



Pilbara Traffic Digest

2020/21 - 2025/26





Information Sheet

Traffic Digest

Overview

This report summarises the average number of vehicles and heavy vehicles travelling at locations within Western Australia. Traffic volumes and percentage of heavy vehicles are provided for the latest available six years.

Main Roads undertakes traffic counting throughout Western Australia. Strategic locations are monitored on a continuous basis and are referred to as Network Performance Sites (NPS). Sampling of the wider network is performed using portable equipment over a short period. Although many Local Government roads are counted the focus is on providing information about the State road network.

Using the report

The traffic volumes in this report are expressed as the average number of vehicles at each location on a typical weekday (Monday to Friday) for the metropolitan area, and a typical day (Monday to Sunday) for regions outside the metropolitan area.

Where sufficient information is available from continuous monitoring sites the short term samples can be adjusted to remove the effect of seasonal variation.

If multiple counts have occurred at the same location within a given year, for example before and after a network change, only the latest count is used.

The count type may vary at the location between axle counts and classification counts. Axle counts record the number of axle hits at a site divided by two. This method gives an indicative number of vehicles, assuming all vehicles have only two axles. Locations where axle counts are used are those where there is very little freight movement.

Classification counts detect the axle configuration of each vehicle and determine the type of vehicle being counted (using the [AustRoads 1994 Classification Scheme](#)). This method of counting gives the actual number of vehicles at the location and can be identified in the report by the presence of a value in the right column of each year. This value is the proportion of heavy vehicles (which include buses, trucks and road trains). Speed information can also be obtained from these collections.

Changes to the road network may affect traffic volumes. For example, the extension of a freeway or closure of a road may affect traffic behaviour on surrounding roads. To assist in identifying these a list of major network changes is included at the end of the report. This list is not exhaustive and is predominantly changes to roads managed by Main Roads Western Australia (known as state roads).

Public holidays are excluded and vehicles numbers are rounded to the nearest ten. All years reported are financial years, commencing 1 July and ending 30 June. The State is divided for reporting using [Main Roads regions](#) or Local Government boundaries.

Further information

If you require further information please email reportingcentre@mainroads.wa.gov.au or telephone 08 9323 4653 (9am to 5pm, Monday to Friday)



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Report Sample

| South West | | 2004/05 | 2005/06 | 2006/07 |
|------------------------|----------------------------|------------|-------------|------------|
| Road Name | Location | | | |
| Peelwood Pde | N of Old Coast Rd | | | |
| Pemberton NorthLife Rd | S of Vasse Hwy | | | |
| | N of Rifle Range Rd | | | |
| | N of Richardson Rd | | | |
| Penn Ct | W of South Western Hwy | 370 5.0 | 420 4.6 | 400 5.5 |
| Peppermint Grove Rd | E of Old Coast Rd | | | 200 13.2 |
| Perup Rd | E of South Western Hwy | | 1 730 4.5 | 1 740 5.6 |
| Phillips Ct | E of Hampton St | | 660 3.3 | |
| Plavinski Rd | S of Coalfields Rd | 320 12.4 | | |
| Pingara Rd | E of Mandurah Rd | | 25 770 | 22 030 |
| | E of Lakes Rd | | | |
| | W of Rio Grande Av | 21 090 3.9 | | |
| | E of Riverside Rd | | 19 710 | |
| | E of Ranbyn Rd | 15 280 5.0 | 17 110 7.0 | 17 140 7.9 |
| | W of Webster Wy | 19 070 4.9 | | |
| | W of Tankin Cr | 13 960 5.9 | | |
| | E of Tankin Cr | 13 130 6.0 | | |
| | At Ravenswood Bridge | 12 580 | 11 130 5.5 | 13 620 5.9 |
| | E of Flagant Rd | | 12 510 6.4 | |
| | E of Jolly Rambler Blvd | 11 550 6.1 | | |
| | W of George St | | 8 960 8.1 | 9 630 7.8 |
| | W of Choll St | | | |
| | W of Anstruther Rd | | 2 820 17.2 | 2 550 18.0 |
| | E of Anstruther Rd | | | |
| | W of Mandurah Rd | 2 090 3.8 | | |
| Pingara Williams Rd | S of South Western Hwy | | 9 940 3.2 | |
| | S of Satter St | | | |
| | E of Napier Rd | | | |
| | W of Seap Rd | 2 760 7.0 | 2 410 6.5 | 2 030 8.0 |
| | E of Farley Rd | | 10 020 | 6 610 3.5 |
| | W of Nanga Brook Rd | | | 6 980 |
| | E of Nanga Brook Rd | 7 930 | | |
| | E of Plant Access Rd | | | |
| | W of Bannister Mandong Rd | | 10 670 10.8 | |
| | E of Bannister Mandong Rd | | | |
| | N of Chernys Rd | | 14 120 8.4 | |
| Pollard Rd | W of Bannister Rd | | 750 4.1 | 690 7.9 |
| Prinsep Ct | N of Rowlands Lake King Rd | 3 670 2.8 | | |
| Pritchard Ct | W of South Western Hwy | | 3 150 5.4 | 3 450 6.1 |
| Beach Rd | W of Jan | 2 110 10.5 | 2 080 11.6 | 2 090 11.4 |
| Beela Rd | E of Sou | 1 660 4.3 | | |
| Binningup Rd | W of Ol | 1 510 18.2 | | |
| Blackwood Av | N of Ell | 3 510 2.6 | 3 840 3.8 | |
| Blackwood Rd | S of Sou | 2 710 7.8 | 3 090 5.8 | 3 500 8.2 |

Seasonal Adjustment

Years with this symbol cannot be adjusted to remove the effect of seasonal variation. The volumes reported are from samples taken over a short period and may not represent typical behaviour.

Continuous Monitoring

Network Performance Sites (NPS) provide continuous monitoring, 24 hours a day, 7 days a week.

Percentage of Heavy Vehicles

Classification counts record the composition of the traffic and the percentage of heavy vehicles is shown on the report where a count of this type has been used.

Traffic Statistics

The traffic volumes can be calculated to represent the average number of vehicles on a weekday (Monday to Friday, M-F) or daily (Monday to Sunday, M-S).

Pilbara

| Road Name | Location | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2025/26 |
|------------------------|---------------------------------|------------|------------|------------|------------|------------|---------|
| A | | | | | | | |
| Airport Access Rd | W of GNH (Southern Acc) | | | | | 1 060 18.4 | |
| B | | | | | | | |
| Bayview Rd | E of Bathgate Rd | 6 490 1.8 | | 7 050 7.7 | | | |
| Beasley Rd | N of El Caballo Rd | | | 170 44.1 | | | |
| Bingarn Rd | S of Area W Access Rd | | | | 750 20.7 | | |
| Burrup Peninsula Rd | N of Dampier Rd NPS | | 2 960 26.0 | 3 040 26.9 | 3 360 30.4 | 3 730 34.3 | |
| Burrup Rd | N of Dampier Rd | | | | 3 620 30.0 | | |
| | N of Village Rd | 1 410 75.4 | | 1 740 17.8 | 1 880 27.3 | | |
| Buttweld Rd | S of Great Northern Hwy | 1 200 25.3 | | 1 500 19.0 | 1 290 9.8 | | |
| C | | | | | | | |
| Cleaverville Rd | S of Harding St | 2 270 43.6 | | | | | |
| Cooke Point Rd | N of Wilson St | 4 570 14.2 | | 4 780 8.4 | | | |
| D | | | | | | | |
| Dampier Rd | E of Broadhurst Rd | 15 570 8.3 | | 15 090 6.8 | | | |
| | N of Madigan Rd NPS | | | 8 680 14.7 | 9 090 15.9 | 9 840 18.6 | |
| | N of Burrup Rd | | | 4 840 9.2 | 5 050 36.9 | | |
| Doradeen Rd | N of West Rd | | | | 1 330 37.7 | | |
| G | | | | | | | |
| Great Northern Highway | S of Powell Rd | 2 980 80.9 | | | 3 360 46.5 | | |
| | N of Powell St | | | | 4 730 27.2 | | |
| | W of Pinga St | 3 510 44.5 | | | 4 360 36.4 | | |
| Great Northern Hwy | N of Newman Airport Access Rd | | | | 2 040 28.7 | | |
| | N of Newman Airport NPS | | 2 440 35.0 | 2 330 35.4 | 2 340 36.0 | 2 650 35.9 | |
| | N of Marble Bar Rd (Newman) | | | | 4 230 27.2 | | |
| | N of Newman Dr | 2 010 84.5 | | | | | |
| | W of Giles Point Rd | | | | 1 030 47.1 | 970 49.3 | |
| | S of Karijini Dr NPS | 800 65.2 | 1 010 71.6 | 1 000 74.5 | 1 000 74.6 | | |
| | N of Munjina Rd NPS | | 1 190 77.8 | 1 020 78.4 | 980 77.1 | 980 77.6 | |
| | N of Solomon Rail Crossing | | | | 1 710 56.7 | | |
| | S of Wodgina NPS | | 1 380 76.2 | 1 170 78.1 | 1 090 76.9 | 1 110 75.1 | |
| | S of North West Coastal Hwy NPS | 1 630 67.1 | 1 580 70.7 | 1 520 68.0 | 1 480 63.8 | 1 560 61.6 | |
| | N of North West Coastal Hwy NPS | 1 990 60.1 | 2 080 59.6 | 1 950 60.5 | 1 840 61.6 | | |
| | S of Powell Rd NPS | | 3 320 47.7 | 2 970 49.4 | 2 750 51.6 | 2 640 50.7 | |
| | E of Pinga St | | | | 3 750 33.5 | | |
| | E of Madigan Rd | | 2 680 48.6 | | | | |
| | W of Marble Bar Rd NPS | 1 330 38.7 | 1 730 47.5 | 1 710 52.4 | 1 700 54.5 | 1 690 53.8 | |
| | E of Marble Bar Rd | 410 63.2 | | | 570 32.2 | | |
| H | | | | | | | |
| Hamilton Rd | S of North Circular Rd | 4 710 57.3 | | 9 230 10.5 | | | |
| K | | | | | | | |
| Karijini Dr | W of Great Northern Hwy NPS | 420 46.0 | 400 43.4 | 370 45.3 | 400 47.6 | 420 48.1 | |
| | W of Marandoo Access Rd NPS | | 960 39.9 | 800 41.1 | 820 42.7 | 830 43.8 | |
| Karratha Tom Price Rd | S of North West Coastal Hwy NPS | 440 35.7 | 470 33.3 | 560 36.3 | 540 33.2 | 590 34.2 | |

Pilbara

| Road Name | Location | | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2025/26 |
|--------------------------|--------------------------------|-----|------------|------------|------------|------------|------------|---------|
| M | | | | | | | | |
| Madigan Rd | S of Dampier Rd | NPS | 1 850 33.7 | 2 120 33.0 | 2 280 35.2 | 2 360 36.5 | 2 480 38.1 | |
| Manuwarra Red Dog Hwy | N of Tom Price | NPS | 400 38.7 | 350 31.0 | 310 28.9 | 360 31.7 | 340 32.8 | |
| Marble Bar Rd | N of Great Northern Hwy | NPS | 870 36.7 | 910 38.2 | 980 35.9 | 890 37.1 | 960 38.3 | |
| | S of Ethel Creek Jigalong Rd | | 260 81.8 | | | 430 37.1 | 370 31.6 | |
| | S of Munjina Roy Hill Rd | | | | | 330 34.4 | 330 54.7 | |
| | N of Fortescue River | NPS | 260 51.4 | 320 50.5 | 460 45.7 | 320 48.3 | 310 50.5 | |
| | S of Skull Springs Rd | | 320 43.2 | | | 110 8.3 | 110 13.1 | |
| | S of Ripon Hills Rd | | 40 27.8 | | | 70 9.0 | 60 35.1 | |
| | N of Limestone Marble Bar Rd | | 430 40.9 | | | 480 56.9 | | |
| | S of Great Northern Hwy | NPS | 290 56.5 | 480 70.5 | 520 70.6 | 540 75.0 | 530 76.4 | |
| McGregor St | W of Crawford St | | | | 4 090 10.0 | | | |
| Mine Rd | E of Paraburdoo Tom Price | | | | | 2 680 15.6 | | |
| | S of Bingarn Rd | | | | | 3 370 20.4 | | |
| | W of Doradeen Rd | | | | | 3 570 42.1 | | |
| Mooligunn Rd | E of Cherratta Rd | | 2 710 8.6 | | 2 760 31.0 | | | |
| Moore St | W of Jacoby St | | 110 14.2 | | 90 23.9 | | | |
| Munjina Rd | W of Great Northern Hwy | NPS | 270 47.3 | 290 50.7 | 110 44.0 | 120 44.8 | 110 47.2 | |
| Murdoch Dr | E of Demarchi Rd | | 4 120 8.2 | | 4 360 9.1 | | | |
| Mystery Rd | E of Maitland Rd | | 490 4.5 | | 490 2.1 | | | |
| N | | | | | | | | |
| Nanutarra Munjina | E of Mt Stuart Red Hill Rd | | | | | 210 26.9 | | |
| | E of Wyloo Kooline Rd | | | | | 210 25.0 | | |
| Nanutarra Rd | E of North West Coastal Hwy | NPS | 130 24.8 | 130 27.8 | 160 38.6 | 210 46.8 | 150 37.7 | |
| | N of Nameless Valley Dr | | | 30 34.6 | | 390 32.5 | | |
| | W of Nameless Valley Dr | | | | 220 45.4 | 190 23.5 | | |
| Nickol Rd | S of Bayview Rd | | 3 120 1.2 | | 2 820 6.8 | | | |
| North West Coastal Hwy | S of Nanutarra Rd | | 340 34.3 | | 750 26.8 | 500 37.4 | | |
| | S of Onslow Rd | NPS | 400 33.6 | 410 36.3 | 440 41.0 | 500 45.6 | 450 43.4 | |
| | N of Onslow Mount Stuart Rd | | | | 320 31.9 | 590 46.6 | | |
| | S of Yarraloola Rd | | 410 56.8 | | 670 31.8 | | 920 38.9 | |
| | N of Pannawonica Rd | | 440 73.9 | | 790 58.0 | 770 30.8 | 840 24.5 | |
| | S of Madigan Rd | NPS | 790 31.1 | 850 32.0 | 880 32.3 | 930 35.2 | 890 36.2 | |
| | S of Point Samson Roebourne Rd | NPS | 2 200 24.4 | | 2 550 18.5 | 2 680 19.9 | 2 650 21.4 | |
| | S of Harding St | | 2 270 43.6 | | | | | |
| | E of Roebourne Wittenoom Rd | | | | | 850 33.6 | | |
| | W of Great Northern Hwy | NPS | | | 590 39.6 | 650 39.4 | 630 41.7 | |
| O | | | | | | | | |
| Onslow Rd | S of Twitchin Rd | NPS | | | 250 52.2 | 440 57.4 | 420 61.0 | |
| | N of Ansia Access Rd | NPS | | | 480 24.1 | 800 25.1 | 1 010 24.6 | |
| P | | | | | | | | |
| Pannawonica Rd | E of North West Coastal Hwy | | 240 61.7 | | 260 33.9 | | 300 28.0 | |
| Paraburdoo Tom Price Rd | N of Paraburdoo | NPS | | | 120 34.2 | 140 39.1 | 140 38.6 | |
| | S of Karijini Dr | NPS | | 670 31.1 | 650 32.7 | 690 33.7 | 680 32.5 | |
| | S of Tom Price | NPS | | 1 220 30.5 | 1 080 33.6 | 1 130 35.7 | 1 130 36.5 | |
| Parker St | S of North Circular Rd | | 2 030 55.4 | | 2 150 8.6 | | | |
| Point Samson Roeborne Rd | S of Thalgu Ent | | 1 980 51.6 | | | 2 490 19.5 | | |

Pilbara

| Road Name | Location | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2025/26 |
|---------------------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|---------|
| Point Samson Roebourne Rd | W of Honeymoon Rd | 880 6.7 | | 940 13.3 | | | |
| | N of Cape Lambert Rd | 1 180 68.8 | | 1 130 13.9 | | 1 290 10.8 | |
| | N of Wickham Dr | 1 600 51.3 | | 1 650 18.7 | | 2 030 14.2 | |
| | N of North West Coastal Hwy NPS | | 2 510 14.8 | 2 300 15.1 | 2 430 21.1 | 2 560 21.7 | |
| | N of Cleaverville Rd | 2 570 5.7 | | 2 550 14.6 | 2 620 12.9 | | |
| R | | | | | | | |
| Ripon Hills Rd | E of Marble Bar Rd NPS | 130 78.6 | 120 79.2 | 110 78.4 | 120 79.2 | 110 79.6 | |
| Robinson St | E of Thompson St | 660 2.3 | | 540 9.1 | | | |
| T | | | | | | | |
| Tom Price Paraburdoo Rd | W of Rocklea Rd | | | 840 15.9 | 930 23.7 | | |
| | N of Karijini Dr | | | | 1 270 21.3 | | |
| W | | | | | | | |
| Warrirda Rd | W of Onslow Rd NPS | | | 450 44.5 | 790 42.7 | 420 34.6 | |
| Wilson St | N of Great Northern Hwy | | | | 13 080 9.2 | | |
| | S of Cooke Point Rd NPS | 11 570 12.3 | 11 840 13.4 | 12 020 14.4 | 11 990 15.3 | 11 460 14.7 | |
| | W of Cooke Point Rd | | | | 9 520 10.2 | | |
| | E of Short St | | | | 7 810 20.0 | | |
| | W of Short St | | | 3 820 15.9 | 4 610 17.0 | | |