

Caulfield North Traffic Intelligence Profile

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

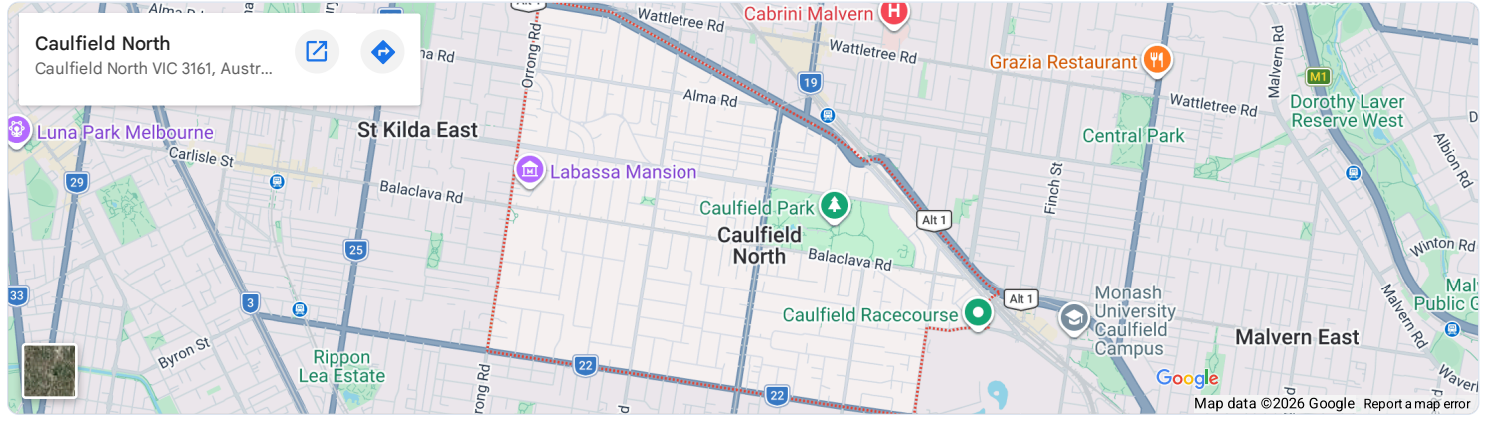
Generated: 20 May 2026 Suburb rank: #54 SCATS sites: 20 Postcode(s): 3161, 3183



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

Caulfield North contains 20 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 2,690,064,224 vehicle movements, or approximately 2,690.1M.

The busiest mapped SCATS location in Caulfield North is Princes Highway East / NORMANBY / STATION, with 391,219,605 recorded movements across the historical period.

2,690.1M
Total mapped vehicle movements

20
Mapped SCATS sites

#54
Melbourne suburb movement rank

134,503,211
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.

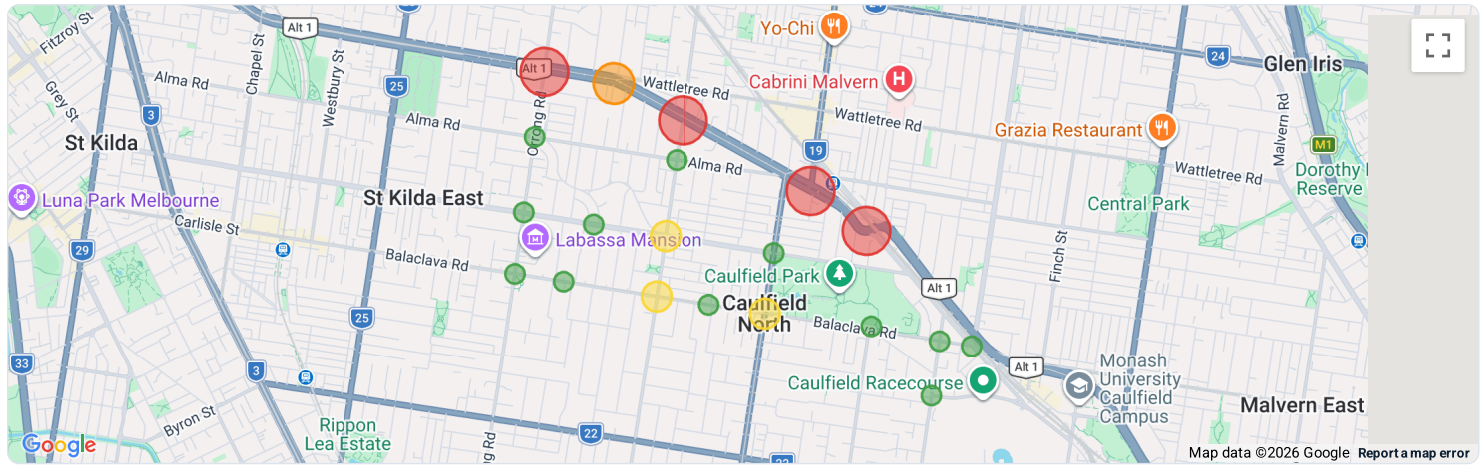
Top SCATS Sites in Caulfield North

#	SCATS ID	Location	Total movements	Millions	Rank
1	2416	Princes Highway East / NORMANBY / STATION PHE/NORMANBY/STATION	391,219,605	391.2M	53
2	2412	Princes Highway East / ORRONG PHE/ORRONG	366,473,067	366.5M	82
3	2413	Princes Highway East / KOOYONG PHE/KOOYONG	315,989,551	316.0M	157
4	2414	Princes Highway East / GLENFERRIE / HAWTHORN PHE/GLENFERRIE/HAWTHORN	292,655,807	292.7M	207
5	2433	Dandenong / Wattleree DANDENONG/WATTLETREE	286,416,047	286.4M	225
6	4071	Inkerman / Kooyong INKERMAN/KOOYONG	107,735,804	107.7M	2102
7	4074	Balaclava / Kooyong BALACLAVA/KOOYONG	105,937,622	105.9M	2151
8	4075	Balaclava / Hawthorn BALACLAVA/HAWTHORN	103,910,699	103.9M	2199
9	4073	Balaclava / Orrong BALACLAVA/ORRONG	84,872,922	84.9M	2660
10	4072	Hawthorn / Inkerman HAWTHORN/INKERMAN	82,051,581	82.1M	2733

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 **Caulfield 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: 20. 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

Princes Highway East / NORMANBY / STATION

391,219,605 vehicle movements

[Open busiest site in Google Maps](#)

Suburb Rank

Caulfield North ranks **#54** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Balaclava
- High
- Princes
- Inkerman
- Kooyong
- Orrong
- Hawthorn
- Alma

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
2416	Princes Highway East / NORMANBY / STATION	PRINCES HWY EAST/NORMANBY/STATION	391,219,605
2412	Princes Highway East / ORRONG	PRINCES HWY EAST/ORRONG	366,473,067
2413	Princes Highway East / KOOYONG	PRINCES HWY EAST/KOOYONG	315,989,551
2414	Princes Highway East / GLENFERRIE / HAWTHORN	PRINCES HWY EAST/GLENFERRIE/HAWTHORN	292,655,807
2433	Dandenong / Wattleree	DANDENONG/WATTLEREE	286,416,047
4071	Inkerman / Kooyong	INKERMAN/KOOYONG	107,735,804
4074	Balaclava / Kooyong	BALACLAVA/KOOYONG	105,937,622
4075	Balaclava / Hawthorn	BALACLAVA/HAWTHORN	103,910,699
4073	Balaclava / Orrong	BALACLAVA/ORRONG	84,872,922
4072	Hawthorn / Inkerman	HAWTHORN/INKERMAN	82,051,581
4070	Kooyong / Alma	KOOYONG/ALMA	79,422,813
4105	Orrong / Alma	ORRONG/ALMA	79,116,489
4103	Inkerman / Orrong	INKERMAN/ORRONG	75,586,471
4076	Balaclava / Kambrook	BALACLAVA/KAMBROOK	59,563,719
2526	Inkerman Road near Orrong Grove	Inkerman Road near Orrong Grove	56,192,281
2748	Balaclava / BAMBRA	BALACLAVA/BAMBRA	48,782,557
1805	Kambrook Rd / Station Street	Kambrook Rd / Station Street	41,092,953
4096	BALACLAVA near KINROSS	BALACLAVA NR KINROSS	39,573,278
4077	Balaclava / Normanby	BALACLAVA/NORMANBY	38,437,111
2691	BALACLAVA near LABASSA	BALACLAVA NR LABASSA	35,033,847

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
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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>