

Essendon Traffic Intelligence Profile

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

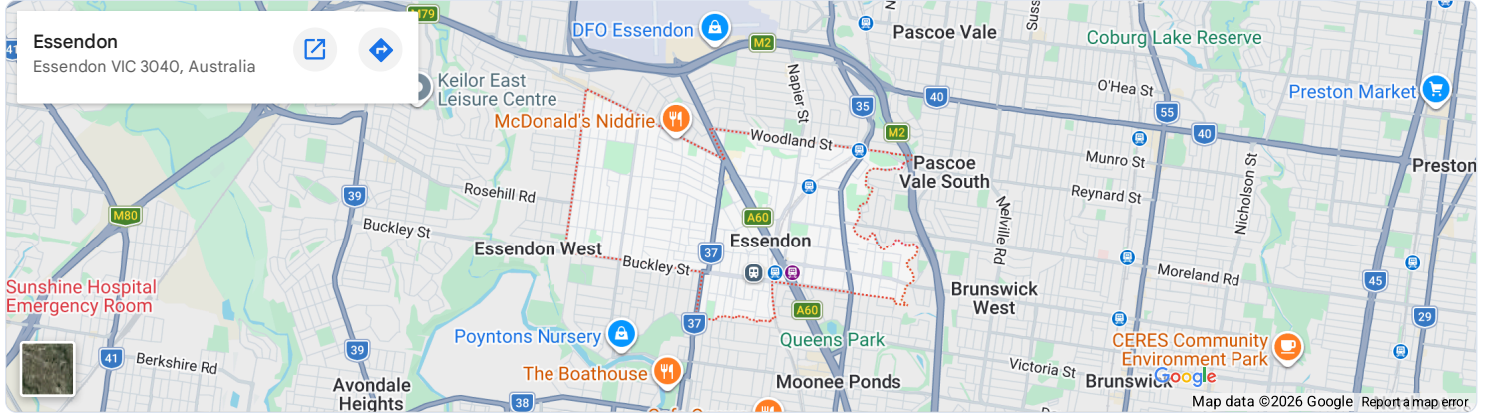
Generated: 20 May 2026 Suburb rank: #66 SCATS sites: 18 Postcode(s): 3040



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

Essendon contains 18 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 2,387,046,448 vehicle movements, or approximately 2,387.0M.

The busiest mapped SCATS location in Essendon is MT ALEXANDER near LINCOLN, with 513,927,484 recorded movements across the historical period.

2,387.0M
Total mapped vehicle movements

18
Mapped SCATS sites

#66
Melbourne suburb movement rank

132,613,691
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.

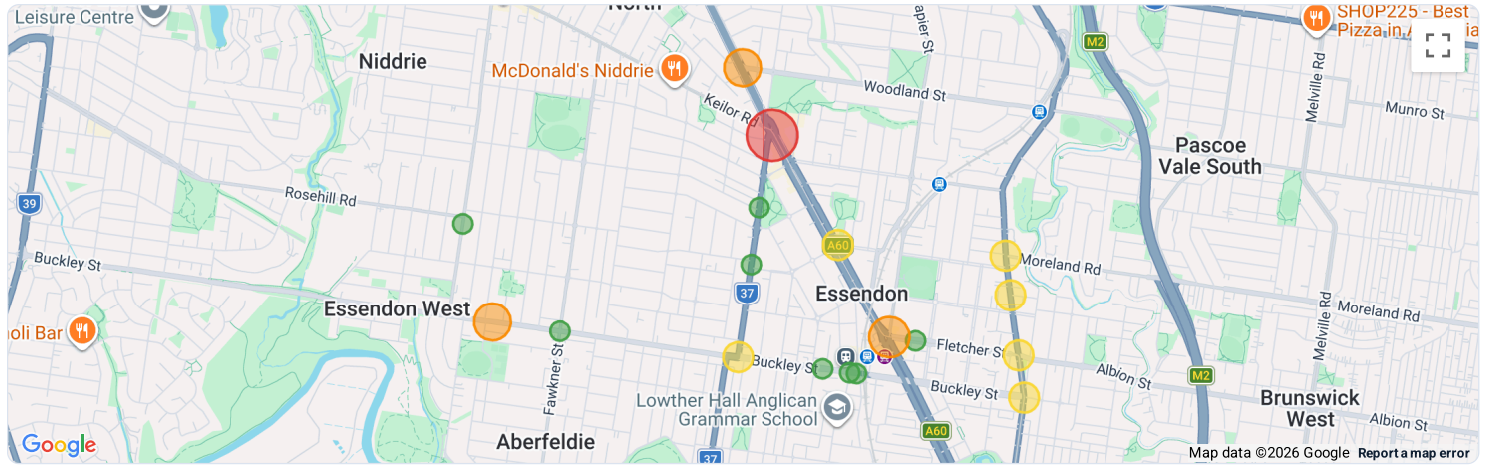
Top SCATS Sites in Essendon

#	SCATS ID	Location	Total movements	Millions	Rank
1	3519	MT ALEXANDER near LINCOLN MT ALEXANDER NR LINCOLN	513,927,484	513.9M	9
2	3514	Mt Alexander / Napier / Fletcher MT ALEXANDER/NAPIER/FLETCHER	259,051,151	259.1M	332
3	3044	BUCKLEY near BATMAN BUCKLEY NR BATMAN	242,617,879	242.6M	404
4	1012	Bulla / Woodland BULLA/WOODLAND	216,931,927	216.9M	561
5	3515	Mt Alexander / Brewster / Thistle MT ALEXANDER/BREWSTER/THISTLE	172,633,274	172.6M	992
6	4198	Buckley / Waverley / Lincoln BUCKLEY/WAVERLEY/LINCOLN	144,793,752	144.8M	1370
7	3590	Pascoe Vale / Albion / Fletcher PASCOE VALE/ALBION/FLETCHER	129,152,621	129.2M	1612
8	3592	Pascoe Vale / Moreland PASCOE VALE/MORELAND	127,689,015	127.7M	1645
9	3591	PASCOE VALE near RALEIGH PASCOE VALE NR RALEIGH	103,895,070	103.9M	2200
10	3606	Pascoe Vale / Buckley PASCOE VALE/BUCKLEY	103,625,358	103.6M	2210

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 **Essendon**. 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: 18. 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

MT ALEXANDER near LINCOLN
 513,927,484 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

Essendon ranks **#66** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Buckley
- Pascoe Vale
- LINCOLN
- Alexander
- Fletcher
- ALEXANDER
- Napier
- BUCKLEY

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
3519	MT ALEXANDER near LINCOLN	MT ALEXANDER NR LINCOLN	513,927,484
3514	Mt Alexander / Napier / Fletcher	MT ALEXANDER/NAPIER/FLETCHER	259,051,151
3044	BUCKLEY near BATMAN	BUCKLEY NR BATMAN	242,617,879
1012	Bulla / Woodland	BULLA/WOODLAND	216,931,927
3515	Mt Alexander / Brewster / Thistle	MT ALEXANDER/BREWSTER/THISTLE	172,633,274
4198	Buckley / Waverley / Lincoln	BUCKLEY/WAVERLEY/LINCOLN	144,793,752
3590	Pascoe Vale / Albion / Fletcher	PASCOE VALE/ALBION/FLETCHER	129,152,621
3592	Pascoe Vale / Moreland	PASCOE VALE/MORELAND	127,689,015
3591	PASCOE VALE near RALEIGH	PASCOE VALE NR RALEIGH	103,895,070
3606	Pascoe Vale / Buckley	PASCOE VALE/BUCKLEY	103,625,358
4196	Buckley / Cooper / Fawkner	BUCKLEY/COOPER/FAWKNER	89,320,236
3528	LINCOLN near SPENCER	LINCOLN NR SPENCER	84,049,657
1879	Mt Alexander Rd / Shamrock St / Grice Cres	Mt Alexander Rd/Shamrock St/Grice Cres	78,173,423
1971	Buckley Street btm Lorraine St & Flowers St	Buckley Street btm Lorraine St & Flowers St	47,497,968
3834	Buckley / Rose / Sherbourne	BUCKLEY/ROSE/SHERBOURNE	35,997,224
2259	HOFFMANS near ROSEHILL	HOFFMANS NR ROSEHILL	26,262,894
2230	Fletcher near Nicholson	Fletcher near Nicholson	11,427,511
4195	LINCOLN near FLORENCE	LINCOLN NR FLORENCE	4

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.

