

IT TAKES

TO GET TO NO ONE.



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# ROAD SAFETY PARTNERSHIP

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# Emerging Technology

We live in a time where information is abundant; success relies on using it effectively.



- **Meaningful Data:** Technology transforms data into something useful, aiding evidence based decision-making.
- **Police Innovation:** Police are leaders in adopting new technologies.
- **Real-time Support:** Police now access real-time info on their phones for safer, more informed work.
- **Smart Apps Limitation:** While helpful, current apps don't fully support larger decision-making goals.
- **Public Scrutiny:** Increased public attention requires evidence-based decisions, efficient tech use, and transparency.

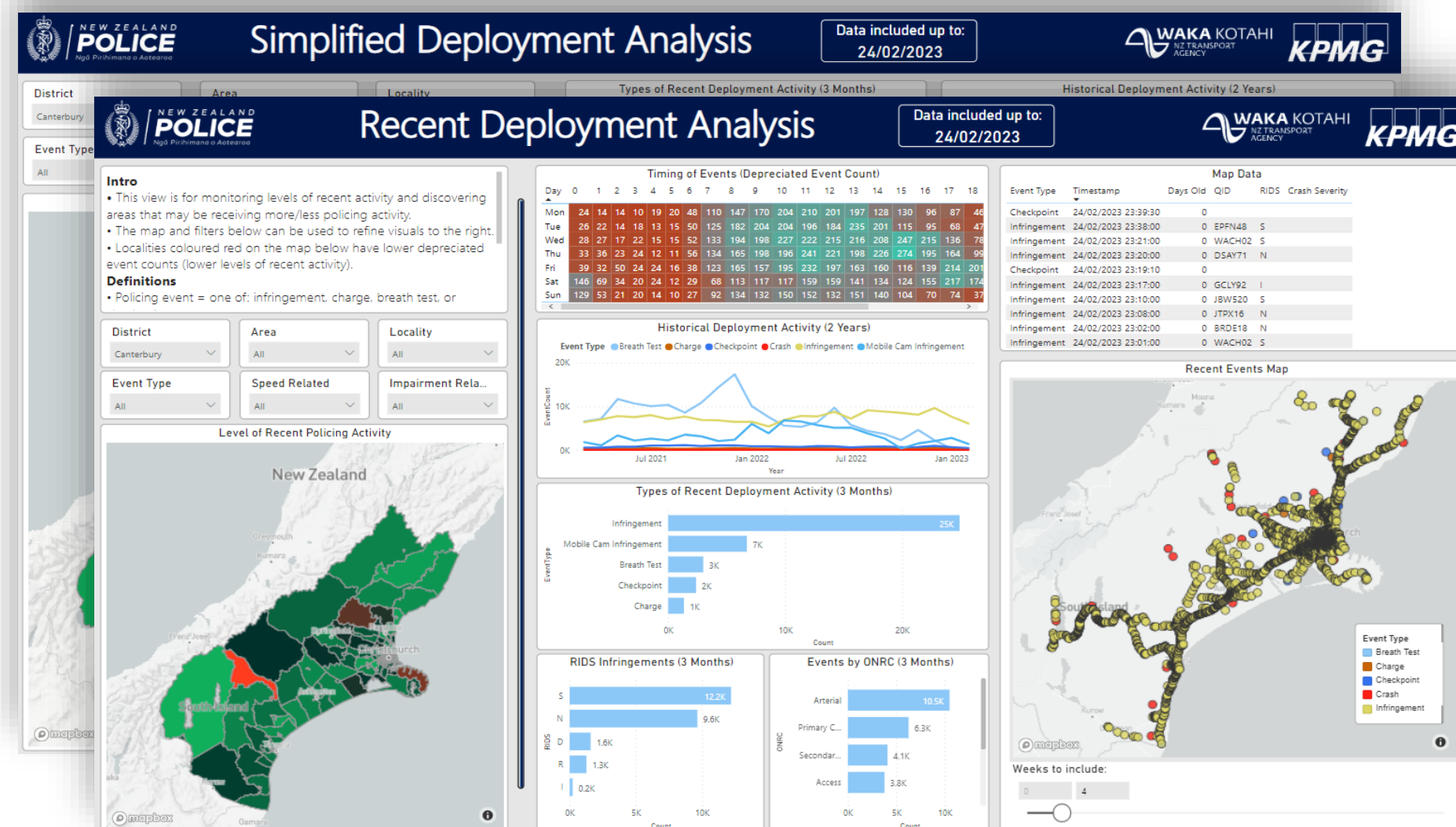


“So, how does emerging technology support Safe Roads and Road to Zero?”



## National Road Safety Dashboard (NRSD)

The National Road Safety Dashboard was first developed in 2018 and utilises the ArcGIS platform. This dashboard uses maps to analyse data and display it in conjunction with other map-based information.



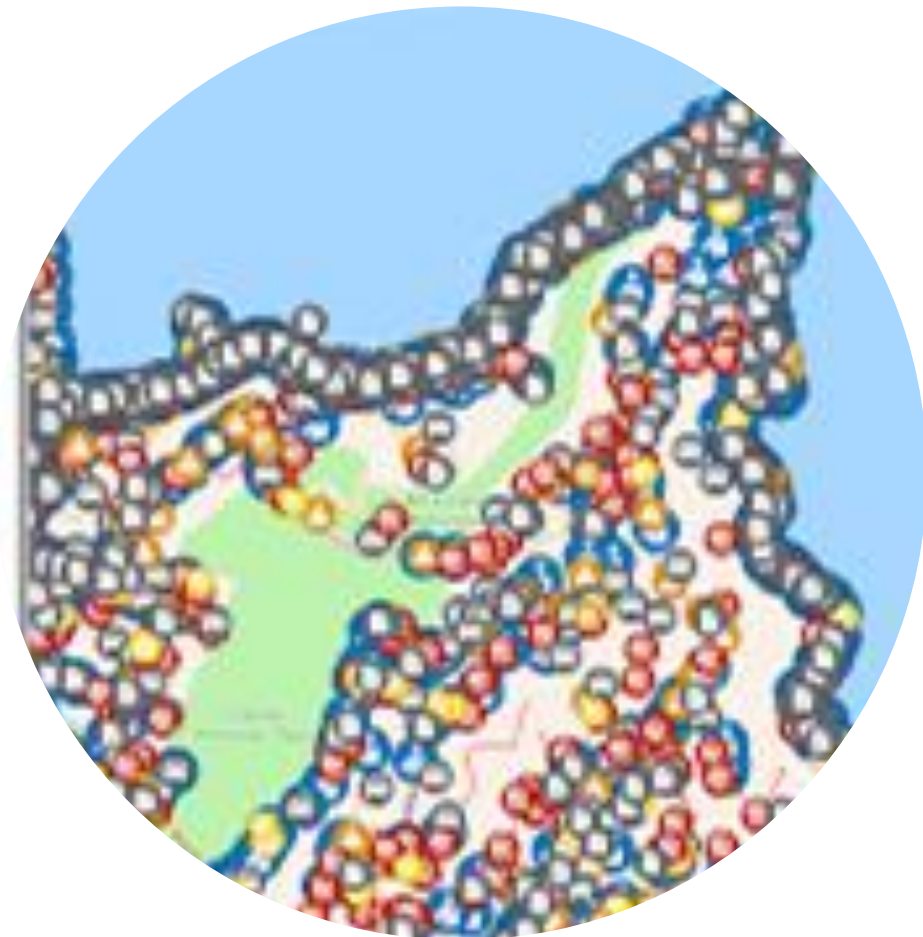
## Road Policing Deployment Dashboards (RPDD)

This dashboard enables Police decision makers to plan the deployment of road policing resources, ensuring finite resources are deployed to the right places, at the right time, and across the full network.

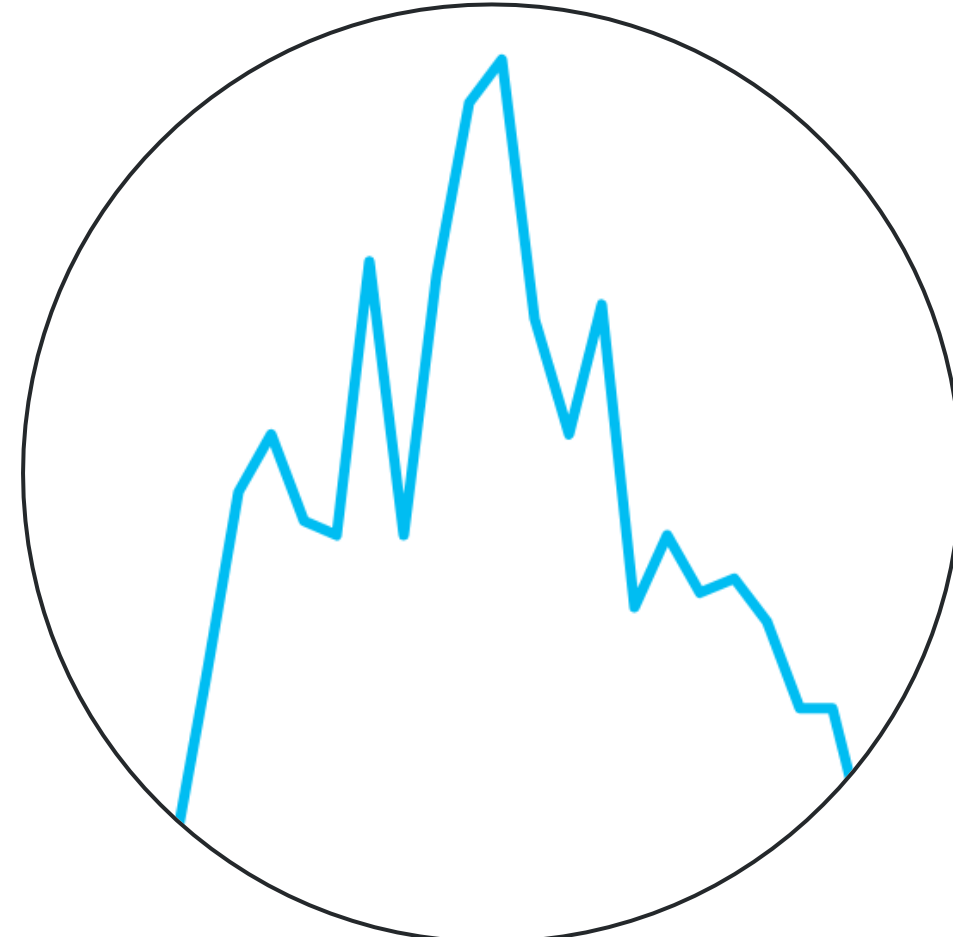


# Features

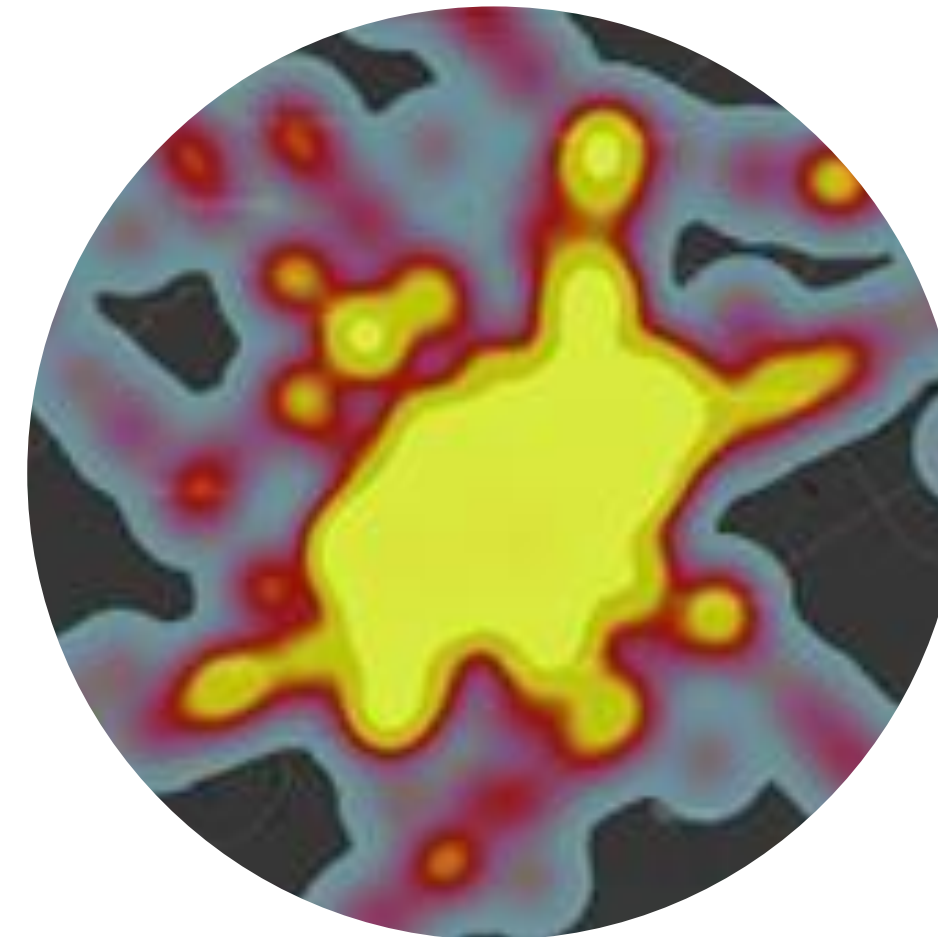
It brings together several datasets related to road policing activity including crashes, demand, prevention activity, and infringements and displays them spatially on a map.



Filter Map



Demand Dashboard



Comparison Maps

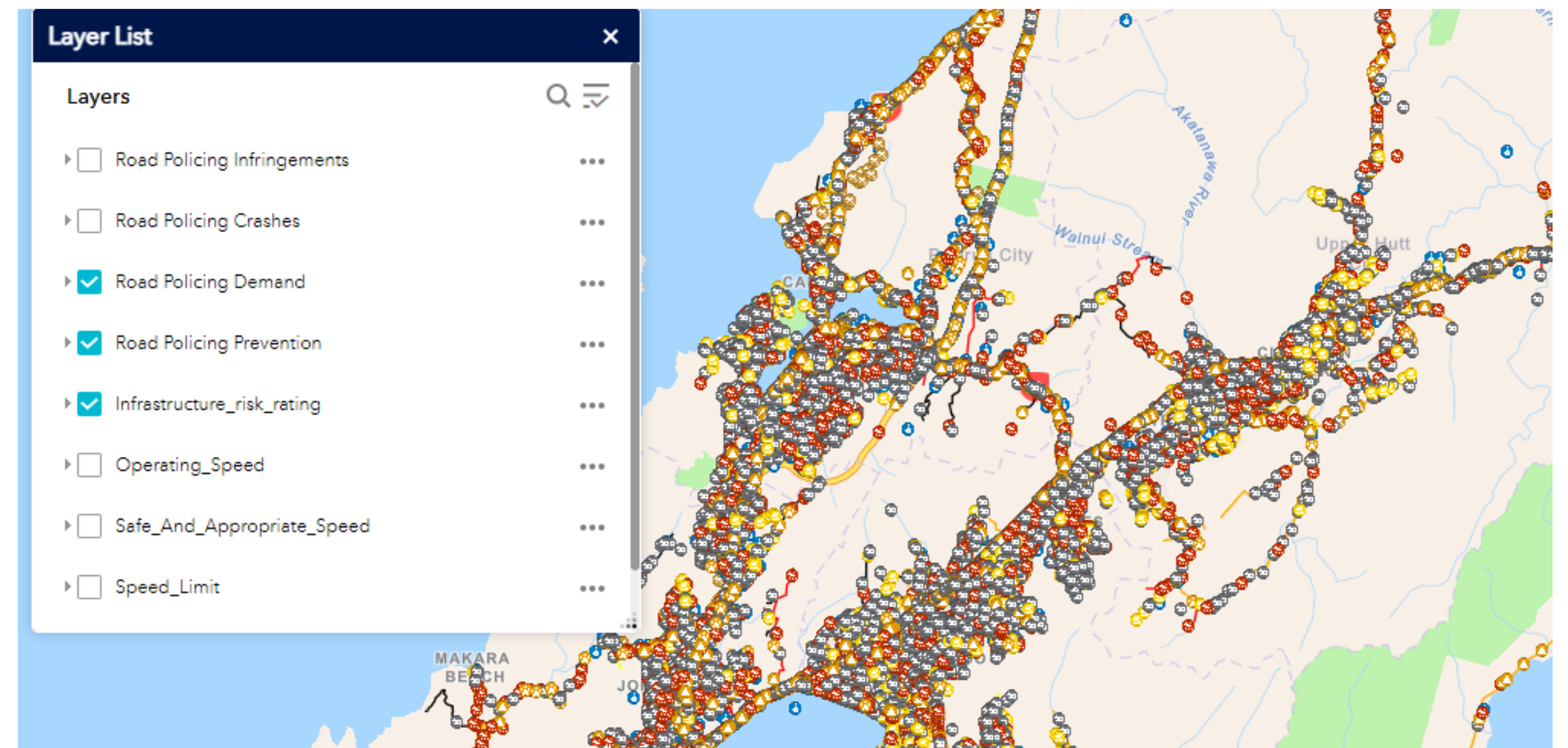
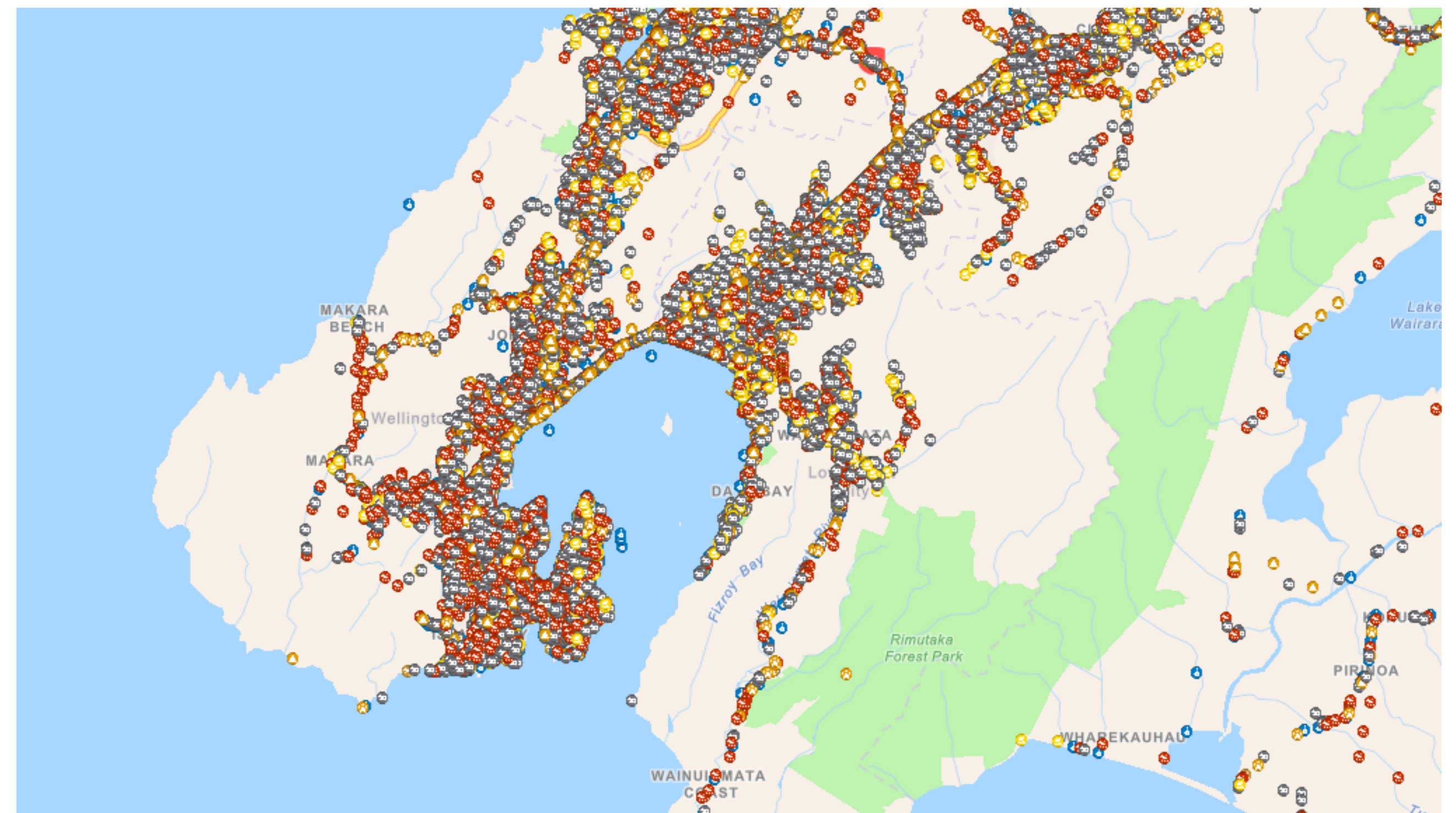


MegaMaps

# Filtering Map

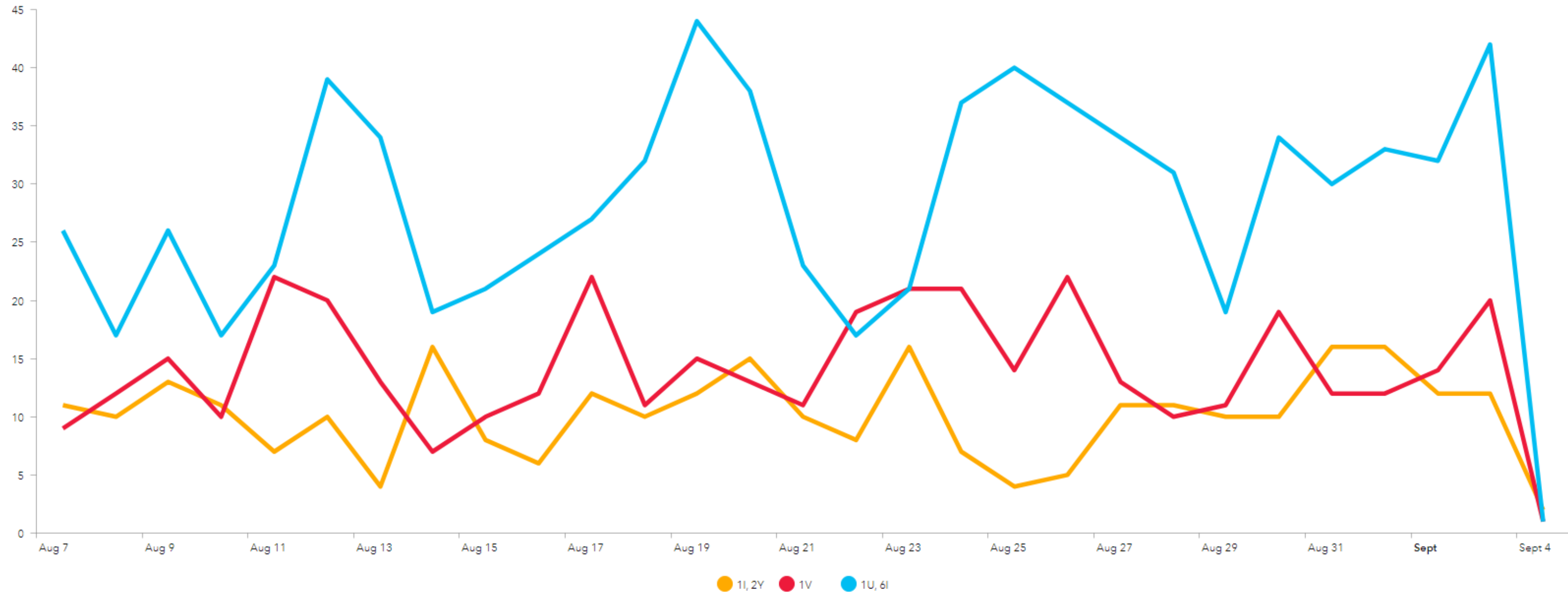
Designed to allow analysts to interrogate the data and to get more information, based on variable in the data.

Selected layers allow for a variety of comparisons in the map view.

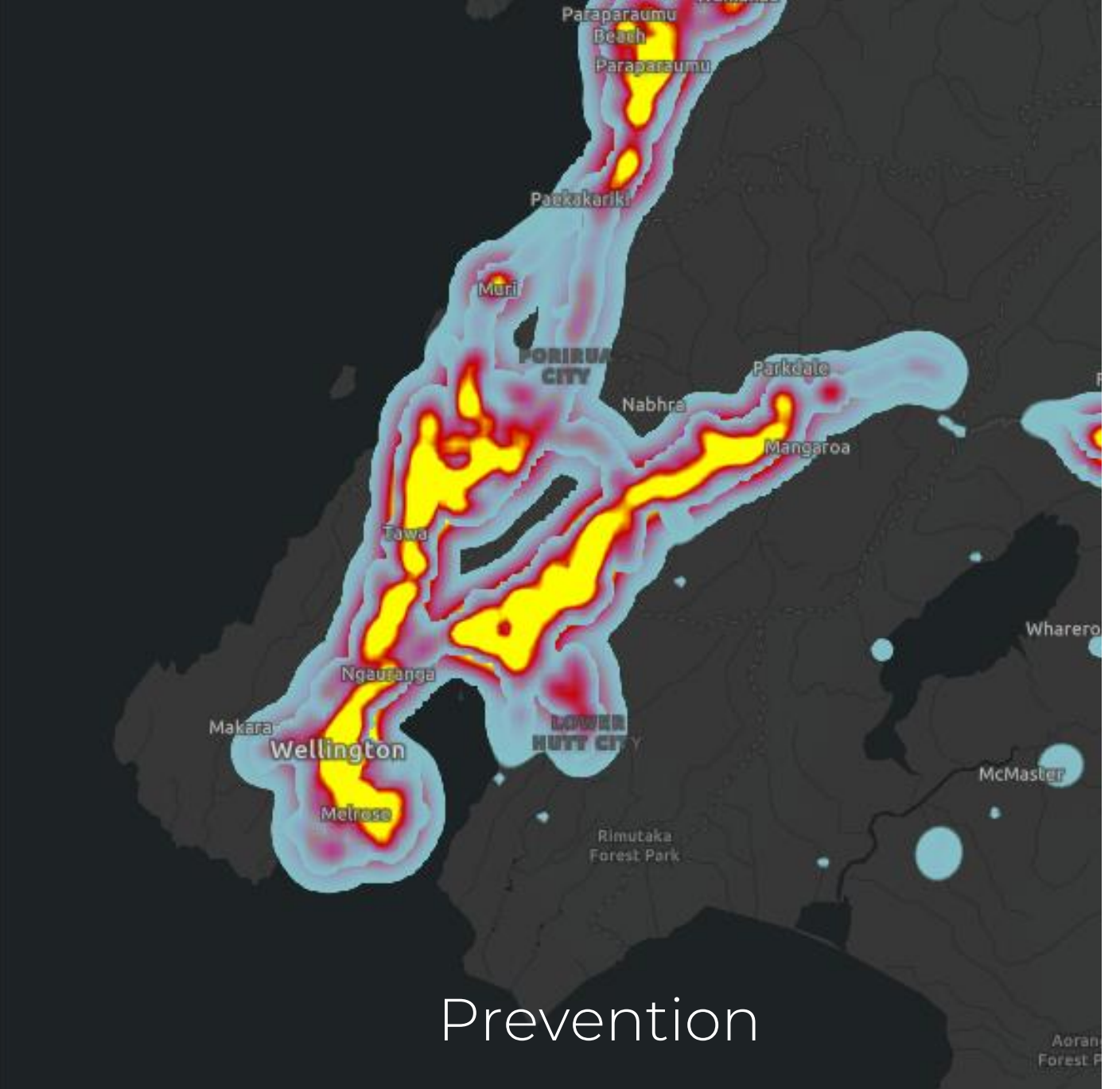
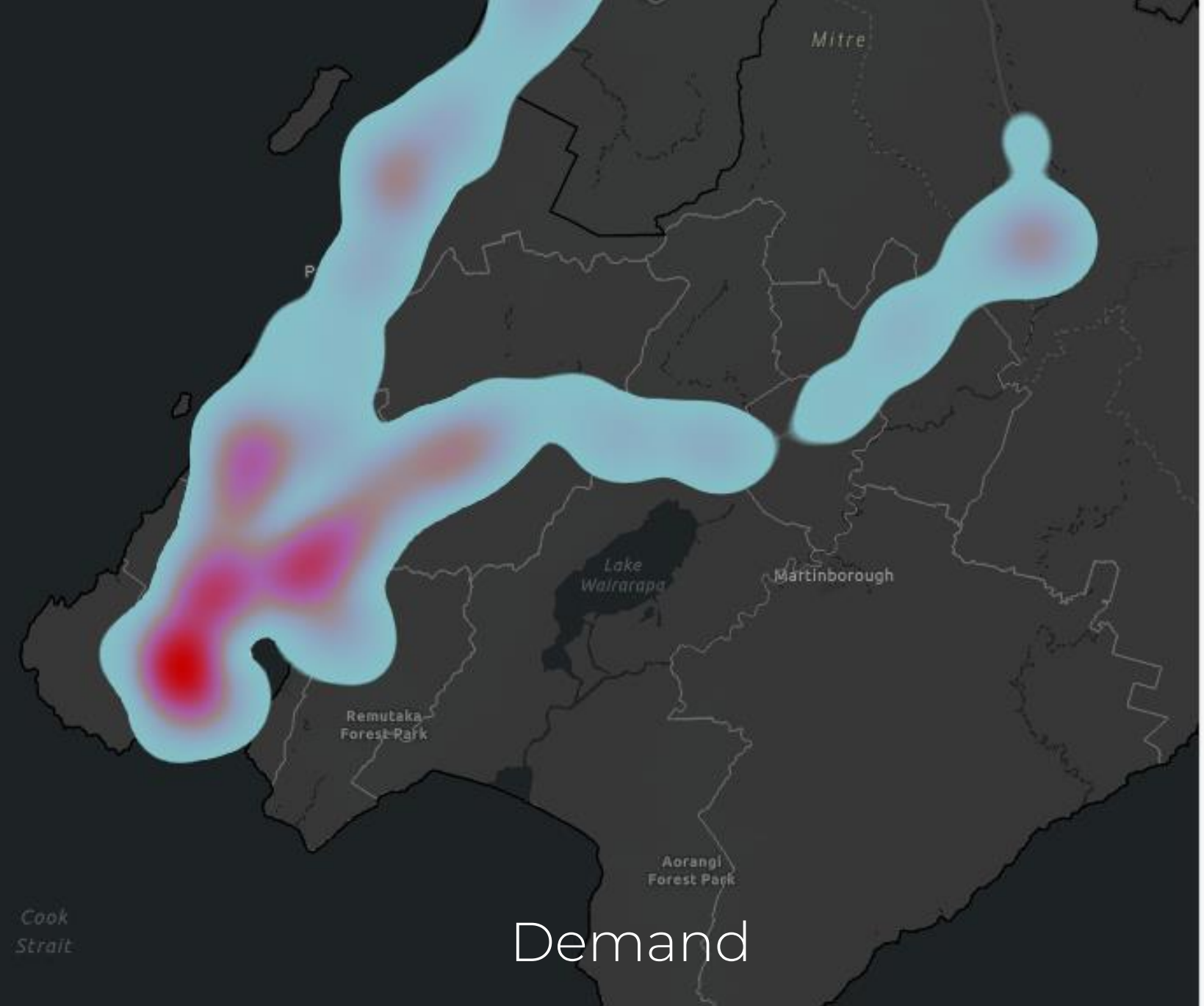




# Demand Dashboard



# Comparison Maps

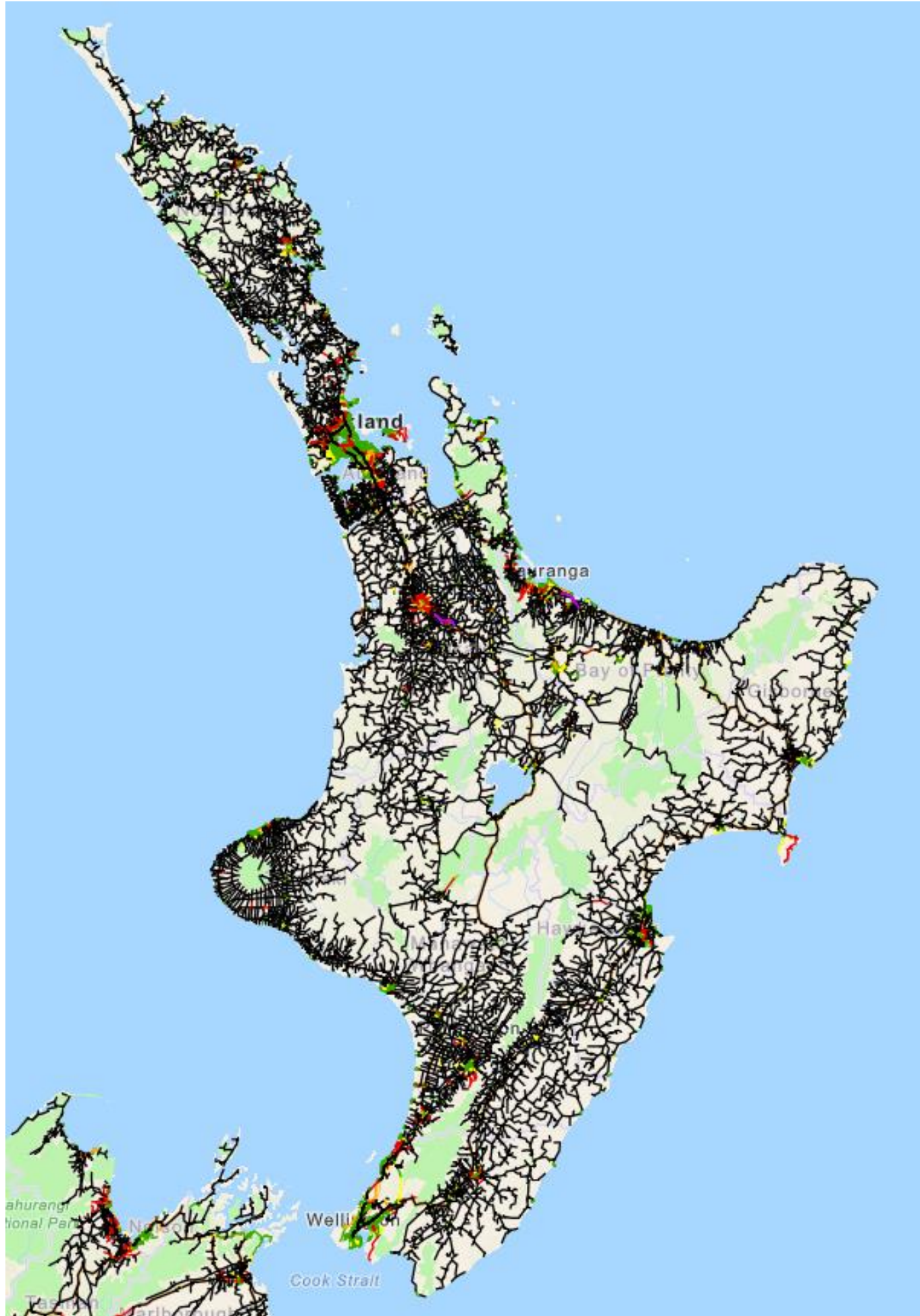


**NATIONAL ROAD  
POLICING CENTRE**

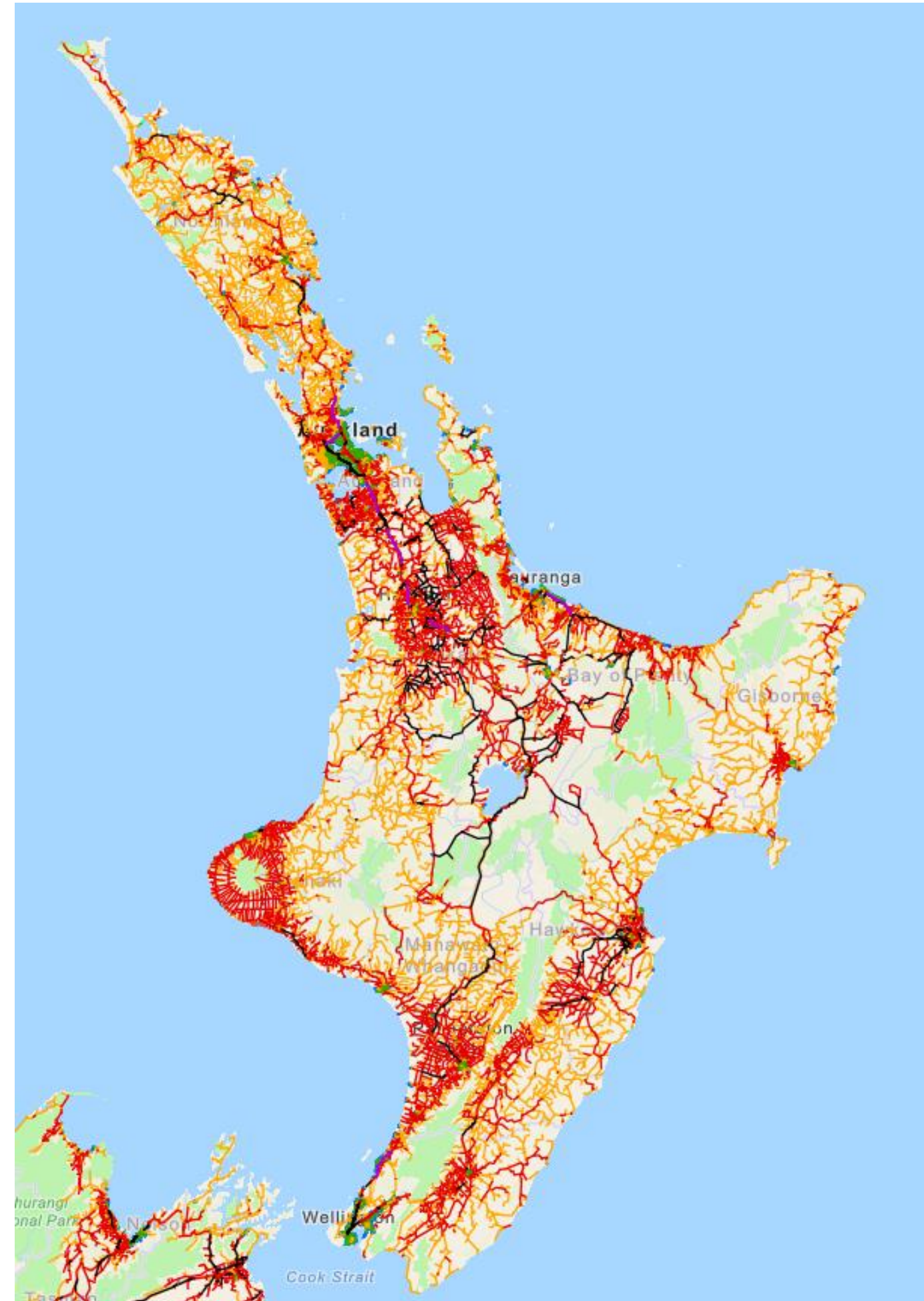


# MegaMaps

Speed Limit



Safe and Appropriate Speed



Comparison



VS

VS

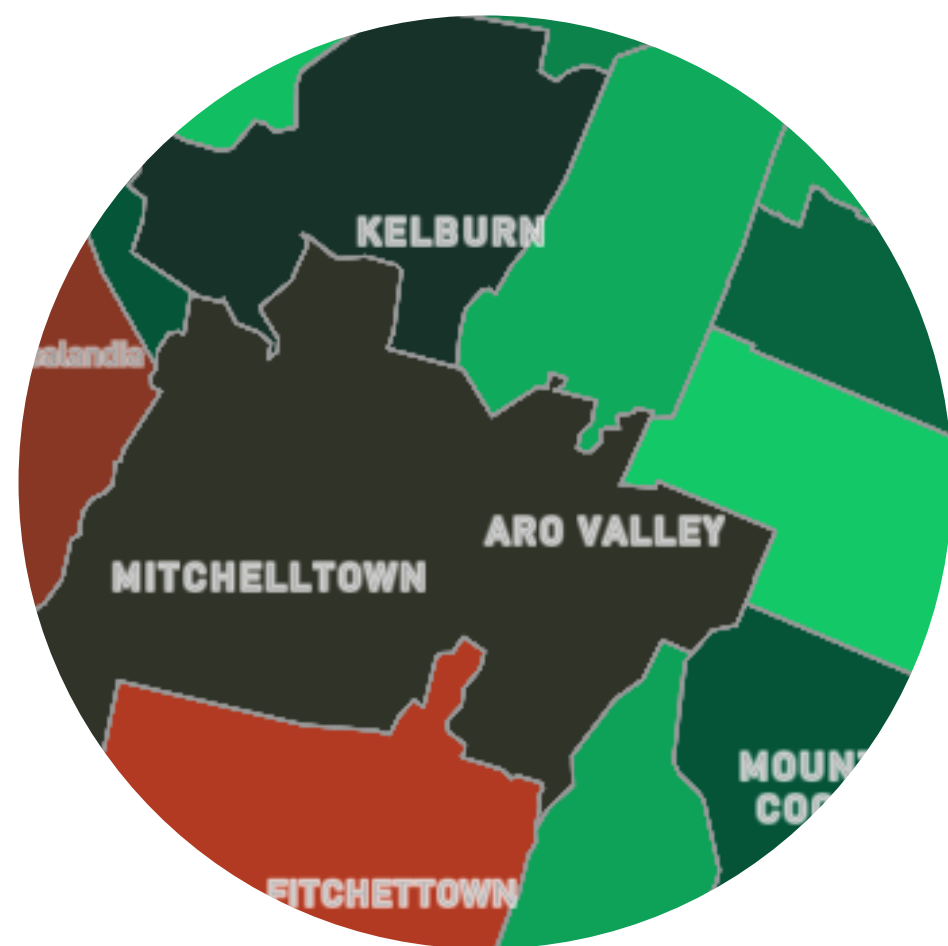


# Road Policing Deployment Dashboards

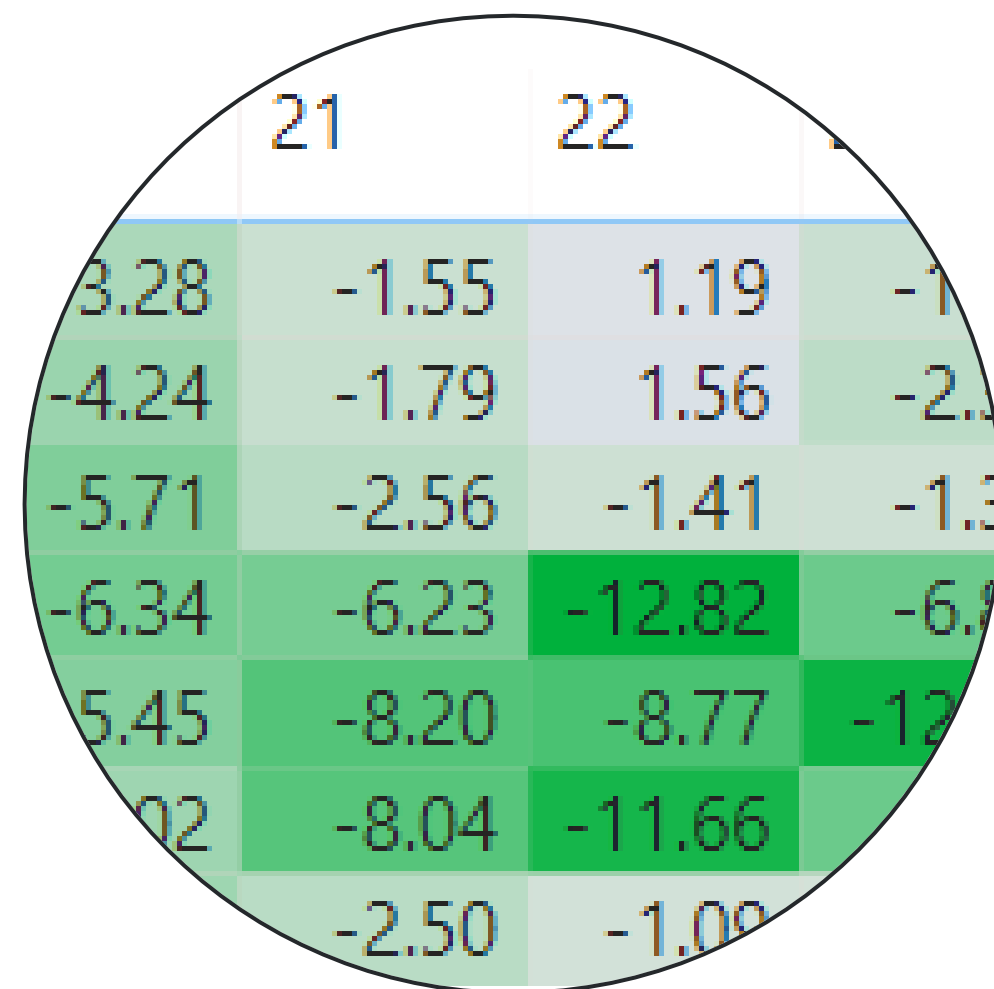


# Features

It brings together several datasets related to road policing activity including crashes, demand, prevention activity and infringements and displays them spatially on a map.



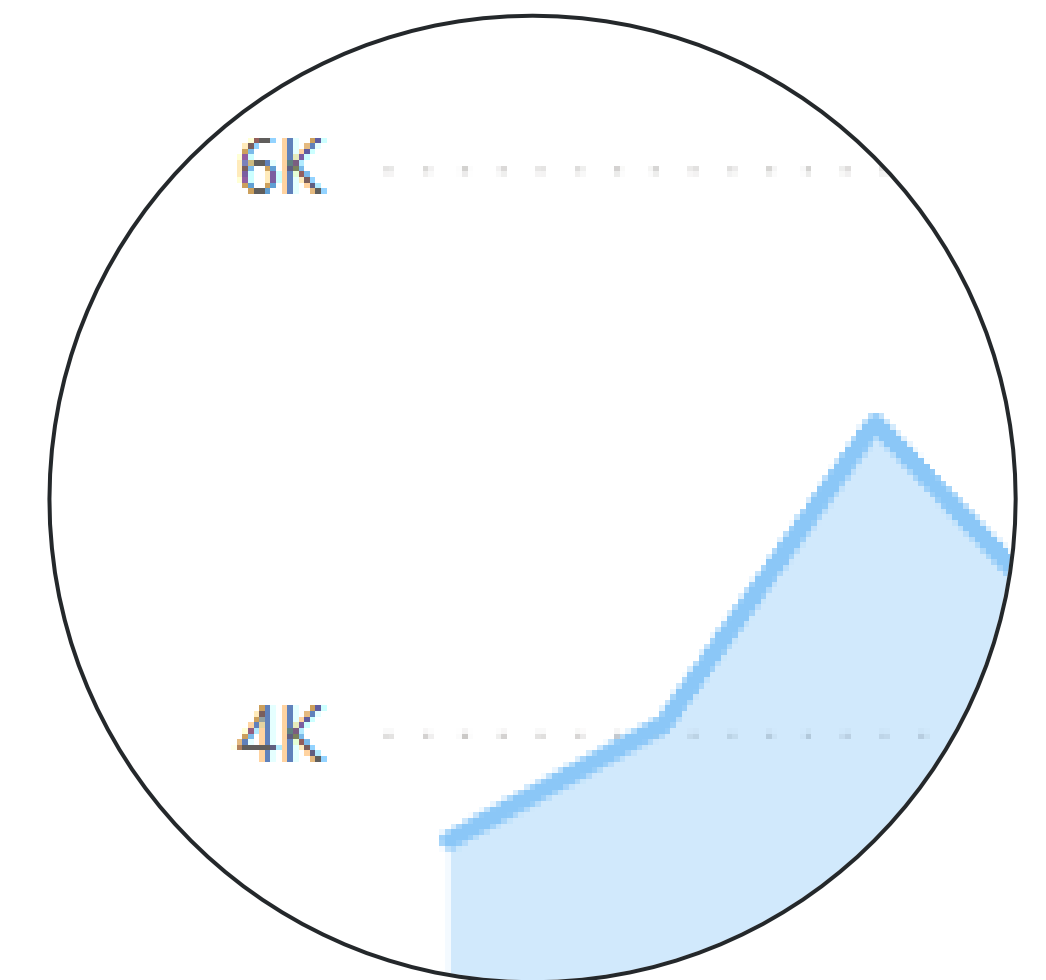
Recent Police Activity



Deployment Types



Deployment Recommendations



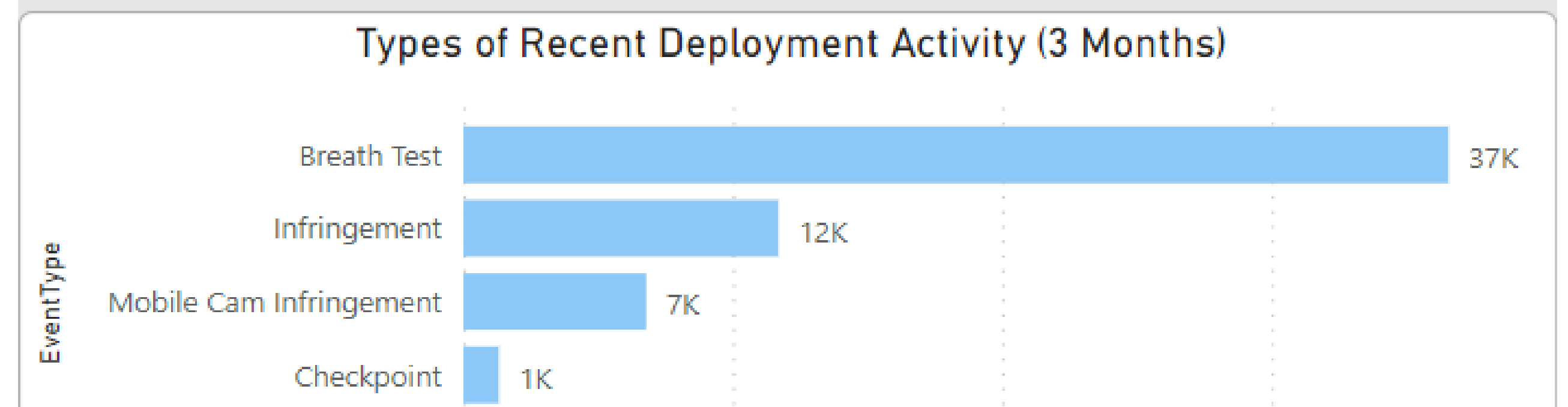
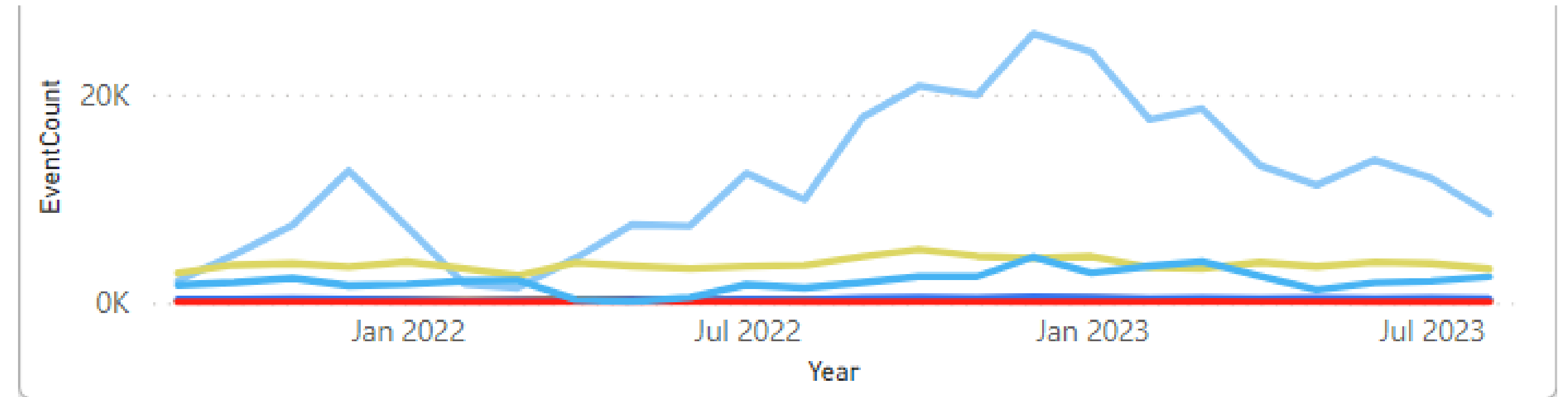
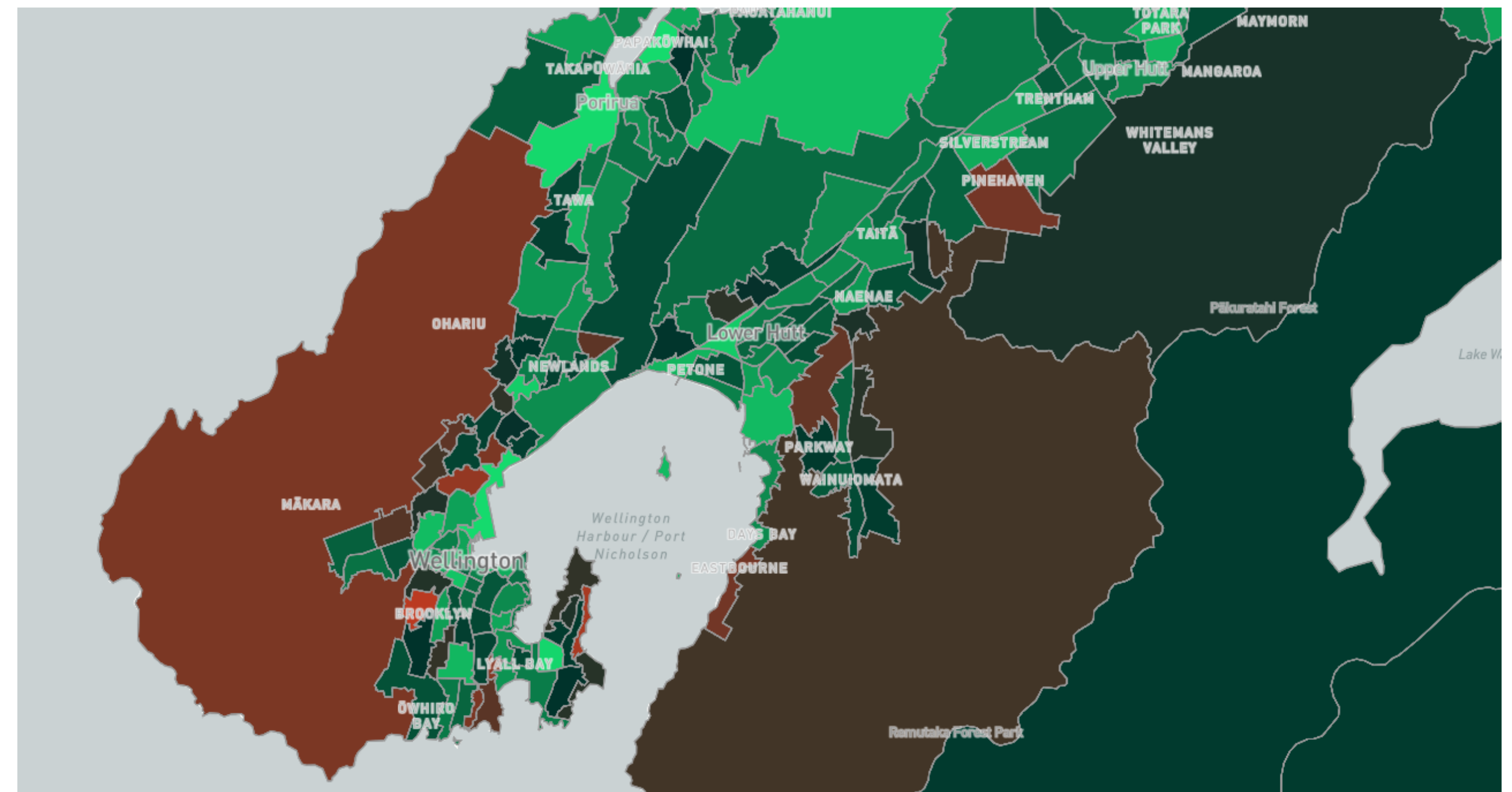
Desired Activity Levels

# Recent Police Activity

This view is for monitoring levels of recent activity and discovering areas that may be receiving more / less policing activity.

## Example:

Comparing four different types of Police activity across Wellington District between January 2022 – July 2023.

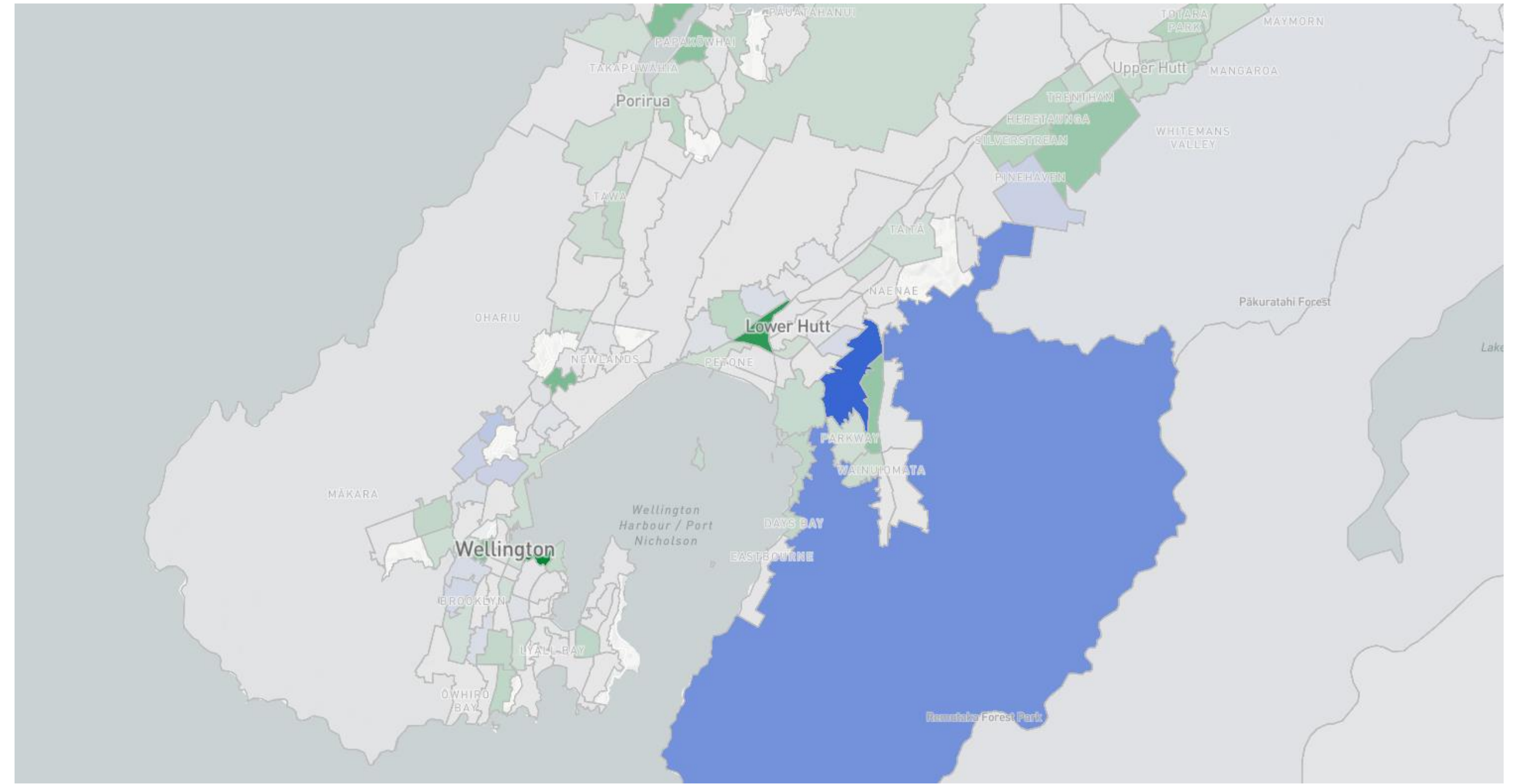


# Deployment Types

The deployment analysis may displays a proportionality score for data in Table 1 vs Table 2.

Example:

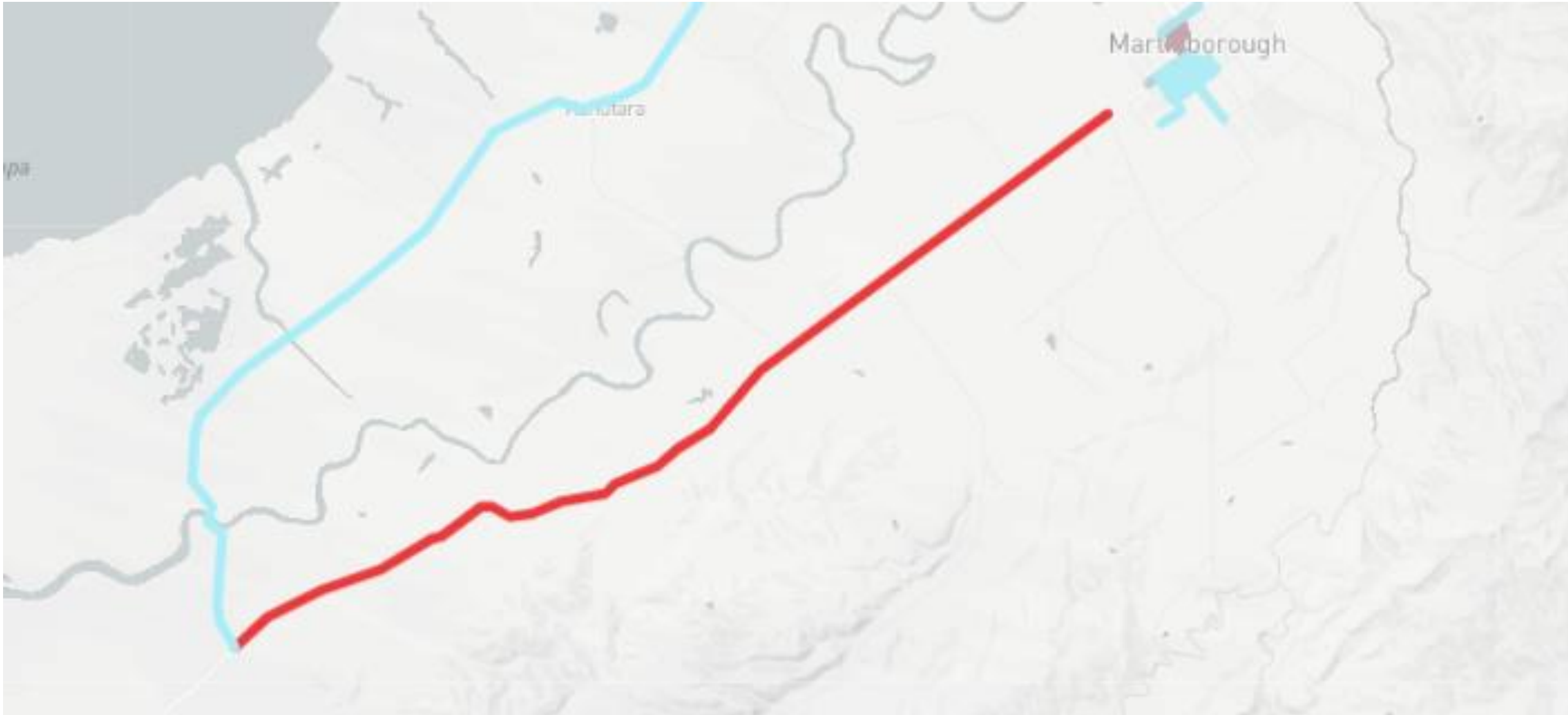
Impairment-related crashes vs. breath tests across the Wellington District.



| Proportionality Score: Table 1 vs Table 2 (Broken Down by Hour) |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|   | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    |
| 03  |       | 13.07 | 5.14  | 3.45  | 5.35  | 6.73  | 1.32  | 3.70  | 6.39  | 2.41  | 1.58  | 2.36  | 2.11  |
| 52  | 25.04 | 8.35  | 8.61  | 12.93 | 3.98  | 1.32  | 1.84  | 4.87  | 1.80  | 8.55  | 8.78  | 1.72  | 1.51  |
|   | 13.66 | 11.41 | 7.29  | 5.14  | 2.58  | -1.16 | -1.30 | 2.84  | 1.59  | 3.07  | 1.47  | -1.26 | 1.28  |
| 56  | 33.39 | 10.13 | 4.28  | 8.57  | 1.36  | 1.27  | 1.39  | 2.59  | 2.15  | 1.93  | 5.88  | 5.34  | -1.30 |
| 39  | 9.11  | 11.13 | 5.80  | 2.91  | 1.41  | -1.03 | 1.85  | 6.12  | 11.93 | 4.31  | 4.58  | 1.87  | 1.36  |
| 03  | 28.90 | 10.73 | -3.97 | -5.26 | 1.54  | 5.39  | 9.05  | 4.38  | 9.21  | 2.81  | 18.65 | 2.70  | 1.63  |
| 47  | 35.78 | 57.24 | -1.19 | -3.77 | -1.68 | 4.71  | 4.29  | 14.43 | 14.23 | 22.06 | 5.80  | 1.63  | -1.16 |

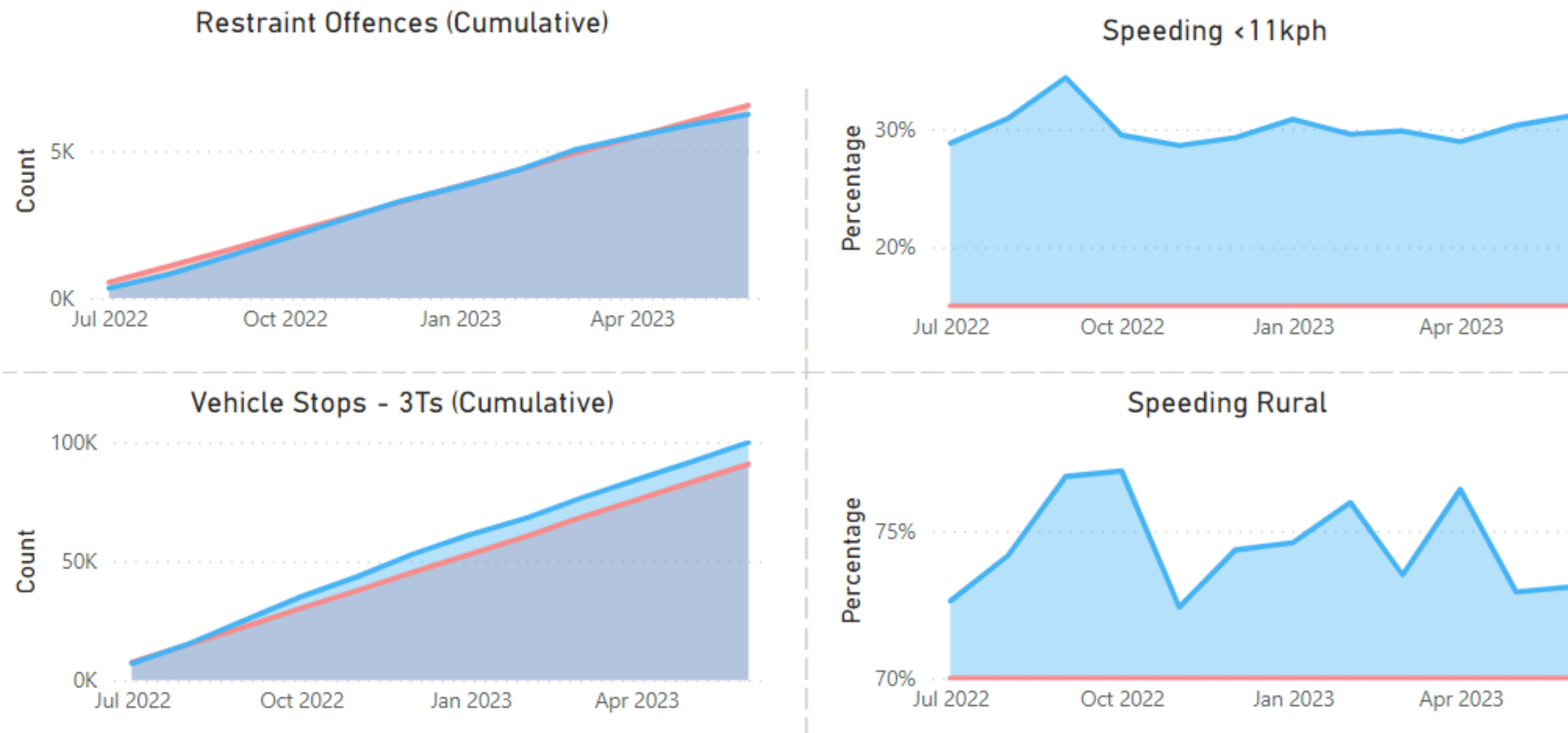
# Deployment Recommendations

Corridors with lower than expected levels of recent Police activity are highlighted in red in the Deployment Recommendations Map.



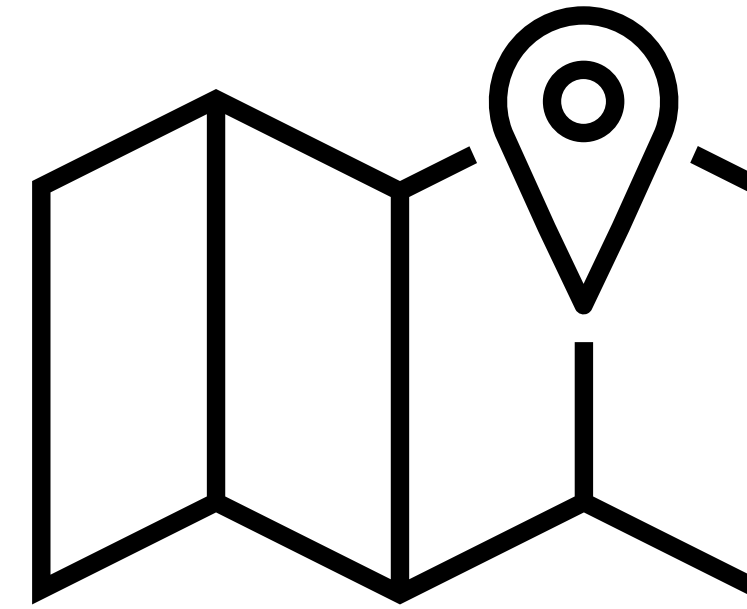
# Desired Activity Levels

Police activity levels that have been agreed to as part of the Road Safety Partnership.

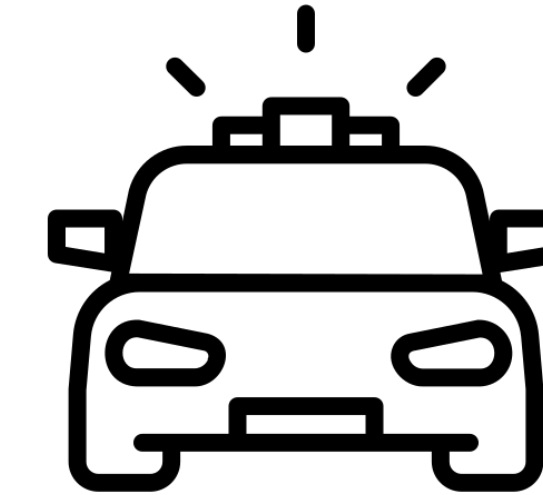


# Connectivity

By clearly displaying defined areas and the corresponding amount of Police activity that has occurred in that area, users can see all locations that have had low levels of recent police activity, and easily analyse the type of activity occurring.



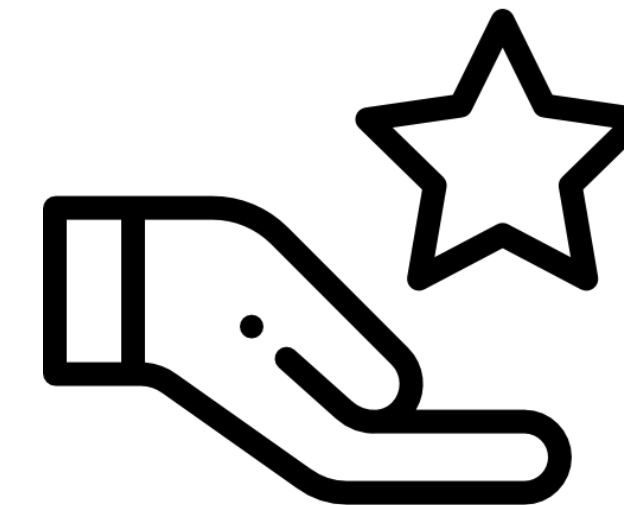
**Recent Police Activity**



**Deployment Types**



**Desired Activity Levels**



**Deployment Recommendations**



A close-up photograph of a glowing blue neon sign. The sign is cylindrical and contains the word "LOVE" in a stylized, bubbly font. The neon is a vibrant cyan-blue color. A white rectangular box is superimposed over the center of the sign, containing the text "Thank You" in a black, italicized serif font. The background is dark, making the glowing sign stand out.

*Thank You*