

Clayton Traffic Intelligence Profile

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

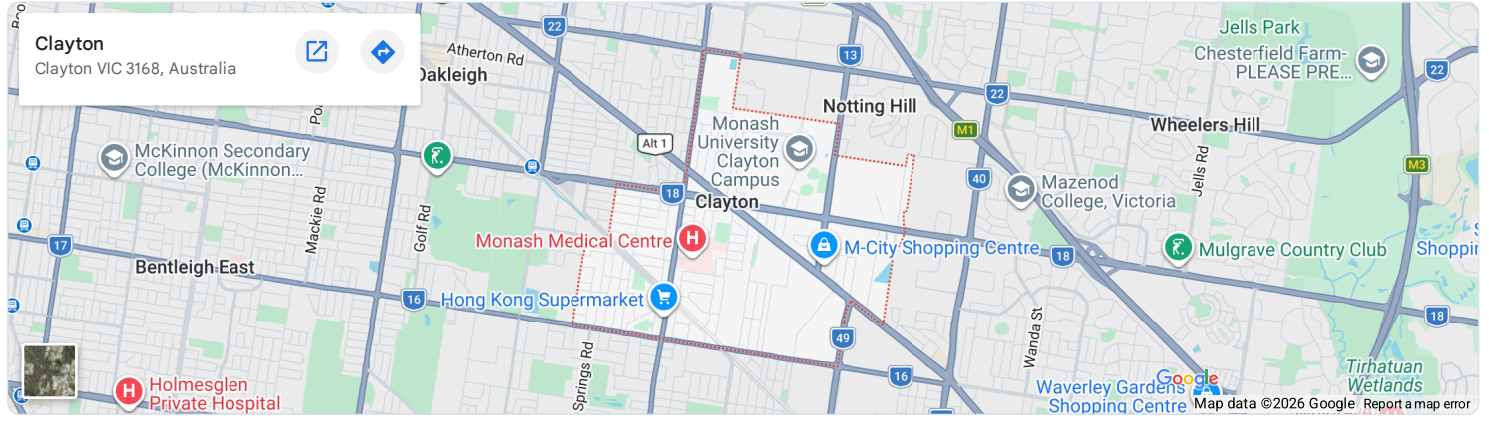
Generated: 20 May 2026 Suburb rank: #16 SCATS sites: 26 Postcode(s): 3168, 3169



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

Clayton contains 26 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 4,393,127,179 vehicle movements, or approximately 4,393.1M.

The busiest mapped SCATS location in Clayton is Princes Highway East / SPRINGVALE BYPASS / Westall, with 409,360,248 recorded movements across the historical period.

4,393.1M
Total mapped vehicle movements

26
Mapped SCATS sites

#16
Melbourne suburb movement rank

168,966,429
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.

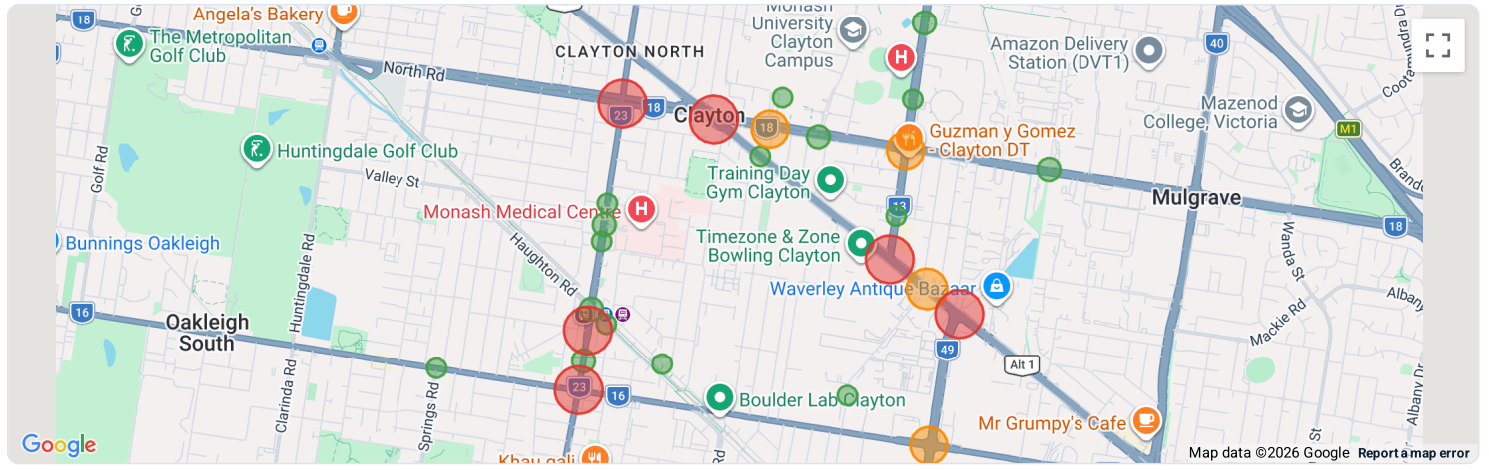
Top SCATS Sites in Clayton

#	SCATS ID	Location	Total movements	Millions	Rank
1	948	Princes Highway East / SPRINGVALE BYPASS / Westall PHE/SPRINGVALE BYPASS/Westall	409,360,248	409.4M	44
2	3198	Centre / Clayton CENTRE/CLAYTON	363,923,761	363.9M	86
3	2430	Princes Highway East / NORTH / WELLINGTON PHE/NORTH/WELLINGTON	344,220,706	344.2M	104
4	3570	Clayton / North CLAYTON/NORTH	313,936,558	313.9M	164
5	2431	Princes Highway East / BLACKBURN PHE/BLACKBURN	294,028,240	294.0M	201
6	3191	Clayton / Dunstan CLAYTON/DUNSTAN	294,019,569	294.0M	202
7	2432	Princes Highway East / MCNAUGHTON PHE/MCNAUGHTON	284,300,214	284.3M	234
8	3722	Blackburn / Wellington BLACKBURN/WELLINGTON	242,265,642	242.3M	407
9	2956	Westall / Centre WESTALL/CENTRE	239,334,229	239.3M	420
10	3720	Wellington / Monash University Bus Ent WELLINGTON/MONASH UNIVERSITY BUS ENT	215,235,329	215.2M	577

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 Clayton. 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: 26. 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

Princes Highway East / SPRINGVALE BYPASS / Westall
 409,360,248 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

Clayton ranks **#16** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Clayton
- Princes
- High
- Blackburn
- Wellington
- Westall
- MCNAUGHTON
- Monash University

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
948	Princes Highway East / SPRINGVALE BYPASS / Westall	PRINCES HWY EAST/SPRINGVALE BYPASS/Westall	409,360,248
3198	Centre / Clayton	CENTRE/CLAYTON	363,923,761
2430	Princes Highway East / NORTH / WELLINGTON	PRINCES HWY EAST/NORTH/WELLINGTON	344,220,706
3570	Clayton / North	CLAYTON/NORTH	313,936,558
2431	Princes Highway East / BLACKBURN	PRINCES HWY EAST/BLACKBURN	294,028,240
3191	Clayton / Dunstan	CLAYTON/DUNSTAN	294,019,569
2432	Princes Highway East / MCNAUGHTON	PRINCES HWY EAST/MCNAUGHTON	284,300,214
3722	Blackburn / Wellington	BLACKBURN/WELLINGTON	242,265,642
2956	Westall / Centre	WESTALL/CENTRE	239,334,229
3720	Wellington / Monash University Bus Ent	WELLINGTON/MONASH UNIVERSITY BUS ENT	215,235,329
3206	Clayton / Haughton / Carnish	CLAYTON/HAUGHTON/CARNISH	205,321,556
1093	Wellington / Nantilla	WELLINGTON/NANTILLA	203,375,127
3721	Wellington / Monash University Ent	WELLINGTON/MONASH UNIVERSITY ENT	169,718,126
3208	Clayton / Monash Medical Centre	CLAYTON/MONASH MEDICAL CENTRE	145,212,005
363	Blackburn / Duerdin	BLACKBURN/DUERDIN	142,795,972
3197	CLAYTON near DUNSTAN	CLAYTON NR DUNSTAN	120,733,103
2292	Princes Hwy / Cobain St	Princes Hwy / Cobain St	89,305,535
2960	Centre / Springs	CENTRE/SPRINGS	89,029,295
1817	Blackburn Road / Connam Avenue	Blackburn Road / Connam Avenue	57,103,836
1873	Blackburn Rd / Synchrotron Access / Heart Hospital Access	Blackburn Rd / Synchrotron Access / Heart Hospital Access	54,861,510
1836	Clayton Road / Dixon Street / Shandeanu Avenue	Clayton Road / Dixon Street / Shandeanu Avenue	42,040,205
3205	CLAYTON near COLONEL	CLAYTON NR COLONEL	29,256,582
2085	Carnish Rd near Kanooka Grove	Carnish Rd near Kanooka Grove	25,888,287
3211	MCNAUGHTON near TORTEVAL	MCNAUGHTON NR TORTEVAL	16,264,257
2532	Haughton Road nr Thomas St (Bus Lane)	Haughton Road nr Thomas St (Bus Lane)	1,405,161
4705	Ring Road South At Monash Uni	RING ROAD SOUTH AT MONASH UNI	192,126

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>