OpenStreetMap

Free wiki world map - http://wiki.openstreetmap.org

Points

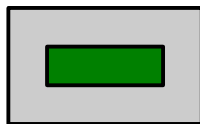Pub, supermarket, train station ...

Lines

Highway, power line, boundary ...

Polygons

Building, park, land use ...

Relations

Multipolygons (e.g. building with a Courtyard – donut hole, lake with an island); Route with multiple line segments.

Data collection – many different ways:

GIS data imports:
* US Census TIGER data (roads)
* Global Names Information System (GNIS)
* Washington DC GIS (buildings, parks, …)

Trace from public domain (or compatibly licensed) imagery, using Potlatch (web) editor, JOSM (Java) editor, other editors:
* Yahoo! Satellite imagery
* USGS WMS (web map service)

Collect GPS tracks – where no good imagery is available, where there is tree cover (e.g. trails)

Walking papers, notes, photographs..,

Mobile apps
* Mapzen POI collector App for iPhone

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Tag cheat sheet

Highway
* highway = motorway
* highway = trunk
* highway = primary
* highway = secondary
* highway = tertiary
* highway = residential
* highway = service
* highway = footway

Service Roads
* service = parking_aisle
* service = alley
* service = driveway

Food
* amenity = bar
* amenity = cafe
* amenity = fast_food
* amenity = nightclub
* amenity = pub
* amenity = restaurant

Shop
* shop = clothes
* shop = convenience
* shop = cosmetics
* shop = supermarket
* shop = ____ (put anything)

Leisure
* amenity = cinema
* leisure = golf_course
* leisure = marina
* leisure = park
* leisure = pitch (sports field)
* leisure = stadium

Tourism
* tourism = hotel
* tourism = monument
* tourism = museum
* amenity = cinema
* amenity = fountain
* amenity = theatre

Detailed tag guidelines: http://wiki.openstreetmap.org/wiki/Map_features

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Tag cheat sheet

Public institutions:
* amenity = library
* amenity = school
* amenity = university
* amenity = place_of_worship
    - religion = christian
    - religion = jewish
    - religion = islam
    - denomination = baptist

Address / metadata:
* addr:housenumber
* addr:street
* phone
* url
* wikipedia

Building
* building = yes
* building = apartment

Auto
* amenity = fuel
* amenity = parking
 - area = yes ? - if surface lot
 - access = public (if public garage, lot)
  - access = permissive (e.g. customer lot)
  - access = private

Services:
* amenity = bank
* shop = dry_cleaner
* shop = hairdresser

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Tagging examples

Tisch School of Arts Building:
* building = yes
* name = Tisch School of the Arts
* addr:housenumber = 721
* addr:street = Broadway
* phone = 555-555-5555
* url = http://www.tisch.nyu.edu/
* wikipedia = Tisch_School_of_the_Arts

Broadway:
* highway = secondary
* name = Broadway

NYU Campus
* amenity = university
* name = New York University

Chipotle Mexican Grill:
* amenity = fast_food
* name = Chipotle (or Chipotle Mexican Grill)
* cuisine = mexican
* addr:housenumber = 510
* addr:street = 6th Avenue
* phone = 656-336-6203
* url = http://www.chipotle.com
* description = blah blah blah...

7-Eleven:
* shop = convenience
* name = 7-Eleven
* addr:housenumber = 345
* addr:street = West 42nd Street
* phone = 212-247-7144

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