Answers to Questions:

Question 2.a) QN Analysis Kombat's commands to extract the osm file are:

> cd C:\Program Files\osm

osm2pgsql -c -d lesotho -K -H localhost -U postgres --slim -S default.style 1808-lesotho-latest.osm.pbf (fifiQn)

>cd C:\osm

osm2pgsql -c -d lesotho -K -H localhost -U postgres -S default.style 1808-lesotho-latest.osm.pbf (MontshyQn and Stanley Makhanya )

b) The download link we used is: download.geofabrik.de

c) The date of the download is : 18th August 2016

Question 4.a) there are [5374] mapped buildings for Urban Council (our study area)

|  |  |
| --- | --- |
| Building | Count |
| House | 3 |
| Church | 4 |
| Hangar | 1 |
| hospital | 4 |
| industrial | 4 |
| commercial | 9 |
| School | 3 |
| shed | 87 |
| farm houses | 4 |
| garage | 2 |
| residential | 5 |
| Yes | 4493 |
| construction | 71 |
| retail | 1 |
| hotel | 11 |
| Hut | 671 |
| garages | 1 |
| Total | 5374 |

b) The Length of all Urban Council mapped roads is: 188.8466 KM

|  |  |
| --- | --- |
| roads\_km | Highway |
| 22.5469253530541 | Primary |
| 35.8166614257247 | Unclassified |
| 2.96177709353495 | Secondary |
| 24.4303221357158 | Track |
| 2.72863988795633 | Footway |
| 1.62978384827992 | Service |
| 95.351766361882 | Path |
| 3.38068013720313 | Tertiary |
| 82.0085191523176 | Residential |
| 188.8466 | TOTAL |

c) The area in hectares and the count of each type of landuse is:

|  |  |  |
| --- | --- | --- |
| Area\_ha | Landuse | Count |
| 0.188017400001474 | Cemetery | 1 |
| 51.3395037999519 | commercial | 8 |
| 10351.5220627495 | Farmland | 89 |
| 7.38443475000811 | Landfill | 1 |
| 352.585857249941 | Military | 1 |
| 17.0787677999725 | Retail | 2 |
| 5814.04504980008 | residential | 25 |
| 34.6249139499669 | Quarry | 3 |
| 6.68926289997522 | Industrial | 1 |