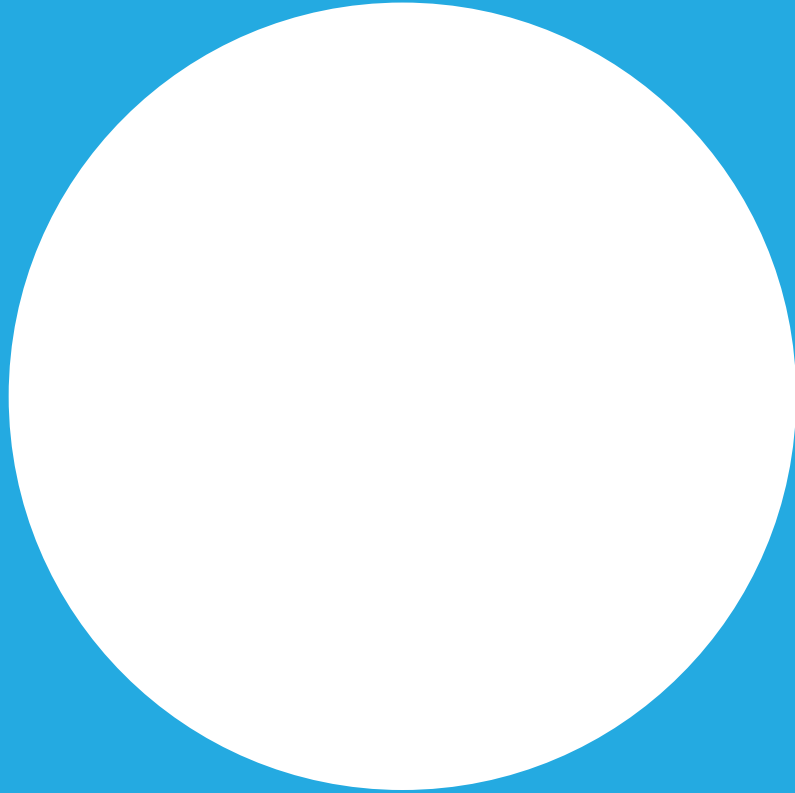


A program by



BICYCLE
NETWORK



SUPER TUESDAY NORTH

COMMUTER BIKE COUNT

PALMERSTON

OCTOBER 2016



SUPER TUESDAY

Count Summary in Palmerston

**6 Sep
2016**
6:30-8:30am

8
COUNT SITES

279
TOTAL TRIPS

COUNT IN 2016

p. 1

The Super Tuesday North Commuter Bike Count was conducted on Tuesday 6 September 2016 from 6:30am to 8:30am.

It was a warm, dry and sunny morning in Palmerston on the day of the count reaching a temperature of 26 degrees at 8:30am.

COUNT LOCATIONS

p. 3

8 sites were surveyed in Palmerston.

TRAFFIC FLOW

p. 4

A total of 279 trips were recorded across all sites within the municipality during the two-hour survey.



CONTRIBUTION

By participating in the count, volunteer counters can choose a local community group to make a donation of \$50 to a charity or non-profit of their choice.

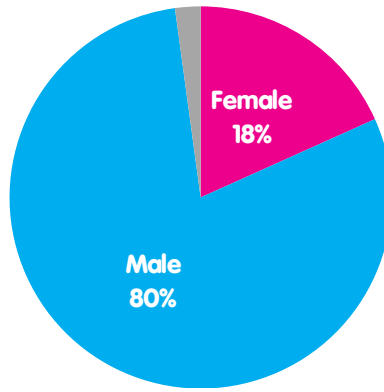
In 2016 a total of \$400 was raised for local charities and non-profits. Bicycle Network would like to thank all volunteers who participated in the count.



GROWTH

p. 5

Overall the number of cyclists increased by 11% (266 trips) compared with the same 7 sites surveyed in 2015 (240 trips).

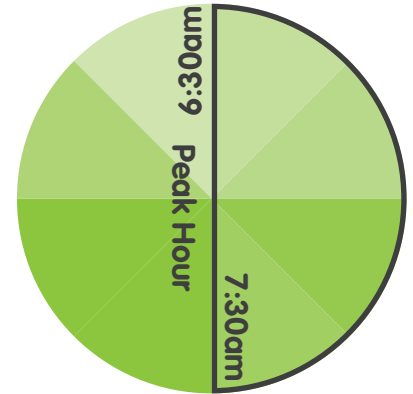


GENDER RATIO

p. 6

Female riders represented 18% of cyclists across the municipality.

This was below the average female ridership in Northern Territory for Super Tuesday North 2016 (32%), and below the national average for the 2016 count (26%).



PEAK HOUR

p. 7

The busiest hour was between 6:30-7:30am, with an average of 22 riders.

The average volume in 15 minute time intervals was as follows.

- 6:30-6:45am: 5 trips
- 6:45-7:00am: 5 trips
- 7:00-7:15am: 5 trips
- 7:15-7:30am: 6 trips
- 7:30-7:45am: 5 trips
- 7:45-8:00am: 3 trips
- 8:00-8:15am: 3 trips
- 8:15-8:30am: 2 trips

BUSIEST SITE COMPARISON

p. 8

The busiest site was at the intersection of McMillans Rd [NE], Stuart Hwy [SE], Stuart Hwy [NW], with an average of 33 trips per hour. In terms of riders per 10,000 residents, this site ranked 4th compared with the other 8 busiest sites across all councils involved in Super Tuesday North 2016.

COUNT RESULTS

p. 9

The summary data table and analysis on each site are included in this chapter.

Data table in Excel spreadsheet is supplied with this report.

Super Tuesday North 2016

THE COUNT

Bicycle Network's Super Tuesday Counts (Super Tuesday North and Super Tuesday South) are the world's largest and longest running visual bike counts. The counts measure bicycle commuter flows in the morning peak across the country.

The ninth annual Super Tuesday North count (the 'Count') was conducted on Tuesday 6th September 2016. The results showed a **9% increase** in the overall number of riders compared to the same sites counted in 2015.

The number of cyclists, including gender splits, were recorded at fifteen minute time intervals. The data was collected at 180 sites in 9 municipalities across Queensland and Northern Territory.

WEATHER

The 2016 conditions were generally warm, dry and sunny across the Northern Territory and Queensland.

GENDER

A high proportion of female riders is a strong indication of the health of a city's cycling environment. The higher the proportion, the better the cycling infrastructure. In the top international cycling cities, women tend to comprise around 50% of cycling numbers. The 2016 Super Tuesday North count saw an average of 26% female bike riders across both states, which is an increase of 2% compared with the 2015 count.

15 MINUTE TIME INTERVALS

The peak hour across all sites was between 7:00-8:00am.

STATE/TERRITORY RESULTS

Northern Territory

In total, the number of cyclists recorded in the Northern Territory was 4244, which represented a 3% increase compared with 2015. When the same sites that were counted in 2016 and 2015 are compared, the Territory recorded an increase of 9% (4081 trips in 2016 and 3754 in 2015). The Territory recorded the highest percentage of female riders, with 32% of all riders being female compared with 21% for Queensland.

Queensland

Queensland recorded a 3% decline in the number of trips compared with the same sites counted in 2015, from 4003 trips in 2016 compared with 4116 in 2015. The proportion of females was 21%, which was below the national average for the 2016 count (26%).



About the Super Tuesday counts

About the count

The Super Tuesday counts produce reliable annual figures of bicycle commuters and their movements on roads and bike paths across council areas, and have been operating since 2007.

Volunteers count and observe cyclists at key intersections and corridors selected by local governments.

This information is accurate, relevant, up-to-date and forms a cumulative data set participating councils. The data is a critical tool for councils and other agencies responsible for providing bike riding facilities for their constituents.

Aims and purposes

Super Tuesday is designed to complement the surveys that individual councils and other agencies run on a regular or occasional basis.

The project aims to answer few questions below:

- How many riders are there?
- Which routes are riders using?
- What is the year-to-year growth?
- How many women are riding?
- When is the busiest hour?

Methodology

As part of the Super Tuesday counts, we collect data from intersections along popular commuter routes.

Bicycle Network coordinates the count at the count locations that are nominated by traffic engineers, transport planners, sustainable transport or TravelSmart officers from the councils.

Volunteers who record all movements, gender of riders and their times at fifteen minute intervals on standardised count sheets.

Following the completion of the visual count, counters send the data to Bicycle Network by one or more of the following:

- Online: by entering the data directly via the web link
- Email: by sending completed electronic tally sheet attached
- Mail: by posting hard copy to the Bicycle Network office

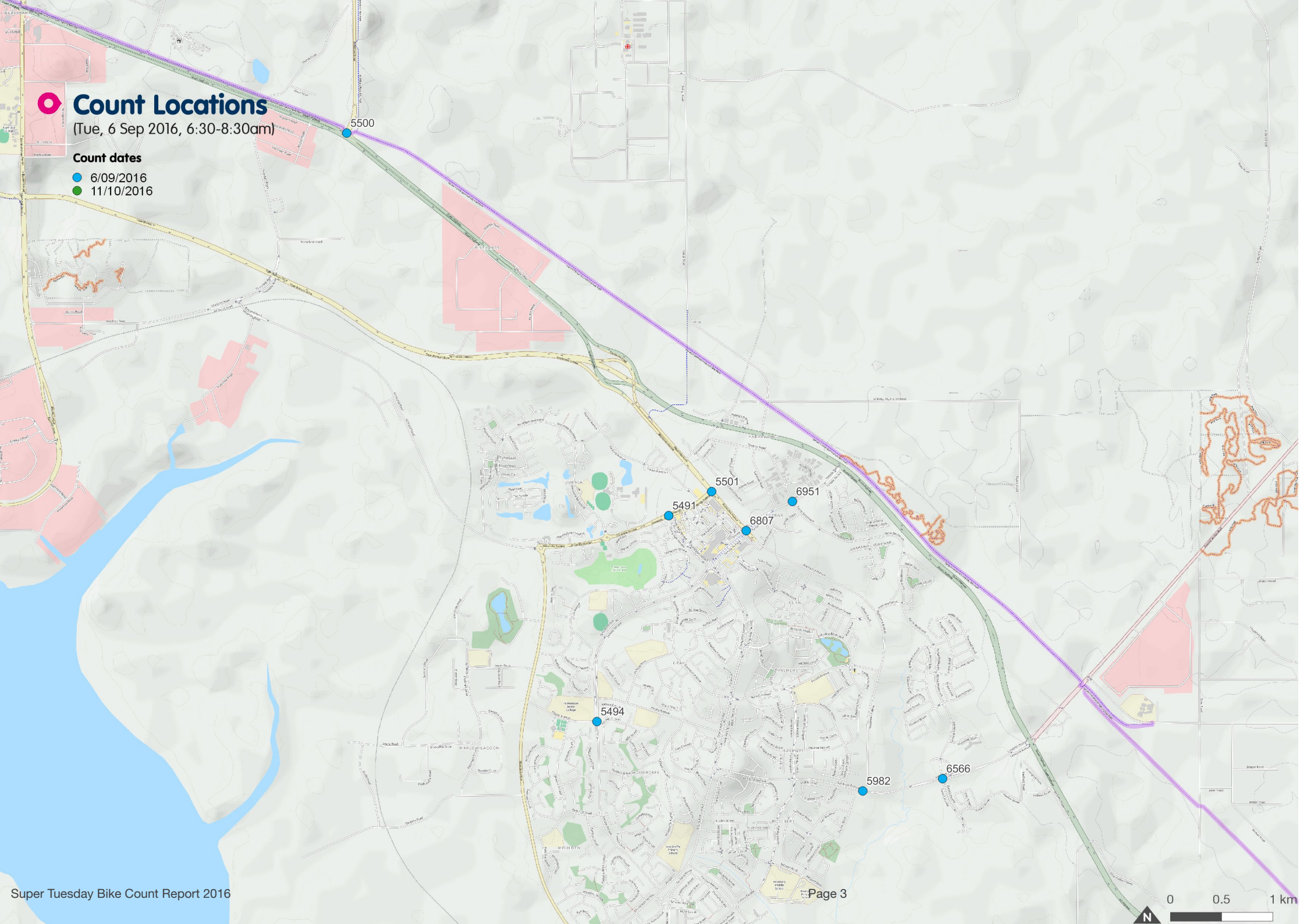
The submitted data is validated and analysed by Bicycle Network and compiled into reports.

Count Locations

(Tue, 6 Sep 2016, 6:30-8:30am)

Count dates

- 6/09/2016
- 11/10/2016

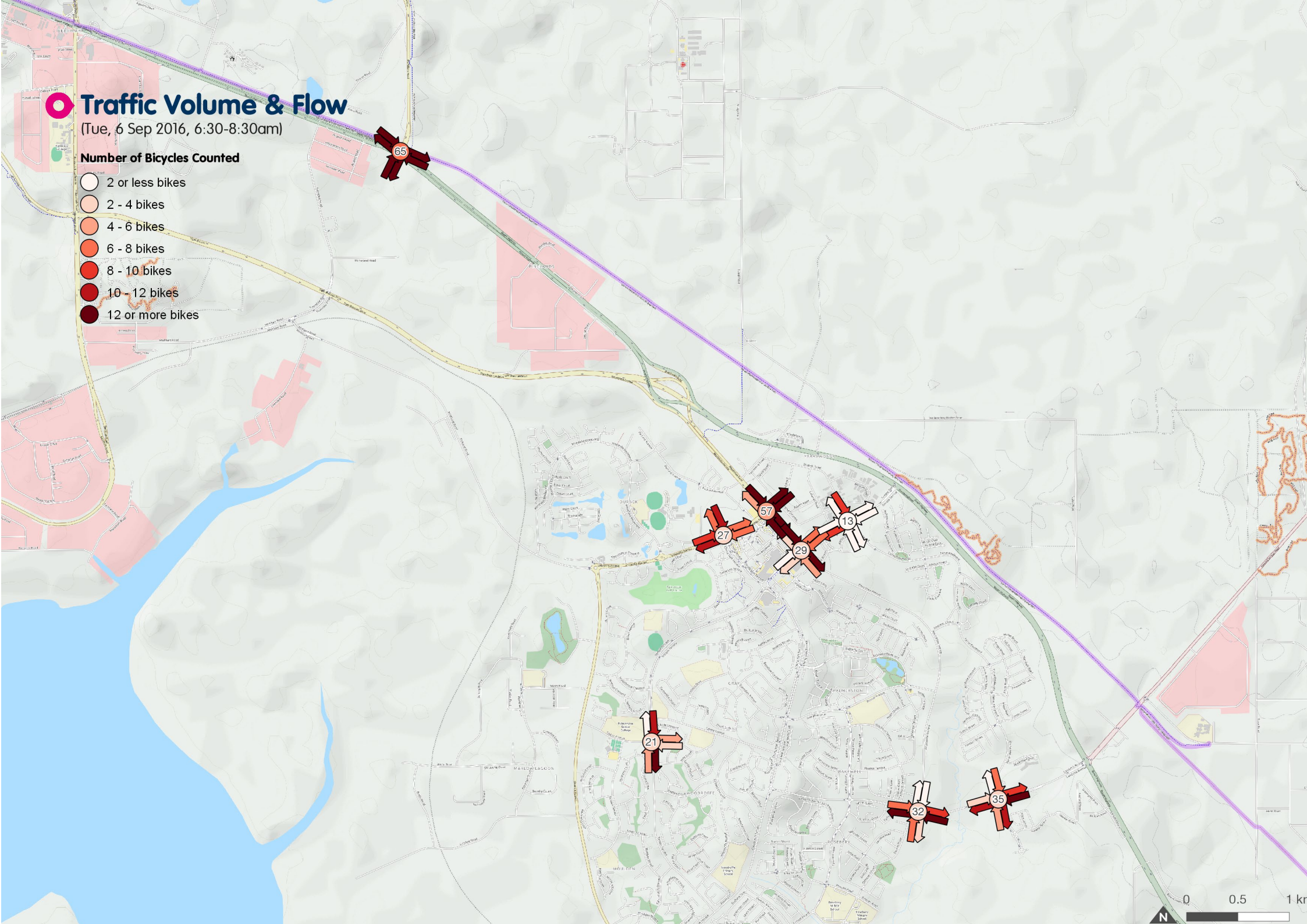


Traffic Volume & Flow

(Tue, 6 Sep 2016, 6:30-8:30am)

Number of Bicycles Counted

- 2 or less bikes
- 2 - 4 bikes
- 4 - 6 bikes
- 6 - 8 bikes
- 8 - 10 bikes
- 10 - 12 bikes
- 12 or more bikes



Growth

(Tue, 6 Sep 2016, 6:30-8:30am)

Compared to 2015

Increase Decrease Not changed

10%

80%

10%

-9%

-48%

39%

84%

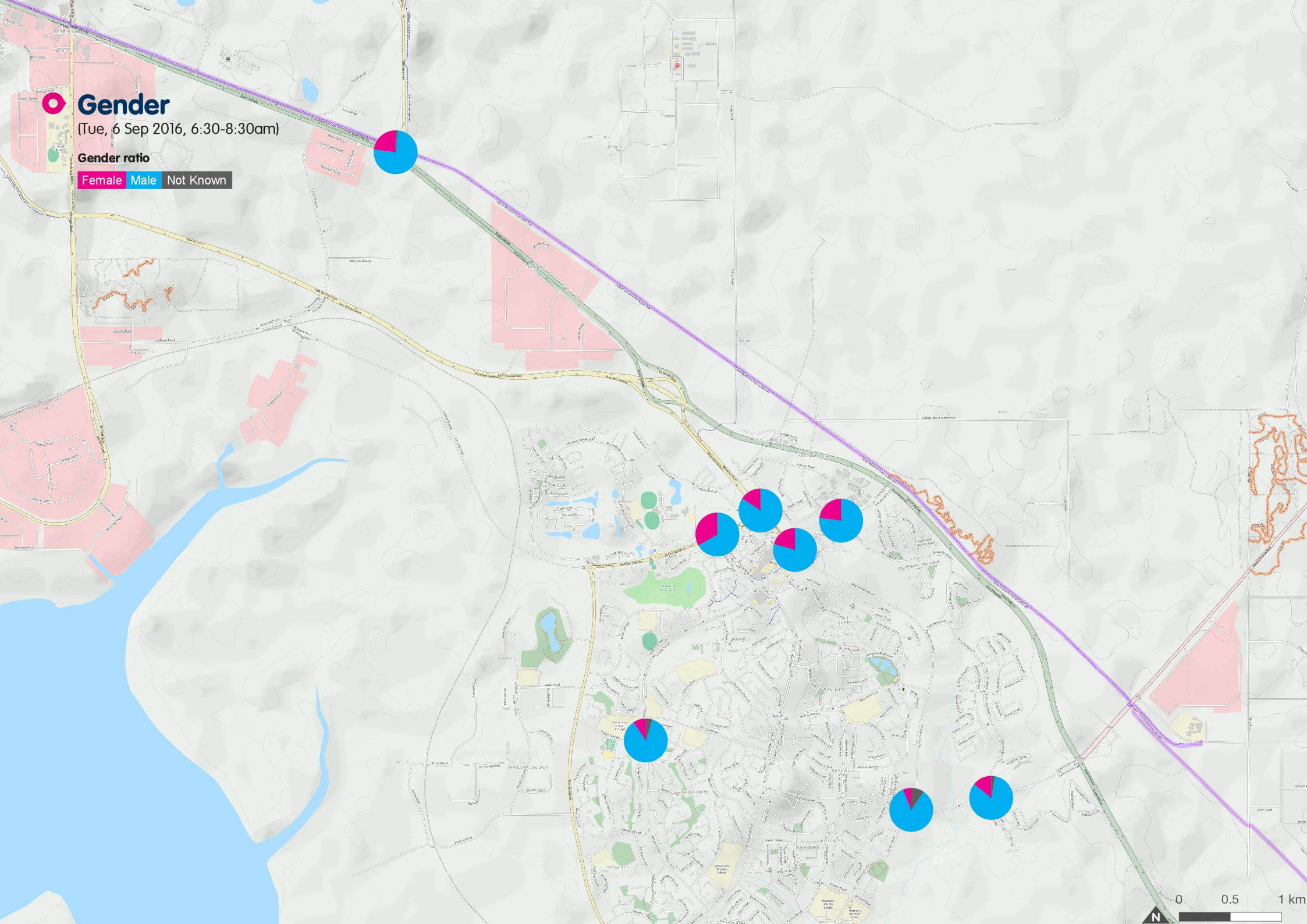


Gender

(Tue, 6 Sep 2016, 6:30-8:30am)

Gender ratio

Female Male Not Known



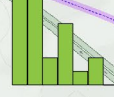
Peak Hour Volume

(Tue, 6 Sep 2016, 6:30-8:30am)

Bicycle Volume in 15 Minute Intervals

15min

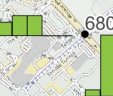
5500



5491



5501



6807



6951



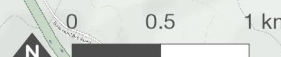
5494






5982



6566



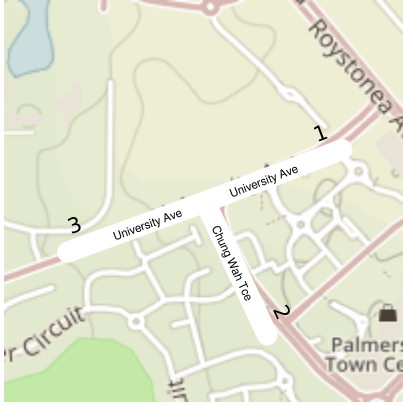
Busiest Site Comparison by Council

	Rank	Council		  Compared to previous years	 Females	Peak hour in the two hour period (6:30-8:30am)	per 10,000 residents	Number of riders per hour
REGIONAL CAPITAL CITIES	3	DARWIN NT	1%	33%	7:30-8:30am	10	87	
REGIONAL CITIES	9	MORETON BAY QLD	6%	18%	7:30-8:30am	1	39	
	5	TOWNSVILLE QLD	9%	22%	7:00-8:00am	6	117	
	8	TOOWOOMBA QLD	12%	21%	7:00-8:00am	1	18	
	6	REDLAND QLD	-2%	13%	7:00-8:00am	2	35	
REGIONAL TOWNS	1	ALICE SPRINGS NT	-21%	30%	7:30-8:30am	20	57	
	4	PALMERSTON NT	11%	18%	6:30-7:30am	10	33	
	2	KATHERINE NT	-17%	32%	7:30-8:30am	14	16	
	7	WHITSUNDAY QLD	0%	33%	7:00-8:00am	2	7	

Site ID	Street names	Total Count						Volume in 15 Minute							
		Female	Male	Not Known	2016	2015	% Growth	6:30-6:45	6:45-7:00	7:00-7:15	7:15-7:30	7:30-7:45	7:45-8:00	8:00-8:15	8:15-8:30
5500	McMillans Rd [NE], Stuart Hwy [SE], Stuart Hwy [NW]	15	49	1	65	59	10%	7	11	14	14	4	9	2	4
5501	Roystonea Ave [SE], University Ave [SW], Roystonea Ave [NW]	9	48	0	57	52	10%	20	13	5	7	7	1	2	2
6566	Lambrick Ave [E], Zuccoli Pde [S], Lambrick Ave [W], Farrar Blvd [N]	5	29	1	35	19	84%	3	1	7	5	7	7	5	0
5982	Roystonea Ave [N], Lambrick Ave [E], Path [S], Lambrick Ave [W]	2	27	3	32	23	39%	2	2	8	3	7	6	3	1
6807	Temple Tce [NE], Roystonea Ave/Footpath [SE], Temple Tce/Footpath [SW], Roystonea Ave/Footpath [NW]	6	23	0	29	32	-9%	4	5	1	9	4	0	1	5
5491	University Ave [E], Chung Wah Tce [SE], University Ave [W]	9	18	0	27	15	80%	2	8	2	4	3	2	3	3
5494	Temple Tce [S], Tilston Ave [W], Temple Tce [N]	2	18	1	21	40	-48%	3	0	2	5	4	1	4	2
6951	Temple Terrace [NE], Farrar Boulevard [SE], Temple Terrace [SW], Toupein Road [NW]	3	10	0	13			1	2	4	2	1	1	2	0

Site 5491

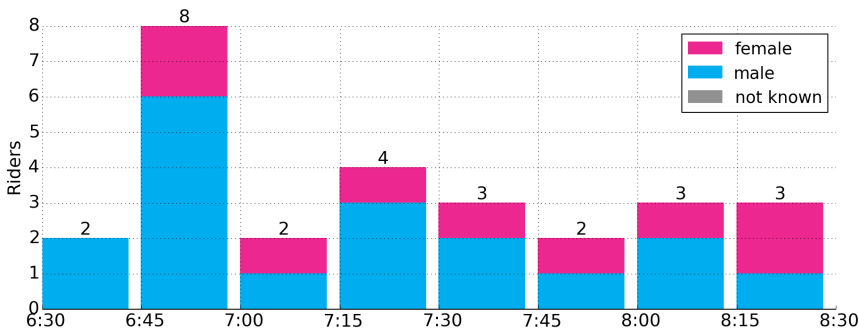
University Ave [E], Chung Wah Tce [SE], University Ave [W]



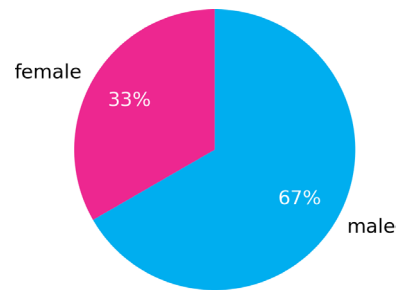
27 bicycle riders were recorded during the 2 hour survey. This is an increase of 80% compared to 15 in 2015 and an increase of 108% compared to 13 in 2011. The peak hour was 06:45-07:00 with 8 riders. Female riders comprised 33% of the total.

The site recorded 33% of all cyclists as females, which is 1% above the state average of 32% for the 2016 count. The traffic movements through the site were evenly spread.

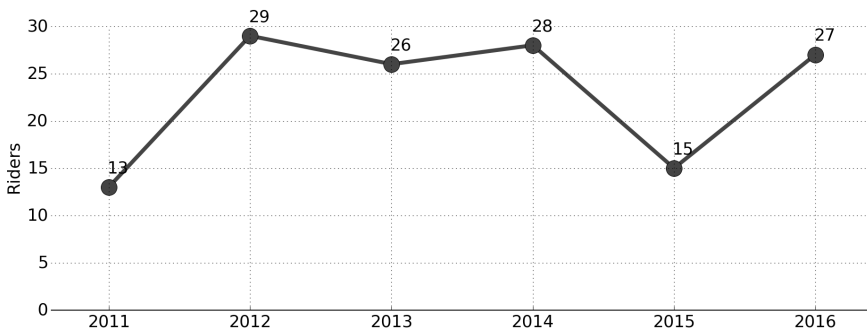
Traffic Volume by Time



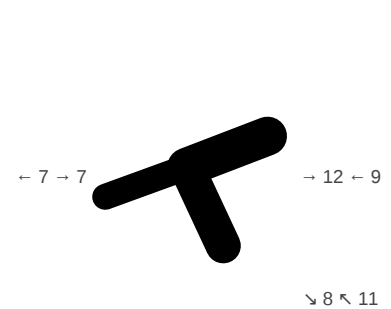
Gender Ratio



Cycling Trend



Traffic Flow

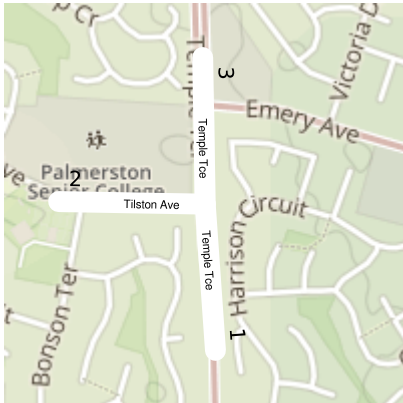


Raw Data

Enter	1 University Ave [E]		2 Chung Wah Tce [SE]		3 University Ave [W]		Total
Exit	2	3	1	3	1	2	
Female	2	2	3	0	1	1	9
Male	2	3	6	2	2	3	18
Not known	0	0	0	0	0	0	0
Total	4	5	9	2	3	4	27

Site 5494

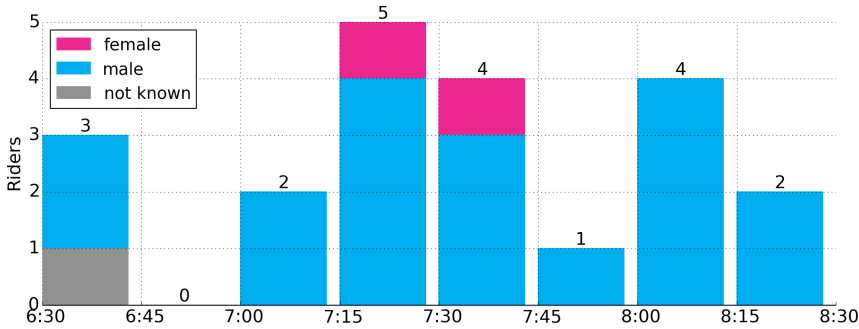
Temple Tce [S], Tilston Ave [W], Temple Tce [N]



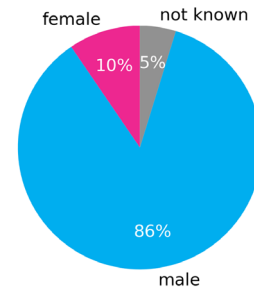
21 bicycle riders were recorded during the 2 hour survey. This is a decrease of 48% compared to 40 in 2015 and a decrease of 48% compared to 40 in 2011. The peak hour was 07:15-07:30 with 5 riders. Female riders comprised 10% of the total.

Only 10% of cyclists at this intersection were female (10%), which is much lower than the territory average of 32% for the 2016 count.

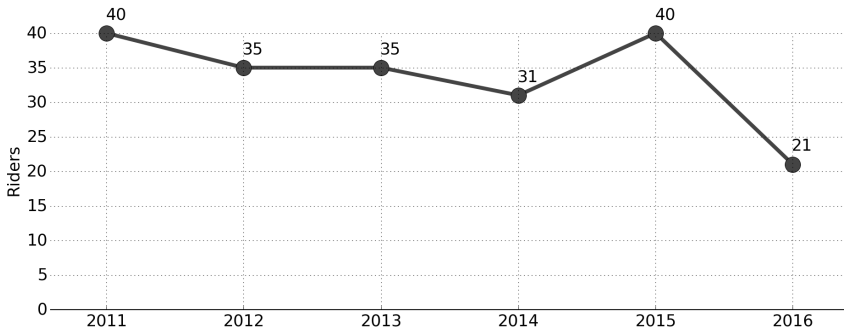
Traffic Volume by Time



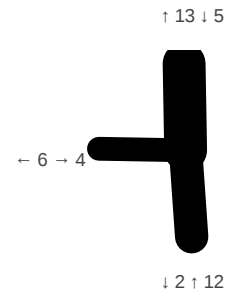
Gender Ratio



Cycling Trend



Traffic Flow



Raw Data

Enter	1 Temple Tce [S]		2 Tilston Ave [W]		3 Temple Tce [N]		
Exit	2	3	1	3	1	2	Total
Female	0	2	0	0	0	0	2
Male	3	7	0	4	1	3	18
Not known	0	0	0	0	1	0	1
Total	3	9	0	4	2	3	21

Site 5500

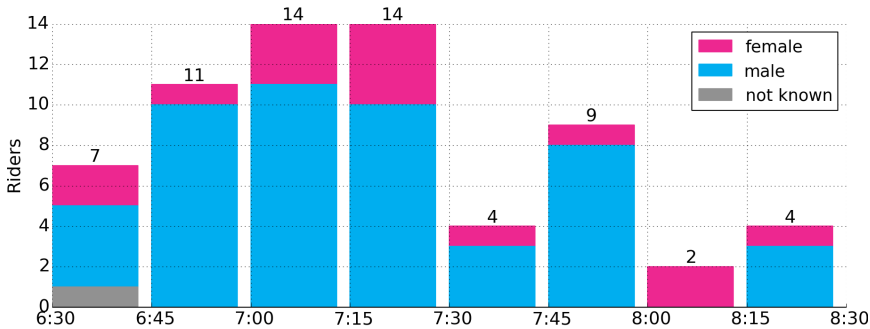
McMillans Rd [NE], Stuart Hwy [SE], Stuart Hwy [NW]



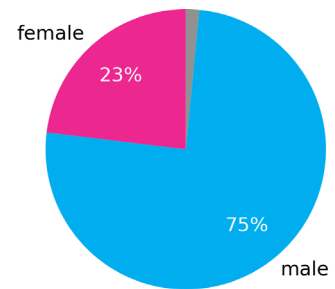
65 bicycle riders were recorded during the 2 hour survey. This is an increase of 10% compared to 59 in 2015 and an increase of 86% compared to 35 in 2011. The peak hour was 07:00-07:15 with 14 riders. Female riders comprised 23% of the total.

Most cyclists entered the intersection from the east side of the Stuart Hwy, accounting for 27 of the 65 cyclists, or 42%.

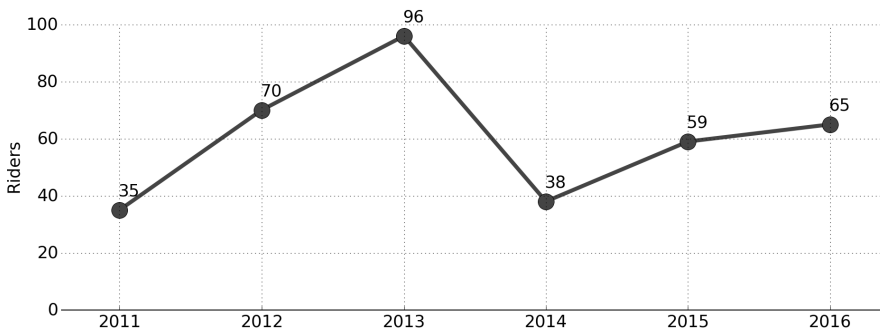
Traffic Volume by Time



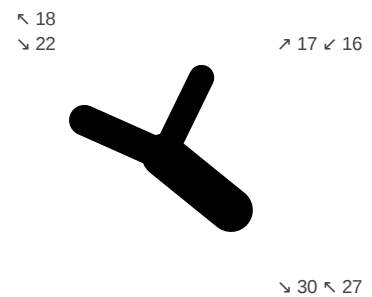
Gender Ratio



Cycling Trend



Traffic Flow

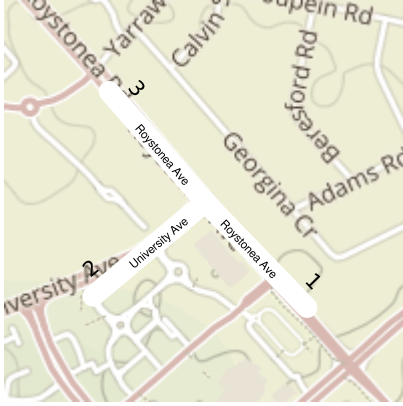


Raw Data

Enter	1 McMillans Rd [NE]		2 Stuart Hwy [SE]		3 Stuart Hwy [NW]		Total
Exit	2	3	1	3	1	2	
Female	3	0	2	5	1	4	15
Male	11	1	8	12	6	11	49
Not known	1	0	0	0	0	0	1
Total	15	1	10	17	7	15	65

Site 5501

Roystonea Ave [SE], University Ave [SW], Roystonea Ave [NW]

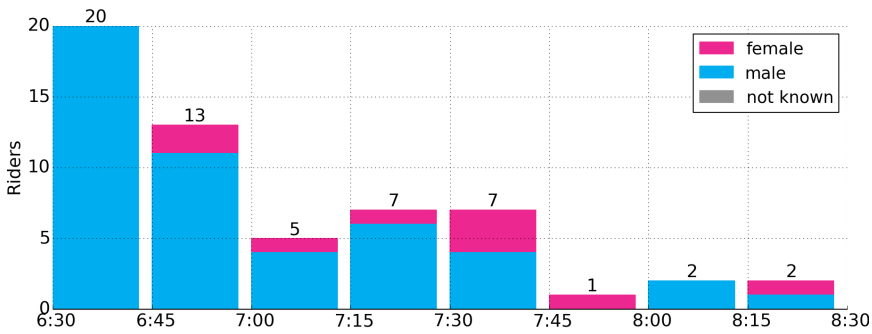


57 bicycle riders were recorded during the 2 hour survey. This is an increase of 10% compared to 52 in 2015 and a decrease of 3% compared to 59 in 2012. The peak hour was 06:30-06:45 with 20 riders. Female riders comprised 16% of the total.

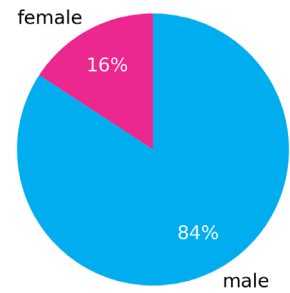
The counter noted that;

there were lots of road works at 7.30 involving digging up the road but the counter still had good views of cyclists.

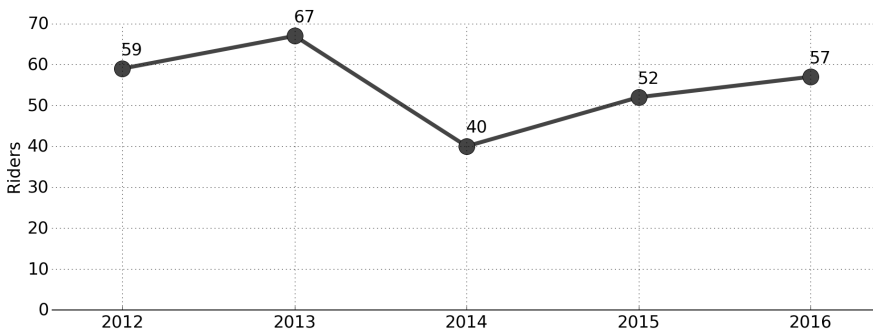
Traffic Volume by Time



Gender Ratio



Cycling Trend



Traffic Flow

↖ 34 ↘ 16



↙ 18 ↗ 25

↘ 5 ↖ 16

Raw Data

Enter	1 Roystonea Ave [SE]		2 University Ave [SW]		3 Roystonea Ave [NW]		Total
Exit	2	3	1	3	1	2	
Female	0	2	0	2	2	3	9
Male	5	9	2	21	1	10	48
Not known	0	0	0	0	0	0	0
Total	5	11	2	23	3	13	57

Site 5982

Roystonea Ave [N], Lambrick Ave [E], Path [S], Lambrick Ave [W]

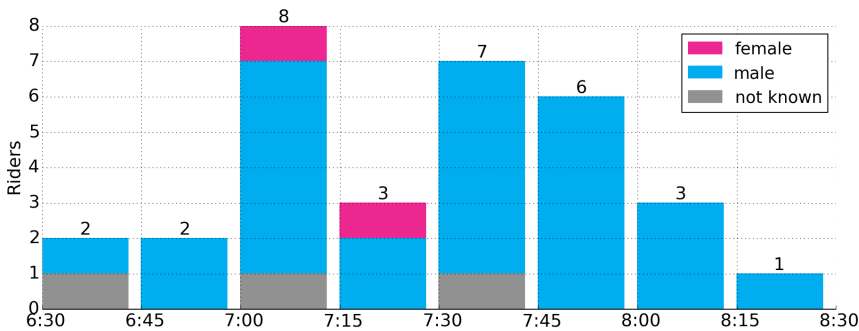


32 bicycle riders were recorded during the 2 hour survey. This is an increase of 39% compared to 23 in 2015 and an increase of 357% compared to 7 in 2012. The peak hour was 07:00-07:15 with 8 riders. Female riders comprised 6% of the total.

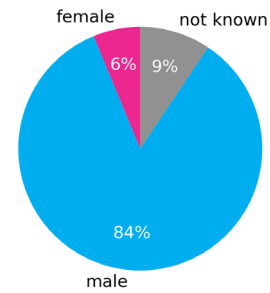
The counter noted that;

Leg 3 'Path' is the extension of Roystonia Ave south of Lambrick Ave and is currently under construction with only construction site vehicles entering and leaving.

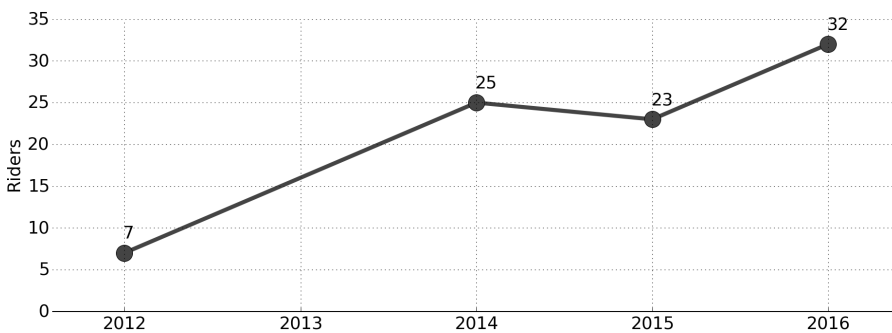
Traffic Volume by Time



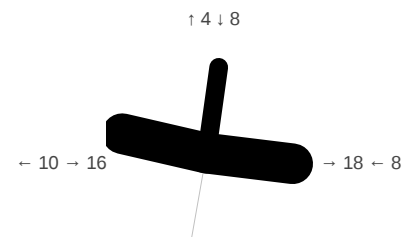
Gender Ratio



Cycling Trend



Traffic Flow



Raw Data

Enter	1 Roystonea Ave [N]			2 Lambrick Ave [E]				3 Path [S]		4 Lambrick Ave [W]			Total
Exit	2	3	4	1	3	4	1	2	4	1	2	3	Total
Female	1	0	0	0	0	1	0	0	0	0	0	0	2
Male	5	0	2	0	0	5	0	0	0	3	12	0	27
Not known	0	0	0	0	0	2	0	0	0	1	0	0	3
Total	6	0	2	0	0	8	0	0	0	4	12	0	32

Site 6566

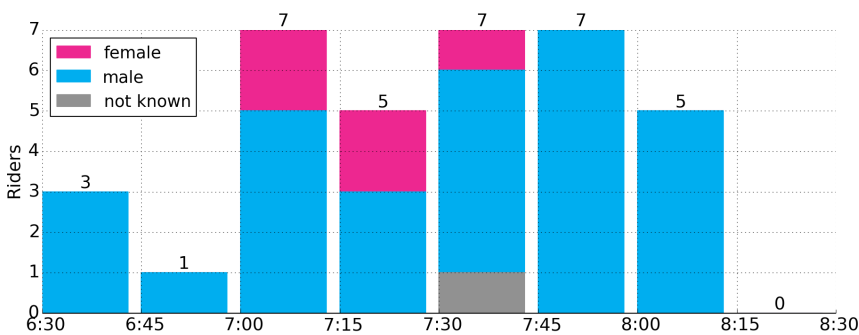
Lambrick Ave [E], Zuccoli Pde [S], Lambrick Ave [W], Farrar Blvd [N]



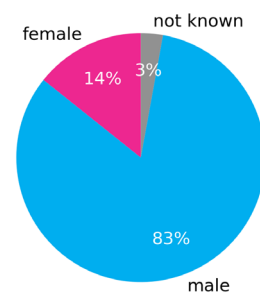
35 bicycle riders were recorded during the 2 hour survey. This is an increase of 84% compared to 19 in 2015 and an increase of 133% compared to 15 in 2014. The peak hour was 07:00-07:15 with 7 riders. Female riders comprised 14% of the total.

The counter noted that; 3 - 1 route continues up to the Stuart Highway (major intersection) where crossing lights have still not been activated. The pathway on the other side of the highway is still not finished (nearly 12 months later) and there only needs to be 50m of path to intersect an established bike path connecting Darwin City to the Rural area. No safe crossing or path for kids to get to the school.

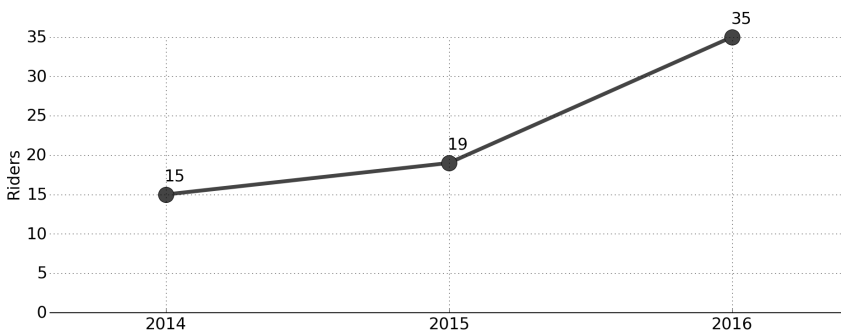
Traffic Volume by Time



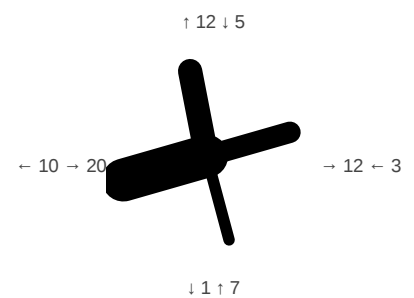
Gender Ratio



Cycling Trend



Traffic Flow



Raw Data

Enter	1 Lambrick Ave [E]			2 Zuccoli Pde [S]			3 Lambrick Ave [W]			4 Farrar Blvd [N]			Total
Exit	2	3	4	1	3	4	1	2	4	1	2	3	
Female	0	0	0	1	2	0	2	0	0	0	0	0	5
Male	0	1	1	0	3	1	9	0	9	0	1	4	29
Not known	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	0	1	2	1	5	1	11	0	9	0	1	4	35

Site 6807

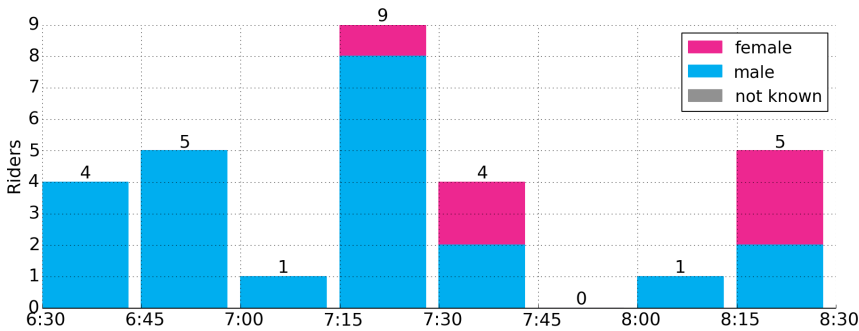
Temple Tce [NE], Roystonea Ave/Footpath [SE], Temple Tce/Footpath [SW], Roystonea Ave/Footpath [NW]



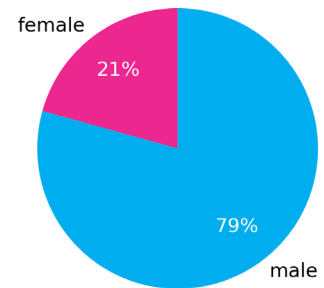
29 bicycle riders were recorded during the 2 hour survey. This is a decrease of 9% compared to 32 in 2015. The peak hour was 07:15-07:30 with 9 riders. Female riders comprised 21% of the total.

The counter noted that there were significant road works around Temple Tce and Roystonea Ave which may have affected cyclist numbers.

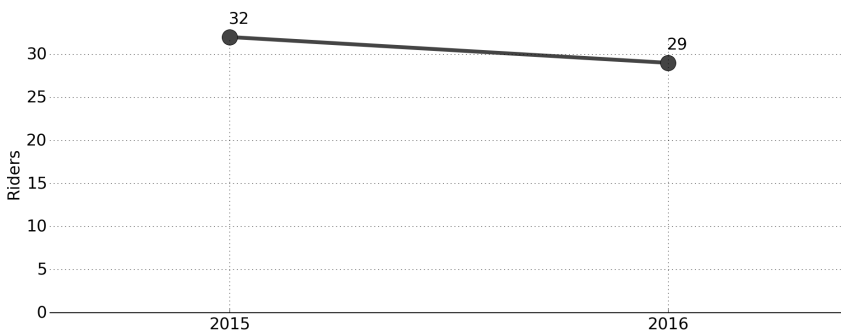
Traffic Volume by Time



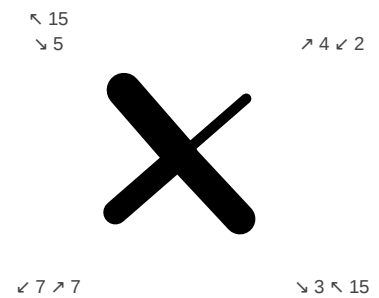
Gender Ratio



Cycling Trend



Traffic Flow



Raw Data

Enter	1 Temple Tce [NE]			2 Roystonea Ave/Footpath [SE]			3 Temple Tce/Footpath [SW]			4 Roystonea Ave/Footpath [NW]			Total
Exit	2	3	4	1	3	4	1	2	4	1	2	3	
Female	0	1	0	0	2	1	0	1	1	0	0	0	6
Male	0	0	1	1	1	10	3	0	2	0	2	3	23
Not known	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	1	1	3	11	3	1	3	0	2	3	29

Site 6951

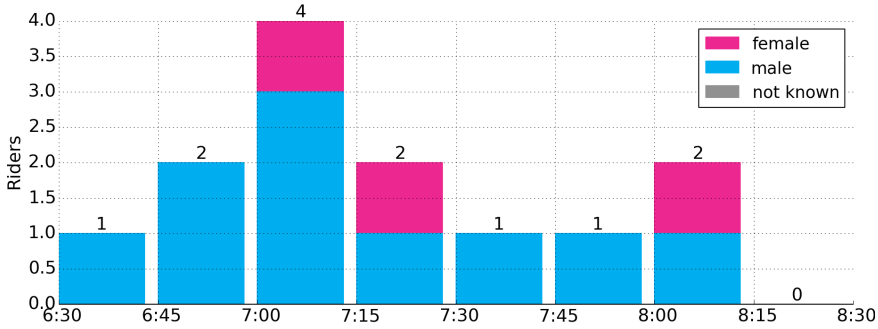
east [NE], Farrar Boulevard [SE], west [SW], Toupein Road [NW]



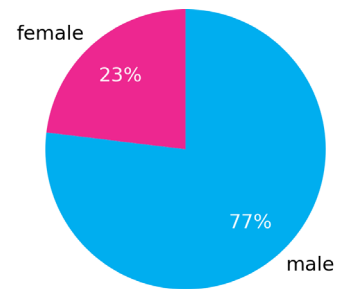
13 bicycle riders were recorded during the 2 hour survey. The peak hour was 07:00-07:15 with 4 riders. Female riders comprised 23% of the total.

The most popular route through the site was along Temple Tce and Farrar Blvd, accounting for 77% of all cyclists (10/13).

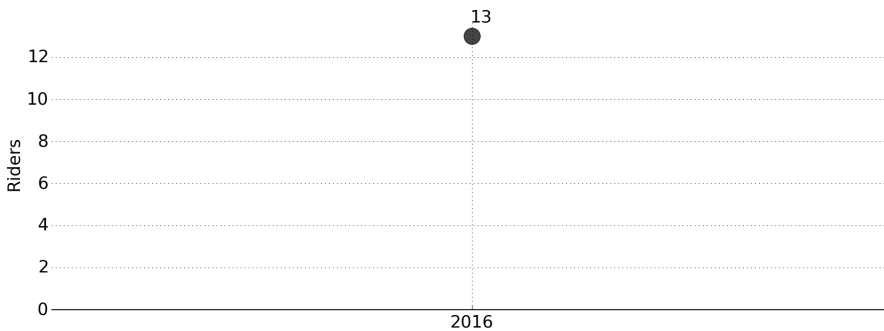
Traffic Volume by Time



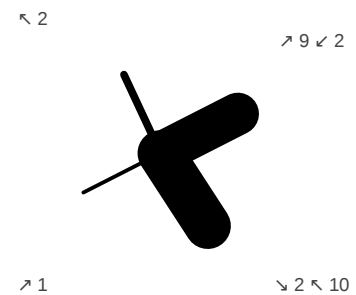
Gender Ratio



Cycling Trend



Traffic Flow



Raw Data

Enter	1 Temple Terrace [NE]			2 Farrar Boulevard [SE]			3 Temple Terrace [SW]			4 Toupein Road [NW]			Total
Exit	2	3	4	1	3	4	1	2	4	1	2	3	
Female	1	0	0	2	0	0	0	0	0	0	0	0	3
Male	1	0	0	6	0	2	1	0	0	0	0	0	10
Not known	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	0	0	8	0	2	1	0	0	0	0	0	13



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