

With the help of a software or AI tool, I want to be able to take a **reference point** on Google map or google earth, and then from the reference point calculate parameters in a given radius (Area) of 1, 2, to 3km (maximum of a mile)

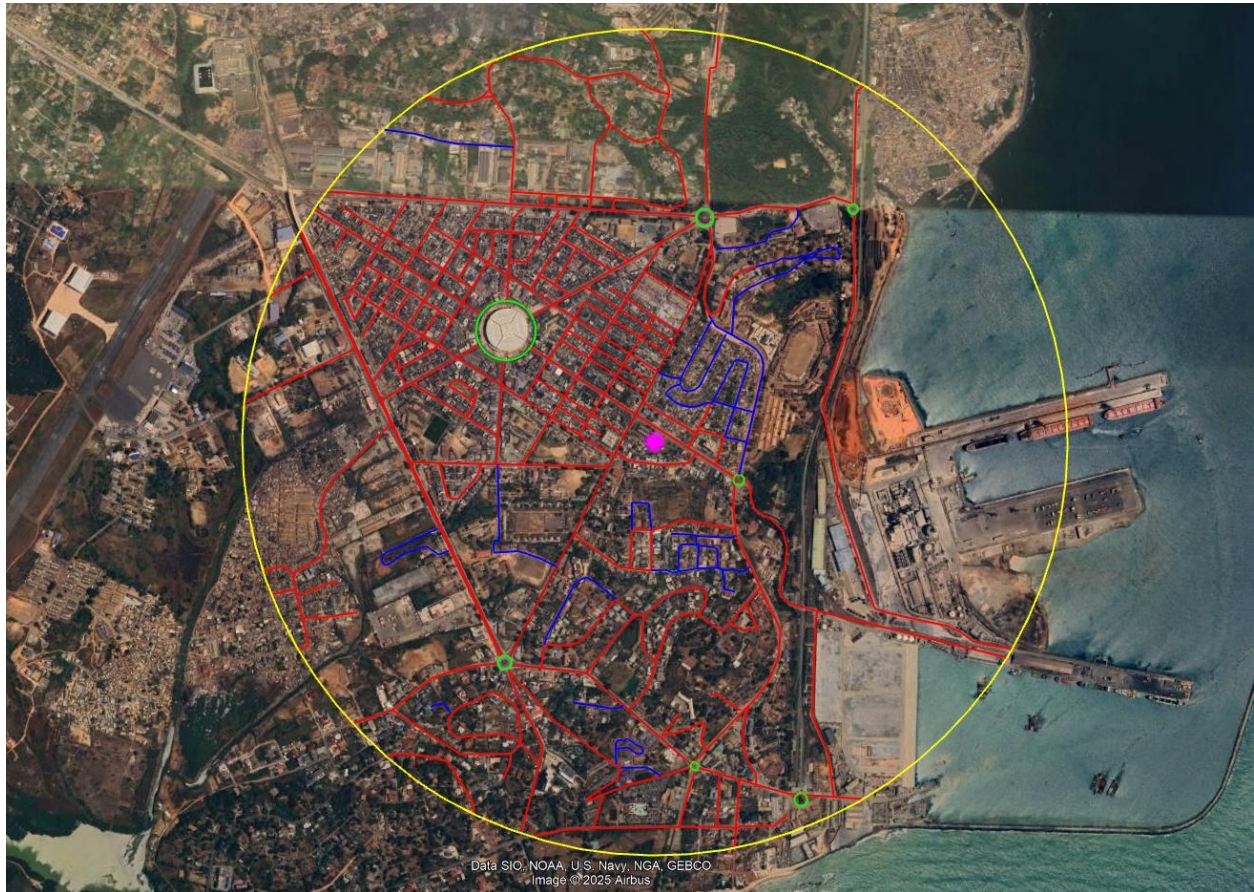


Figure 4.6parameters with the catchment area

Search Parameters

Input Mode

☒ Address
☐ Coordinates

Address or place

Takoradi GCB bank

Radius Units

miles

Radius

1.00

-

+

Calculate

Building Density Calculator

Compute buildings and density within a radius using OpenStreetMap data.

Map

Results

Buildings found

2049

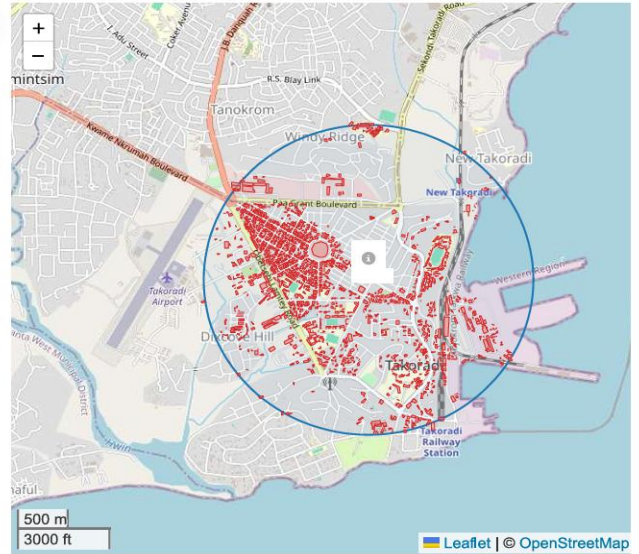
Search area: 8.137 sq km (3.142 sq mi)

Density: 251.82 buildings/sq km

Density: 652.22 buildings/sq mi

> Run metadata

Note: OSM is community-sourced; completeness varies by location.



Parameters in given radius

Google api Traffic within radius

peak hour volume, 24hr volume

Speed within radius, average, highest and lowest speed, 85th percentile

Road Parameters within radius

The number of intersections

Tarred intersections

Untarred intersections

Length of roads

Tared roads length

Untarred roads length

Length of sidewalks

Area of roads

Area of tared roads

Area of untarred roads

Building parameters within radius

The number of buildings

Density of buildings

Average height of buildings

Total height of buildings

Area of buildings to land area

Covered land area to bare land area

Number and density of certain land uses within area or radius

taxi stations,

bus stops,

lorry stations.

markets

Schools

hospitals

Proximity of certain land uses within radius to reference point,

how far these parameters are away from reference point within the radius area in terms of shortest distance, longest distance and average distance, total distance

intersections

taxi stations,

bus stops,

lorry stations.

markets

Schools

hospitals

infact the more identifiable land uses the better

area of these land uses within the radius area

taxi stations,

bus stops,

lorry stations.

markets

Schools

hospitals

infact the more identifiable land uses the better

please counting on you