OpenStreetMap

Steve Coast
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Why OSM?

- Data not Free/Open (artificial scarcity)
- Data not current
- Even if it was then a wiki is the next step
Using OSM
### Your GPS Traces

See traces from all users.

#### Upload GPX File
- **Choose File**: no file selected
- **Description**: 
- **Tags**: 
- **Public**: ✓

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<table>
<thead>
<tr>
<th>GPX File Name</th>
<th>Points</th>
<th>Description</th>
<th>Public?</th>
<th>Delete?</th>
</tr>
</thead>
<tbody>
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<td>2,099</td>
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<td>✔️</td>
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<td>✔️</td>
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### Tags
- mapchester
- manchester
- uk
- IoW
- isleofwight
- isle_of_wight
- workshop1
- lewisham
- wandsworth
- bloomsbury
- london
- M25
- M1
- M40
- horsham
- guildford
- A248
- A25
- A2003
- A281
- test
- littlehaven
Your GPS Traces

see traces from all users

Editing the trace mc-steve-4.gpx

filename: mc-steve-4.gpx
uploaded: 2006-05-13 16:24:51
description: sat afternoon from someone
tags: mapchester manchester uk

Save
Some Quotes
“It’s absolutely possible for a bunch of smart guys with the technology we have today to capture street networks, and potentially the major roads of the UK and minor roads”
“It’s absolutely possible for a bunch of smart guys with the technology we have today to capture street networks, and potentially the major roads of the UK and minor roads”

Ed Parsons - CTO Ordnance Survey
“If you don’t make [lower-resolution mapping data] publicly available, there will be people with their cars and GPS devices, driving around with their laptops .. They will be cataloguing every lane, and enjoying it, driving 4×4s behind your farm at the dead of night. There will, if necessary, be a grass-roots remapping.”
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Tim Berners-Lee
“You could have a community capability where you took the GPS data of people driving around and started to see, oh, there’s a new road that we don’t have, a new route .. And so that data eventually should just come from the community with the right software infrastructure.”
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Bill Gates
Using OSM Data

API, REST, XML, planet.osm
OpenStreetMap Database Statistics

Users and User gpx Uploads (track points)

Track Points
OSM Registered Users

By (Date)
§ 105. Subject matter of copyright: United States Government works

Copyright protection under this title is not available for any work of the United States Government, but the United States Government is not precluded from receiving and holding copyrights transferred to it by assignment, bequest, or otherwise.
Workshops

Or, Map as Party
Fallout
Norman Dennison, director of Geographers’ A-Z Map Company, confirms that Lye Close is a lie, which will now be removed. “The idea is to put something on the map to protect copyright,” he says. “We try to put it in an area or a part of a road which would not be misleading to the ordinary person in the street. They have been put in out-of-the-way places.”
• Quote from Guardian article:
  “We make an average of 5,000 changes to our large-scale data every day,” said an OS spokesperson. “It’s not about mapping the Isle of Wight once - it’s about continuing to map it ... It is expensive to collect detailed, accurate information on the ever-changing world to the level of detail our customers require.”
From an OSM spokesperson:

“This month we made an average of 6,567 (Note 1) changes to our large scale-data every work day” said an OSM spokesperson. “It’s not about mapping the Isle of Wight once - it’s about continuing to map it ... and using enthusiastic and passionate volunteer surveyors we are collecting more information every day with 1,864 registered volunteers than the Ordnance Survey manages to do with a paid full time workforce of 1,490.”
Postcodes!?
Thanks for listening

Steve Coast

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