

Elwood 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: #71 SCATS sites: 12 Postcode(s): 3184



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

Elwood contains 12 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 2,204,322,856 vehicle movements, or approximately 2,204.3M.

The busiest mapped SCATS location in Elwood is Ormond Esp / St Kilda / Head, with 352,302,804 recorded movements across the historical period.

2,204.3M
Total mapped vehicle movements

12
Mapped SCATS sites

#71
Melbourne suburb movement rank

183,693,571
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 Elwood

| # | SCATS ID | Location | Total movements | Millions | Rank |
|----|----------|--|-----------------|----------|------|
| 1 | 3022 | Ormond Esp / St Kilda / Head ORMOND ESP/ST KILDA/HEAD | 352,302,804 | 352.3M | 94 |
| 2 | 2312 | Nepean / Glenhuntly / Hotham NEPEAN/GLENHUNTLY/HOTHAM | 344,490,057 | 344.5M | 102 |
| 3 | 4859 | NEPEAN near BURNS NEPEAN NR BURNS | 275,034,553 | 275.0M | 273 |
| 4 | 2314 | NEPEAN near SCOTT NEPEAN NR SCOTT | 274,594,021 | 274.6M | 277 |
| 5 | 3019 | Marine / Barkly / Glen Huntly MARINE/BARKLY/GLEN HUNTLY | 173,928,343 | 173.9M | 976 |
| 6 | 4838 | Marine / Dickens / Marina Ent MARINE/DICKENS/MARINA ENT | 156,162,785 | 156.2M | 1193 |
| 7 | 2410 | MARINE near ELWOOD CANAL MARINE NR ELWOOD CANAL | 139,007,062 | 139.0M | 1470 |
| 8 | 3009 | ORMOND ESP near PINE ORMOND ESP NR PINE | 132,405,587 | 132.4M | 1549 |
| 9 | 3021 | Ormond Esp / Elwood Beach Car ORMOND ESP/ELWOOD BEACH CAR | 128,721,274 | 128.7M | 1624 |
| 10 | 3020 | ORMOND ESP near BYRNE ORMOND ESP NR BYRNE | 122,450,327 | 122.5M | 1746 |

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 **Elwood**. 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: 12. 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

Ormond Esp / St Kilda / Head
 352,302,804 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

Elwood ranks **#71** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Ormond Esp
- Kilda
- NEPEAN
- Marine
- ORMOND ESP
- Head
- Nepean
- Glenhuntly

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 |
|----------|---------------------------------------|-------------------------------|-----------------|
| 3022 | Ormond Esp / St Kilda / Head | ORMOND ESP/ST KILDA/HEAD | 352,302,804 |
| 2312 | Nepean / Glenhuntly / Hotham | NEPEAN/GLENHUNTLY/HOTHAM | 344,490,057 |
| 4859 | NEPEAN near BURNS | NEPEAN NR BURNS | 275,034,553 |
| 2314 | NEPEAN near SCOTT | NEPEAN NR SCOTT | 274,594,021 |
| 3019 | Marine / Barkly / Glen Huntly | MARINE/BARKLY/GLEN HUNTLY | 173,928,343 |
| 4838 | Marine / Dickens / Marina Ent | MARINE/DICKENS/MARINA ENT | 156,162,785 |
| 2410 | MARINE near ELWOOD CANAL | MARINE NR ELWOOD CANAL | 139,007,062 |
| 3009 | ORMOND ESP near PINE | ORMOND ESP NR PINE | 132,405,587 |
| 3021 | Ormond Esp / Elwood Beach Car | ORMOND ESP/ELWOOD BEACH CAR | 128,721,274 |
| 3020 | ORMOND ESP near BYRNE | ORMOND ESP NR BYRNE | 122,450,327 |
| 4844 | St Kilda Street / G'Huntly / Tennyson | ST KILDA ST/G'HUNTLY/TENNYSON | 79,035,455 |
| 2999 | BARKLY near SHELLEY | BARKLY NR SHELLEY | 26,190,588 |

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>