

Malvern East Traffic Intelligence Profile

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

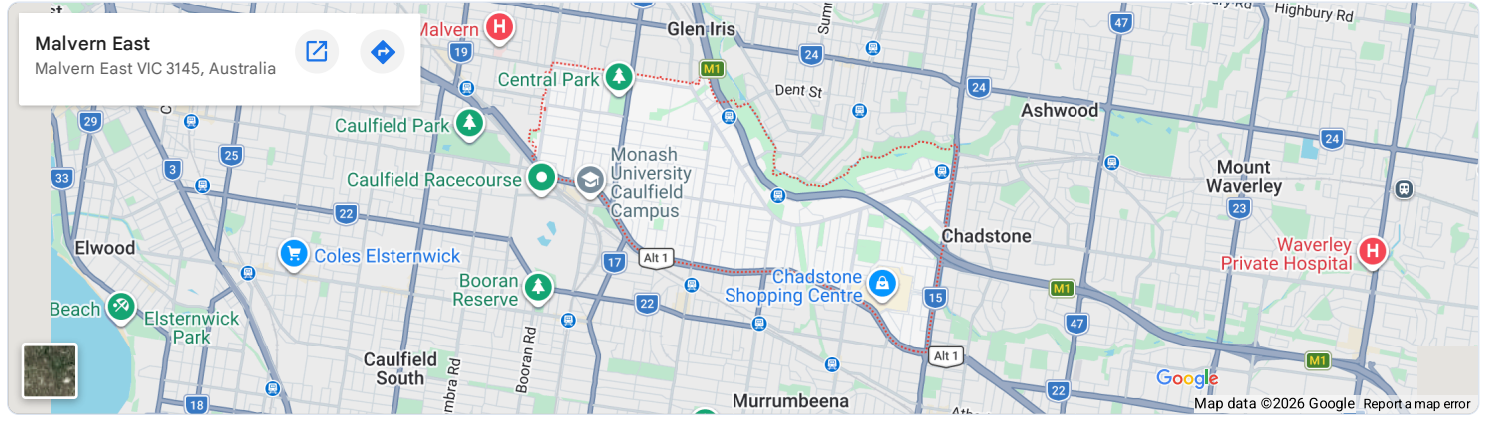
Generated: 20 May 2026 Suburb rank: #6 SCATS sites: 34 Postcode(s): 3145, 3148



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

Malvern East contains 34 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 5,714,160,967 vehicle movements, or approximately 5,714.2M.

The busiest mapped SCATS location in Malvern East is Monash / Warrigal, with 406,633,229 recorded movements across the historical period.

5,714.2M
Total mapped vehicle movements

34
Mapped SCATS sites

#6
Melbourne suburb movement rank

168,063,557
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.

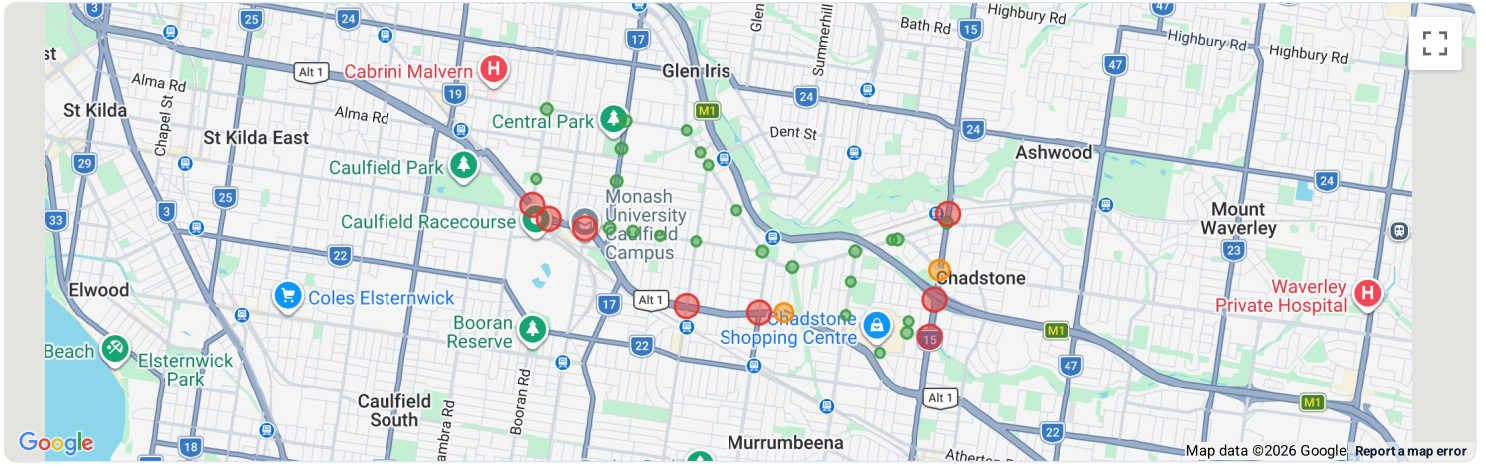
Top SCATS Sites in Malvern East

#	SCATS ID	Location	Total movements	Millions	Rank
1	3681	Monash / Warrigal MONASH/WARRIGAL	406,633,229	406.6M	46
2	2421	Princes Highway East / DARLING / KOORNANG PHE/DARLING/KOORNANG	387,026,675	387.0M	57
3	2422	Princes Highway East / MURRUMBEENA / BELGRAVE PHE/MURRUMBEENA/BELGRAVE	374,935,276	374.9M	72
4	3706	Warrigal / Middle WARRIGAL/MIDDLE	374,815,046	374.8M	73
5	3689	Warrigal / The Boulevard WARRIGAL/THE BOULEVARD	339,858,763	339.9M	112
6	2434	Princes Highway East / WAVERLEY PHE/WAVERLEY	317,361,026	317.4M	154
7	2417	Dandenong / Tooronga DANDENONG/TOORONGA	299,425,968	299.4M	183
8	2435	Princes Highway East / SMITH / RAILWAY / NORMANBY PHE/SMITH/RAILWAY/NORMANBY	296,217,390	296.2M	194
9	3680	Warrigal / Waverley WARRIGAL/WAVERLEY	257,573,541	257.6M	339
10	2423	Princes Highway East near SUTHERLAND PHE NR SUTHERLAND	188,001,966	188.0M	838

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 **Malvern East**. 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: 34. 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

Monash / Warrigal
 406,633,229 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

Malvern East ranks #6 among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Waverley
- Warrigal
- High
- Princes
- WAVERLEY
- Malvern
- Chadstone
- Wattleree

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
3681	Monash / Warrigal	MONASH/WARRIGAL	406,633,229
2421	Princes Highway East / DARLING / KOORNANG	PRINCES HWY EAST/DARLING/KOORNANG	387,026,675
2422	Princes Highway East / MURRUMBEENA / BELGRAVE	PRINCES HWY EAST/MURRUMBEENA/BELGRAVE	374,935,276
3706	Warrigal / Middle	WARRIGAL/MIDDLE	374,815,046
3689	Warrigal / The Boulevard	WARRIGAL/THE BOULEVARD	339,858,763
2434	Princes Highway East / WAVERLEY	PRINCES HWY EAST/WAVERLEY	317,361,026
2417	Dandenong / Tooronga	DANDENONG/TOORONGA	299,425,968
2435	Princes Highway East / SMITH / RAILWAY / NORMANBY	PRINCES HWY EAST/SMITH/RAILWAY/NORMANBY	296,217,390
3680	Warrigal / Waverley	WARRIGAL/WAVERLEY	257,573,541
2423	Princes Highway East near SUTHERLAND	PRINCES HWY EAST NR SUTHERLAND	188,001,966
3690	Warrigal / Batesford	WARRIGAL/BATESFORD	186,545,150
3884	BURKE near KARDELLA	BURKE NR KARDELLA	186,241,724
3846	BURKE near MANNING	BURKE NR MANNING	183,307,734
4342	Malvern / Waverley / Belgrave	MALVERN/WAVERLEY/BELGRAVE	149,419,899
4341	Waverley / Chadstone	WAVERLEY/CHADSTONE	146,359,350
3852	WAVERLEY near BATESFORD	WAVERLEY NR BATESFORD	130,739,749
1073	Middle / Capon	MIDDLE/CAPON	122,999,116
4368	Burke / Wattleree	BURKE/WATTLEREE	120,070,297
4346	Burke / Waverley	BURKE/WAVERLEY	120,003,486
4367	Tooronga / Wattleree	TOORONGA/WATTLEREE	118,580,468
1071	WAVERLEY near BRUCE	WAVERLEY NR BRUCE	117,468,690
4345	WAVERLEY near TENNYSON	WAVERLEY NR TENNYSON	108,490,824
3855	Malvern / Moira	MALVERN/MOIRA	98,457,438
4343	Waverley / Darling	WAVERLEY/DARLING	93,251,641
4340	Waverley / Batesford	WAVERLEY/BATESFORD	92,683,580
4348	Malvern / Darling / Dene	MALVERN/DARLING/DENE	83,883,626
4347	Malvern / Winton	MALVERN/WINTON	83,771,715
4349	Malvern / Wattleree	MALVERN/WATTLEREE	83,389,804
3851	Chadstone / Exit Chad Shops	CHADSTONE/EXIT CHAD SHOPS	69,393,683
4344	WAVERLEY near MACGREGOR	WAVERLEY NR MACGREGOR	58,689,445
3844	TOORONGA near COPPIN	TOORONGA NR COPPIN	56,413,156
1371	Chadstone Shopping / Bus / Car Park	CHADSTONE SHOPPING/BUS/CAR PARK	53,032,592
32160	City Circuit / Chadstone Car Park C Ne Access	CITY CIRCUIT / CHADSTONE CAR PARK C NE ACCESS	9,111,814
3847	CHADSTONE near ABBOTSFORD	CHADSTONE NR ABBOTSFORD	7,106

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>