"Nieuwe Hollandse Waterlinie - Utrecht"

OpenStreetMap Renderer for ArcGIS

Railway (Lines) - Tunnel
- <all other values>
- rail
- light_rail
- subway
- tram
- monorail
- funicular
- narrow_gauge
- preserved
- miniature
- abandoned
- disused
- proposed
- construction
- platform

Tourism (Points) - Viewpoint
- viewpoint_other
- viewpoint, viewpoint_tower

Tourism (Points) - Information Office
- office

Tourism (Points) - Information Guidepost
- guidepost

Tourism (Points) - Information Map
- map

Tourism (Points) - Information Board
- board, <null>
- board_district
- board, geology
- board, history
- board, nature
- board, plants
- board, wildlife

Tourism (Points)
- wilderness_hut
- alpine_hut
- hostel
- camp_site
- caravan_site
- motel
- museum
- picnic_site
- theme_park
- zoo

Tourism (Points) - Zoo Enclosure
- zoo enclosure

Historic (Points)
- archaeological_site
- battlefield
- boundary_stone
- castle
- fort
- manor
- memorial
- milestone
- monument
- palace
- ruins

Place of worship (Points)
- buddhist
- christian
- hindu
- jewish
- muslim
- shinto
- sikh
- taoist

Leisure (Points)
- bird_hide
- dog_park
- fishing
- ice_rink
- miniature_golf
- swimming_pool
- wildlife_hide

Aerialway (Points)
- station

Natural (Points)
- fox
- beach
- cape
- cave_entrance
- geyser
- peak
- reef
- spring
- volcano

Power (Points) - Wind Turbine
- wind turbine

Power (Points) - Cable Distribution Cabinet
- cable_distribution_cabinet

Power (Points) - Compensator
- compensator

Power (Points) - Converter
- converter

Power (Points) - Transformer
- transformer

Power (Points) - Switch
- switch

Power (Points) - Pole_Tower
- pole
- tower

Aerroway (Points)
- gate (number)
- helipad

Man made (Points) - Telescope
- radio_telescope
- telescope

Man made (Points) - Communications Tower
- communications_tower

Man made (Points) - Tower
- mast_communication
- mast_lighting
- tower, communication
- tower, defensive
- tower, lighting
- tower, observation

Man made (Points)
- beacon
- crane
- lighthouse
- mineshaft
- water_tower
- water_well
- watermill
- windmill

Highway (Points)
- traffic_signals
- street_lamp

Highway (Points) - Motorway Junction
- motorway_junction

Railway (Points)
- buffer_stop
- halt
- level_crossing
- subway_entrance
- station
- tram_stop
- turntable

Amenity (Points) - Shelter Public Transport
- shelter, public_transport

Amenity (Points) - Shelter
- shelter, <null>
- shelter, basic_hut
- shelter, lean_to
- shelter, picnic_shelter
- shelter, rock_shelter
- shelter, weather_shelter

Amenity (Points) - Hospital
- hospital, emergency=yes
- hospital, emergency=no
- hospital, unknown
- clinic, emergency=yes
- clinic, emergency=no
- clinic, unknown

Amenity (Points) - Public Parking
- public parking

Amenity (Points) - Destination Parking
- customers or destination parking

Amenity (Points)
- bus_station
- cinema
- ferry_terminal
- fire_station
- fuel
- hunting_stand
- library
- police
- post_office
- theatre
- toilets
- townhall

Power (Lines) - Line
- line
- minor_line

Power (Lines) - Busbar_Bay
- bay
- busbar

Power (Lines) - Cable
- cable

Aerroway (Lines)
- cable_car
- gondola
- chair_lift
- mixed_lift
- t-bar
- j-bar
- platter
- rope_tow
- magic_carpet
- goods

Route (Lines) - Piste
- downhill, novice
- downhill, easy
- downhill, intermediate
- downhill, advanced
- downhill, expert
- downhill, freeride
- downhill, <null>
- nordic, novice
- nordic, easy
- nordic, intermediate
- nordic, advanced
- nordic, expert
- nordic, unknown
- skitour, unknown
- sled, unknown
- sleigh, unknown

Historic (Lines) - Aqueduct
- aqueduct bridge
- aqueduct

Man made (Lines) - Pipeline Overground
- pipeline

Man made (Lines) - Pipeline Bridge
- pipeline bridge

Aerroway (Lines)
- runway
- taxiway

Natural (Lines)
- arete
- cliff
- ridge
- strait

Natural (Points) - Tree Natural Monument
- tree natural_monument

Natural (Points) - Tree
- tree

Natural (Lines) - Tree_row
- tree_row

Barrier (Lines) - City Wall
- city_wall

Boundary (Polygons)
- national_park
- protected_area

Man made (Polygons) - Boundary
- embankment
- wastewater_plant
- water_works

Tourism (Polygons) - Zoo Enclosure
- zoo enclosure

Tourism (Polygons) - Boundary
- attraction
- camp_site
- caravan_site
- museum
- picnic_site
- theme_park
- viewpoint
- zoo

Historic (Polygons) - Boundary
- Historic (Polygons) - Boundary

Sport (Polygons) - Public Swimming Open Air
- swimming open air

Land use (Polygons) - Observatory
- observatory

Land use (Polygons) - Boundary
- brownfield
- greenfield
- military

Waterway (Polygons) - Boundary
- weir
- boatyard

Leisure (Polygons) - Boundary
- fishing
- marina
- miniature_golf
- nature_reserve
- water_park

Amenity (Polygons) - Hospital Boundary
- clinic or hospital

Amenity (Polygons) - Boundary
- bus_station
- college
- ferry_terminal
- fire_station
- fuel
- university

Power (Polygons) - Solar Photovoltaic Panel
- solar_photovoltaic_panel

Building (Polygons) - Roof
- Building (Polygons) - Roof

Power (Polygons) - Compensator
- compensator

Power (Polygons) - Converter
- converter

Power (Polygons) - Substation Building
- substation building
- sub_station building (avoid, use substation)

Power (Polygons) - Substation
- substation
- sub_station (avoid, use power=substation)

Power (Polygons) - Generator
- generator

Power (Polygons) - Plant
- plant

Tourism (Polygons) - Building
- alpine_hut
- attraction
- gallery
- information
- motel
- museum
- viewpoint
- wilderness_hut

Historic (Polygons) - Building
- <all other values>
- aboveboat
- castle
- city_gate
- citywalls
- fort
- manor
- memorial
- monument
- palace
- ruins

Amenity (Polygons) - Hospital Building
- hospital, emergency=yes
- hospital, emergency=no
- hospital, unknown
- clinic, emergency=yes
- clinic, emergency=no
- clinic, unknown

Building (Polygons) - Hospital
- hospital, emergency=yes
- hospital, emergency=no
- hospital, unknown
- clinic, emergency=yes
- clinic, emergency=no
- clinic, unknown

Place of worship (Polygons) - Building
- generic place of worship
- cathedral
- chapel
- church
- convent
- monastery
- mosque
- synagogue
- temple

Amenity (Polygons) - Building
- bus_station
- cinema
- ferry_terminal
- fire_station
- fuel
- library
- police
- post_office
- prison
- theatre
- toilets
- townhall

Aerroway (Polygons) - Facility
- hangar
- helipad
- terminal

Aerialway (Polygons) - Building
- aerialway station building

Sport (Polygons) - Public Swimming Building
- swimming building or covered

Sport (Polygons) - Ice Rink Building
- ice rink building or covered

Sport (Polygons) - Skating Building
- skating building or covered (avoid, use sport=ice_skating)

Leisure (Polygons) - Building
- bird_hide
- sports_centre
- stadium
- track building or covered
- wildlife_hide

Military (Polygons) - Building
- barracks

Military (Polygons) - Bunker
- bunker

Building (Polygons) - Bunker
- bunker

Amenity (Polygons) - Parking Building Public
- public parking

Amenity (Polygons) - Parking Building Destination
- customers or destination parking

Man made (Polygons) - Telescope
- telescope
- radio_telescope

Man made (Polygons) - Communications Tower
- communications_tower

Man made (Polygons) - Tower
- communication
- cooling
- defensive
- observation

Building (Polygons)
- generic building
- barn
- castle (avoid, use historic=castle)
- city_hall
- construction
- factory
- garage
- garages
- glasshouse
- greenhouse
- hangar
- houseboat
- hut
- industrial
- office
- palace (avoid, use historic=castle)
- retail
- school
- shed
- static_caravan
- university
- warehouse

Railway (Lines) - Layer 0
- <all other values>
- rail
- light_rail
- subway
- tram
- monorail
- funicular
- narrow_gauge
- preserved
- miniature
- abandoned
- disused
- crane
- construction
- proposed
- platform

Railway (Lines) - Layer 0 - Siding, spur, yard
- <all other values>
- rail: yard
- rail: siding
- rail: spur
- light_rail: yard
- light_rail: siding
- light_rail: spur
- subway: yard
- subway: siding
- subway: spur
- tram: yard
- tram: siding
- tram: spur
- monorail: yard
- monorail: siding
- monorail: spur
- funicular: yard
- funicular: siding
- funicular: spur
- preserved: yard
- preserved: siding
- preserved: spur
- miniature: yard
- miniature: spur
- miniature: siding
- narrow_gauge: yard
- narrow_gauge: siding
- narrow_gauge: spur
- abandoned: yard
- abandoned: siding
- abandoned: spur
- disused: yard
- disused: siding
- disused: spur
- construction: yard
- construction: siding
- construction: spur
- proposed: yard
- proposed: siding
- proposed: spur
- platform: yard
- platform: siding
- platform: spur

Highway (Lines) - Layer 0
- <all other values>
- motorway
- motorway_link
- trunk
- trunk_link
- primary
- primary_link
- secondary
- secondary_link
- tertiary
- tertiary_link
- unclassified
- road
- residential
- living_street
- raceway
- service
- track
- path
- pedestrian
- footway
- steps
- cycleway
- bridleway
- bus_guideway
- platform
- ford
- proposed
- construction

Highway (Lines) - Layer 0 - Bridge
- <all other values>
- motorway bridge
- motorway_link bridge
- trunk bridge
- trunk_link bridge
- primary bridge
- primary_link bridge
- secondary bridge
- secondary_link bridge
- tertiary bridge
- tertiary_link bridge
- unclassified bridge
- road bridge
- residential bridge
- living_street bridge
- raceway bridge
- service bridge
- track bridge
- path bridge
- pedestrian bridge
- footway bridge
- steps bridge
- cycleway bridge
- bridleway bridge
- bus_guideway bridge
- platform bridge
- ford bridge
- proposed bridge
- construction bridge

Railway (Polygons)
- platform
- turntable

Building (Polygons) - Train Station
- train_station

Barrier (Lines) - Wall
- wall
- retaining_wall

Barrier (Lines) - Ditch
- ditch

Barrier (Lines) - Hedge
- hedge

Man made (Polygons)
- breakwater
- bridge
- chimney
- crane
- gasometer
- groyne
- lighthouse
- mineshaft
- monitoring_station
- pier
- pumping_station
- reinforced_slope
- silo
- storage_tank
- storm_surge_barrier
- water_tower
- water_well
- watermill
- windmill
- works

Man made (Lines)
- embankment
- pier
- groyne
- breakwater

Man made (Lines) - Dyke_Levee
- dike (avoid, use man_made=dyke)
- dyke
- levee

Highway (Lines) - Embankment
- <all other values>
- motorway
- motorway_link
- trunk
- trunk_link
- primary
- primary_link
- secondary
- secondary_link
- tertiary
- tertiary_link
- unclassified
- road
- residential
- living_street
- raceway
- service
- track
- path
- pedestrian
- footway
- steps
- bridleway
- bus_guideway
- platform
- ford
- proposed
- construction

Railway (Lines) - Embankment
- <all other values>
- abandoned
- disused

Embankment (Lines)
- embankment

Barrier (Polygons) - Boundary
- ditch
- wall
- hedge

Aerroway (Polygons) - Apron
- apron

Building (Polygons) - Underground
- Building (Polygons) - Underground

Barrier (Polygons)
- city_wall
- hedge
- retaining_wall

Route (Lines) - Ferry
- ferry

Highway (Lines) - Tunnel
- <all other values>
- motorway tunnel
- motorway_link tunnel
- trunk tunnel
- trunk_link tunnel
- primary tunnel
- primary_link tunnel
- secondary tunnel
- secondary_link tunnel
- tertiary tunnel
- tertiary_link tunnel
- unclassified tunnel
- road tunnel
- residential tunnel
- living_street tunnel
- raceway tunnel
- service tunnel
- track tunnel
- path tunnel
- pedestrian tunnel
- footway tunnel
- steps tunnel
- cycleway tunnel
- bridleway tunnel
- bus_guideway tunnel
- platform tunnel
- ford tunnel
- proposed tunnel
- construction tunnel

Highway (Lines) - Cutting
- <all other values>
- motorway
- motorway_link
- trunk
- trunk_link
- primary
- primary_link
- secondary
- secondary_link
- tertiary
- tertiary_link
- unclassified
- road
- residential
- living_street
- raceway
- service
- track
- path
- pedestrian
- footway
- steps
- cycleway
- bridleway
- bus_guideway
- platform
- ford
- proposed
- construction

Railway (Lines) - Cutting
- <all other values>
- abandoned
- disused

Cutting (Lines)
- cutting

Reservoir Covered (Polygons)
- reservoir covered

Reservoir (Polygons)
- reservoir

Waterway (Lines) - Dam, Weir
- dam
- weir

Waterway (Polygons)
- <all other values>
- canal
- dam
- ditch
- dock
- drain
- lake
- lock
- riverbank
- stream

Natural (Polygons) - Water
- bay
- reef
- spring
- water
- waterfall

Land use (Polygons) - Water
- basin
- salt_pond

Waterway (Lines)
- canal
- ditch
- drain
- river
- stream
- wadi

Woodland (Polygons)
- Other woodland type
- Unknown
- Coniferous
- Deciduous
- Mixed

Sport (Polygons) - Swimming Pool Open Air
- swimming pool open air

Sport (Polygons) - Ice Rink Open Air
- ice rink open air

Sport (Polygons) - Skating Open Air
- skating open air (avoid, use sport=ice_skating)

Leisure (Polygons) - Feature
- bird_hide
- dog_park
- pitch
- playground
- sports_centre
- stadium
- track
- wildlife_hide

Highway (Polygons)
- pedestrian
- rest_area
- services

Geological (Polygons)
- moraine

Natural (Polygons)
- <all other values>
- bare_rock
- beach
- cape
- fell
- glacier
- grassland
- heath
- land
- moor
- mud
- rock
- sand
- scree
- scrub
- tundra
- wetland

Amenity (Polygons) - Parking Area Destination
- customers or destination parking

Amenity (Polygons) - Area
- bus_station
- grave_yard
- marketplace

Leisure (Polygons) - Area
- caravan
- garden
- park
- golf_course
- miniature_golf

Land use (Polygons)
- <all other values>
- allotments
- cemetery
- commercial
- construction
- farm
- farmyard
- garages
- grass
- greenhouse_horticulture
- industrial
- landfill
- meadow
- orchard
- quarry
- railway
- recreation_ground
- residential
- retail
- village_green
- vineyard

Aerroway (Polygons) - Aerodrome
- aerodrome

Place (Polygons) - Island
- island

"NHW - Utrecht"

as rendered by the OSM Renderer for ArcGIS
Application development by MSc Marco Boeringa
Note: Contours may contain artefacts due to uncorrected source

Kilometers
0 0,2250,45 0,9

Projection: ArcGIS: WGS 1984 Web Mercator (auxiliary sphere)
1:25.000

Data Credits: © **OpenStreetMap contributors, 2014**, contours based on ASTER GDEM: **ASTER GDEM is a product of METI and NASA**.
Disclaimer: OpenStreetMap is a community project. Data provided "AS IS". Map author does not take any responsibility for possible in-accuracies or errors in the map, or damages caused by the use of this map.

Cartography and application development of the OSM Renderer for ArcGIS by MSc Marco Boeringa (marco@boeringa.demon.nl). The OSM Renderer is a combined ModelBuilder / Python toolbox that depends on ESRI's "OpenStreetMap Editor for ArcGIS" for preliminary data preparation and extraction of attributes, but enhances this with OSM rendering rules and automated data processing to build a topographic style map. It makes extensive use of SQL Definition Queries, Symbol Level Drawing and (Maplex) labeling options. The OSM Renderer for ArcGIS cartographic styling is loosely based on CartoCSS/Mapnik rendering, with adjustments.