



# Pilbara Traffic Digest

2014/15 - 2019/20







# 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](mailto: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 St	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 St	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 Rensijn 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			
Pingara Williams Rd	S of South Western Hwy	2 090 3.8		
	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 St	N of Rowlands Lake King Rd	3 670 2.8		
Pritchard St	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	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
<b>B</b>							
Bayview Rd	E of Bathgate Rd				6 310 7.6	6 330 3.0	
Bingarn Rd	S of Nanutarra Rd	380 35.4					
	N of Tom Price NPS			230 43.1	260 45.1	300 41.7	
	S of Killawarra Dr	840 25.2		360 38.4			
Burrup Rd	N of Dampier Rd		2 840 19.7				
	N of Hearson Cove Rd				2 600 16.0		
	N of Village Rd		1 410 19.4				
Butt Weld Rd	S of Great Northern Hwy	1 310 19.3				680 16.2	
<b>C</b>							
Carnarvon Tce	S of Withnell St				900 25.3		
Cleaverville Rd	S of Point Samson Roebourne Rd		1 960 19.1				
Cooke Point Rd	N of Wilson St	3 890 17.4				4 450 3.6	
<b>D</b>							
Dampier Rd	N of Madigan Rd NPS	8 950 17.1	7 840 15.7	7 310 16.2	7 240 15.9	7 470 16.0	
	E of Broadhurst Rd					14 660 20.2	
	N of Burrup Rd		3 640 9.1				
	N of Cinders Rd		5 770 17.7				
De Witt Rd	N of Mooligunn Rd		7 790 12.8				
<b>G</b>							
Great Northern Highway	S of Powell Rd		3 150 50.3		3 180 46.0		
	E of Utah Point Rd		3 530 42.8		3 080 33.7		
Great Northern Hwy	N of Newman Airport Access Rd			1 860 32.3			
	N of Marble Bar Rd (Newman)			2 370 26.8	2 850 24.5		
	N of Newman Dr			640 50.2			
	N of White Spring Rd	750 50.5					
	S of Yandi Mine Access Rd	770 53.0					
	S of Karijini Dr NPS		500 61.7	490 59.5	540 60.5	600 61.7	
	S of Munjina Rd	720 67.6					
	S of Solomon Spur Rail Crossing		810 58.7				
	Fmg Solomon Spur Rail Crossing			1 250 42.6	1 050 50.9		
	N of Solomon Rail Crossing	1 380 48.7		1 330 44.0		1 330 45.5	
	S of North West Coastal Hwy NPS		1 650 65.1	1 540 75.5	1 490 74.1	1 590 67.0	
	N of North West Coastal Hwy NPS	1 930 61.0	1 890 65.7	2 000 67.3	1 920 64.2	1 850 61.9	
	W of Port Hedland Rd NPS	3 590 34.8	2 980 34.5	2 870 32.5		2 650 31.0	3 320 28.8
	E of Wilson St	4 780 27.7					
	S of Port Hedland Airport Access Rd	5 440 26.3	8 830 14.7				
	S of Stirrup Iron St	3 310 42.2					
	S of Port Haven Village Access Rd		2 390 30.1				
	E of Madigan Rd		1 600 39.8		4 100 7.6	1 170 52.9	
	W of Marble Bar Rd NPS		1 350 41.5	1 260 39.2	1 120 33.5	1 110 32.6	
	E of Marble Bar Rd	470 33.5					
	E of Cape Keraudren Rd	340 29.9					
<b>H</b>							
Hamilton Rd	S of Great Northern Hwy	4 740 20.1					3 920 32.7
	S of North Circular Rd						8 790 6.7

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Road Name	Location	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
<b>K</b>							
Karijini Dr	W of Great Northern Hwy <span>NPS</span>	290 43.4	280 41.4	280 41.0	290 39.9	330 42.4	
	E of Hamersley Mount Bruce Rd	470 30.0					
	W of Hamersley Mount Bruce Rd	460 36.1					
	E of Paraburdoo Tom Price Rd	590 34.1					
Karratha Tom Price Rd	S of North West Coastal Hwy <span>NPS</span>			280 40.9	330 41.0	340 41.0	
<b>L</b>							
Limestone Marble Bar Rd	W of Marble Bar Rd			190 19.4			
Link Rd (South Hedland)	S of Powell Rd						2 750 17.6
<b>M</b>							
Madigan Rd	S of Dampier Rd <span>NPS</span>	1 810 35.7	1 720 38.5	1 820 35.1	1 760 36.5	1 760 35.6	
Marble Bar Rd	N of Great Northern Hwy <span>NPS</span>		810 38.4	670 34.6	710 35.0	720 35.2	
	S of Ethel Creek Jigalong Rd			220 41.8	360 33.8		
	S of Munjina Roy Hill Rd			210 44.9			
	N of Fortescue River <span>NPS</span>		310 53.3	190 49.7	220 51.4	230 48.9	
	S of Skull Springs Rd			120 36.7			
	N of Beatons Creek Access Rd			50 27.1			
	S of Ripon Hills Rd			190 54.6			
	N of Limestone Marble Bar Rd			220 44.9			
	S of Great Northern Hwy <span>NPS</span>	450 76.1	390 72.8	350 70.2		270 55.5	
McGregor St	W of Crawford St					1 810 10.3	
Mine Rd	S of Bingarn Rd	3 410 18.4					
	W of West Rd	3 490 22.6					
Mooligunn Rd	E of Cherratta Rd				450 17.9		1 010 13.4
Moore St	W of Jacoby St				170 10.3	90 19.1	
Munjina Rd	W of Great Northern Hwy <span>NPS</span>			60 45.9	90 34.8	80 40.7	
	W of Great Northern Hwy	120 40.9					
Mystery Rd	E of Maitland Rd				460 4.4		520 2.9
<b>N</b>							
Nanutarra Rd	E of North West Coastal Hwy <span>NPS</span>	130 25.2	110 25.0	100 23.1	120 25.6	130 27.3	
	W of Ashburton Downs Rd			130 24.4			
	W of Tom Price Rd	140 21.0					
	N of Paraburdoo Tom Price Rd	60 19.6					
	N of Nameless Valley Dr				200 56.9		
	W of Nameless Valley Dr	240 25.4		250 47.2			
	W of Karratha Tom Price Rd	300 35.2					
	E of Tom Price Railway Rd	120 35.8					
Nickol Rd	S of Bayview Rd				3 270 14.2	2 750 7.7	
North Circular Rd	E of Hamilton Rd						6 130 23.8
North West Coastal Hwy	N of Burkett Rd		650 27.9				
	S of Nanutarra Rd	560 34.2		360 38.1			560 26.3
	N of Nanutarra Rd		520 28.2				
	S of Onslow Rd <span>NPS</span>	410 46.4	430 44.1	320 40.1	370 37.2	360 35.6	
	S of Yarraloola Rd	500 38.9		610 35.6			
	N of Pannawonica Rd	890 31.1	600 31.3	690 37.9			440 45.6
	S of Madigan Rd <span>NPS</span>	820 34.9	820 32.3	780 29.9			
	E of Dampier Rd		2 470 19.9				

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Road Name	Location	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
	S of Point Samson Roebourne Rd <span>NPS</span>	2 430 26.4	2 440 23.8	2 370 23.3	2 440 23.9	2 510 24.7	
	S of Point Samson Roebourne Rd		1 960 19.1				
	W of Aerodrome Rd		640 24.7				
	E of Roebourne Wittenoom Rd				490 29.9		
	W of Great Northern Hwy <span>NPS</span>	620 36.1	560 33.2	510 34.8	550 32.9	560 33.8	

## O

Onslow Rd	S of Twitchin Rd <span>NPS</span>	280 59.5	220 52.0	190 43.3	180 41.4	160 32.7	270 34.1
	N of Twitchin Rd	1 270 23.2	250 32.7				
	N of Ansia Access Rd <span>NPS</span>	630 35.7	630 40.4	510 36.2	520 29.0	400 24.8	500 26.8
	N of Onslow Airport Rd	1 010 23.3					

## P

Pannawonica Rd	E of North West Coastal Hwy	370 42.0	190 31.9	200 42.9			230 44.3
Paraburdoo Rd	E of Nanutarra Rd	100 27.2					
Parker St	S of North Circular Rd				1 850 14.2	1 640 38.3	
Pinga St	S of Great Northern Hwy		3 780 29.4				
Point Samson Roebourne Rd	W of Honeymoon Rd				890 24.2	900 43.7	
	N of Wickham Dr					1 890 12.6	
	S of Wickham Dr		1 810 14.1				
	N of Cleaverville Rd				2 480 15.3	2 450 10.5	
Powell Rd	W of Hamilton Rd	3 140 42.9	2 300 19.1				2 550 19.7
	E of Hamilton Rd						2 220 16.3
	W of Pinga St						1 780 12.3

## R

Ripon Hills Rd	E of Marble Bar Rd <span>NPS</span>			80 79.3	100 76.0	140 81.2	
Robinson St	E of Thompson St					530 6.8	

## T

Tom Price Paraburdoo Rd	W of Rocklea Rd	620 17.2		670 21.8			
	N of Karijini Dr	1 090 21.6		1 040 25.5	770 24.2		
	S of Mine Rd	1 150 26.6					

## W

Wallwork Rd	S of Pinga St			9 980 10.9			11 470 3.8
Warlu Rd	S of North West Coastal Hwy		180 35.0				
	S of NWCH (Rtio Rail Crossing)						230 57.1
Warrirda Rd	W of Onslow Rd <span>NPS</span>	630 55.7	500 58.0	370 53.8	360 44.5	230 41.2	220 38.0
Wilson St	N of Great Northern Hwy	11 820 21.1		10 540 11.8			
	S of Cooke Point Rd <span>NPS</span>	11 000 13.3		10 400 12.7	10 770 12.9	10 830 12.2	
	W of Cooke Point Rd	9 100 15.0	8 850 14.7				
	E of Coolinda St	6 940 23.9					
	E of Short St	5 450 23.4		5 020 19.9			
	W of Short St	4 560 26.7			3 560 17.6	6 450 17.0	
Wodgina Access	At Fmg Rail Crossing	210 50.5					