

Pensieve header: The make file for all the summary maps.

```
In[*]:= SetDirectory["C:\\drorbn\\Album\\Summaries"];
```

```
In[*]:= fs = FileNames["./*/*.gpx"] ∪ FileNames["./*/*.kml"];
Short[fs = Complement[fs,
  Union[
    StringReplace[{"@.gpx" → ".gpx", "@.kml" → ".kml"}] /@
    Select[fs, StringPart[#, -5] == "@" &],
    {
      "..\\2022.05.08-12_Napoli_and_Around\\Day1Path.kml",
      "..\\2022.05.08-12_Napoli_and_Around\\Day2Path.kml",
      "..\\2022.05.08-12_Napoli_and_Around\\Day3Path.kml",
      "..\\2022.05.08-12_Napoli_and_Around\\Day4Path.kml",
      "..\\2022.05.08-12_Napoli_and_Around\\Day5Path.kml",
      "..\\2021.07.03_Stratford_-_New_Hamburg_-_Wellesley_Loop\\2021-07-03_06-04_Sat.gp
    }
  ]
], 5]
```

```
Out[*/Short=
{..\\2020.01.05 Groningen to Leeuwarden Ride\\PathInTimeline.gpx,
 ..\\2020.01.11 Groningen to Schiermonnikoog Ride\\PathInTimeline-1.gpx, <<316>>,
 ..\\2024.04.08_Burlington,_Bronte,_Sun,_Moon\\2024-04-08_1504103874_2024.04.08
 Burlington, Bronte, Sun, Moon.gpx,
 ..\\2024.04.13_Coyoacan_to_Ajusco\\2024-04-13_1512732165_2024.04.13_Coyoacan_to_Ajusco.
 gpx}
```

```
In[*]:= Monitor[Short[data = Union@Table[
  "Geometry" /. Import[f, "Data"] /.
  p : GeoPosition[[_ , None]] => Nothing[Print["In ", f, " removed ", p, "."]],
{f, fs}]], f]
```

GeoPosition: GeoPosition[{{53.2316, 7.46333}, None}] is not a valid position specification.

In ..\\2020.02.01_Groningen_to_Leer_Ride\\PathInTimeline.gpx
removed GeoPosition[{{53.2316, 7.46333}, None}].

GeoPosition: GeoPosition[{{43.8711, -78.7311}, None}] is not a valid position specification.

In ..\\2020.06.06_Darlington_Pickering_Toronto_Reverse_Ride\\PathInTimeline.gpx
removed GeoPosition[{{43.8711, -78.7311}, None}].

GeoPosition: GeoPosition[{{44.7738, -79.9389}, None}] is not a valid position specification.

General: Further output of GeoPosition::invpos will be suppressed during this calculation.

```
In ..\2020.06.20_Penetanguishene-Tiny_Ride\PathInTimeline.gpx
removed GeoPosition[{{44.7738, -79.9389}, None}].

In ..\2020.06.28_Eugenia_Collingwood_Ride\PathInTimeline.gpx
removed GeoPosition[{{44.3142, -80.5197}, None}].

In ..\2020.07.04_Bruce_Hike_1-Niagara_to_Welland\PathInTimeline.gpx
removed GeoPosition[{{43.1588, -79.0515}, None}].

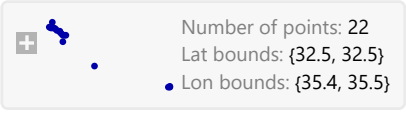
In ..\2020.07.25_Collingwood-Tiny_Ride\PathFromTimeline.gpx
removed GeoPosition[{{44.4952, -80.2203}, None}].

In ..\2020.08.01_Bruce_Hike_3-Lake_Moodie_to_Swayze_Falls\PathFromTimeline.gpx
removed GeoPosition[{{43.1075, -79.2492}, None}].

In ..\2020.08.08_Kinmount_Haliburton_Return_Ride\PathFromTimeline.gpx
removed GeoPosition[{{44.7816, -78.6525}, None}].

In ..\2022.05.07_Hike_Around_Nataf\Route_2022-05-07.gpx
removed GeoPosition[{{31.8317, 35.0661}, None}].
```

Out[*]//Short=

```
{Line[GeoPosition[], <<318>>],
{Point[GeoPosition[{{53.2214, 6.56616}}], <<8>>, Point[<<1>>]}, {<<1>>}}}
```

```
In[*]:= (*Short[data>DeleteCases[
  Union@Table["Geometry"/.Import[f,"Data"],{f,fs}],
  GeoPosition[[_ ,None]], ∞
]]*)
```

```
In[*]:= res = 1200;
Rasterize[map = GeoGraphics[{Red, data},
  GeoCenter → {0, 0}, GeoScaleBar → "Kilometers", ImageSize → res
], RasterSize → res]
Export["World.png", map];
```

Out[*]=



```
In[*]:= res = 1200; Rasterize[map = GeoGraphics[{Red, data},
  GeoRange → {{42.5, 45.2}, {-81.5, -76.8}},
  GeoScaleBar → "Kilometers", ImageSize → res
], RasterSize → res]
Export["Ontario@1200.png", map];
res = 900; Rasterize[map = GeoGraphics[{Red, data},
  GeoRange → {{42.5, 45.2}, {-81.5, -76.8}},
  GeoScaleBar → "Kilometers", ImageSize → res
], RasterSize → res]
Export["Ontario@900.png", map];
res = 120; Rasterize[map = GeoGraphics[{Red, data},
  GeoRange → {{42.57, 45.16}, {-81.65, -76.85}},
  ImageSize → res
], RasterSize → res]
Export["Ontario@120.png", map];
```

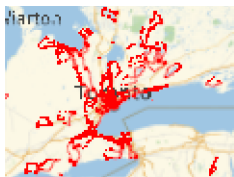
Out[]=



Out[]=



Out[]=

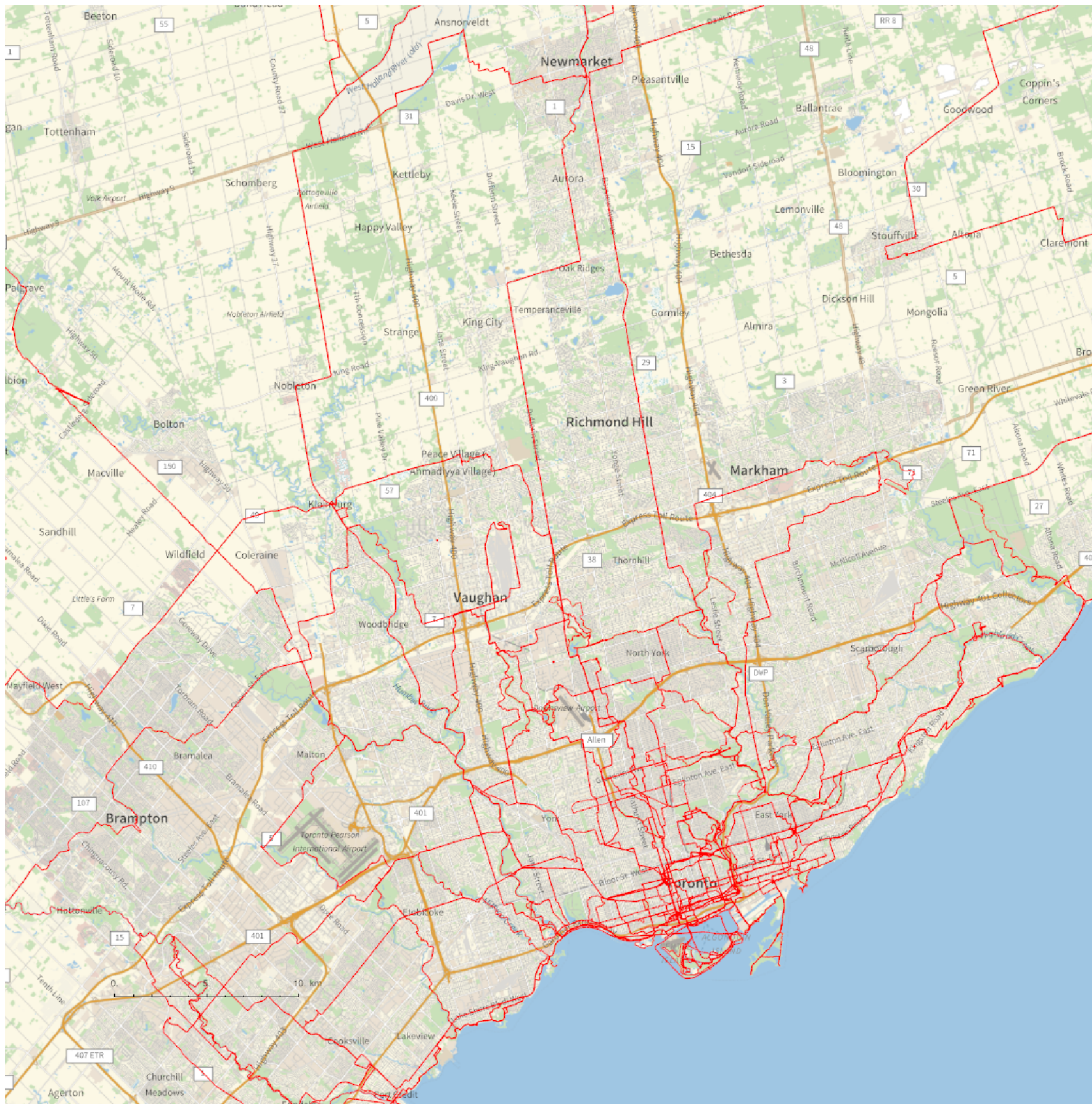


```

In[*]:= res = 1200;
Rasterize[map = GeoGraphics[{Red, data},
  GeoCenter -> {43.81810, -79.4769}, (* Dufferin and 407 *)
  GeoRange -> Quantity[30, "Kilometers"],
  GeoScaleBar -> "Kilometers", ImageSize -> res
], RasterSize -> res]
Export["Toronto@30km.png", map];

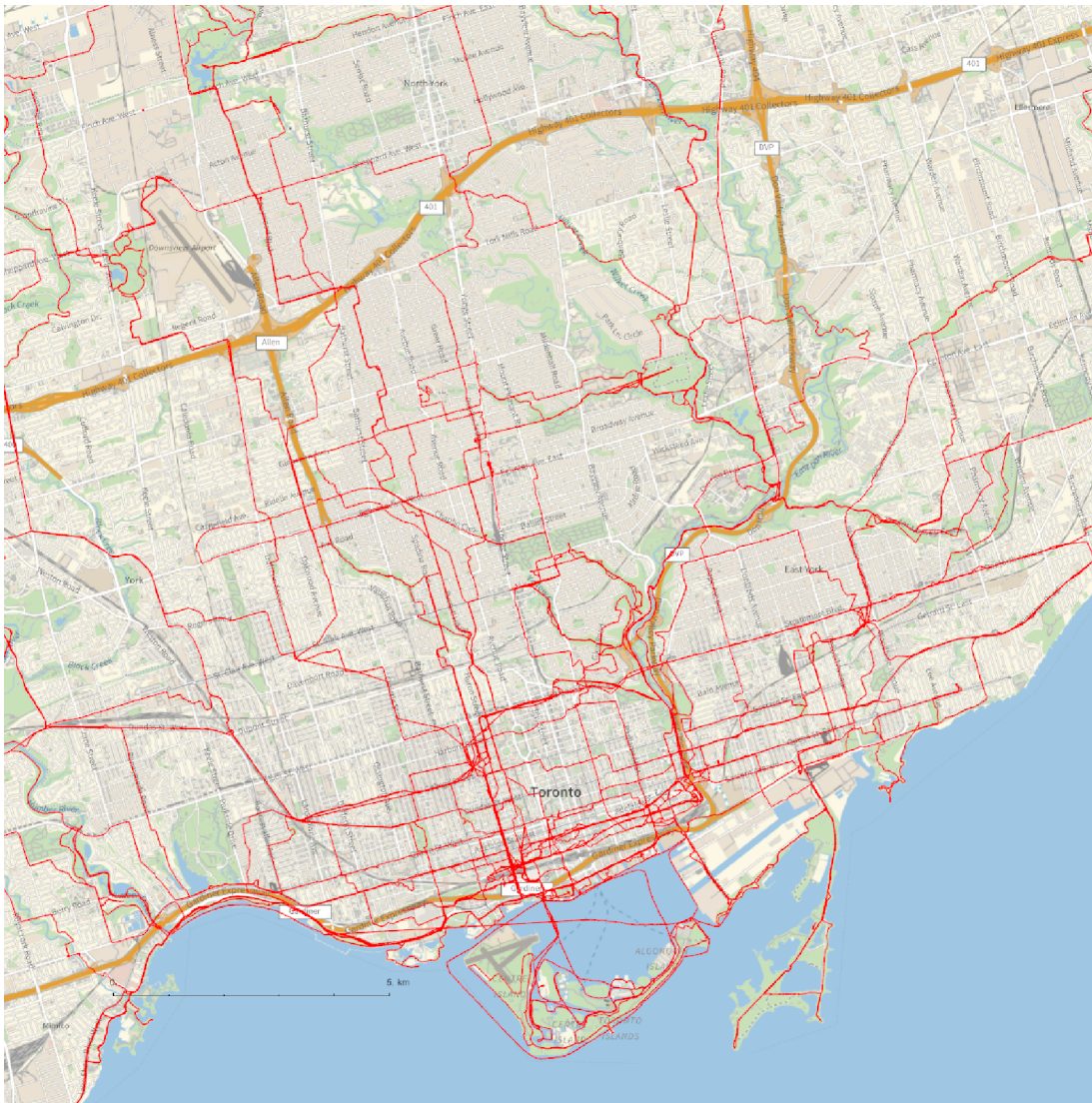
```

Out[*]=



```
In[ ]:= res = 1200;  
Rasterize[map = GeoGraphics[{Red, data},  
  GeoCenter → {43.69367376077453, -79.38464398255951}, (* Mount Pleasant and Moore *)  
  GeoRange → Quantity[10, "Kilometers"],  
  GeoScaleBar → "Kilometers", ImageSize → res  
], RasterSize → res]  
Export["Toronto@10km.png", map];
```

Out[]=

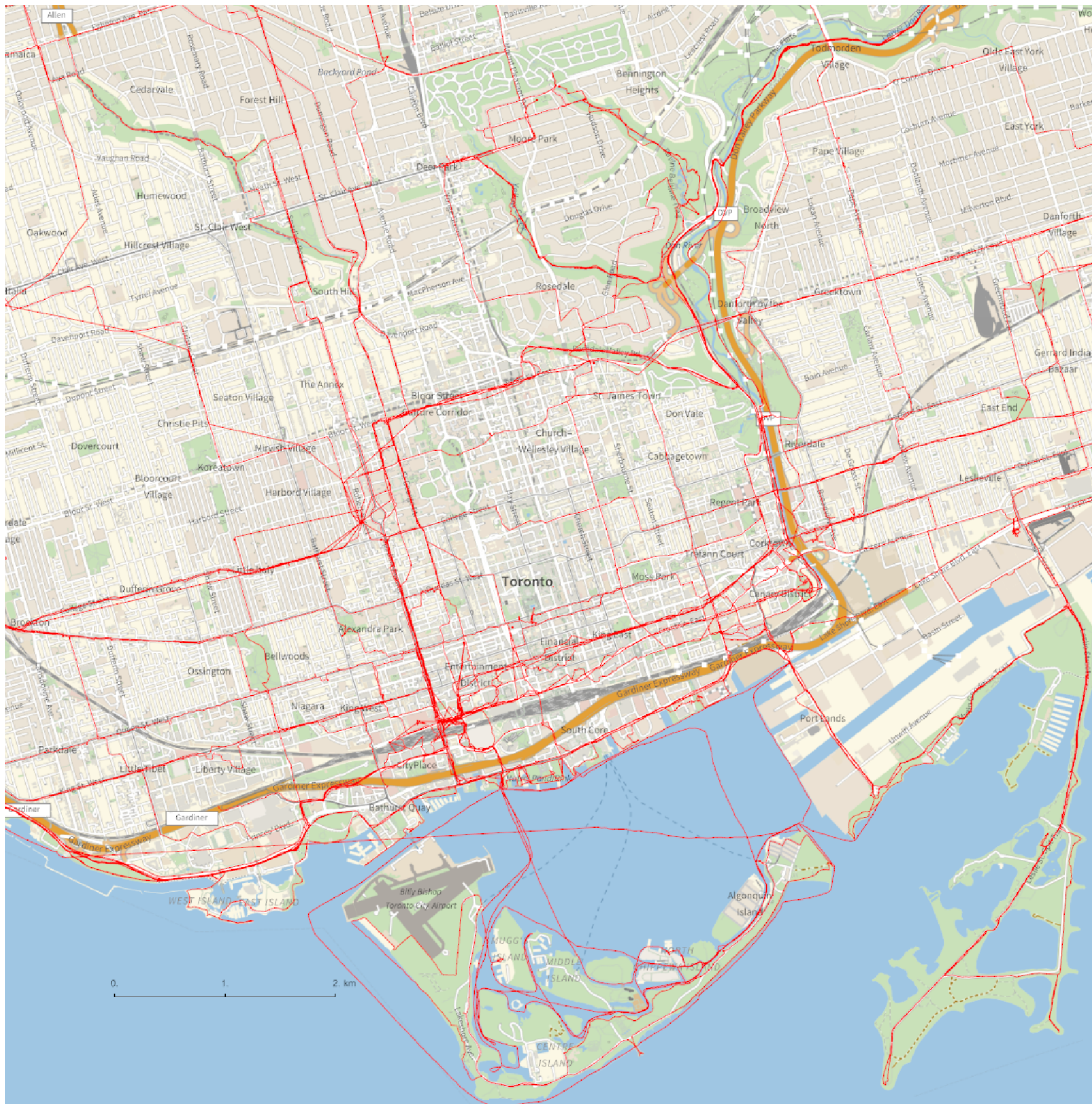


```

In[ ]:= res = 1200;
Rasterize[map = GeoGraphics[{Red, data},
  GeoCenter -> {43.65634428326165, -79.38089862401286}, (* Yonge and Dundas *)
  GeoRange -> Quantity[5, "Kilometers"],
  GeoScaleBar -> "Kilometers", ImageSize -> res
], RasterSize -> res]
Export["Toronto@5km.png", map];

```

Out[]=



```

In[ ]:= res = 900;
Rasterize[map = GeoGraphics[{Red, data},
  GeoRange -> {{51.82, 53.525}, {4.28, 7.55}},
  GeoScaleBar -> "Kilometers", ImageSize -> res
], RasterSize -> res]
Export["Netherlands.png", map];

```


Out[]=

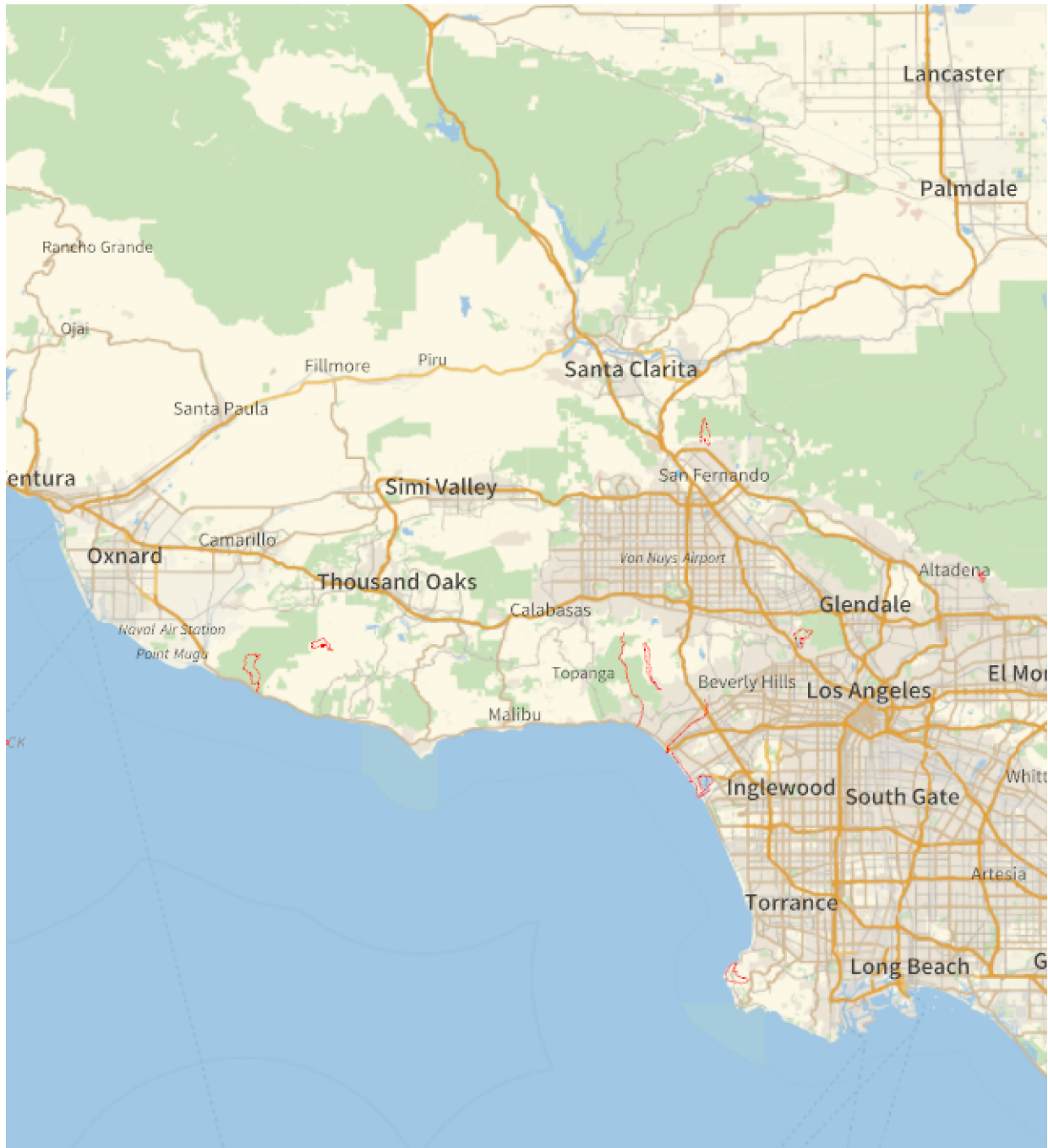


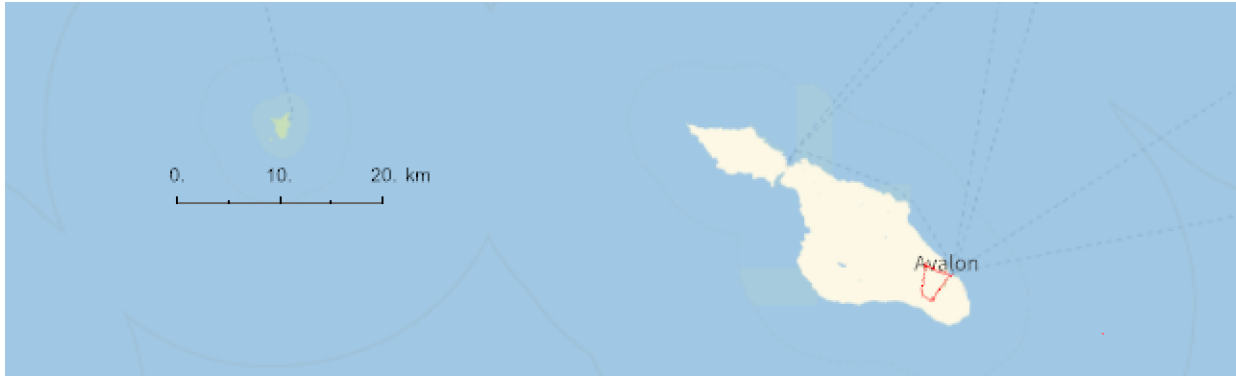
```

In[ ]:= res = 900;
Rasterize[map = GeoGraphics[{Red, data},
  GeoCenter → Los Angeles CITY  ✓],
  GeoRange → Quantity[85, "Kilometers"],
  GeoScaleBar → "Kilometers", ImageSize → res
], RasterSize → res]
Export["LosAngeles.png", map];

```

Out[]=





```
In[ ]:= res = 600;
Rasterize[map = GeoGraphics[{Red, data},
  GeoRange -> {{45.86850, 46.71561}, {5.84079, 7.34571}},
  GeoScaleBar -> "Kilometers", ImageSize -> res
], RasterSize -> res]
Export["Geneva.png", map];
```

Out[]:=



```
In[*]:= res = 900;  
Rasterize[map = GeoGraphics[{Red, data},  
  GeoRange → {{31.53, 32.9}, {34.47, 35.67}},  
  GeoScaleBar → "Kilometers", ImageSize → 600  
], RasterSize → res]  
Export["Israel.png", map];
```

Out[]=



19.180939989649424, -99.29228627026325
19.62350081265108, -98.99052117096049

```
In[ ]:= res = 800;
Rasterize[map = GeoGraphics[{Red, data},
  GeoRange -> {{19.18, 19.63}, {-99.3, -99}},
  GeoScaleBar -> "Kilometers", ImageSize -> 600
], RasterSize -> res]
Export["MexicoCity.png", map];
```

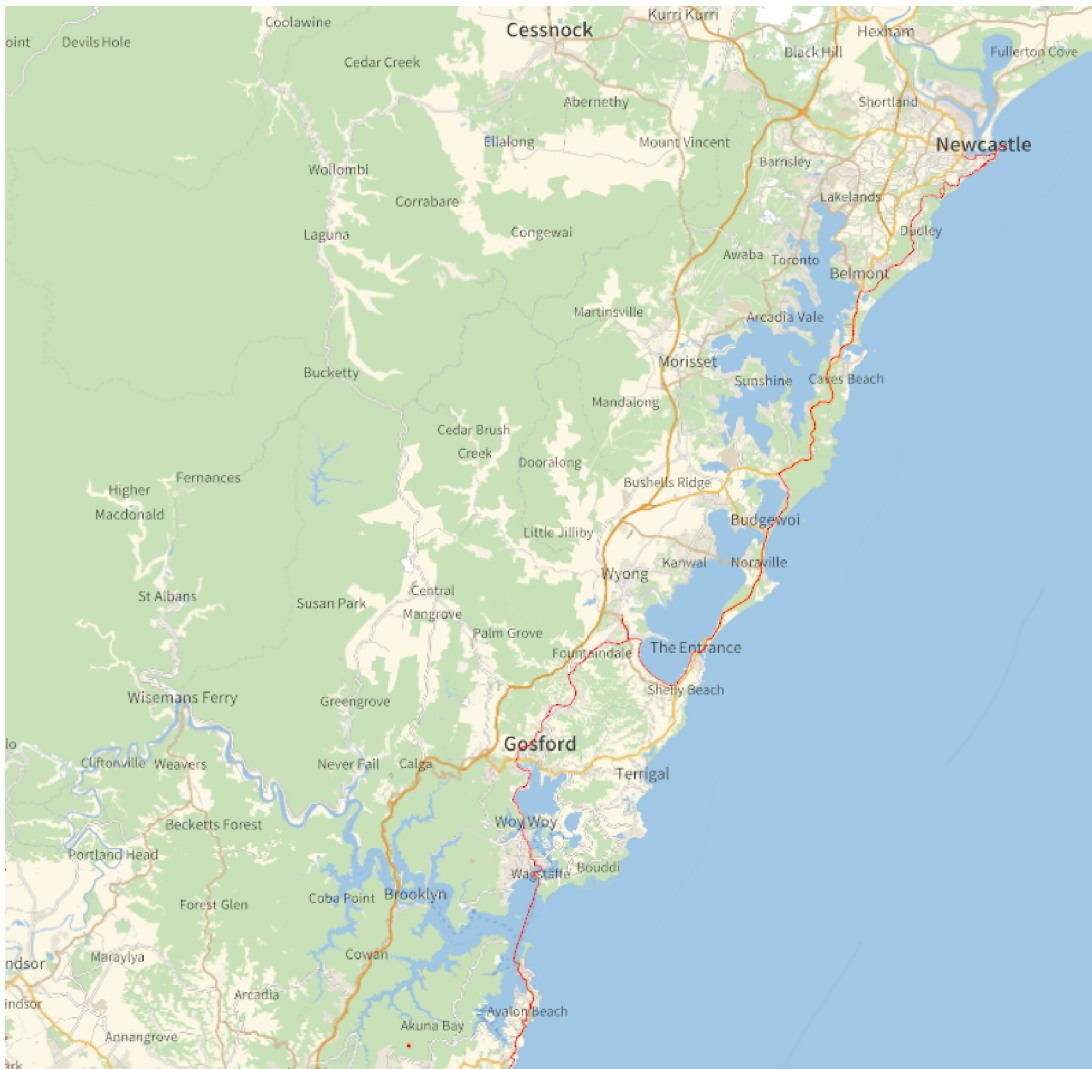
Out[]:=

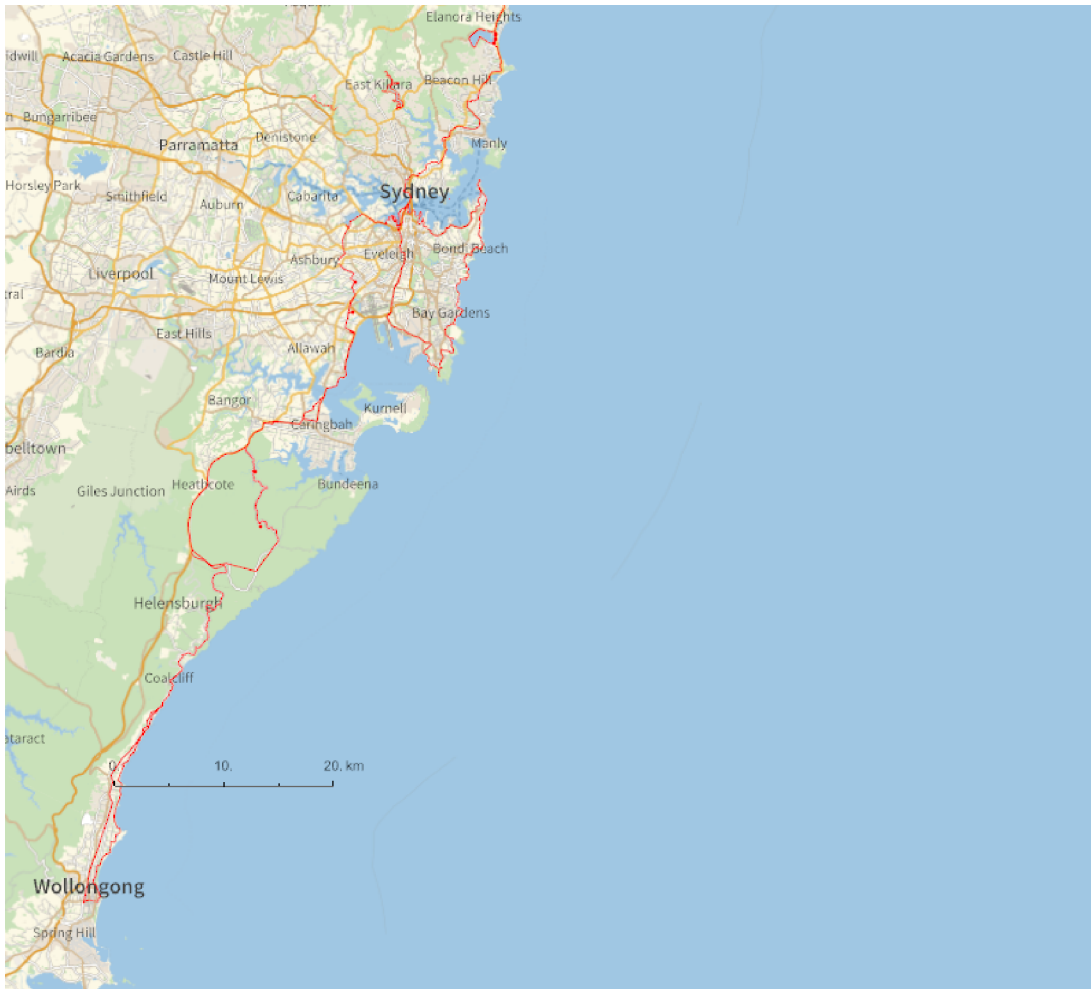




```
In[ ]:= res = 800;
Rasterize[map = GeoGraphics[{Red, data},
  GeoRange -> {{-34.5, -32.8}, {150.81, 151.9}},
  GeoScaleBar -> "Kilometers", ImageSize -> res
], RasterSize -> res]
Export["Sydney.png", map];
```

Out[]:=





```
In[ ] := res = 800;  
Rasterize[map = GeoGraphics[{Red, data}],  
  GeoRange -> {{35.10835, 35.93777}, {138.54443, 140.89821}},  
  GeoScaleBar -> "Kilometers", ImageSize -> res  
], RasterSize -> res]  
Export["Tokyo.png", map];
```


Out[]=



```
In[ ] := res = 900;  
Rasterize[map = GeoGraphics[{Red, data},  
  GeoRange -> {{40.60, 45.83}, {-76.75, -70.3}},  
  GeoScaleBar -> "Kilometers", ImageSize -> res  
], RasterSize -> res]  
Export["Northeast.png", map];
```

Out[] =



```

In[ ] := res = 800;
Rasterize[map = GeoGraphics[{Red, data},
  GeoRange -> {{42.17, 42.54}, {-71.30, -70.83}},
  GeoScaleBar -> "Kilometers", ImageSize -> res
], RasterSize -> res]
Export["Boston.png", map];

```

Out[] =

