



Spatial Feature Report

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engineered solutions

Disclaimer

This document contains data that was obtained from a live CP3 system at the moment the data was requested. The data is updated by users of the CP3 System and unless the system is locked for changes, this data may change on a daily basis. The reader is therefore cautioned not to place inappropriate reliance on the data unless there is certainty on the status of the data in terms of how recently it has been updated, how “clean” the data is (is there a quality control and/or verification process that was followed by the licensee of the CP3 system to ensure that data is checked and verified from time-to-time) and whether the correct baseline was queried. This report therefore provides a “snapshot in time”. Consequently, the document may be less relevant at a different time, or using a different financial baseline to query from.

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Spatial Query Report: \_Wards 2020\_

This document was created *2022-04-09-16\_35* from the **City of Johannesburg Metropolitan Municipality** CP3 system by the following user: *'Bernard'.*

The baseline **'2022/2023\_MTREF Planning Capture Baseline\_20210823'** with description: **' 2021/2022\_MTREF Rollover + Planning Baseline\_20210307 duplicate + 2022/22 budget planning'** was used. The spatial feature that was selected for the purpose of this report was: **'\_Wards 2020\_'**.

This is a spatial feature report for the *City of Johannesburg Metropolitan Municipality.* The data contained in this report was sourced directly from the municipality's live CP3 system. The information in this report therefore reflects the data as it was on the *2022-04-09* when this report was requested. Any subsequent updates to the data contained the CP3 System related to the applicable baseline from which this reports was drawn, would therefore not reflect in this report.   
  
For the *City of Johannesburg Metropolitan Municipality, the following spatial features are available for the purpose of developing* 'Spatial Query Reports' (similar to this report):

* \_Deprivation Areas\_
* \_Informal Settlements\_
* \_Inner City Node\_
* \_Pro Poor\_
* \_Regions\_
* \_Strategically Targeted Areas\_
* \_Urban Development Zones\_
* \_Wards 2020\_



We hope you find this useful! Sincerely, *The Novus3 Team.*

# Introduction

The baseline that was queried for this report contains *3095* projects of which a total of *40 (1.29%)* projects do not have any recorded intersection (overlap) with \_Wards 2020\_.The following spatial features are available for queries using this API profile:

* \_Deprivation Areas\_
* \_Informal Settlements\_
* \_Inner City Node\_
* \_Pro Poor\_
* \_Regions\_
* \_Strategically Targeted Areas\_
* \_Urban Development Zones\_
* \_Wards 2020\_

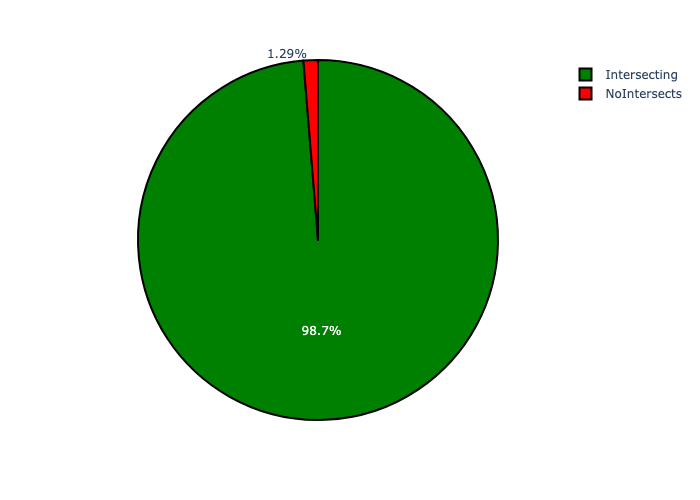
The probable reasons for the 40 non intersecting projects reported are that:

* these projects simply do not have a location associated with them yet (most frequently the case with 'no-intersect' projects) or;
* the location that was captured for some of these projects, may have been in the wrong place (e.g. outside the boundaries of Joburg - this is very rarely the reason).

It is important to take note of the 1.29% projects that do not intersect with \_Wards 2020\_ feature when appraising this report.

The 1.29% of non-intersecting projects is a relative low percentage and therefore not much cause of concern for this particular report.

Figure 1: Intersecting vs Non-Intersecting Projects



# \_Wards 2020\_ Analysis

Table 1: \_Wards 2020\_ Analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Description | \_Wards 2020\_ | Description | \_Wards 2020\_ |
| The total number of projects in all \_Wards 2020\_: | 3055 projects | The total capital demand in all \_Wards 2020\_: | R6,742,492,823 |
| The highest number of projects: | 124 Number of projects: 118 Percentage of total: 3.86% | The highest capital demand: | 91 Capital Demand: R799,814,376 Percentage of total: 11.86% |
| The lowest number of projects: | 50 Number of projects: 2 Percentage of total: 0.07% | The lowest capital demand: | 50 Capital Demand: R0 Percentage of total: 0.00% |
| The 5 \_Wards 2020\_ that collectively have with the highest number of projects: | 84, 117, 57, 60 and 124 Number of projects: 456 Percentage of total: 14.93% | The 5 \_Wards 2020\_ that collectively have collective the highest capital demand: | 22, 124, 60, 96 and 91 Capital Demand: R1,843,132,366 Percentage of total: 27.34% |
| The average number of projects per \_Wards 2020\_: | 22.6 projects | The average capital demand per \_Wards 2020\_: | R49,944,391 |
| The 75th percentile of projects per \_Wards 2020\_: | 28.5 projects | The 75th percentile of capital demand per \_Wards 2020\_: | R69,411,249 |

Figure 2.1: The single highest \_Wards 2020\_ (Nr of Projects & Capital Demand) vs the rest

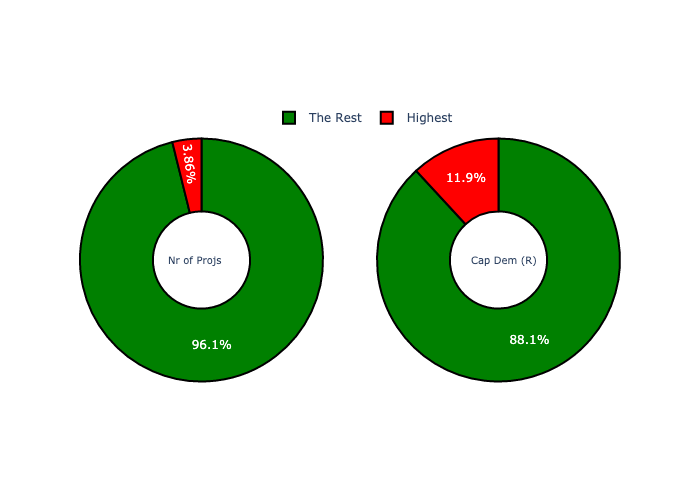


Figure 2.2: The 5 \_Wards 2020\_ with the highest values (Nr of Projects & Capital Demand) vs the rest

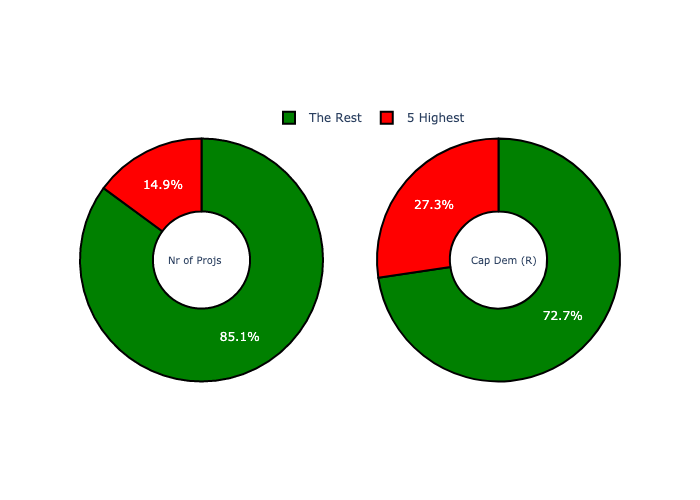


Figure 3.1: Projects and Capital Demand per \_Wards 2020\_ (1/4)

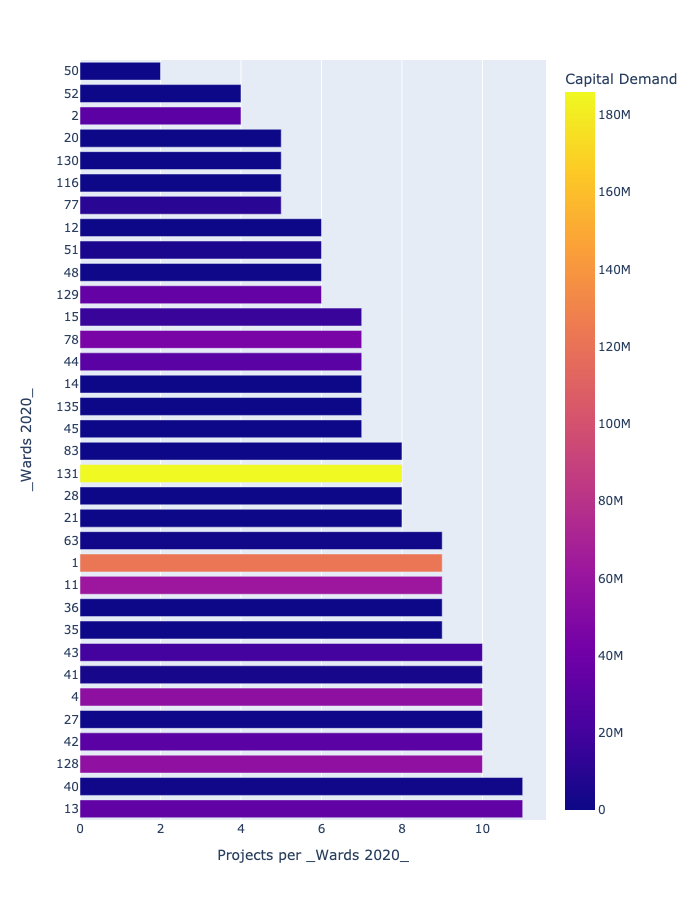


Figure 3.2: Projects and Capital Demand per \_Wards 2020\_ (2/4)

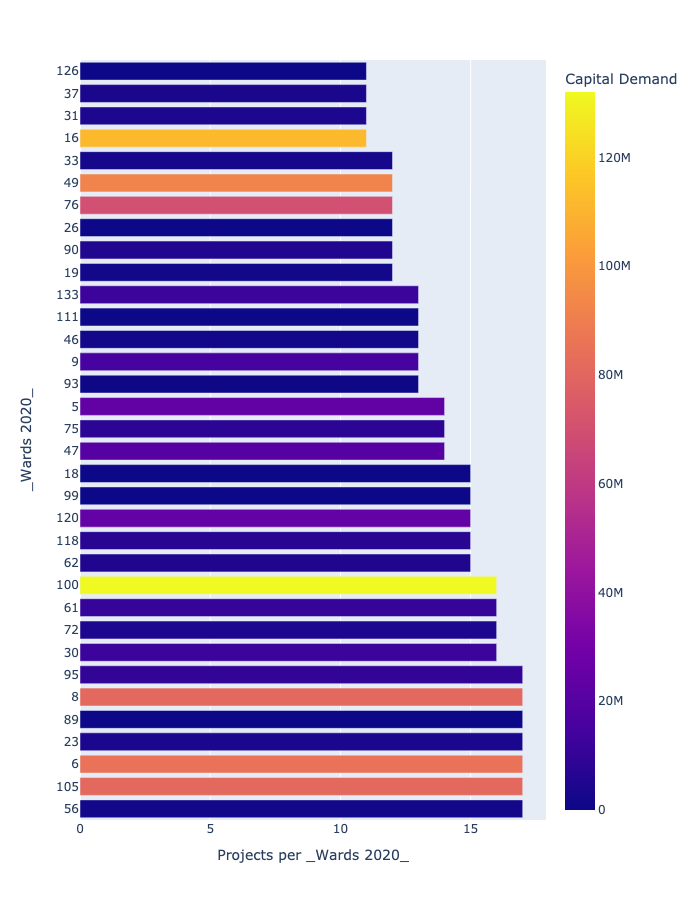


Figure 3.3: Projects and Capital Demand per \_Wards 2020\_ (3/4)

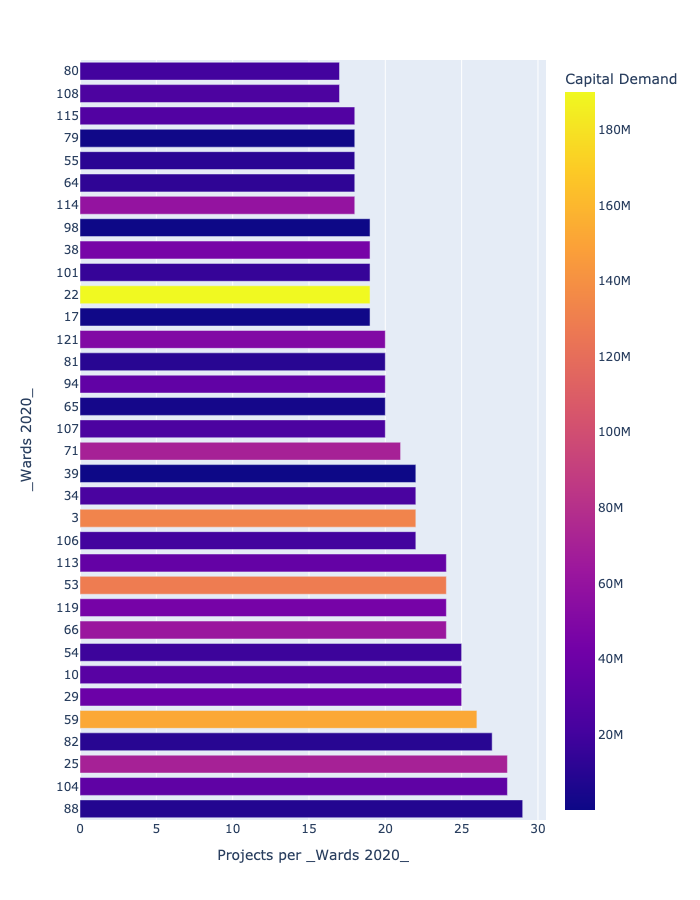


Figure 3.4: Projects and Capital Demand per \_Wards 2020\_ (4/4)

