## Calibrating a map with Google Earth

2020 : To do this you need a Google Static Maps API – which is free.

Open Google Earth and find the area that matches the map you wish to calibrate.



Click on the Add Path Icon and create a path by clicking on four or more points that are obvious landmarks – road junctions are usually good.

Give the path a name and close the dialogue box.

Save the path as a KML

Start MAPC2MAPC and click File>Calibrate a map from a file of points.

| File | Edit                          | View      | Print | MergeMaps |  | Utilities | Help                            | Batchbuilder | Text Ove |
|------|-------------------------------|-----------|-------|-----------|--|-----------|---------------------------------|--------------|----------|
|      | Load Ca                       | alibrated | Map   |           |  |           |                                 |              |          |
|      | Load image for calibration    |           |       |           |  |           | From a file of points (KML/GPX) |              |          |
|      | Open via GDAL                 |           |       |           |  |           | From Map Coordinates            |              |          |
|      | Build MAP from Map Source     |           |       |           |  |           | Four corners                    |              |          |
|      | Write calibrations            |           |       |           |  |           | North/South/East/West           |              |          |
|      | Write Garmin Custom Map (KMZ) |           |       |           |  |           | From another TIF file           |              |          |
|      | Write Garmin Custom Route Map |           |       |           |  |           | From a list of Waypoints        |              |          |
|      | Write Map for Mobile device   |           |       |           |  |           | With bounds from a GPX          |              |          |

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You will be asked to open the map image and the KML file you have just saved.



Click on your map at the same points as the track. As a guide, a thumbnail image from Google Earth appears showing where you clicked. You can zoom in or out on this. If it obstructs where you want to click, click on it to move it.

Red cross-hair icons will appear at each point. You can adjust their position by right-clicking.

As soon as you have clicked as many points as there are in the path the map is calibrated. It can be viewed if you wish to adjust the points and it can then be saved or written as a Custom Map.