

St Kilda Traffic Intelligence Profile

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

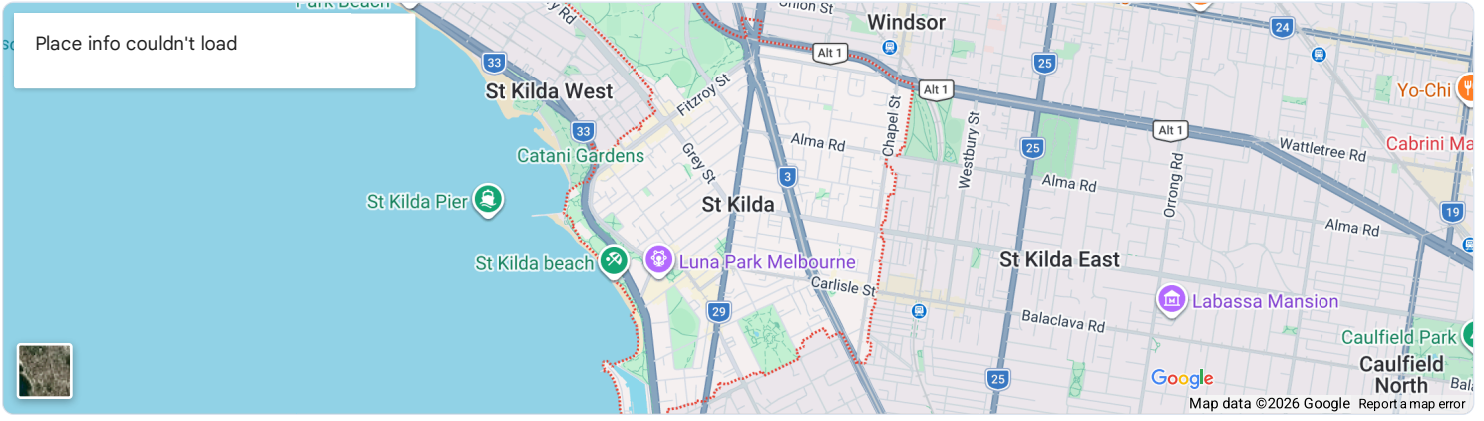
Generated: 20 May 2026 Suburb rank: #8 SCATS sites: 27 Postcode(s): 3182, 3184



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

St Kilda contains 27 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 4,967,931,033 vehicle movements, or approximately 4,967.9M.

The busiest mapped SCATS location in St Kilda is Nepean / Fitzroy / Wellington, with 364,909,593 recorded movements across the historical period.

4,967.9M
Total mapped vehicle movements

27
Mapped SCATS sites

#8
Melbourne suburb movement rank

183,997,445
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.

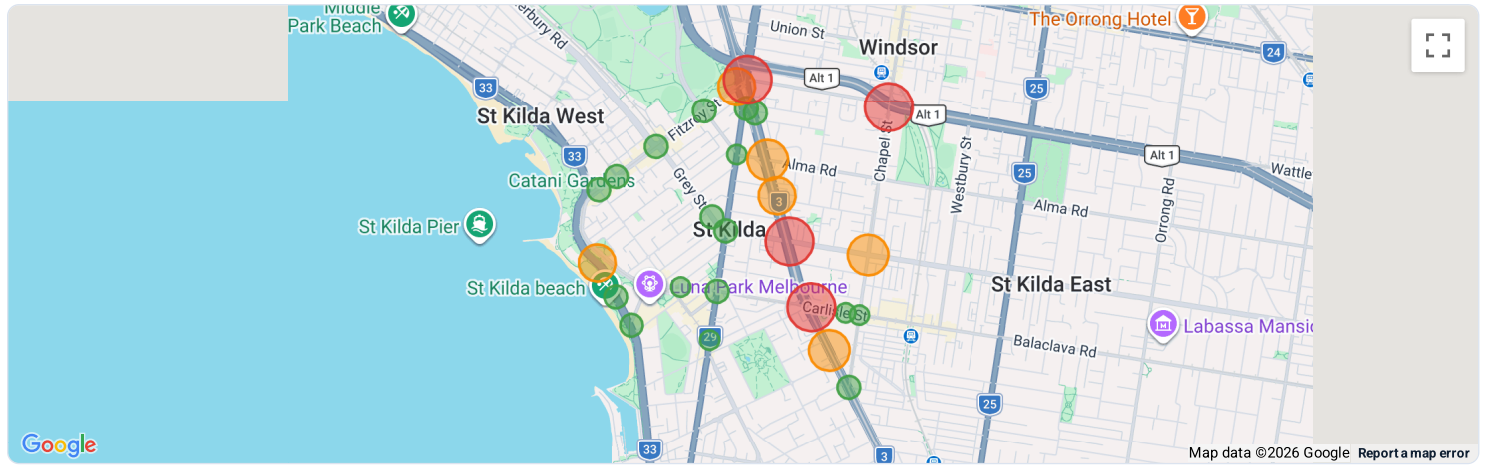
Top SCATS Sites in St Kilda

#	SCATS ID	Location	Total movements	Millions	Rank
1	2302	Nepean / Fitzroy / Wellington NEPEAN/FITZROY/WELLINGTON	364,909,593	364.9M	85
2	2409	Princes Highway East / CHAPEL PHE/CHAPEL	348,853,457	348.9M	100
3	2306	Nepean / Carlisle NEPEAN/CARLISLE	325,236,056	325.2M	139
4	2305	Nepean / Inkerman NEPEAN/INKERMAN	302,705,692	302.7M	178
5	2304	Nepean / Alma NEPEAN/ALMA	285,864,401	285.9M	228
6	4848	Chapel / Inkerman CHAPEL/INKERMAN	267,509,065	267.5M	295
7	2307	BRIGHTON near DICKENS BRIGHTON NR DICKENS	259,498,942	259.5M	330
8	2301	Nepean(St Kilda) / Punt NEPEAN(ST KILDA)/PUNT	240,113,591	240.1M	414
9	2299	Jacka Nth Lwr Esplanade JACKA NTH LWR ESPLANADE	234,940,977	234.9M	443
10	3017	ST KILDA near ARGYLE ST KILDA NR ARGYLE	222,390,315	222.4M	531

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 **St Kilda**. 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: 27. 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

Nepean / Fitzroy / Wellington
 364,909,593 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

St Kilda ranks **#8** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Nepean
- Barkly
- Fitzroy
- Princes
- Carlisle
- Inkerman
- Chapel
- 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
2302	Nepean / Fitzroy / Wellington	NEPEAN/FITZROY/WELLINGTON	364,909,593
2409	Princes Highway East / CHAPEL	PRINCES HWY EAST/CHAPEL	348,853,457
2306	Nepean / Carlisle	NEPEAN/CARLISLE	325,236,056
2305	Nepean / Inkerman	NEPEAN/INKERMAN	302,705,692
2304	Nepean / Alma	NEPEAN/ALMA	285,864,401
4848	Chapel / Inkerman	CHAPEL/INKERMAN	267,509,065
2307	BRIGHTON near DICKENS	BRIGHTON NR DICKENS	259,498,942
2301	Nepean(St Kilda) / Punt	NEPEAN(ST KILDA)/PUNT	240,113,591
2299	Jacka Nth Lwr Esplanade	JACKA NTH LWR ESPLANADE	234,940,977
3017	ST KILDA near ARGYLE	ST KILDA NR ARGYLE	222,390,315
2303	Nepean / Barkly	NEPEAN/BARKLY	169,726,212
2298	JACKA near LWR ESPLANADE	JACKA NR LWR ESPLANADE	162,295,019
2308	Nepean / Chapel	NEPEAN/CHAPEL	157,268,747
3018	Marine / Cavell	MARINE/CAVELL	155,404,062
4832	Fitzroy / Princes / Lakeside	FITZROY/PRINCES/LAKESIDE	151,451,500
3425	Barkly / Grey / Inkerman	BARKLY/GREY/INKERMAN	147,294,163
4840	GREY near ROBE	GREY NR ROBE	146,248,079
3426	Barkly / Carlisle	BARKLY/CARLISLE	140,857,872
4831	Canterbury / Fitzroy / Grey	CANTERBURY/FITZROY/GREY	130,423,018
4833	FITZROY near PARK	FITZROY NR PARK	111,569,454
3428	Fitzroy / Acland / Beaconsfield	FITZROY/ACLAND/BEACONSFIELD	110,292,935
4857	ST KILDA near OCTAVIA	ST KILDA NR OCTAVIA	102,287,577
3424	Barkly / Alma / Princes	BARKLY/ALMA/PRINCES	97,052,649
3427	Barkly / Acland / Mitford	BARKLY/ACLAND/MITFORD	90,267,655
4851	Chapel / Carlisle	CHAPEL/CARLISLE	87,465,602
2297	CARLISLE near ST KILDA (LIBRARY)	CARLISLE NR ST KILDA (LIBRARY)	83,149,837
4858	CARLISLE near ACLAND	CARLISLE NR ACLAND	72,854,563

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>