

Balwyn North Traffic Intelligence Profile

SCATS-based vehicle movement profile generated from the Melbourne SCATS Intelligence Platform. Historical signalised-intersection movement analysis covering 2014–2026.

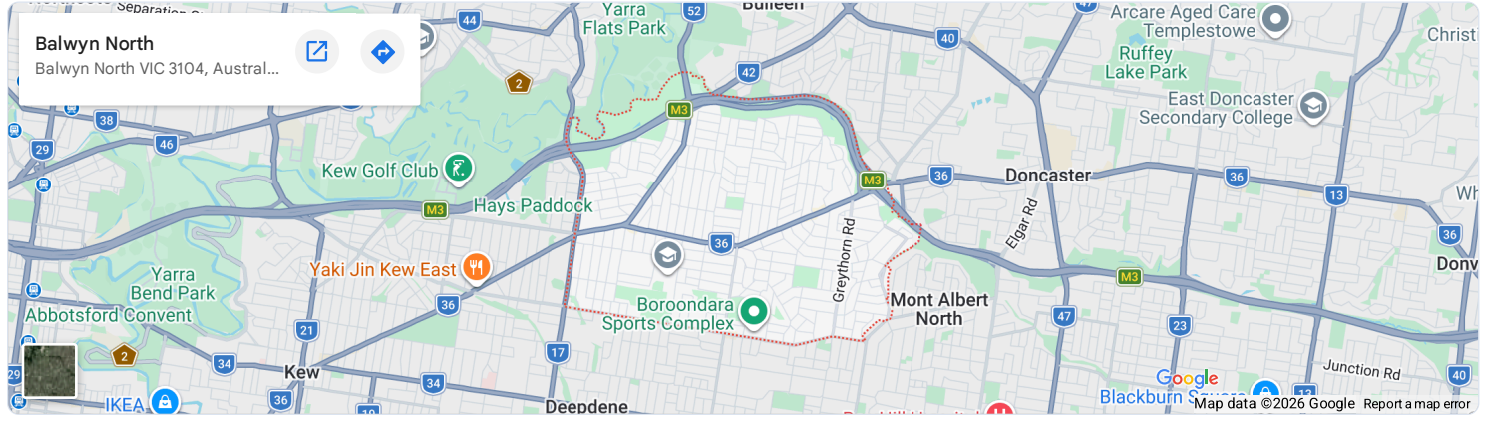
Generated: 20 May 2026 Suburb rank: #87 SCATS sites: 16 Postcode(s): 3103, 3104



I'm your local mate with a few trailers right next to The West Gate Freeway!

Suburb Map

This map provides geographic context for the suburb profile and the surrounding road network. For individual SCATS sensor locations, use the map links in the Top SCATS Sites and Sensor Inventory tables.



Executive Snapshot

Balwyn North contains 16 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 1,850,283,676 vehicle movements, or approximately 1,850.3M.

The busiest mapped SCATS location in Balwyn North is Eastern Freeway / Bulleen / Thompsons, with 370,582,073 recorded movements across the historical period.

1,850.3M
Total mapped vehicle movements

16
Mapped SCATS sites

#87
Melbourne suburb movement rank

115,642,729
Average movements per site

Interpretation: This profile should be read as a suburb-level movement exposure report based on mapped SCATS sensor locations. It is useful for local traffic reporting, OOH exposure review, planning discussion, business-location context and public-interest transport analysis.

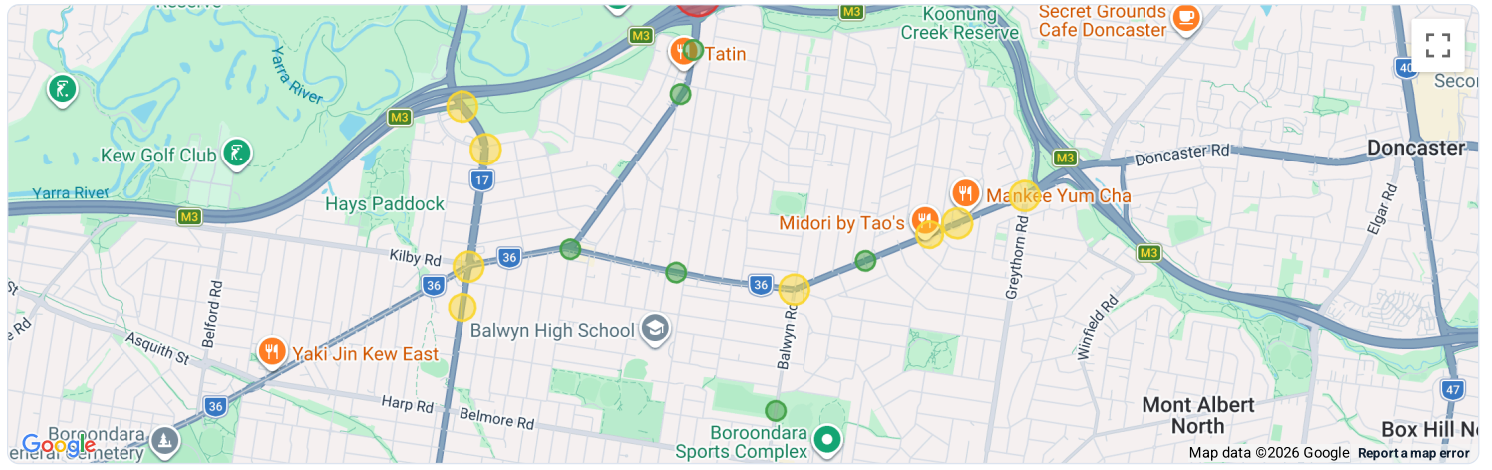
Top SCATS Sites in Balwyn North

| # | SCATS ID | Location | Total movements | Millions | Rank |
|----|----------|--|-----------------|----------|------|
| 1 | 2827 | Eastern Freeway / Bulleen / Thompsons EASTERN FWY/BULLEEN/THOMPSONS | 370,582,073 | 370.6M | 78 |
| 2 | 2829 | Doncaster / Greythorn DONCASTER/GREYTHORN | 175,460,354 | 175.5M | 960 |
| 3 | 4030 | Burke / Doncaster / Kilby / High BURKE/DONCASTER/KILBY/HIGH | 170,905,311 | 170.9M | 1014 |
| 4 | 2825 | Eastern / Burke On Ramp EASTERN/BURKE ON RAMP | 168,545,734 | 168.5M | 1048 |
| 5 | 2826 | Burke / Old Burke / Boulevard BURKE/OLD BURKE/BOULEVARD | 149,929,281 | 149.9M | 1288 |
| 6 | 2041 | DONCASTER near CENTREWAY DONCASTER NR CENTREWAY | 146,650,888 | 146.7M | 1337 |
| 7 | 3180 | Doncaster / Balwyn DONCASTER/BALWYN | 117,927,984 | 117.9M | 1853 |
| 8 | 3181 | DONCASTER near SYLVANDER DONCASTER NR SYLVANDER | 89,483,945 | 89.5M | 2551 |
| 9 | 4031 | BURKE near KEW HIGH SCHOOL BURKE NR KEW HIGH SCHOOL | 85,859,352 | 85.9M | 2637 |
| 10 | 3827 | DONCASTER near VIEWHILL DONCASTER NR VIEWHILL | 83,385,268 | 83.4M | 2696 |

Note: SCATS locations are assigned to suburbs using the latitude/longitude of each site. Boundary roads may influence nearby suburbs even when assigned to one suburb for repeatable reporting.

SCATS Sensor Map

This map shows the location of each mapped SCATS sensor associated with **Balwyn North**. Circle colours match the main full-network SCATS map. Click any circle to view the site name, movement total and a direct Google Maps link.



Traffic intensity circles

● Red — Top 5% busiest Melbourne-wide
● Orange — Top 20% busiest Melbourne-wide
● Yellow — Middle-volume Melbourne-wide
● Green — Lower-volume mapped site
 Circle colours are based on each SCATS site's Melbourne-wide rank across the cleaned archive, not just its rank within this suburb. Circle size is scaled lightly by traffic intensity.

Provider: Google Maps circle overlays - Sensors plotted: 16. For PDF export, you will usually get a better result by replacing this live map with a static PNG screenshot.

Local Movement Context

Busiest Local Site

Eastern Freeway / Bulleen / Thompsons
 370,582,073 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

Balwyn North ranks **#87** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Doncaster
- DONCASTER
- Bulleen
- Burke
- Eastern
- High
- Balwyn
- Thompsons

OOH and media relevance: Suburbs with concentrated SCATS movement corridors can be useful for billboard exposure review, local traffic journalism, corridor analysis and business-location intelligence.

SCATS Sensor Inventory

| SCATS ID | Friendly name | Official name | Total movements |
|----------|---------------------------------------|-------------------------------|-----------------|
| 2827 | Eastern Freeway / Bulleen / Thompsons | EASTERN FWY/BULLEEN/THOMPSONS | 370,582,073 |
| 2829 | Doncaster / Greythorn | DONCASTER/GREYTHORN | 175,460,354 |
| 4030 | Burke / Doncaster / Kilby / High | BURKE/DONCASTER/KILBY/HIGH | 170,905,311 |
| 2825 | Eastern / Burke On Ramp | EASTERN/BURKE ON RAMP | 168,545,734 |
| 2826 | Burke / Old Burke / Boulevard | BURKE/OLD BURKE/BOULEVARD | 149,929,281 |
| 2041 | DONCASTER near CENTREWAY | DONCASTER NR CENTREWAY | 146,650,888 |
| 3180 | Doncaster / Balwyn | DONCASTER/BALWYN | 117,927,984 |
| 3181 | DONCASTER near SYLVANDER | DONCASTER NR SYLVANDER | 89,483,945 |
| 4031 | BURKE near KEW HIGH SCHOOL | BURKE NR KEW HIGH SCHOOL | 85,859,352 |
| 3827 | DONCASTER near VIEWHILL | DONCASTER NR VIEWHILL | 83,385,268 |
| 4055 | BULLEEN near LEONIS | BULLEEN NR LEONIS | 74,134,567 |
| 4051 | Doncaster / Bulleen / Severn | DONCASTER/BULLEEN/SEVERN | 72,677,231 |
| 4054 | Bulleen / Hillview | BULLEEN / HILLVIEW | 69,451,493 |
| 4053 | DONCASTER near BUCHANAN | DONCASTER NR BUCHANAN | 62,119,097 |
| 32111 | Balwyn Road near Tower Road | Balwyn Road near Tower Road | 13,170,966 |
| 4058 | BELMORE near ALANDALE | BELMORE NR ALANDALE | 132 |

Methodology and Platform Context

This suburb profile is one local report generated from the wider **Melbourne SCATS Intelligence** platform. The platform converts more than 12 years of Melbourne traffic signal data into a public-facing transport intelligence layer covering historical movement totals, site rankings, corridor behaviour, suburb profiles, OOH exposure review, and reproducible data-quality evidence.

37,877,000,000

Cleaned 15-minute SCATS observations

539,021,000,000

Total cleaned vehicle movements analysed platform-wide

148/148

Expected months processed in the reporting window

2014–2026

Historical coverage window

How to read this suburb report: the suburb total shown earlier in this profile is this suburb's portion of the mapped SCATS movement layer. The Melbourne-wide figures above describe the scale of the full platform, not this suburb alone. The suburb profile layer turns the city-wide dataset into 517 suburb/locality reports using 4,427 mapped SCATS sites.

- Input suburb summary: suburb_summary_v1.json
- Input site lookup: scats_site_suburb_lookup_cleaned_v1_4.csv
- Suburb/locality profiles generated: **517**
- Mapped SCATS sites used in the suburb reporting layer: **4,427**
- Movement total represented by the mapped suburb profile layer: **532,181,076,069 movements**
- Time resolution: **15-minute intervals**

Boundary caution: Some SCATS sensors sit on arterial roads, freeway interfaces or suburb boundaries. For repeatable reporting, each sensor is assigned to one suburb based on its coordinate. This makes the profiles reproducible, but nearby suburbs may still be affected by the same corridor.

Open-source project: <https://github.com/clarketowson/melbourne-scats-intelligence>