

# Additional Karori Tunnel Cycling Activity Analysis

With the decision to delay the discussion from the 9 April Regulatory Processes Committee to the 18 June Committee meeting, officers were instructed to conduct further analysis of cycling activity around Karori Tunnel.

Figure 1 compares city-bound and Karori-bound monthly totals to check for a reasonable balance in cyclist flows.

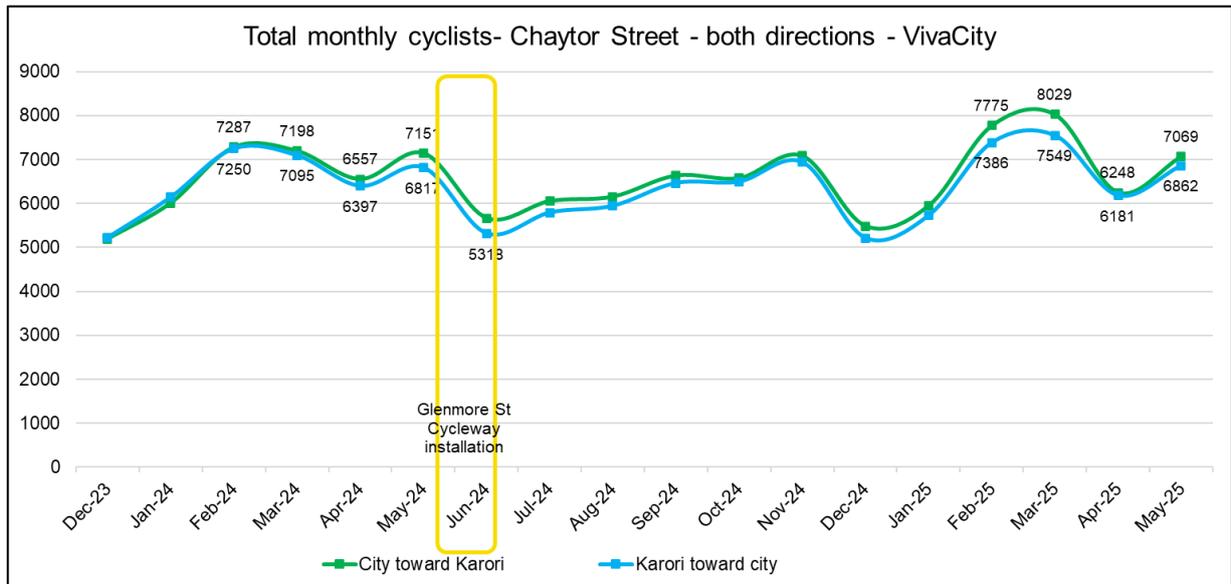


Figure 1. Total monthly number of cyclists on Chaytor Street (VivaCity data)

Figure 2 shows the monthly total counts of Karori-bound cyclists in Chaytor Street recorded by the BeCounted and VivaCity sensors from June 2023. The BeCounted data shows typical monthly variability which results from variations in the number of working days, school holidays and weather. The VivaCity data starts in December 2023. Becounted data was not available in January and February 2025 due to roadworks disruption, following with larger gaps from February to May 2025.

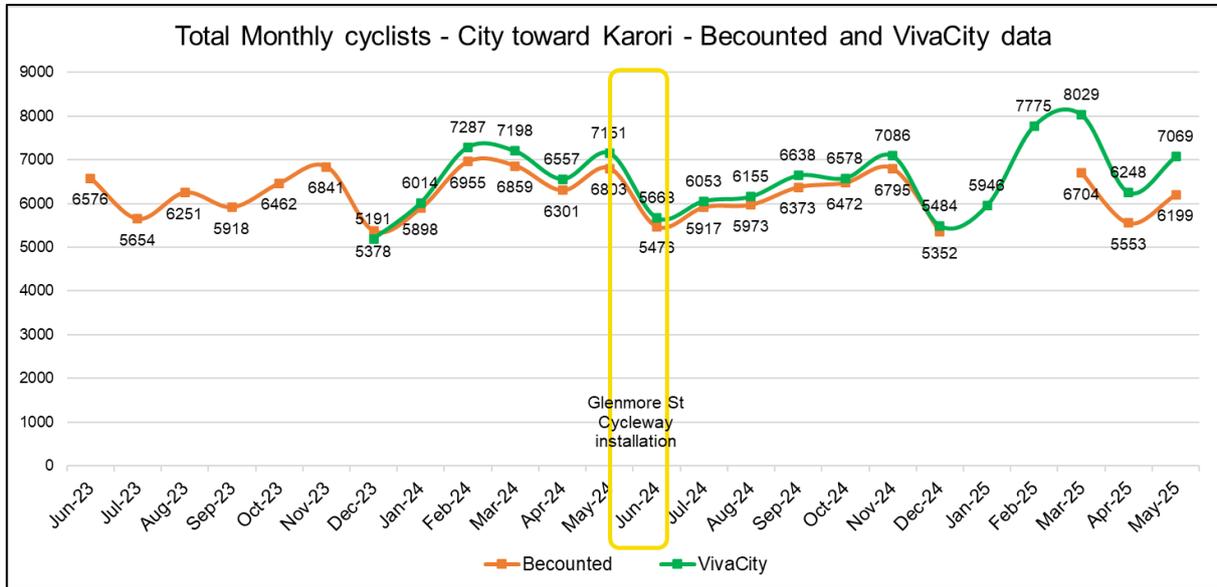


Figure 2. Monthly bike counts in Chaytor Street towards Karori

Figure 3 shows the monthly total counts of city-bound cyclists in Chaytor Street recorded by the BeCounted and VivaCity sensors from June 2023. The VivaCity data starts in December 2023. BeCounted data records lower numbers than VivaCity data for this location.

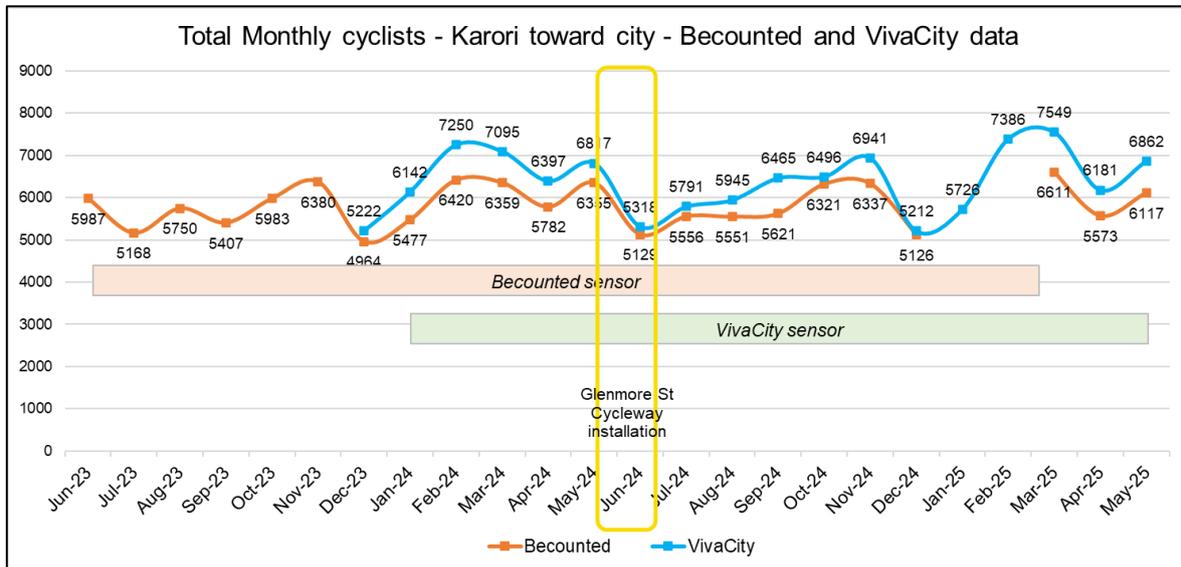


Figure 3. Monthly bike counts in Chaytor Street city bound

## Conclusion:

BeCounted was slightly undercounting compared to VivaCity data before Dec 2024, and after Feb 2025 is largely undercounting, particularly for Karori bound data. The citybound counter has been periodically undercounting over the period of comparison. Therefore, comparing before and after data using BeCounted can be misleading, and it is suggested to use VivaCity data for this location.

