

# Cheltenham 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: #20 SCATS sites: 27 Postcode(s): 3192, 3194, 3202



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

Cheltenham contains 27 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 4,221,161,101 vehicle movements, or approximately 4,221.2M.

The busiest mapped SCATS location in Cheltenham is Nepean / Bay / Karen, with 444,606,362 recorded movements across the historical period.

**4,221.2M**  
Total mapped vehicle movements

**27**  
Mapped SCATS sites

**#20**  
Melbourne suburb movement rank

**156,339,300**  
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.

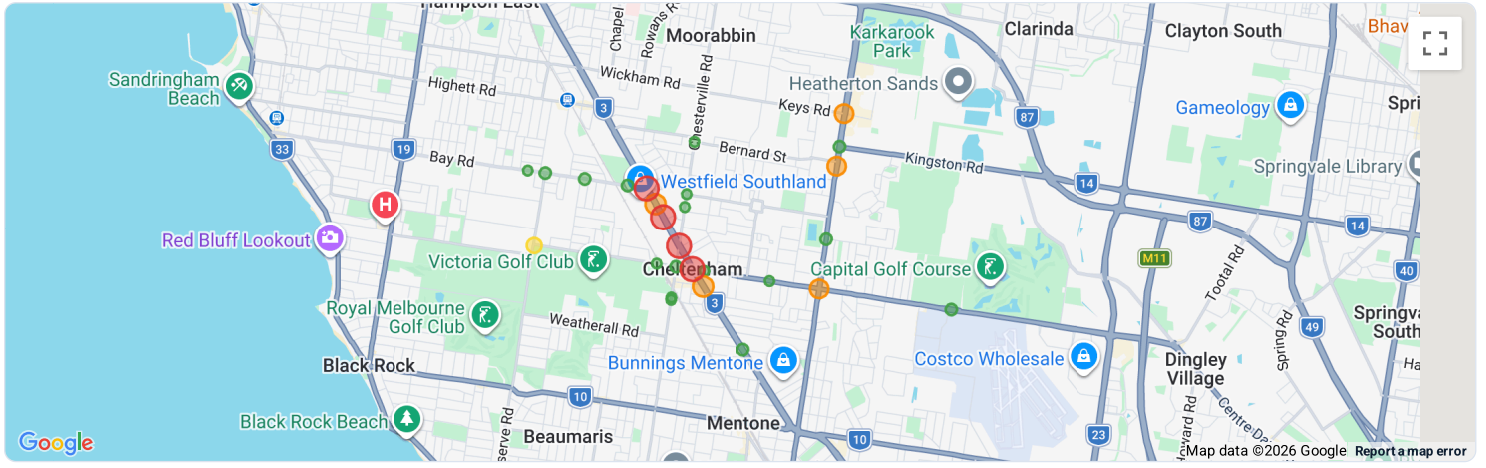
## Top SCATS Sites in Cheltenham

#	SCATS ID	Location	Total movements	Millions	Rank
1	2326	Nepean / Bay / Karen NEPEAN/BAY/KAREN	444,606,362	444.6M	29
2	2327	Nepean / Chesterville / Charman NEPEAN/CHESTERVILLE/CHARMAN	318,729,077	318.7M	151
3	2328	Nepean / Centre Dandenong NEPEAN/CENTRE DANDENONG	315,813,854	315.8M	158
4	2340	Nepean / Southland Shopping NEPEAN/SOUTHLAND SHOPPING	292,370,367	292.4M	208
5	2339	Nepean / Southland Nth Ent NEPEAN/SOUTHLAND NTH ENT	285,931,041	285.9M	226
6	2334	Nepean / Station NEPEAN/STATION	274,690,126	274.7M	276
7	3700	Warrigal / Centre Dandenong WARRIGAL/CENTRE DANDENONG	200,434,024	200.4M	722
8	3697	Warrigal / Keys / Corporate WARRIGAL/KEYS/CORPORATE	194,191,638	194.2M	781
9	3699	Warrigal / Bernard WARRIGAL/BERNARD	190,652,360	190.7M	816
10	3653	Reserve / Park / Tulip RESERVE/PARK/TULIP	164,769,049	164.8M	1092

**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 **Cheltenham**. 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 / Bay / Karen**  
 444,606,362 vehicle movements  
[Open busiest site in Google Maps](#)

### Suburb Rank

Cheltenham ranks **#20** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

### Likely Dominant Corridors

- Nepean
- Bay
- Warrigal
- Chesterville
- Dandenong
- Charman
- Bernard
- Reserve

**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
2326	Nepean / Bay / Karen	NEPEAN/BAY/KAREN	444,606,362
2327	Nepean / Chesterville / Charman	NEPEAN/CHESTERVILLE/CHARMAN	318,729,077
2328	Nepean / Centre Dandenong	NEPEAN/CENTRE DANDENONG	315,813,854
2340	Nepean / Southland Shopping	NEPEAN/SOUTHLAND SHOPPING	292,370,367
2339	Nepean / Southland Nth Ent	NEPEAN/SOUTHLAND NTH ENT	285,931,041
2334	Nepean / Station	NEPEAN/STATION	274,690,126
3700	Warrigal / Centre Dandenong	WARRIGAL/CENTRE DANDENONG	200,434,024
3697	Warrigal / Keys / Corporate	WARRIGAL/KEYS/CORPORATE	194,191,638
3699	Warrigal / Bernard	WARRIGAL/BERNARD	190,652,360
3653	Reserve / Park / Tulip	RESERVE/PARK/TULIP	164,769,049
3698	Warrigal / Kingston	WARRIGAL/KINGSTON	161,887,423
2356	NEPEAN Highway near OAK	NEPEAN HWY NR OAK	140,598,062
3139	Centre Dandenong / Kingston Central	CENTRE DANDENONG/KINGSTON CENTRAL	132,842,563
3704	Warrigal / Farm	WARRIGAL/FARM	125,126,311
4864	Bay / Reserve	BAY/RESERVE	120,769,508
2341	Bay / Cheltenham Market	BAY/CHELTHENHAM MARKET	110,646,021
2318	BAY near JACK	BAY NR JACK	106,750,180
4626	Charman / Park	CHARMAN/PARK	102,546,879
4625	Chesterville / Argus / Tennyson	CHESTERVILLE/ARGUS/TENNYSON	94,662,917
2345	CENTRE DANDENONG near NEPEAN	CENTRE DANDENONG NR NEPEAN	92,647,563
4624	Chesterville / Bernard	CHESTERVILLE/BERNARD	76,134,753
1358	Bay / Western Access	BAY/WESTERN ACCESS	74,573,208
2348	CHARMAN near STATION	CHARMAN NR STATION	54,268,176
1947	Park Road near Churchill Avenue	Park Road near Churchill Avenue	51,591,673
4637	CHESTERVILLE near RADCLIFFE	CHESTERVILLE NR RADCLIFFE	50,260,361
4627	CHARMAN near GLEBE	CHARMAN NR GLEBE	43,667,603
3140	CENTRE DANDENONG near COOLAC	CENTRE DANDENONG NR COOLAC	2

## 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>