



Kimberley Traffic Digest

2018/19 - 2023/24





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			
	S of Satter St	9 940 3.2		
	E of Napier Rd			
	W of Seap Rd	2 760 7.0	2 410 6.5	2 030 8.0
	E of Farley Rd			
	W of Nanga Brook Rd	10 020	6 610 3.5	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).

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Road Name	Location	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
A							
Ashley St	S of Alfonsas St	2 500 9.6		2 210 19.5		1 740 6.4	
B							
Broome - Cape Leveque Rd	W of Beagle Bay Rd NPS	220 9.8	220 15.8				150 12.9
Broome Cape Leveque Rd	N of Manari Rd NPS						460 11.1
	S of Manari Rd				310 27.8		
	N of Manari Rd				240 15.3	300 10.4	
	S of Beagle Bay Rd			290 21.9	280 22.2		
Broome Rd	E of Cape Leveque Rd NPS	1 530 16.9	1 490 16.7	1 630 15.4	1 710 17.2	1 740 18.9	1 620 20.6
	S of Fairway Dr	3 470 22.4		4 040 19.5		4 090 14.8	
	S of Murray Rd					7 720 21.6	
	S of Gantheaume Point Rd	2 610 13.0		3 090 10.3		2 710 22.6	
	S of Kavite Rd					1 810 14.0	
C							
Cable Beach Rd East	E of Charles Rd	7 660 29.1		9 810 28.3		5 720 31.6	
D							
Derby Gibb River Rd	E of Derby Hwy NPS	200 17.2	190 16.2	170 16.3	210 19.5	230 20.5	190 19.4
Derby Hwy	N of Great Northern Hwy NPS	600 18.6	480 16.9	500 15.2	480 17.9		390 18.4
	S of Russ St	2 380 24.6		2 840 21.3		1 710 17.4	
	S of Wodehouse St			2 920 32.8			
F							
Frederick St	W of Herbert St	13 690 2.5		17 040 2.8		11 390 6.4	
G							
Gibb River Rd	W of Adcock St		50 29.4			660 23.2	
Gibb River Wyndham Rd	W of Great Northern Hwy NPS						20 12.5
Great Northern Hwy	S of Broome Rd NPS	490 27.2	430 29.9	440 26.6	470 28.1	430 30.0	410 31.6
	E of Derby Hwy NPS	470 32.8					250 31.6
	W of Derby Hwy NPS	570 20.2	570 20.6	580 18.9	620 20.9	660 24.1	660 28.4
	E of Fitzroy Crossing NPS	400 20.3	390 21.6	380 17.8	400 20.4	440 23.2	440 26.2
	E of Halls Creek NPS	430 24.7	340 24.1	340 21.4	360 22.5	380 25.1	240 22.3
	S of Victoria Hwy NPS	340 24.6	360 30.4	360 39.3	330 30.2	320 28.3	290 28.0
	N of Gibb River Wyndham Rd NPS	410 22.4	310 24.2				190 13.4
Gubinge Rd	S of Murray Rd					7 720 21.6	
	S of Gantheaume Point Rd	2 610 13.0		3 090 10.3		2 710 22.6	
Guildford St	W of Derby Rd	640 8.3					
Guy St	E of Port Dr	9 270 10.6		11 920 7.2		7 660 9.2	
J							
Jetty Rd	500m W of Elder St				1 210 10.2		
L							
Lullfitz Dr	N of Millington Rd	720 15.9		680 20.5		600 12.2	
M							
Marmion St	S of Archer St	1 010 9.8		1 550 12.1		710 5.8	
P							
Pembroke Rd	N of Dickson St	870 16.2				950 12.6	

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Road Name	Location	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Port Dr	S of Clementson St			4 900 26.4		3 780 14.2	
	S of Kavite Rd					1 810 14.0	
R							
Reid Rd	S of De Marchi Rd	3 190 6.2		4 330 17.0		3 070 9.1	
S							
Stanley St	E of Field St		3 010 22.8				
V							
Victoria Hwy	E of Great Northern Hwy	NPS 920 18.4	670 19.1	660 18.2	720 18.0	730 19.7	640 20.2
	W of Nt Border	NPS					120 27.6