BICYCLE NETWORK®

We've got your back

SUPER TUESDAY TOP END BIKE COUNT

Katherine

JULY/AUGUST 2023

BICYCLE NETWORK®

SUPER COUNTS

About the count

Acknowledgement of Country

Bicycle Network recognises the counts were undertaken on the land of the traditional owner groups of Katherine and the Big Rivers Region people and we pay our respects to Elders past, present and recognise their ongoing connection to the land on which we ride..

About the Count

The Super Tuesday Bike Count (Super Tuesday) collects reliable annual figures of bicycle commuters and their movements on roads and paths.

Since 2007, Bicycle Network has conducted bicycle counts at key intersections and corridors that were historically selected by local governments.

The Northern Territory Government has been involved in the count since 2011.

This information is accurate, relevant, up-to-date, and provides a longitudinal reflection of cycling activity and trends. The data is a critical tool for councils and other agencies responsible for providing bicycle riding facilities for their constituents.

Gender Data Limitations

Counters make an observational assessment of rider gender in the few seconds that the rider passes by the site, based on how the rider presents (e.g. man, woman). In each case, counters may opt to select "not known/unsure" if they feel uncomfortable making a judgement or are unsure.

While this gender presentation methodology is not a perfect substitute for the self-identification of a rider's gender, it allows for a rapid assessment and a semi-quantitative approximation of the gender profile of riders travelling through the site.

Measuring gender is important in working toward Bicycle Network's core value of inclusivity and advocating for better riding conditions for everyone. It allows councils to understand better the demographics of riders, and determine what infrastructure changes should be implemented to make riding accessible for all people.

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 some critical questions:

- How many riders are there?
- Which routes are riders using?
- What is the year-on-year change?
- How many women and men are riding?
- When is the busiest hour?

Historical Super Count Data

Super Count data has been collected for over a decade and has recently been made available online. To see longitudinal data (2010-2021) for both the Super Tuesday Commuter counts and the Super Sunday Recreational Counts, visit our Data Dashboard, which can be found at: www.bicyclenetwork.com.au/data-dashboard.

Methodology

The Super Tuesday counters collect data from intersections along popular commuter routes, as well as subsidiary routes with lower rider volumes.

Bicycle Network coordinates the count at locations nominated by traffic engineers, transport planners, and other transport officers from participating organisations.

The counts were conducted by volunteer counters who record all movements, the gender presentation of riders, and their observations, in fifteen minute time intervals on standardised count sheets.

Following the completion of the visual count, counters send their data to Bicycle Network using the following means:

- Online: by entering the data directly via the web link
- Email: by sending completed electronic tally sheet attached

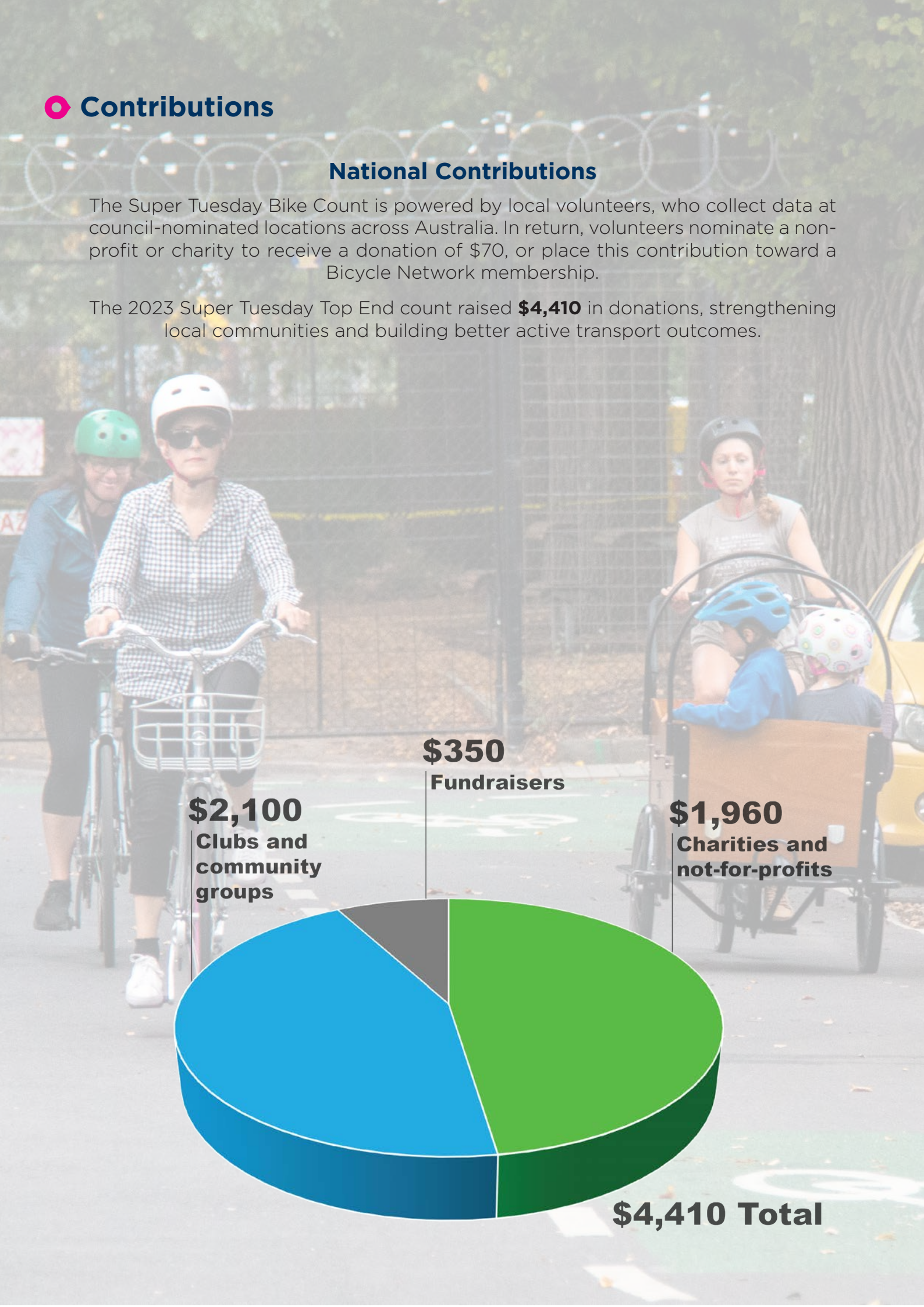
The submitted data are validated, analysed and visualised by Bicycle Network, and subsequently compiled into reports for participating councils and other agencies.

Contributions

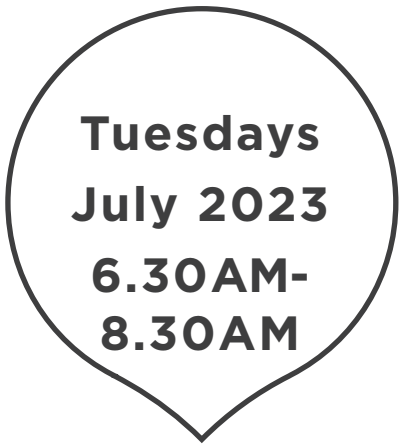
National Contributions

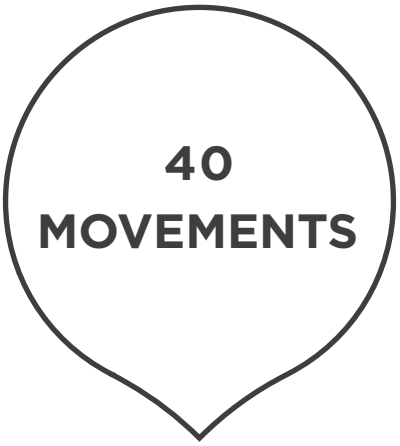
The Super Tuesday Bike Count is powered by local volunteers, who collect data at council-nominated locations across Australia. In return, volunteers nominate a non-profit or charity to receive a donation of $70, or place this contribution toward a Bicycle Network membership.

The 2023 Super Tuesday Top End count raised **$4,410** in donations, strengthening local communities and building better active transport outcomes.



Count Summary in Katherine





COUNT IN 2023

The Super Tuesday Bike Count was conducted on Tuesday 25 July 2023 for two hours from 6:30am to 8:30am, and following Tuesdays 1st.

Weather conditions for the count days can be found below, with temperatures and wind as of 9am, while rain is measured across the entire day and counts were either completely dry or only received a small amount of rain.

Date	Rain mm	Temp °C	Wind km/hr
25/07	0	17.4	24 SE
8/08	0	25	20 ESE
15/08	0	26	22 ENE

By participating in the count, volunteer counters can choose a local community group to receive a donation of at least $70. In Katherine, a total of $210 went back to the local community through donations to nominated groups and charities.

COUNT SITES

3 sites were surveyed in Katherine. Of these sites, 3 were surveyed in the previous Super Tuesday Top End count period, in 2021. A full overview of the location of sites can be found on page 2.

BUSIEST SITE

The busiest site was at the intersection of Cyprus St [N], Stuart Hwy/Footpath [E], Stuart Hwy/Footpath [W] (Site 6569).

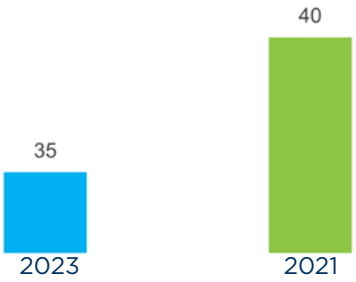
TRAFFIC FLOW

A total of 40 movements were counted at all selected intersections across the council area during the two-hour survey. Of these trips, 35 were made by bike riders.

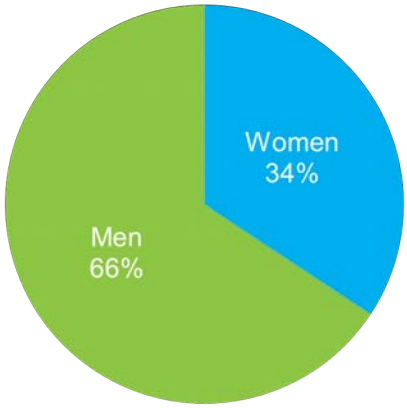
Site specific traffic flow can be found in the individual site reports below, while an overview of the directional flows of riders in the council area can be found in the flow diagram, included on page 6.

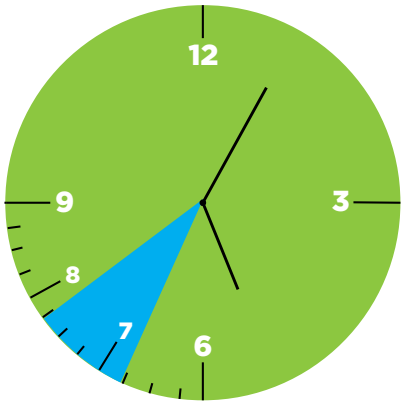
MICRO MOBILITY

A total of 5 movements were made by micromobility riders across the municipality. This represented 13% of the total trips made in the municipality.



-13%





CHANGE

Overall, ridership has declined by -13% (35 movements) compared to the same 3 sites surveyed in the last Super Tuesday survey in 2021 (40 movements).

COUNT RESULTS

The summary data table and analysis on each site are included from page 7 in this report.

Data table in an Excel spreadsheet is supplied with this report.

GENDER RATIO

Using our observational survey method for gender (page iii), women were estimated to represent 34% of bike riders across the municipality.

This is compared with the estimated Australia-wide average of surveyed areas in Super Tuesday South in March 2023 of 25%.

Women were estimated to represent 20% of micro-mobility riders across the municipality.

PEAK HOUR

The busiest hour was between 6:45-7:45am during the survey, as shown in blue in the diagram above.

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

- 6:30am-6:45am: 0 movements
- 6:45am-7:00am: 3 movements
- 7:00am-7:15am: 2 movements
- 7:15am-7:30am: 1 movements
- 7:30am-7:45am: 2 movements
- 7:45am-8:00am: 1 movements
- 8:00am-8:15am: 3 movements
- 8:15am-8:30am: 1 movements

Super Tuesday Top End in 2023

THE COUNT

Bicycle Network's Super Tuesday Bike Count is the world's biggest and longest running visual bike count, where volunteers measure bicycle commuter flows in the morning peak from 6:30am to 8:30am across the country. The count provides quantitative surveys with figures on the movements of bike users, helping organisations provide and improve infrastructure and facilities for people riding bikes.

This year, the Super Tuesday Top End Bike Count was conducted on Tuesday 25 July between 6:30am and 8:30am. Where necessary, a recount was conducted on subsequent Tuesdays in the next month.

In the 2023 count, 63 sites were surveyed across 3 council areas. Our counters recorded over 2468 bicycle movements across the survey period.

CHANGE

2023 results reveal a 29% decrease across the Top End when compared with the same 60 sites surveyed in the last Super Tuesday survey in 2021.

GENDER ESTIMATE

The 2023 Super Tuesday Top End Bike Count estimated that women comprised approximately 29% of all bike riders counted across Nothern Australia, as determined by counter judgements on site. This is lower than the 2021 Super Tuesday Top End count (33%) but higher than the national average of 25%.

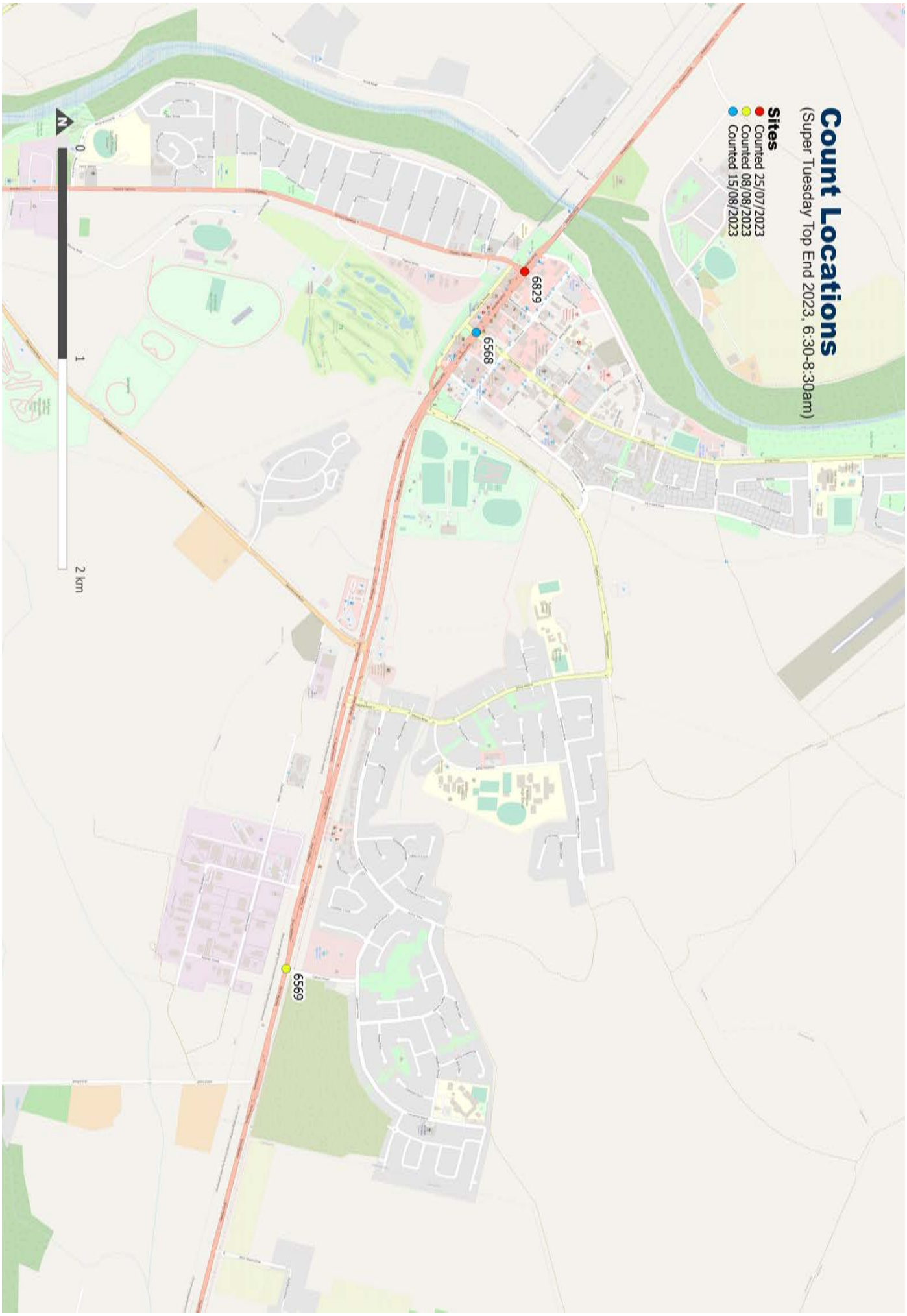
PEAK HOUR

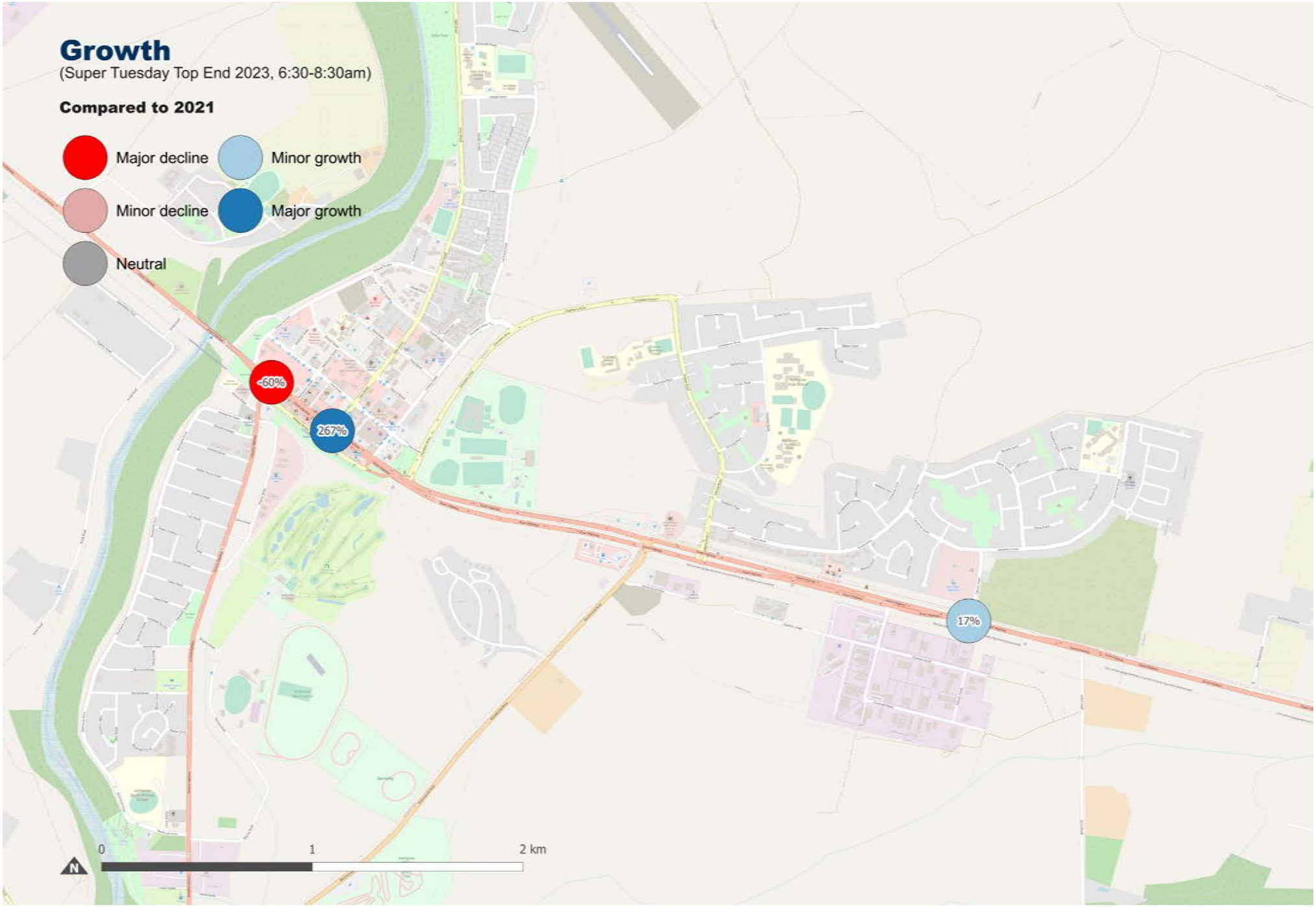
The peak riding hour across all sites was between 7:30m and 8:30am for all of Northern Territory, but varied between Top End communities.
Peak hour in Katherine was 6:45 – 7:45 am, Palmerston was 7:15 – 8:15 am and 7:30 – 8:30 am in Darwin..

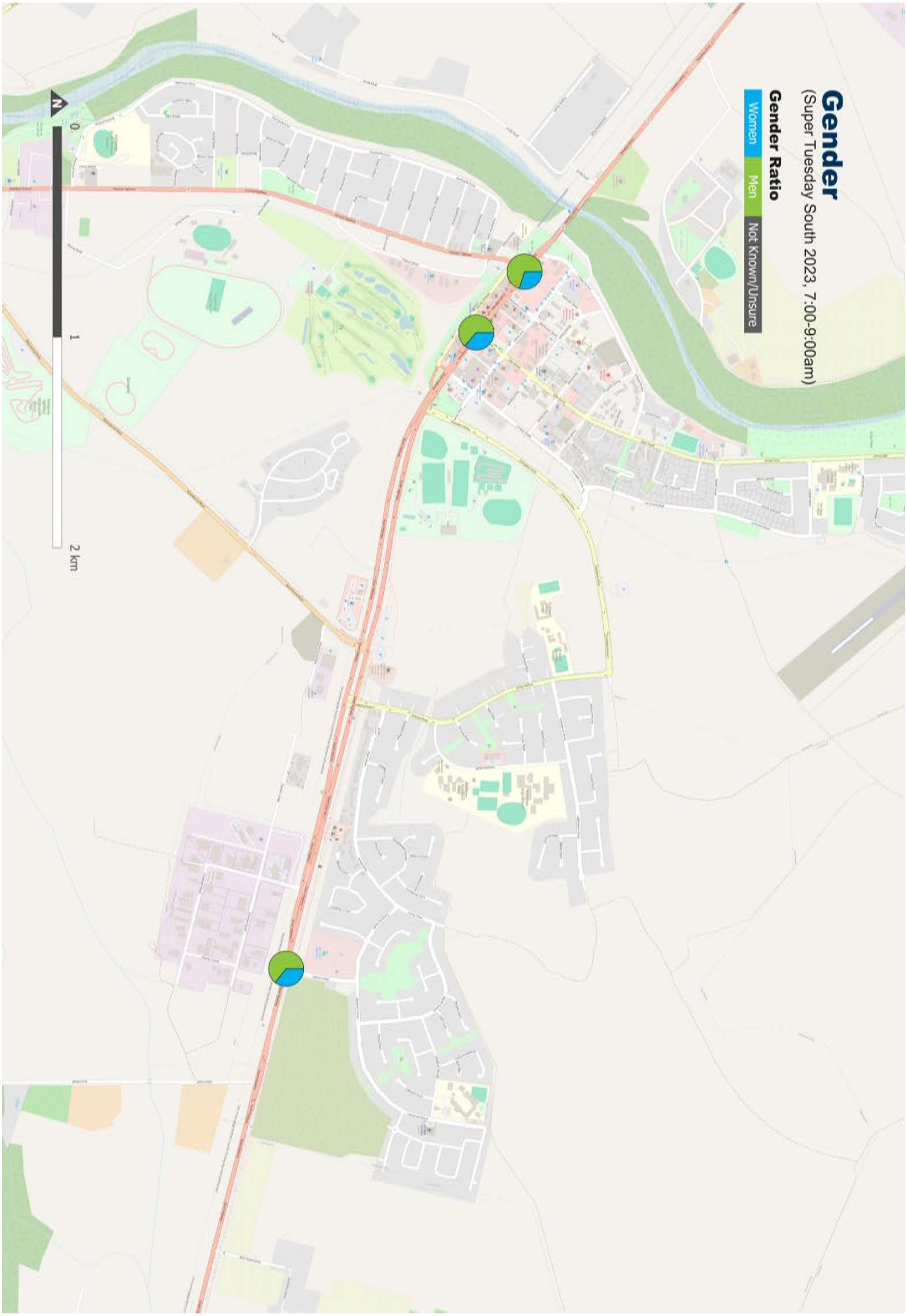
MICROMOBILITY

For the first time, e-scooters and other forms of micromobility were included in the Super Tuesday Top End active transport surveys. A total of 226 micromobility riders were captured, the majority of which were in Darwin and Palmerston council areas.

Two sites were recorded with a total of 24 e-scooters riders in the two hour survey periode at Darwin. These sites were 5507 and 7351, located in the Darwin CBD, indicating perhaps the growing popularity of scooters for short trips.


Count Locations
(Super Tuesday Top End 2023, 6:30-8:30am)
Sites
Counted 25/07/2023
Counted 08/08/2023
Counted 15/08/2023
6829
6568
6569
N
0
1
2 km


Growth
(Super Tuesday Top End 2023, 6:30-8:30am)
Compared to 2021
Major decline
Minor growth
Minor decline
Major growth
Neutral
-60%
267%
17%
0
1
2 km
N


Gender
(Super Tuesday South 2023, 7:00-9:00am)
Gender Ratio
Women
Men
Not Known/Unsure
N
0
1
2 km


Peak Hour Volume
(Super Tuesday Top End 2023, 6:30-8:30am)
Bicycle Volume in 15 Minute Intervals
15min
N
0
1
2 km
6829
6568
6569


Bicycle Flow
(Super Tuesday Top End 2023, 6:30-8:30am)
Total Bicycle Volume
0 - 30
30 - 60
60 - 90
90 - 120
120+
Bicycle Volume by Leg
1 - 30
30 - 60
60 - 90
90 - 120
120+
10
11
14
0
1
2 km
N

Results

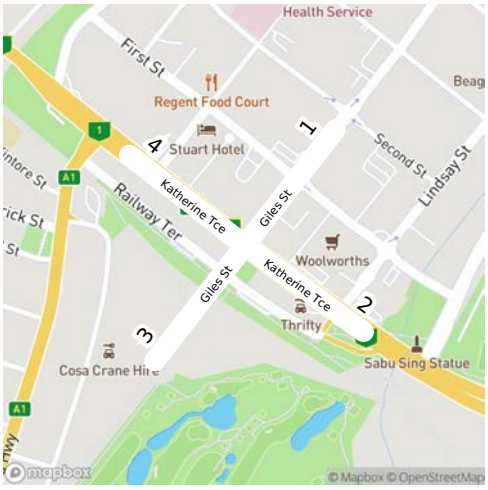
Site ID	Street names	Micromobility Riders			Bike Riders							Volume in 15 Minute Intervals							
		Women	Men	Not Known	Women	Men	Not Known	2023	2021	% Growth	2020	Count Date	6:30-6:45	6:45-7:00	7:00-7:15	7:15-7:30	7:30-7:45	7:45-8:00	8:00-8:15	8:15-8:30
6568	Giles St [NE], Katherine Tce [SE], Giles St [SW], Katherine Tce [NW]	0	1	0	4	7	0	11	3	267%	24	15.08.2023	0	0	2	3	2	1	1	3
6569	Cyprus St [N], Stuart Hwy/Footpath [E], Stuart Hwy/Footpath [W]	1	1	0	5	9	0	14	12	17%	12	08.08.2023	0	2	2	0	4	2	6	0
6829	Stuart Hwy [SE], Victoria Hwy [S], Stuart Hwy [NW]	0	2	0	3	7	0	10	25	-60%	32	25.07.2023	1	6	2	1	1	0	1	0

Site 6568

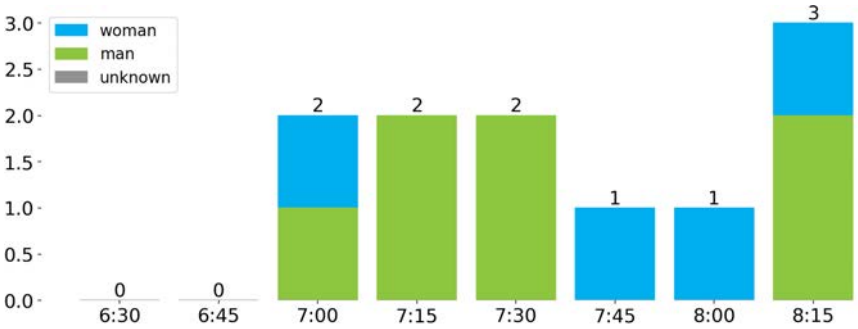
Giles St [NE], Katherine Tce [SE], Giles St [SW], Katherine Tce [NW]

11 bicycle riders were recorded during the 2 hour survey. This is an **increase of 267%** compared to 3 in 2021 and a **decrease of 39%** compared to 18 in 2014. The **peak period was 8:15-8:30** with 3 riders. An estimated **36% of the bike riders were women**.

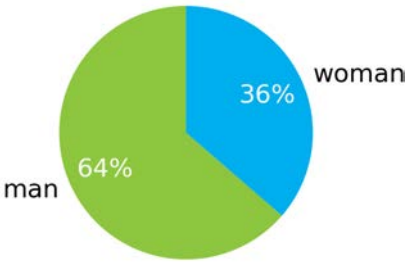
1 micro-mobility riders were recorded during the 2 hour survey. An estimated **0% of micro-mobility riders were women**.



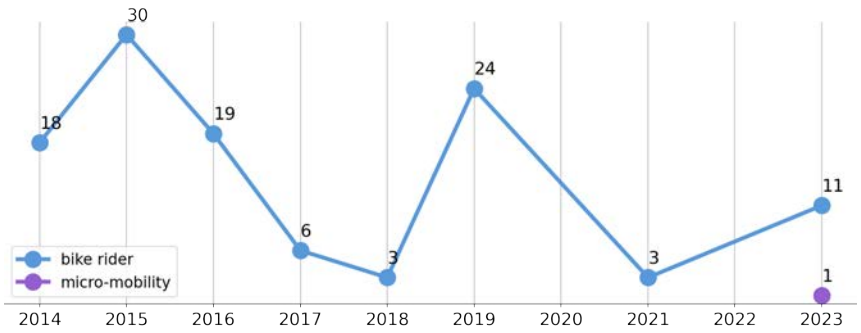
Bike rider traffic by time

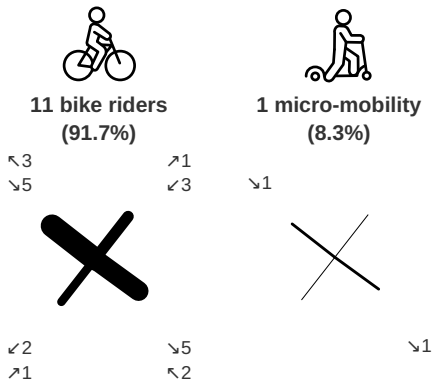


Bike rider gender ratio



Trend





Raw Data

Enter		1 Giles St			2 Katherine Tce			3 Giles St			4 Katherine Tce			
Exit	**2**	**3**	**4**	**1**	**3**	**4**	**1**	**2**	**4**	**1**	**2**	**3**	**Total**
Woman		2					1				1		4
Man			1			2					5		8
Unknown													
Total		**2**	**1**			**2**	**1**				**6**		**12**

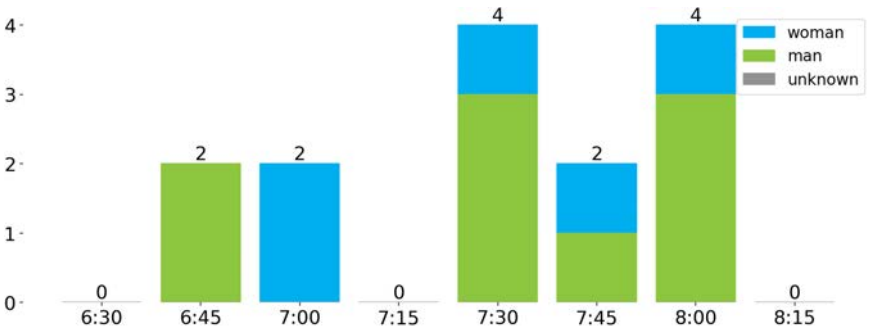
Site 6569

Cyprus St [N], Stuart Hwy/Footpath [E], Stuart Hwy/Footpath [W]

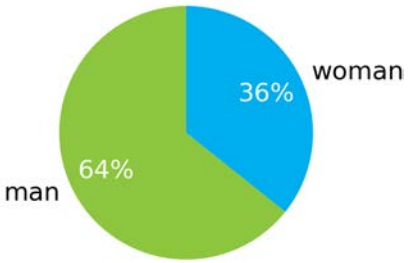
14 bicycle riders were recorded during the 2 hour survey. This is an **increase of 17%** compared to 12 in 2021 and an **increase of 17%** compared to 12 in 2014. The **peak period was 7:30-7:45** with 4 riders. An estimated **36% of the bike riders were women**.

2 micro-mobility riders were recorded during the 2 hour survey. An estimated **50% of micro-mobility riders were women**.

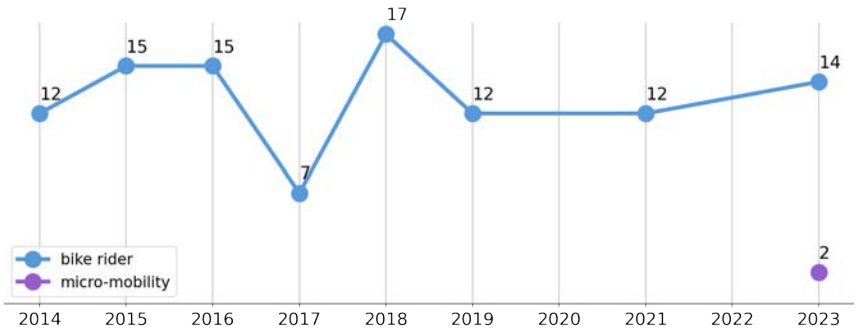
Bike rider traffic by time

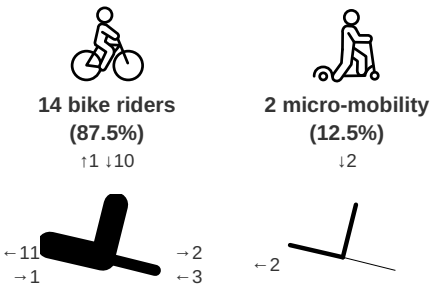


Bike rider gender ratio



Trend





Raw Data

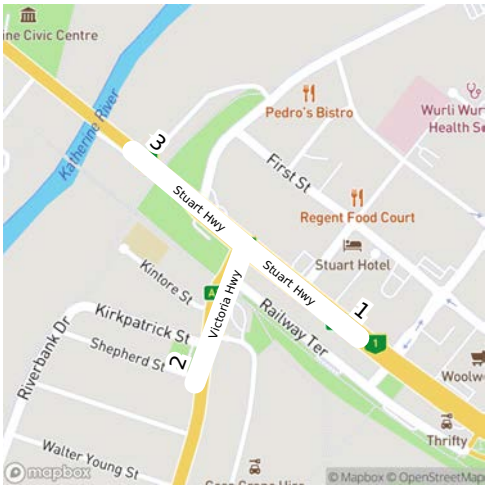
Enter		1 Cyprus St		2 Stuart Hwy/Footpath		3 Stuart Hwy/Footpath		
Exit	**2**	**3**	**1**	**3**	**1**	**2**	**Total**
Woman	1	3	1	1			6
Man		8		1		1	10
Unknown							
Total	**1**	**11**	**1**	**2**		**1**	**16**

Site 6829

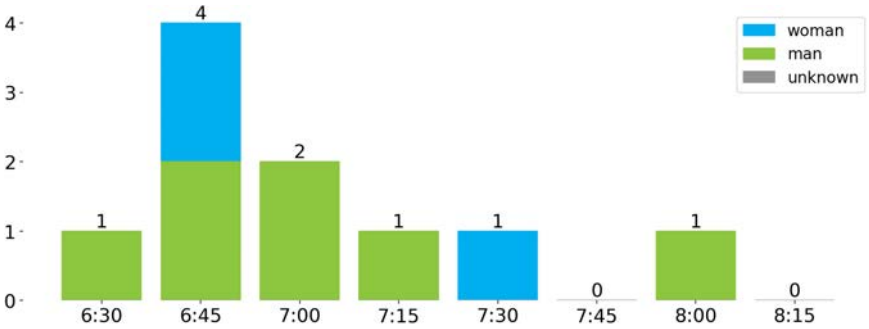
Stuart Hwy [SE], Victoria Hwy [S], Stuart Hwy [NW]

10 bicycle riders were recorded during the 2 hour survey. This is a **decrease of 60%** compared to 25 in 2021 and a **decrease of 47%** compared to 19 in 2015. The **peak period was 6:45-7:00** with 4 riders. An estimated **30% of the bike riders were women**.

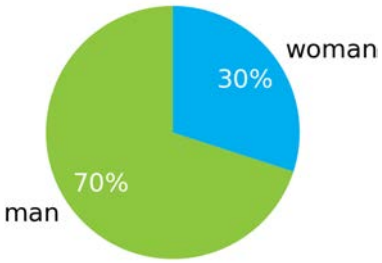
2 micro-mobility riders were recorded during the 2 hour survey. An estimated **0% of micro-mobility riders were women**.



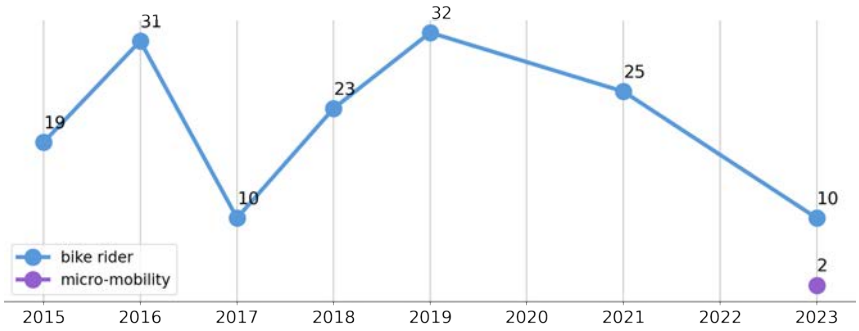
Bike rider traffic by time

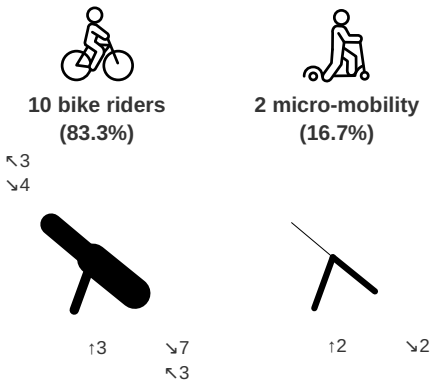


Bike rider gender ratio



Trend





Raw Data

Enter	1 Stuart Hwy		2 Victoria Hwy		3 Stuart Hwy		
Exit	**2**	**3**	**1**	**3**	**1**	**2**	**Total**
Woman			3				3
Man		3	2		4		9
Unknown							
Total		**3**	**5**		**4**		**12**

BICYCLE NETWORK®

With nearly 50,000 members, Bicycle Network is the largest member-based bike riding organisation in Australia. At Bicycle Network, we campaign for better conditions, infrastructure and policies that make it easier and more accessible for people of all ages and abilities to ride a bike. We work closely with all levels of government to improve conditions for all people who ride.
Did you know that at Bicycle network we also do:

RIDE2SCHOOL

Our Ride2School team work collaboratively with schools, students and councils to help young people overcome the barriers preventing them from riding to school and getting active. Schools engaged in the year-long program report an active travel rate of 45 per cent, nearly double the national average. Other Ride2School initiatives include:

MIND.BODY.PEDAL – a one-day program aimed at empowering and inspiring secondary school aged females. It is designed to address the unique barriers holding teenage females back from being physically active.

ACTIVE PATHS – is a collaborative way-finding initiative, designed to make the journey to and from school as safe, fun and easy as possible!

Find out more by visiting ride2school.com.au or contacting ride2school@bicyclenetwork.com.au.

ADVOCACY AND CAMPAIGNS

We work with government, stakeholders, and the community to improve the bike riding environment across Australia. We provide expert advice on transport planning, and campaign for policies that support people riding bikes.

If you want our help on a bike riding issue or active transport plan in your LGA, reach out to our Public Affairs team at campaigns@bicyclenetwork.com.au

GET IN TOUCH - If your council would like to explore opportunities to collaborate with Bicycle Network or our members in the future, please get in touch with via bikefutures@bicyclenetwork.com.au

BIKE PARKING

Bicycle Network are the bike parking experts – we design, quote, construct and install a wide range of bike parking and end-of-trip facilities for Council's and private developments.

For more information,
visit bicyclenetwork.com.au/bike-parking-experts
or email parking@bicyclenetwork.com.au
(1300 727 563)

PARKITEER - BIKE CAGES

We manage a network of 130 secure bike parking cages at public transport hubs across Melbourne and regional Victoria on behalf of the Department of Transport.

Learn more at parkiteer.com.au or by contacting parkiteer@bicyclenetwork.com.au

RIDES AND EVENTS

We run some of Australia's biggest bike rides, including The Great Vic Bike Ride (3,000+ riders), Around the Bay (10,000+ riders), the Great Outback Escape (NT), the iconic Peaks Challenge Falls Creek (VIC) and many more. We also coordinate regular social bike rides to help encourage riding and discuss the concerns of the riding public.

To organise events and social rides in you LGA, visit bicyclenetwork.com.au/rides-and-events

CORPORATE MEMBERSHIPS

Sign up as a corporate member and your employees will be able to take advantage of our exclusive corporate membership offer. In addition to helping us improve bike riding conditions across Australia, our members are covered every time they ride with our bike riding insurance. Plus, they'll get access to a range of services and discount offers.

Contact us at membership@bicyclenetwork.com.au

BICYCLE NETWORK®

Still *Super* keen on more transport data? Bicycle Network offers the following survey methods to compliment Super Counts.

Custom Counts

Our custom counts are a fully customised manual active collection method for bicycle, pedestrian and intersection surveys. They can be tailored to gather robust demographic data across any required frequency or duration.

Artificial Intelligence Road Surveys (AIRS)

AIRS is an artificial intelligence-based survey service which autonomously detects and classifies roads users and how they interact with road environments using cameras, sensors and smart software.

For more information, visit:
www.bicyclenetwork.com.au/automated-surveys

1. Road user counts

We can count all road users entering a camera's field of view and break this data down by time increment and user type.

2. User path tracing

We can track the paths of movement made by users ('path tracing'), which offers insights into traffic flow and directionality.

3. Speed analysis

We can measure user speeds, which is useful for congestion detection and shared path safety measures.

What data can AIRS provide?

Once the AI-technology has identified and classified all users in the field of vision of the sensor or camera, Bicycle Network's analysts can provide reports on three key areas

Contact Us

Reach out to us to discuss how these surveys can collect the data for your specific needs. Contact us to set up a free trial using our camera/sensor technology.

bikefutures@bicyclenetwork.com.au