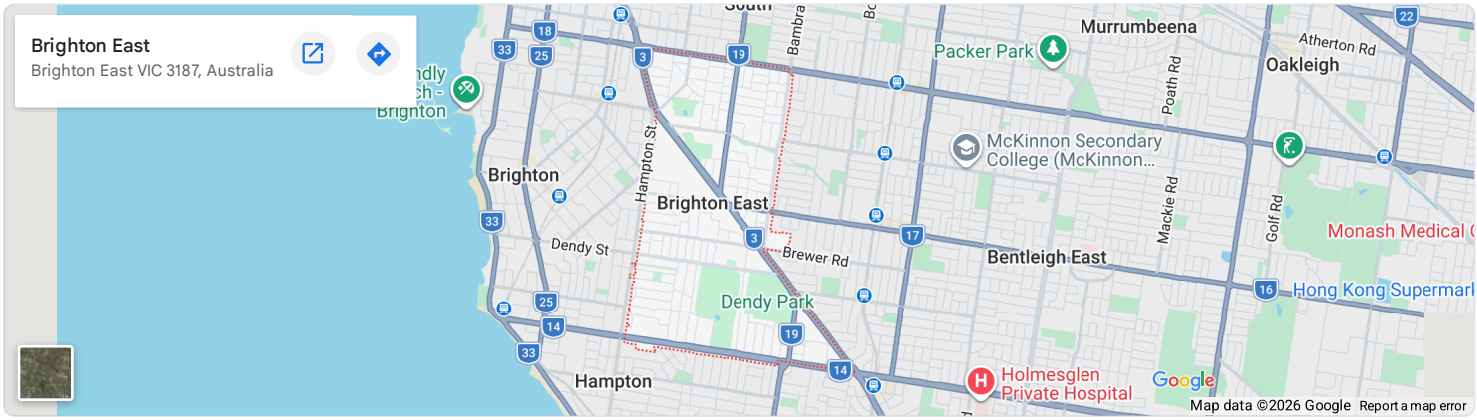
Brighton East
Traffic Intelligence Profile

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: #50 | SCATS sites: 16 | Postcode(s): 3162, 3187

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

Brighton East contains **16** mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for **2,907,895,563** vehicle movements, or approximately **2,907.9M**.

The busiest mapped SCATS location in Brighton East is **Nepean / Cummins / Patterson**, with **403,381,671** recorded movements across the historical period.

2,907.9M	16	#50	181,743,472
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.

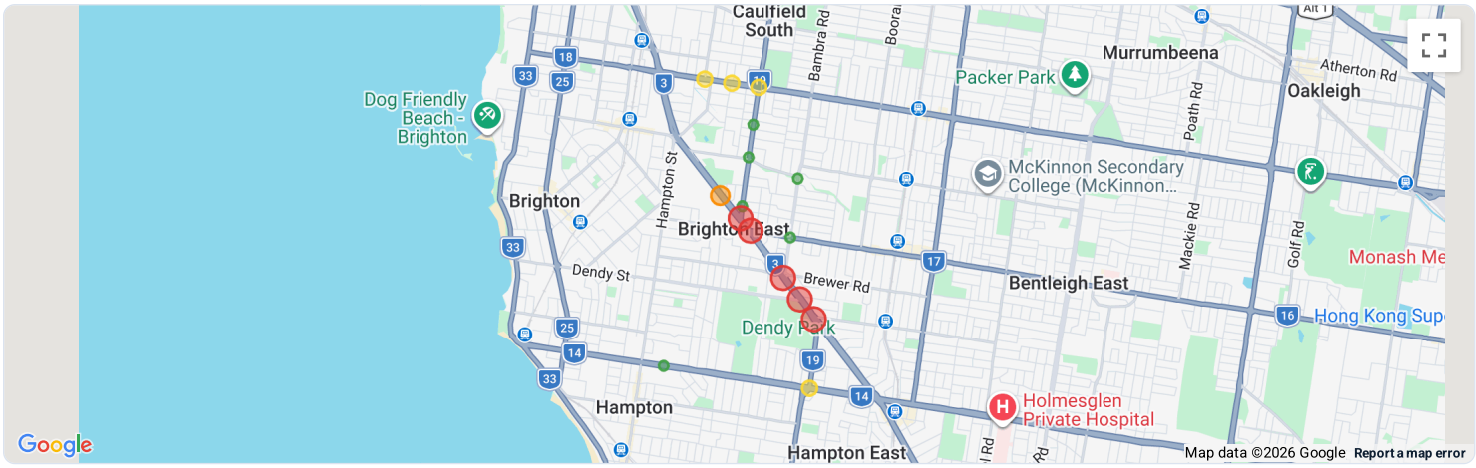
Top SCATS Sites in Brighton East

#	SCATS ID	Location	Total movements	Millions	Rank
1	2337	**Nepean / Cummins / Patterson** NEPEAN/CUMMINS/PATTERSON	403,381,671	403.4M	48
2	2336	**Nepean / Dendy** NEPEAN/DENDY	368,801,497	368.8M	79
3	2320	**Nepean / Centre** NEPEAN/CENTRE	347,501,419	347.5M	101
4	2321	**Nepean / Marriage / Thomas** NEPEAN/MARRIAGE/THOMAS	332,405,549	332.4M	129
5	2319	**Nepean / Hawthorn** NEPEAN/HAWTHORN	314,547,233	314.5M	162
6	2335	**NEPEAN near ARNOT** NEPEAN NR ARNOT	194,054,063	194.1M	783
7	3553	**North / Hawthorn** NORTH/HAWTHORN	178,304,857	178.3M	936
8	3551	**North / Kooyong** NORTH/KOOYONG	170,142,820	170.1M	1028
9	3634	**South / Bluff / Cummins** SOUTH/BLUFF/CUMMINS	148,075,190	148.1M	1310
10	3552	**NORTH near LANDCOX** NORTH NR LANDCOX	125,831,809	125.8M	1682

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 **Brighton East**. 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: **16**. 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 / Cummins / Patterson
403,381,671 vehicle movements
Open busiest site in Google Maps

Suburb Rank

Brighton East ranks **#50** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Nepean
- Thomas
- Hawthorn
- Cummins
- Union
- HAWTHORN
- Patterson
- Dendy

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
2337	Nepean / Cummins / Patterson	NEPEAN/CUMMINS/PATTERSON	403,381,671
2336	Nepean / Dendy	NEPEAN/DENDY	368,801,497
2320	Nepean / Centre	NEPEAN/CENTRE	347,501,419
2321	Nepean / Marriage / Thomas	NEPEAN/MARRIAGE/THOMAS	332,405,549
2319	Nepean / Hawthorn	NEPEAN/HAWTHORN	314,547,233
2335	NEPEAN near ARNOT	NEPEAN NR ARNOT	194,054,063
3553	North / Hawthorn	NORTH/HAWTHORN	178,304,857
3551	North / Kooyong	NORTH/KOOYONG	170,142,820
3634	South / Bluff / Cummins	SOUTH/BLUFF/CUMMINS	148,075,190
3552	NORTH near LANDCOX	NORTH NR LANDCOX	125,831,809
3959	Centre / Thomas	CENTRE/THOMAS	92,953,725
3633	SOUTH near HAMPTON	SOUTH NR HAMPTON	65,234,731
2386	Thomas Street near Union Street	Thomas Street near Union Street	46,505,558
3546	Hawthorn / Union	HAWTHORN/UNION	44,196,220
3962	HAWTHORN near CLIVE	HAWTHORN NR CLIVE	40,420,946
3961	HAWTHORN near CHARLES	HAWTHORN NR CHARLES	35,538,275

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	539,021,000,000	148/148	2014–2026
Cleaned 15-minute SCATS observations	Total cleaned vehicle movements analysed platform-wide	Expected months processed in the reporting window	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**