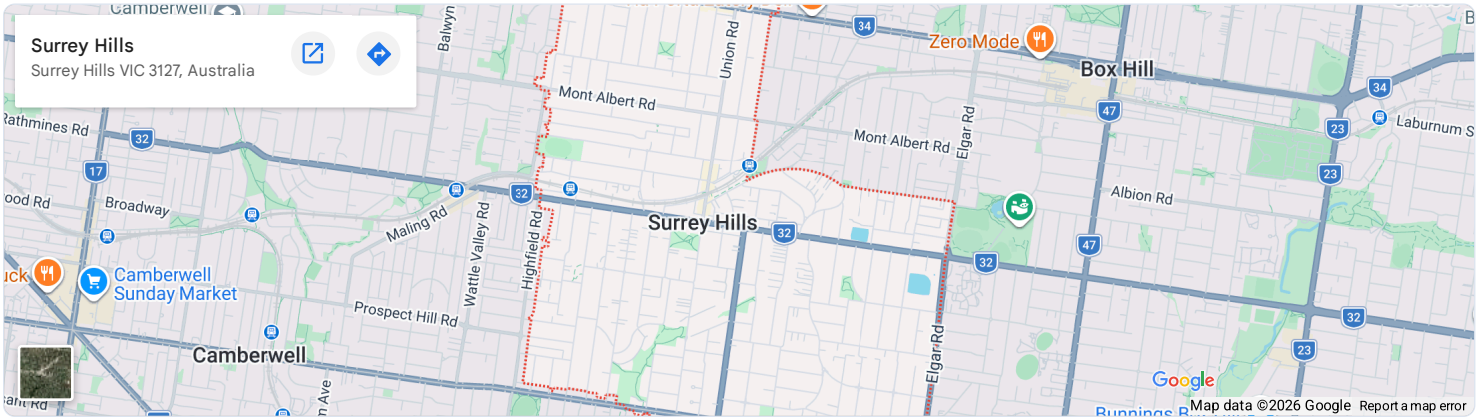
Surrey Hills
Traffic Intelligence Profile

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: #85 | SCATS sites: 15 | Postcode(s): 3124, 3125, 3127

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

Surrey Hills contains **15** mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for **1,921,294,120** vehicle movements, or approximately **1,921.3M**.

The busiest mapped SCATS location in Surrey Hills is **CANTERBURY near BALMORAL**, with **240,088,258** recorded movements across the historical period.

1,921.3M	15	#85	128,086,274
Total mapped vehicle movements	Mapped SCATS sites	Melbourne suburb movement rank	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.

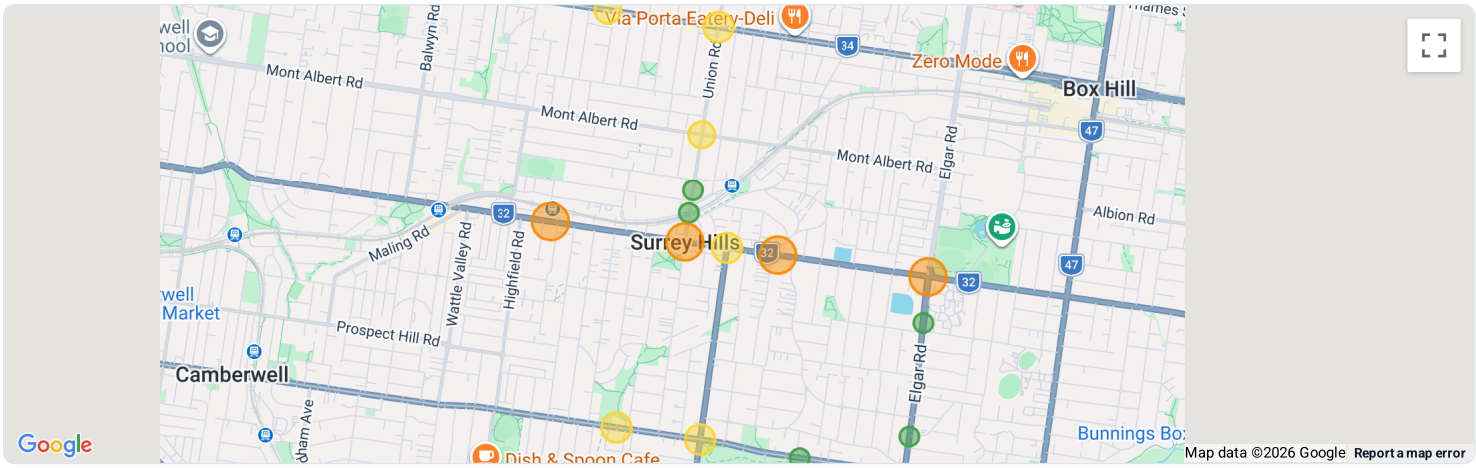
Top SCATS Sites in Surrey Hills

#	SCATS ID	Location	Total movements	Millions	Rank
1	2011	**CANTERBURY near BALMORAL** CANTERBURY NR BALMORAL	240,088,258	240.1M	415
2	3125	**Canterbury / Union** CANTERBURY/UNION	226,679,714	226.7M	497
3	3129	**CANTERBURY near KENNEALY** CANTERBURY NR KENNEALY	224,442,156	224.4M	517
4	3130	**Canterbury / Elgar** CANTERBURY/ELGAR	217,470,977	217.5M	558
5	3682	**Warrigal / Riversdale** WARRIGAL/RIVERSDALE	161,927,391	161.9M	1128
6	3126	**Canterbury / Warrigal** CANTERBURY/WARRIGAL	143,384,550	143.4M	1394
7	2200	**Whitehorse / Union** WHITEHORSE/UNION	123,662,998	123.7M	1721
8	3809	**Riversdale / Through** RIVERSDALE/THROUGH	101,999,429	102.0M	2250
9	4068	**Mont Albert / Union** MONT ALBERT/UNION	96,051,943	96.1M	2389
10	3823	**WHITEHORSE near BANOOL** WHITEHORSE NR BANOOL	94,035,950	94.0M	2447

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 **Surrey Hills**. 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: **15**. 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

CANTERBURY near BALMORAL
240,088,258 vehicle movements
Open busiest site in Google Maps

Suburb Rank

Surrey Hills ranks **#85** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Canterbury
- Union
- Riversdale
- CANTERBURY
- Elgar
- Warrigal
- BALMORAL
- KENNEALY

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
2011	CANTERBURY near BALMORAL	CANTERBURY NR BALMORAL	240,088,258
3125	Canterbury / Union	CANTERBURY/UNION	226,679,714
3129	CANTERBURY near KENNEALY	CANTERBURY NR KENNEALY	224,442,156
3130	Canterbury / Elgar	CANTERBURY/ELGAR	217,470,977
3682	Warrigal / Riversdale	WARRIGAL/RIVERSDALE	161,927,391
3126	Canterbury / Warrigal	CANTERBURY/WARRIGAL	143,384,550
2200	Whitehorse / Union	WHITEHORSE/UNION	123,662,998
3809	Riversdale / Through	RIVERSDALE/THROUGH	101,999,429
4068	Mont Albert / Union	MONT ALBERT/UNION	96,051,943
3823	WHITEHORSE near BANOOL	WHITEHORSE NR BANOOL	94,035,950
3924	Riversdale / Park / Elgar	RIVERSDALE/PARK/ELGAR	86,803,109
3923	ELGAR near ERASMUS	ELGAR NR ERASMUS	77,658,937
3933	RIVERSDALE near ALANDALE	RIVERSDALE NR ALANDALE	73,501,405
32000	Union Road between Sunbury Cres & Stirling Cres	Union Road between Sunbury Cres & Stirling Cres	27,482,875
3822	UNION near GUILDFORD	UNION NR GUILDFORD	26,104,428

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**