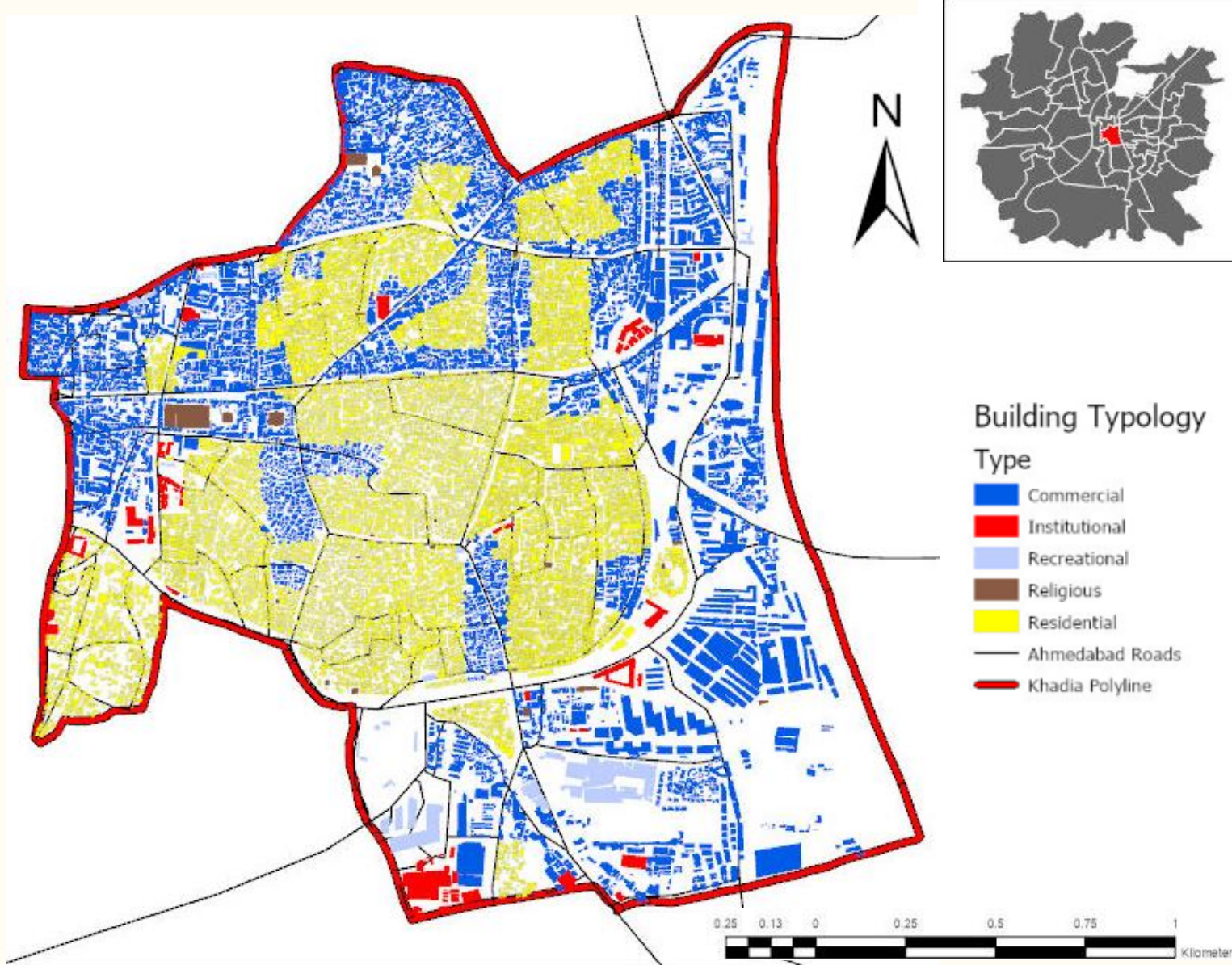


Building Typology

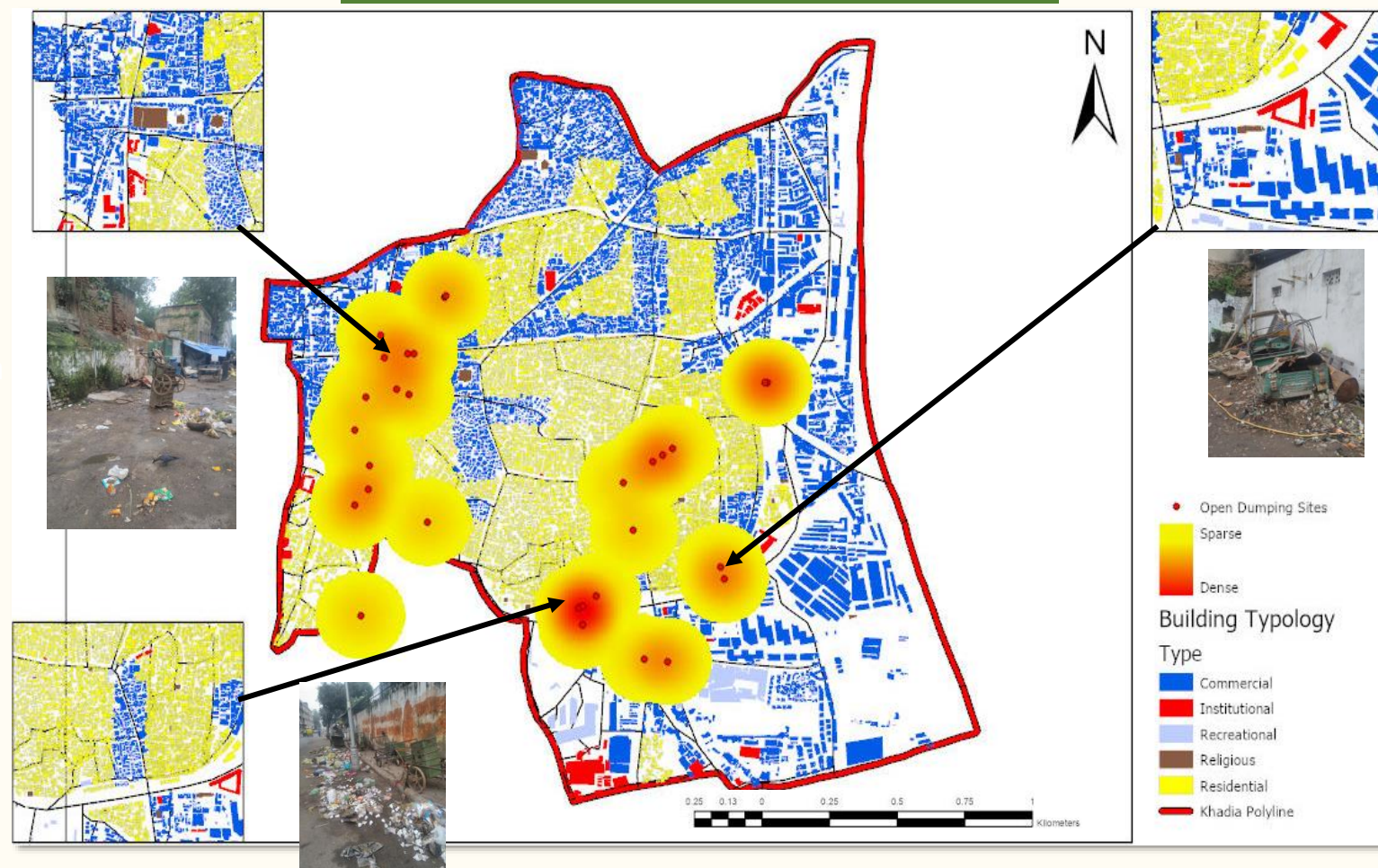


❖ Khadia is an area of central Ahmedabad, Gujarat, India.

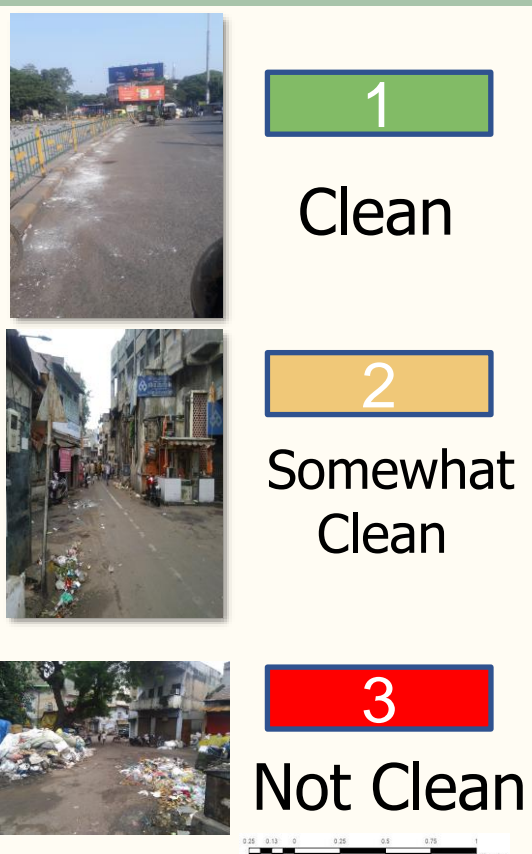
❖ Area: **2.2 km²**

❖ Population: **49408**

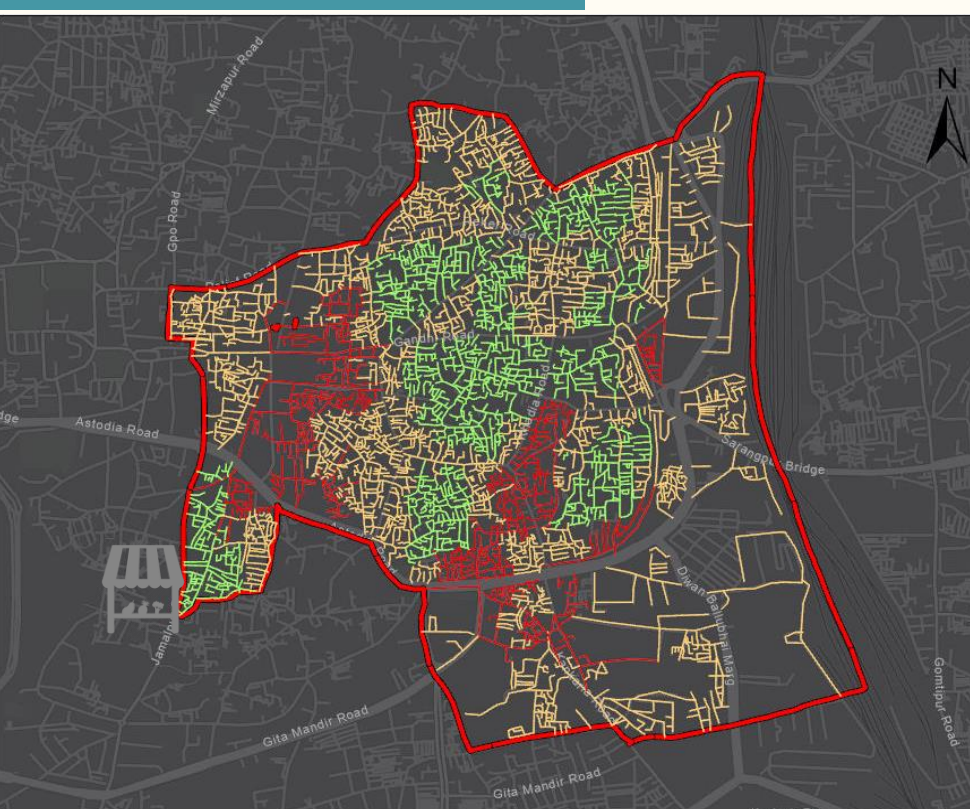
OPEN DUMPING SITES



Analysis



Clean Street Classification



Residential Area

Time	Mon	Tue	Wed	Thu	Sat	Sun
8:30	1	1	1	1	1	1
9:30	1	1	1	1	1	1
13:30	1	1	1	1	1	1
14:30	1	1	1	1	1	1
17:30	1	1	1	1	1	1
18:30	1	1	1	1	1	1
23:30	1	1	1	1	1	1

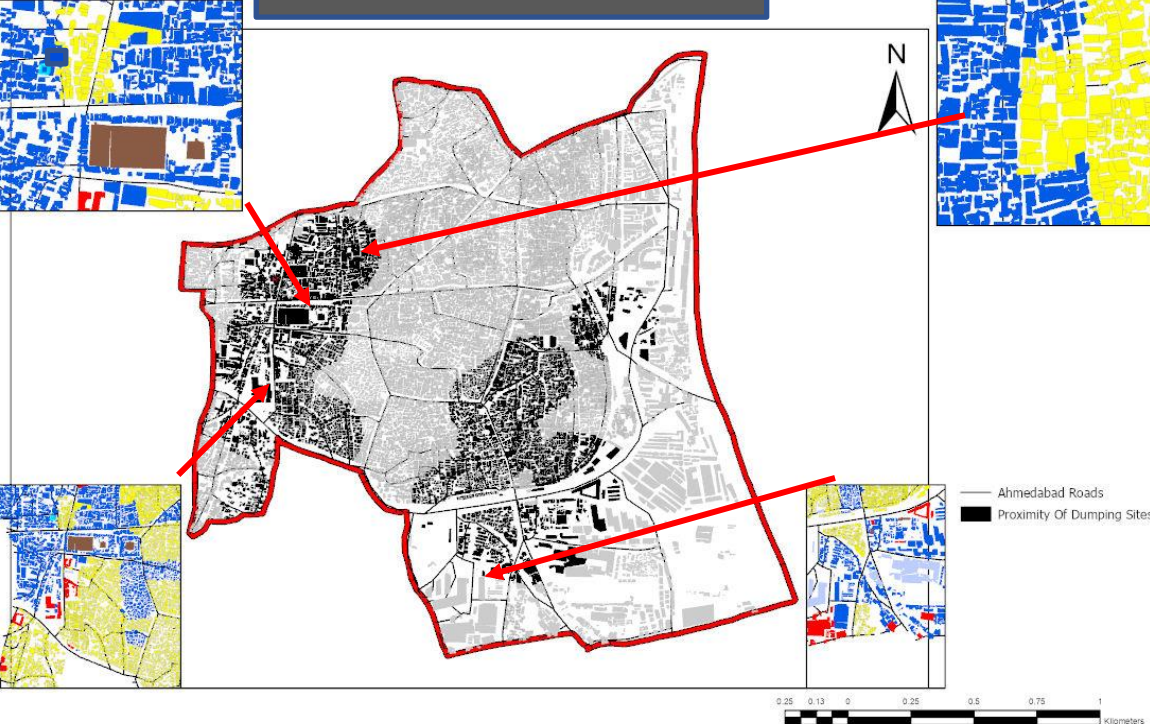


Residential Area Which Are Surrounded By The Commercial Area

Time	Mon	Tue	Wed	Thu	Sat	Sun
8:30	1	1	1	1	1	1
9:30	1	1	1	1	1	1
13:30	1	1	1	1	1	1
14:30	1	1	1	1	1	1
17:30	2	2	2	2	2	2
18:30	2	2	2	2	2	2
23:30	2	2	2	2	2	2

➤ Residential part of ward is surrounded by the commercial area, gets influenced by the commercial activities of market. Because of that, **after 14:30 the cleanliness rank of those parts of the area goes from 1 to 2.**

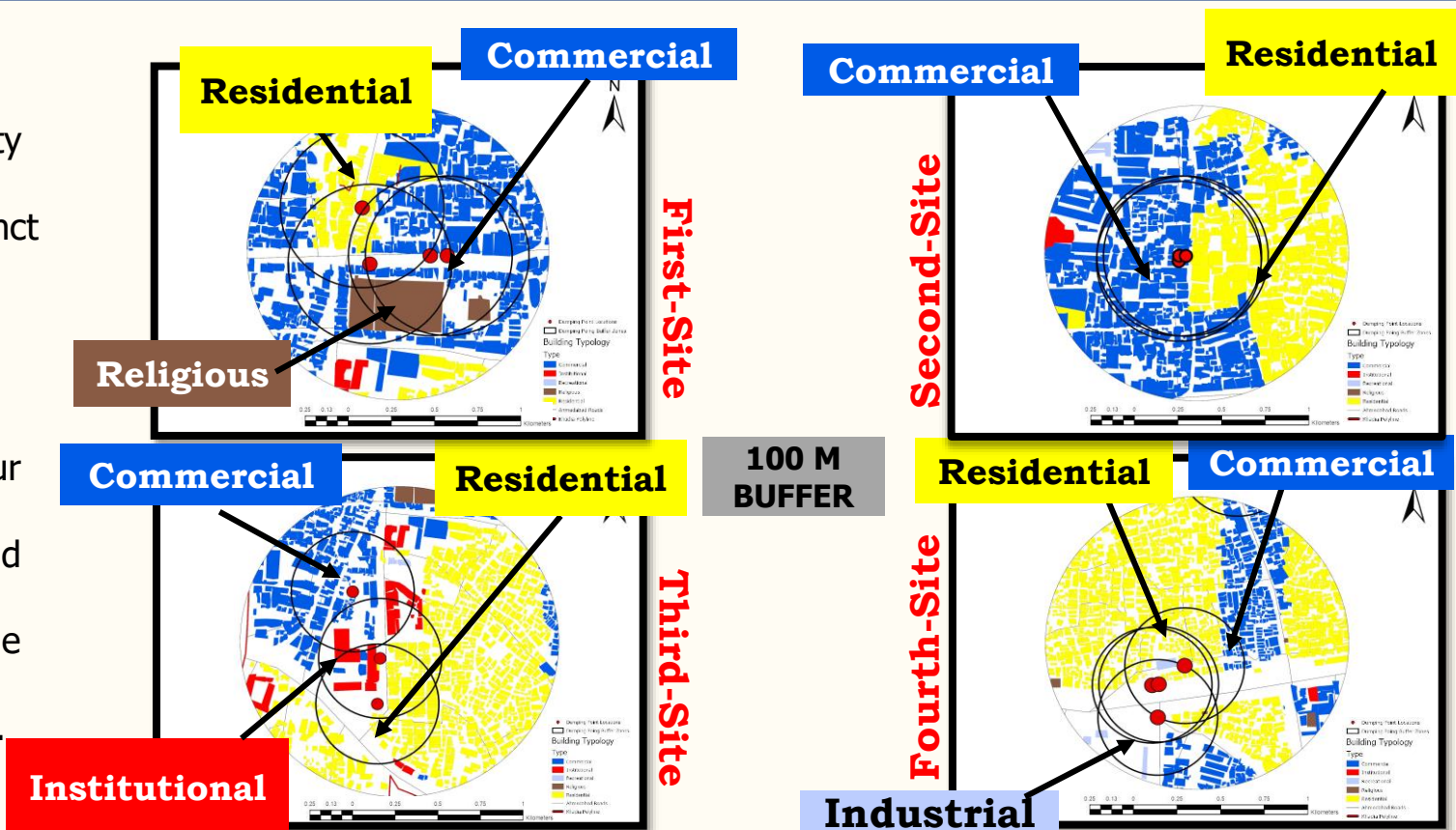
Proximity Of Dumping Sites



Four sites have been selected from proximity analysis, which have major distinct characteristics.

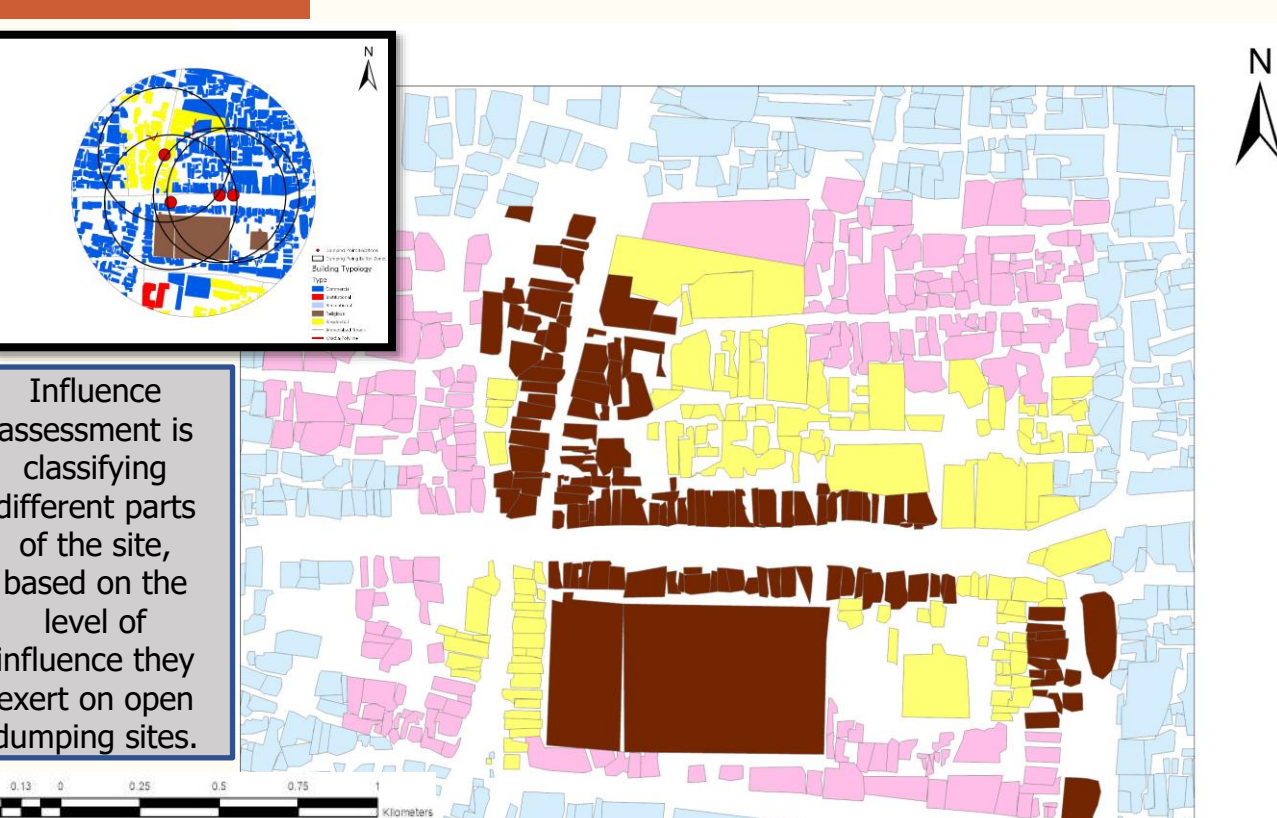


By analyzing these four open dumping sites, different patterns could be detected, which would help to solve the open dumping site issue of Khadia ward.



Results:

Influence Assessment:



Open Street Market

Time	Mon	Tue	Wed	Thu	Sat	Sun
8:30	3	3	3	3	3	3
9:30	1	1	1	1	1	1
13:30	2	2	2	2	2	2
14:30	2	2	2	2	2	2
17:30	3	3	3	3	3	3
18:30	3	3	3	3	3	3
23:30	3	3	3	3	3	3



Open Food/Vegetation Market

Time	Mon	Tue	Wed	Thu	Sat	Sun
8:30	3	3	3	3	3	3
9:30	3	3	3	3	3	3
13:30	2	2	2	2	2	2
14:30	2	2	2	2	2	2
17:30	2	2	2	2	2	2
18:30	2	2	2	2	2	2
23:30	3	3	3	3	3	3

Conclusion

Analyzing how clean street classification rank changes with the time, and, by comparing it with influence assessment of a site, we can determine which parts of the site need the most attention, and at what time. This analysis has been done only for the regular days. With the help of real-time monitoring and spatial analysis we can find out the different patterns behind the open solid waste dumping sites for the whole city like in which type of places people gather at what time, which are the main trends, on which aspects and locations government should focus to solve the open dumping site issue.