camp site	 Caravan site	 Chalet	 Ferry terminal (low zoom)
 Ferry terminal	 Ford	 Fountain	 Fuel	 Geyser	 Helipad	 Holiday lets	 Hostel	 Hotel
 Junction number	 Lighthouse	 Parking	 Parking (covered)	 Parking	 Parking (covered, private)	 Rapids	 Slipway	 Spring
 Subway (low zoom)	 Subway	 Station (low zoom)	 Station	 Tram/light rail stop	 Tram stop	 Waterfall	 Weir	 Well

**Food and Tourism**

								
Archaeo-logical	Artwork	Bar	Bench	Biergarten	Boundary stone	Cafe	Castle	Cinema
								
Drinking water	Fast food	Fire station	Guidepost	Ice cream	Information office	Information terminal	Info board	Info map
								
Information (other)	Library	Memorial	Memorial: plaque	Memorial: statue	Memorial: Stolperstein	Memorial stone	War memorial	Monument
								
Museum	Picnic site	Police station	Post box	Post office	Pub	Restaurant	Recycling	Ruins
								
Shelter (low zoom)	Shelter	Shelter (picnic)	Shelter (rock)	Star attraction	Stone (historic)	Telephone	Theatre	Toilets
								
Viewpoint	Water wheel	Wayside cross	Wayside shrine	Windmill	Windpump	Zoo		

**Barriers, Money & official, Aerial ways, Towers, Miscellaneous, Worship**

 Blocks	 Bollard	 Border crossing	 Cycle barrier	 Gate	 Gate - private	 Gate – no bikes	 Kissing gate	 Lift gate
 Log	 Stile	 Stone (natural)	 Turnstile	 ATM	 Bank	 Currency exchange	 Embassy	 Town hall
 Aerialway station	 Cablecar	 Chair lift	 Drag lift	 Gondola	 Goods lift	 Comms mast	 Lookout tower	 Water tower
 Bunker (military)	 Bunker (disused)	 Cave	 Farm	 Mine	 Mine (disused)	 Petroleum well	 Sewage works	 Waterworks
 Buddhist	 Christian	 Hindu	 Jewish	 Buddhist	 Shinto	 Unknown or other		









**Sport, Eco**

 Beach resort	 Cliff diving	 Climbing	 Climbing adventure	 Downhill skiing	 Football	 Free flying	 Golf	 Leisure centre
 Miniature golf	 Nature reserve	 Nordic skiing	 Playground	 Playground (private)	 Recharging	 Roller skating	 Shooting	 Skateboard
 Sledding	 Stadium	 Swimming	 Tennis	 Track	 Tree	 Tree (alternative)	 Water park	

### Shops

 Baker	 Bicycle shop	 Bookshop	 Butchers	 Car repairs	 Clothes shop	 Convenience store	 DIY store	 Drinks shop
 Farm shop	 Florist	 Hair-dresser	 Laundrette	 Mall or Dept store	 Market	 Optician	 Organic, Greengrocer	 Sports shop
 Super-market	 Travel agency							





### Power

 Power station (coal)	 Power station (gas)	 Power station (nuclear)	 Power tower (major)	 Power tower (minor)	 Solar power	 Water power	 Wind power	
---	--	--	--	--	---	--	---	--




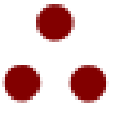

### Emergency

 Defibrillator	 Doctor	 Emergency access	 Emergency phone	 Hospital	 Pharmacy			
--	---	---	--	---	--	--	--	--

### Education

 Nursery	 School	 College	 University					
--	---	--	---	--	--	--	--	--

### Mountains

 Peak	 Survey point (peak)	 Volcano	 Cairn	 Pass				
---	--	--	--	---	--	--	--	--

**Traffic**



One way



One way  
ex. bikes



Traffic  
lights



Level  
crossing



Foot  
crossing

