



2014 Bicycle count



Contents

- 1 | **About the 2014 bicycle count**
- 2 | **2014 At-a-glance**
- 4 | **How and where the data was collected**
- 6 | **General data collection results**
- 8 | **Demographics by age**
- 9 | **Demographics by gender**
- 12 | **Helmets**
- 14 | **Pedestrians, wheelchairs and mobile scooters**
- 14 | **Data resources**
- 15 | **Appendices**



About the 2014 bicycle count

In a continuing effort to understand Calgary's progress towards becoming a bicycle friendly community, The City's Transportation department, through the Bicycle Program, conducted its first demographic bicycle count in 2013. The City aims to annually monitor changes in cycling volumes and demographics at specific locations across Calgary. The results of the 2014 count have been analyzed and are presented in this report.

The Bicycle Count is only one of the ways the Bicycle Program is monitoring and evaluating cycling data, in keeping with the Council-approved Cycling Strategy.

The City has automated counters that collect 24 hour bicycle volume data throughout the year for project monitoring and evaluation. Counters are installed along cycle tracks, on-street bikeways, pathways and Stephen Avenue. Count information is available to the public, visit calgary.ca/bikedata to learn more.

Bicycle Program

As part of the Cycling Strategy and the Calgary Transportation Plan, the Bicycle Program was formally established in 2012 to help make Calgary a bicycle-friendly community and provide Calgarians with more transportation choices.

The Bicycle Program operates within the Transportation department and aims to:

- Plan, design and build on-street bikeways.
- Identify and remove barriers to cycling.
- Educate and encourage cycling.
- Increase the supply of bicycle parking.
- Coordinate with other City departments and community organizations to improve cycling.

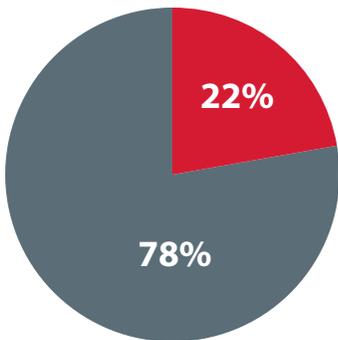


2014 At-a-glance

- Total number of cyclists counted in 2014 was 25,226.
- Female cyclists increased by 1 per cent.
- 11 per cent increase in cyclists at the original 50 count locations between 2013 (19,457) and 2014 (21,592).

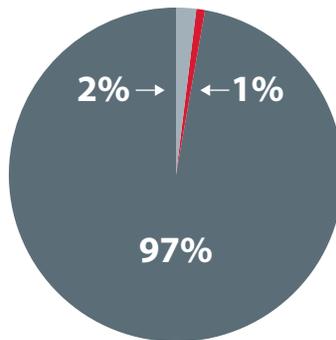
Gender breakdown

- Male cyclists: 19,584
- Female cyclists: 5,642



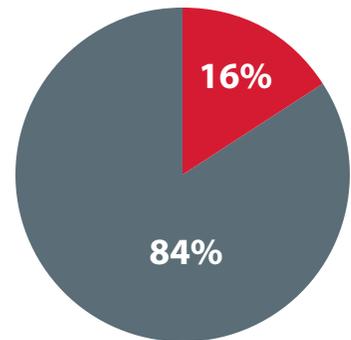
Age of cyclists

- Age under 18: 639
- Age 18 to 65: 24,368
- Age over 65: 219

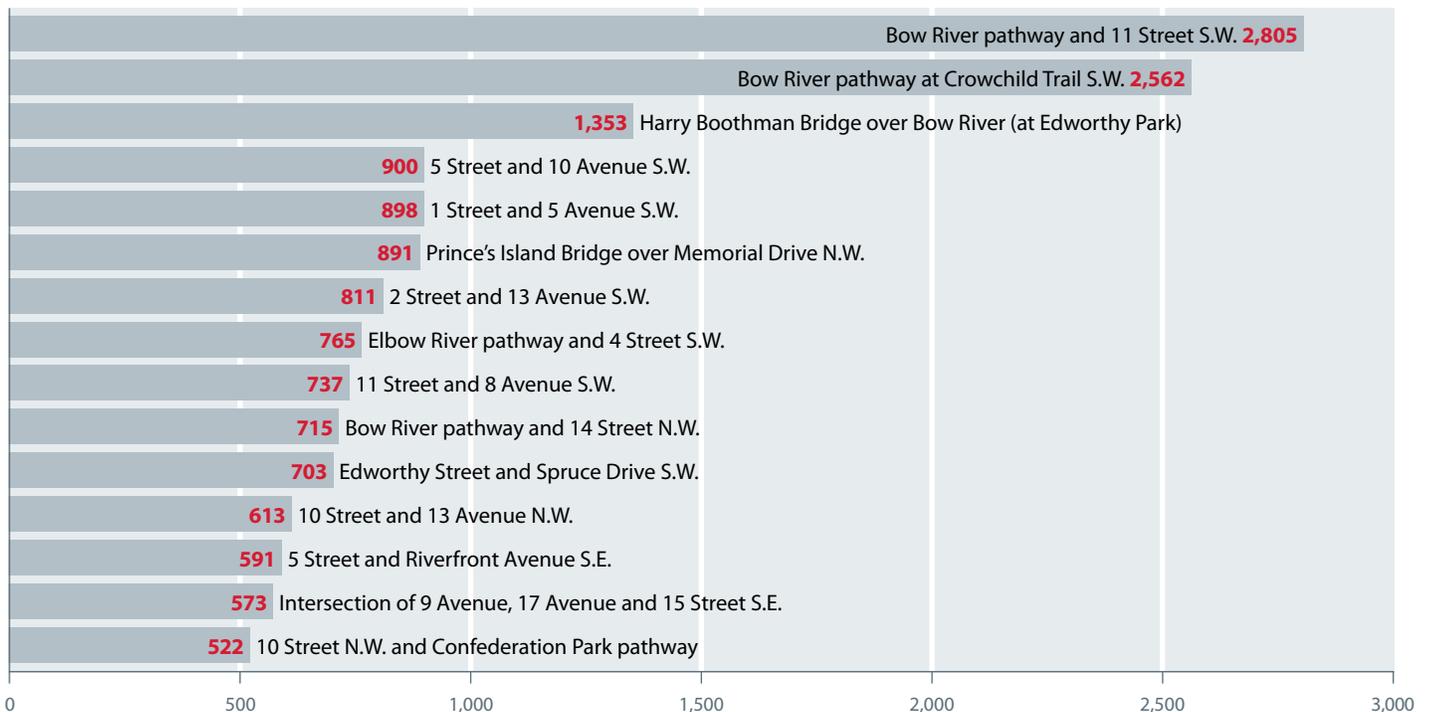


Cyclist helmet usage

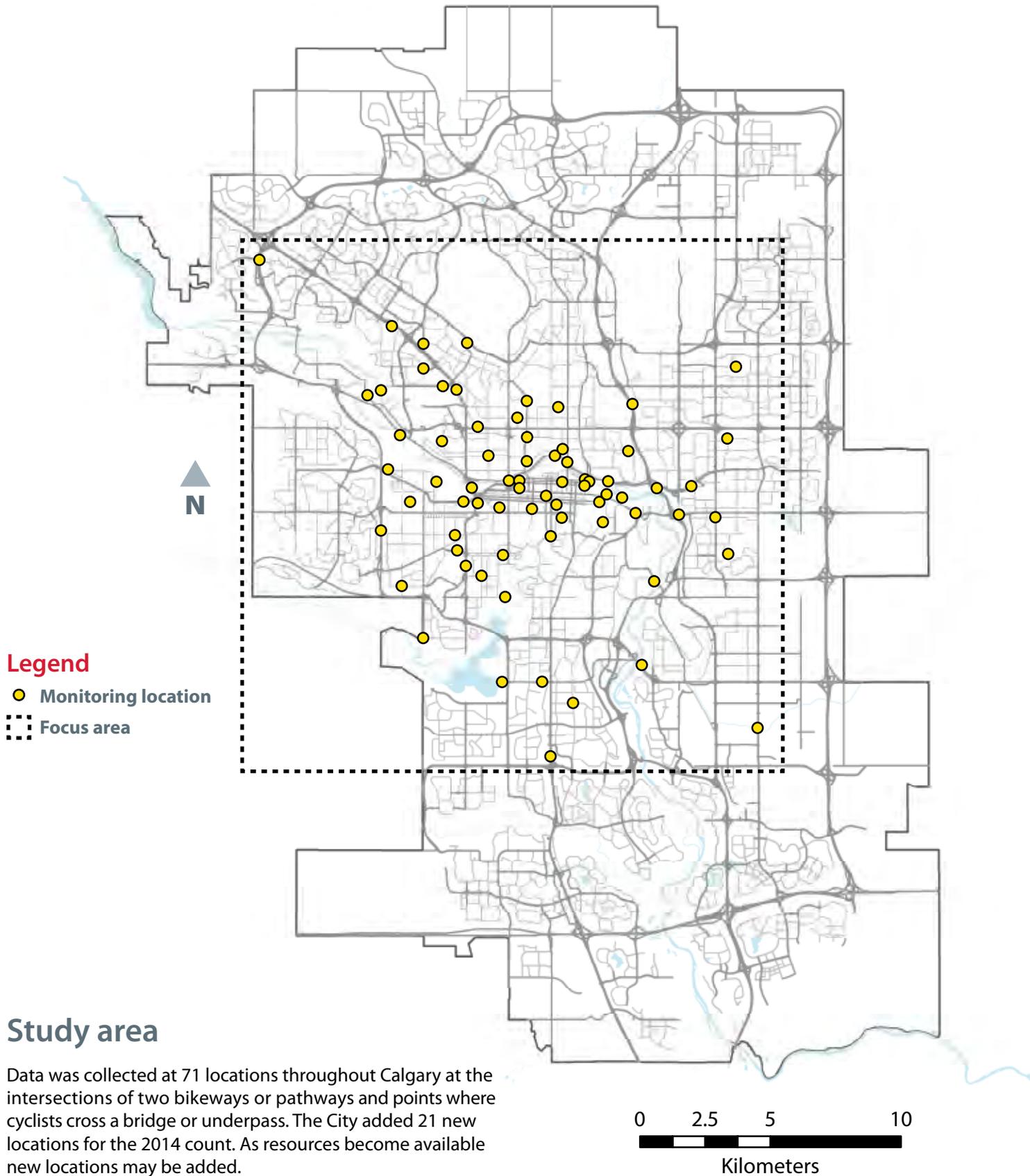
- Cyclists wearing helmets: 21,078
- Cyclists not wearing helmets: 4,148



Top 15 cycling locations



2014 At-a-glance



Study area

Data was collected at 71 locations throughout Calgary at the intersections of two bikeways or pathways and points where cyclists cross a bridge or underpass. The City added 21 new locations for the 2014 count. As resources become available new locations may be added.

How and where the data was collected

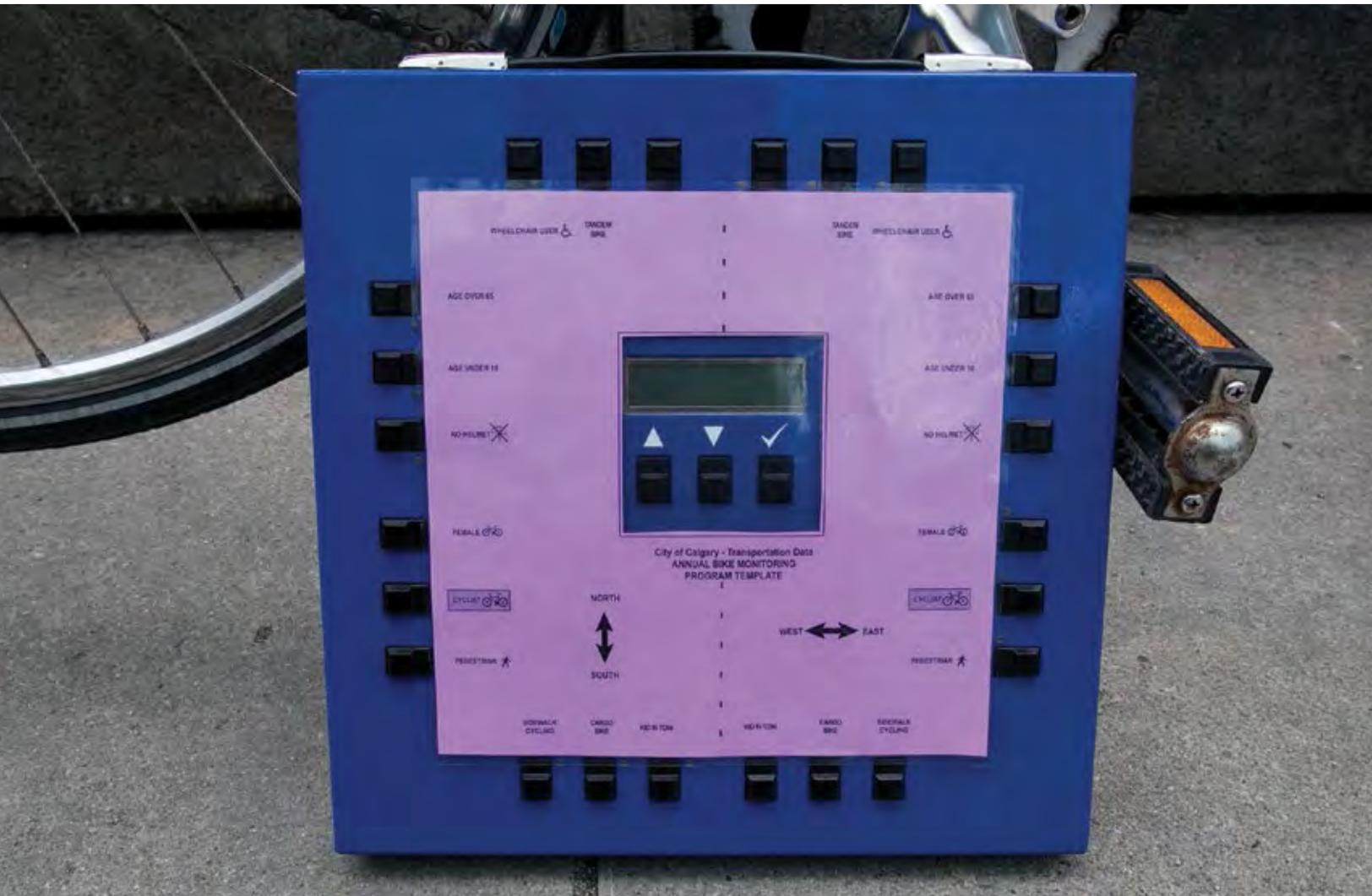
The data for the Bicycle Count was manually collected using handheld electronic counters at 71 locations by City data collectors. The collection period was weekdays in May, June, July and September, between 6:30 to 9:30 a.m. and 3:30 to 6:30 p.m., which formed a six-hour count period. The intent of the count is to capture the number of bicycle trips and demographic information at the same locations year after year, helping gauge long term trends in cycling during warmer months. Weather and construction detours can cause fluctuation in bike trip volumes.

The Bicycle Count is intended to provide a snapshot of bicycle use in different locations over time and does not monitor all bicycle trips in Calgary. **For more bicycle data**

and resource information, please see page 14. The complete 2014 data is available in Appendix B. A comparison of the 50 locations counted in both 2013 and 2014 is provided in Appendix C.

Data collected included:

- Number of cyclists.
- Age of cyclists (Under 18, 18 to 65, and over 65).
- Gender of cyclists.
- Number of cyclists riding with or without helmets.
- People walking or using a wheelchair or mobility scooter (Appendix A).



How and where the data was collected

Location index

North West

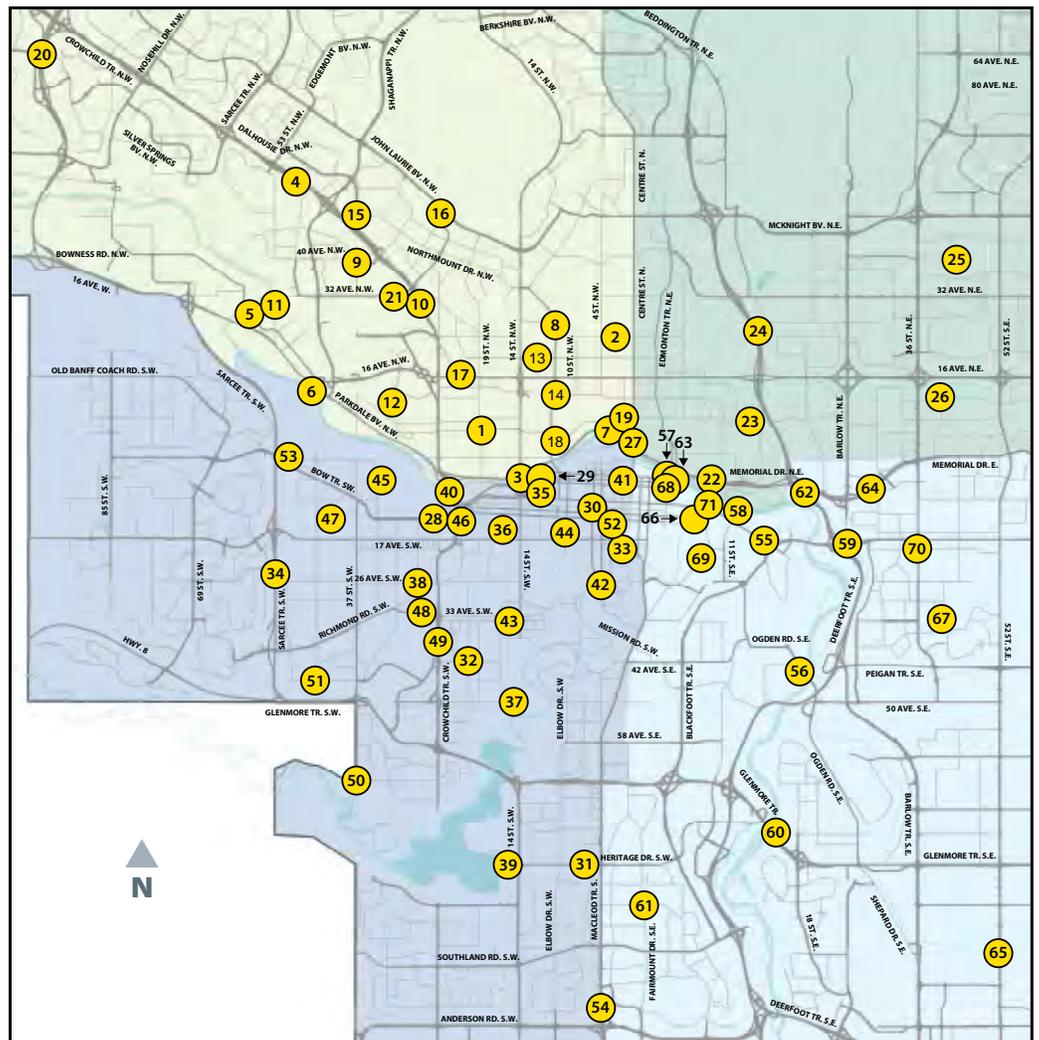
- 1 19 Street and 5 Avenue N.W.
- 2 2 Street and 24 Avenue N.W.
- 3 Bow River pathway and 14 Street N.W.
- 4 Dalhousie LRT Station pathway intersection west of Vienna Drive N.W.
- 5 John Hexall Bridge over the Bow River N.W.
- 6 Harry Boothman Bridge over Bow River N.W. (At Edworthy Park)
- 7 Prince's Island Bridge over Memorial Drive N.W.
- 8 10 Street N.W. and Confederation Park pathway
- 9 37 Street and 40 Avenue N.W.
- 10 University LRT Bridge over Crowchild Tr N.W.
- 11 Home Road and 52 Street N.W.
- 12 29 Street N.W. at Foothills Hospital path crossing near 11 Avenue N.W.
- 13 12 Street and 20 Avenue N.W.
- 14 10 Street and 13 Avenue N.W.
- 15 **Northland Drive and Northmount Drive N.W.**
- 16 **John Laurie Boulevard pathway at Charleswood Drive N.W.**
- 17 **Pedestrian bridge over 16 Avenue N.W. near 21 Street N.W.**
- 18 **9A Street and 3 Avenue N.W.**
- 19 **1 Street and 8 Avenue N.W.**
- 20 **Schooner Landing Bridge (at Schooner Landing N.W.)**
- 21 **32 Avenue and Campus Drive N.W.**

North East

- 22 Bridgeland LRT Bridge over Memorial Drive N.E.
- 23 8 Avenue and Deerfoot Trail (near 13A Street N.E.)
- 24 Pedestrian bridge over Deerfoot Trail N.E. (Fox Hollow)
- 25 Whitehorn pathway intersection N.E.
- 26 **Marbank Drive and Marlborough Way N.E.**
- 27 **Centre Street and Samis Road N.E.**

South West

- 28 Pedestrian bridge over Bow Trail near 24 Street S.W.
- 29 Bow River Pathway and 11 Street S.W.
- 30 5 Street and 10 Avenue S.W.
- 31 Heritage Drive and Haddon Road S.W.
- 32 20 Street and 42 Avenue S.W.
- 33 Elbow River Pedestrian Bridge near 1 Street and 19 Avenue S.W.
- 34 Pedestrian bridge over Sarcee Trail north of 26 Avenue S.W.
- 35 11 Street and 8 Avenue S.W.
- 36 16 Street and 15 Avenue S.W.
- 37 14A Street and 50 Avenue S.W.



Quadrant ■ N.E. ■ N.W. ■ S.E. ■ S.W.

0 1.25 2.5 5
Kilometers

- 38 26 Street and 26 Avenue S.W.
- 39 Glenmore Reservoir pathway and Heritage Drive S.W.
- 40 Bow River pathway and Crowchild Trail S.W.
- 41 1 Street and 5 Avenue S.W.
- 42 Elbow River pathway and 4 Street S.W.
- 43 15 Street and 34 Avenue S.W. (West Leg)
- 44 8 Street and 15 Avenue S.W.
- 45 Cedar Crescent S.W. (east of Hemlock Crescent S.W. at pathway trailhead)
- 46 Pedestrian bridge over Crowchild Trail near Sonora Avenue and Summit Street S.W.
- 47 **42 Street and 13 Avenue S.W.**
- 48 **Pedestrian bridge over 33 Avenue S.W.**
- 49 **Pedestrian bridge over Crowchild Trail S.W. (Ypres Ln S.W.)**

- 50 **37 Street and 66 Avenue S.W.**
 - 51 **45 Street and 46 Avenue S.W.**
 - 52 **2 Street and 13 Avenue S.W.**
 - 53 **Edworthy Street and Spruce Drive S.W.**
- South East**
- 54 Anderson LRT Bridge over Macleod Trail S.E.
 - 55 Intersection of 9 Avenue, 17 Avenue and 15 Street S.E.
 - 56 Bow River pathway near Ogden Road S.E.
 - 57 4 Avenue and Riverfront Avenue S.E.
 - 58 Bow River pathway Bridge and 12 Street S.E.
 - 59 17 Avenue S.E. over the Bow River
 - 60 Bow River pathway near Glenmore Trail S.E.
 - 61 Fairmount Drive and Acadia Drive S.E.

- 62 Bow River pathway near Calgary weir
- 63 5 Street and Riverfront Avenue S.E.
- 64 Franklin LRT Bridge over Memorial Drive S.E.
- 65 52 Street S.E. Bridge
- 66 MacDonal Bridge and 7 Street S.E.
- 67 **Dovercliffe Way S.E. (west of 41 Street S.E. at pathway trailhead)**
- 68 **4 Street and 6 Avenue S.E.**
- 69 **Spiller Road and 21 Avenue S.E./ Burns Avenue S.E.**
- 70 **36 Street and 19 Avenue S.E.**
- 71 **8 Street and 8 Avenue S.E.**

Note:
Bold locations are new for 2014.

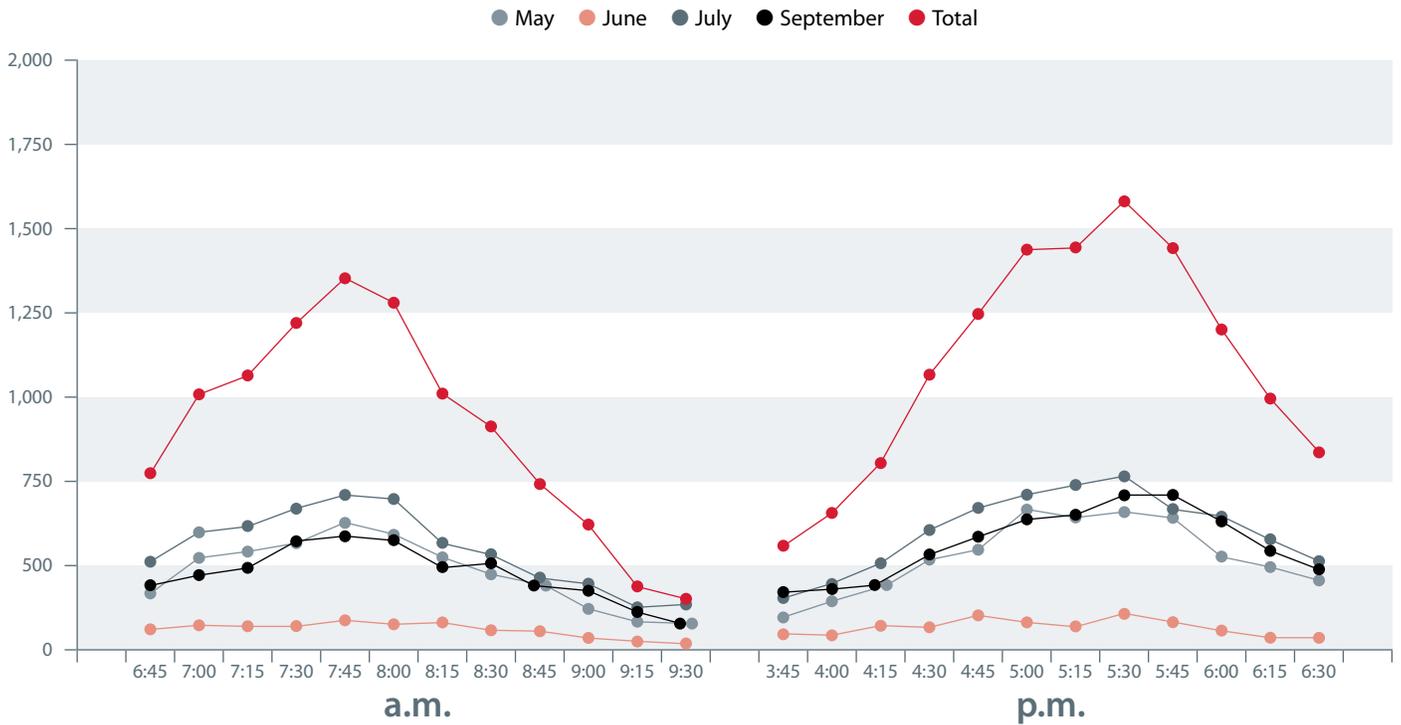
General data collection results

Cycling volumes cycling peak hours

The peak morning hour for cycling in 2014 was 7:00 – 8:00 a.m. and the afternoon peak hour was 4:45 – 5:45 p.m. 47 per cent of cyclists counted in the morning period were counted during the peak morning hour.

45 per cent of cyclists counted in the afternoon period were counted during the peak afternoon hour.

2014 Cycling volumes by time

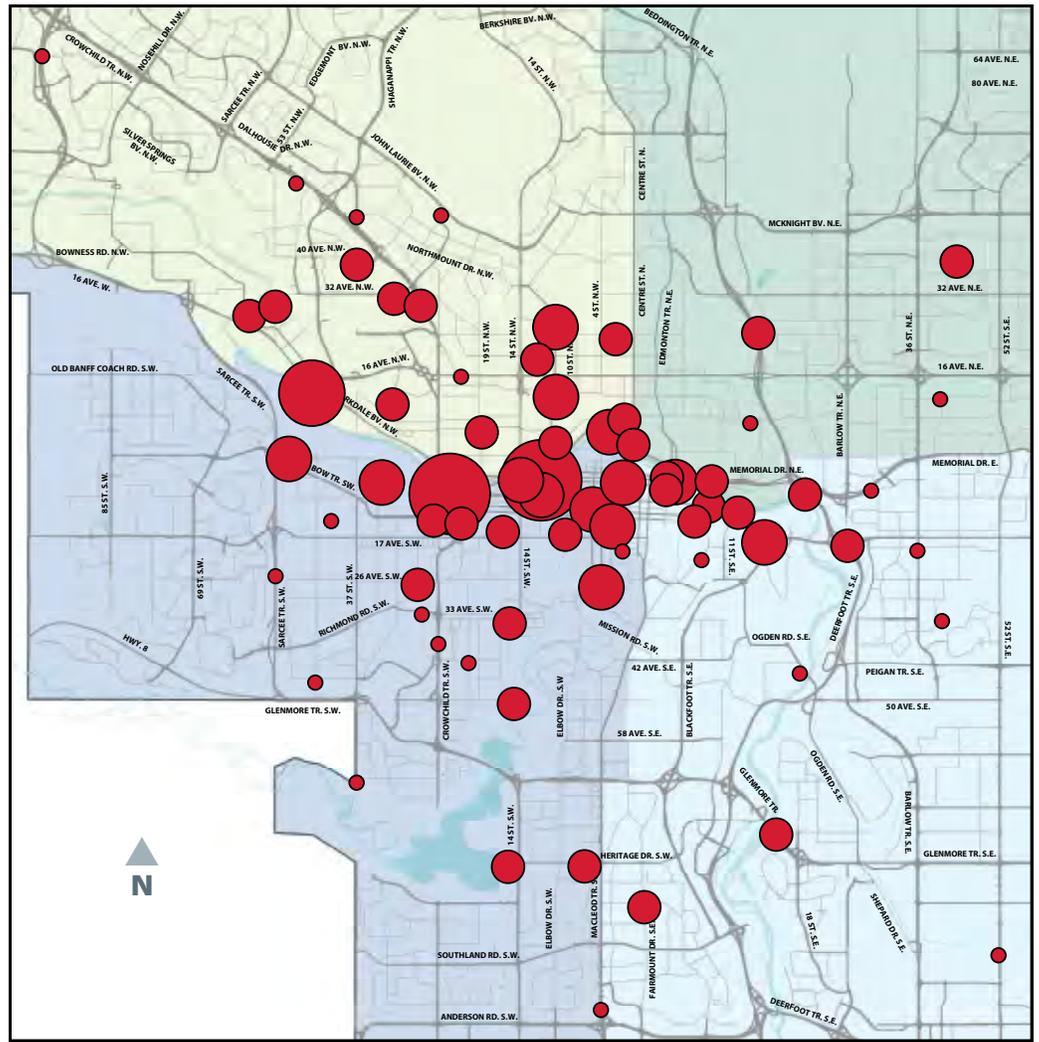


General data collection results

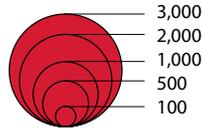
Cycling volumes

25,226 cyclists were counted at 71 locations in six-hour data collection time periods. The top three count locations were all on the Bow River Pathway between the west edge of downtown and Edworthy Park.

In the Centre City, 14 locations were counted and out of these, eight Centre City locations recorded more than 500 cyclists in the six-hour data collection period. Over 40 per cent of all cyclists, 10,082 cyclists in total, were recorded at Centre City count locations.



Cyclists



Quadrant

N.E. N.W. S.E. S.W.

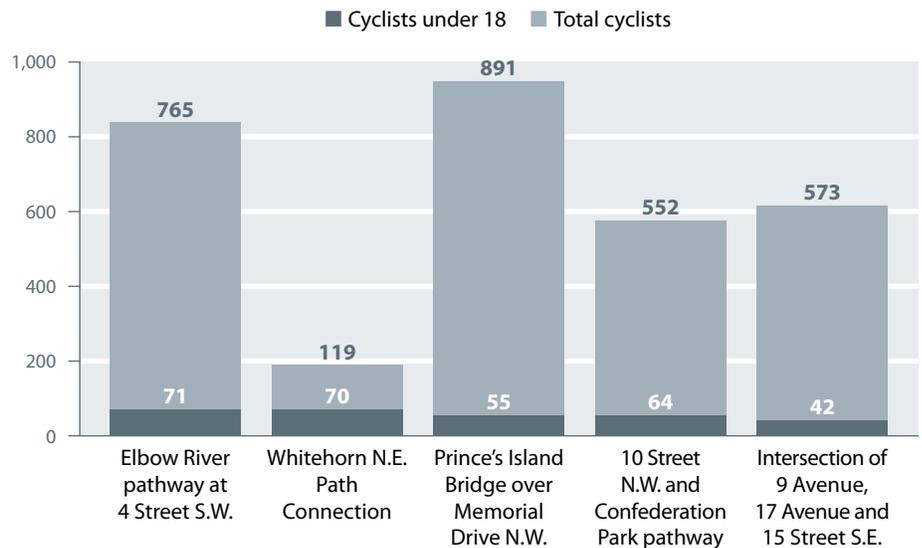


Six-hour weekday count: 6:30 – 9:30 a.m., 3:30 – 6:30 p.m. in May, June, July and September 2014

Demographics by age

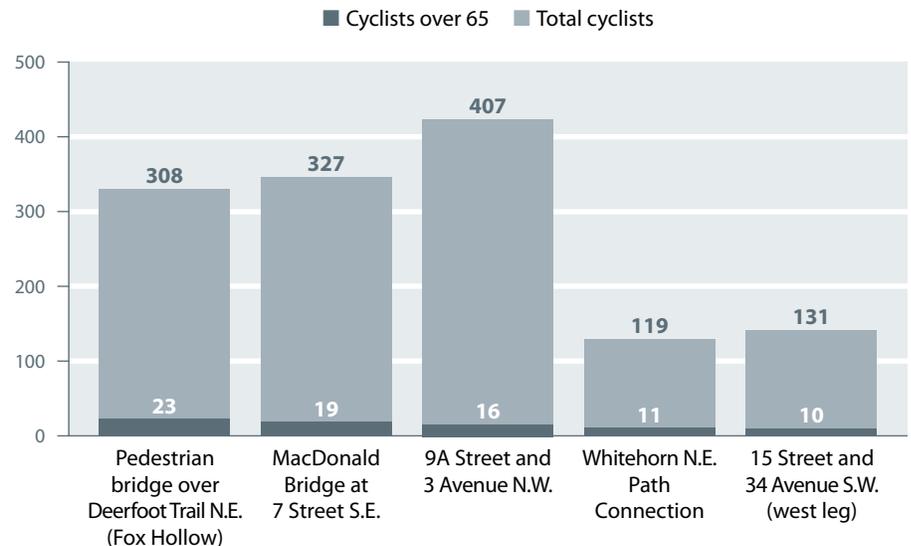
Top five cycling locations for under 18

- Approximately 2 per cent of all cyclists counted were under the age of 18.
- The largest total number of under 18 cyclists were observed at the Elbow River pathway at 4 Street S.W., with 71 cyclists under 18 years of age counted in a six-hour period. Under 18 cyclists made up 9 per cent of all cyclists at this location.
- The highest proportion of under 18 cyclists was found at the Whitehorn pathway intersection N.E., with 56 per cent of all cyclists at that location under 18 years of age. In total, 70 cyclists under 18 years of age were counted at this location.



Top five cycling locations for over 65

- Approximately 1 per cent of all cyclists counted were over the age of 65.
- The largest total number of cyclists over 65 years of age was located on the Pedestrian bridge over Deerfoot Trail N.E. (Fox Hollow) with 23 cyclists over 65 years of age counted in a six-hour period. Cyclists over 65 years of age made up 8 per cent of all cyclists at this location.
- The highest proportion of individuals over 65 cycling occurred at the Whitehorn pathway intersection N.E., with 9 per cent of total cyclists over 65.

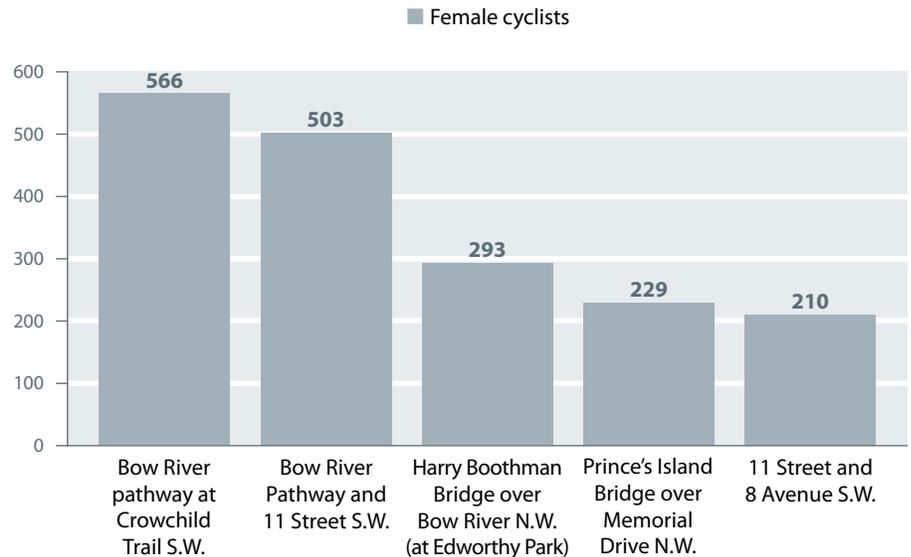


Demographics by gender

Females

- On average, females comprised 22 per cent of all cyclists counted, this is an overall increase of 1 per cent from 2013 – 2014.
- The largest number of female cyclists was recorded on the Bow River pathway at Crowchild Trail S.W., with 566 female cyclists counted.
- The highest proportion of female cyclists, 44 per cent, was observed at 29 Street N.W. at Foothills Hospital path crossing near 11 Avenue N.W., for the second year in a row.

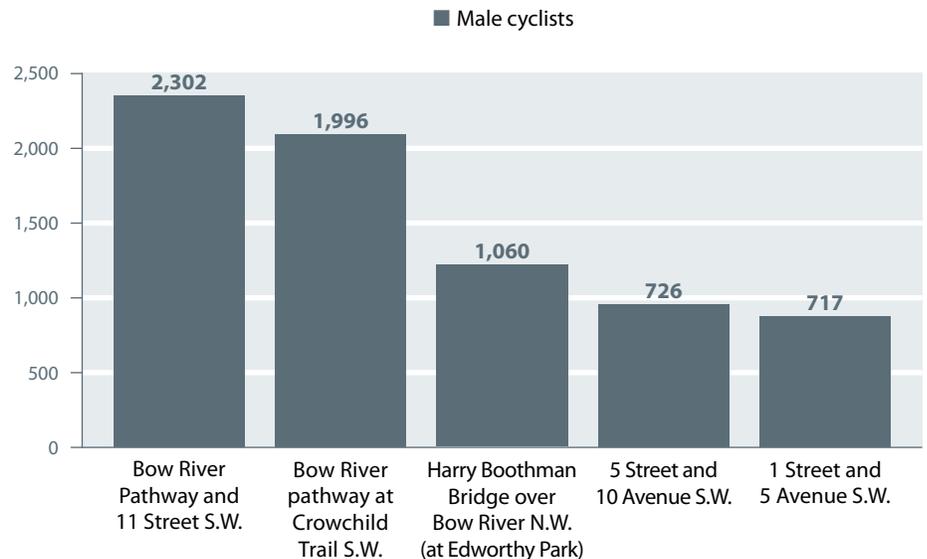
Top female cycling locations



Males

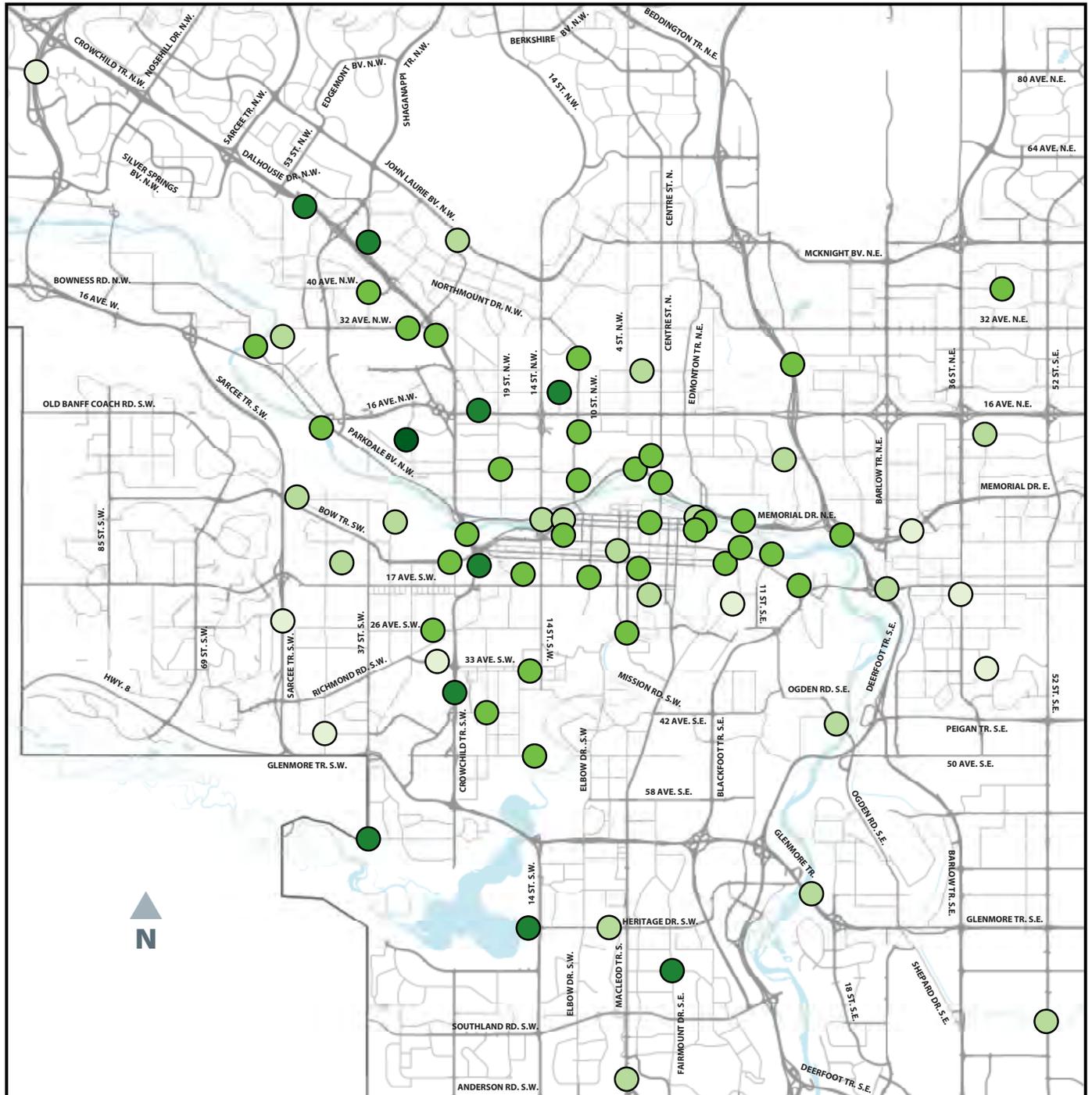
- Approximately 78 per cent of all cyclists counted were male, this is decrease of 1 per cent from 2013 – 2014.
- The highest number of male cyclists were counted at the Bow River pathway at Crowchild Trail S.W. with 2,302 male cyclists.
- The highest proportion of male cyclists were observed at Franklin LRT Bridge over Memorial Drive S.E. where 100 per cent of cyclists were observed to be male.

Top male cycling locations



Demographics by gender

Female



Female cyclists as a percentage of total cyclists

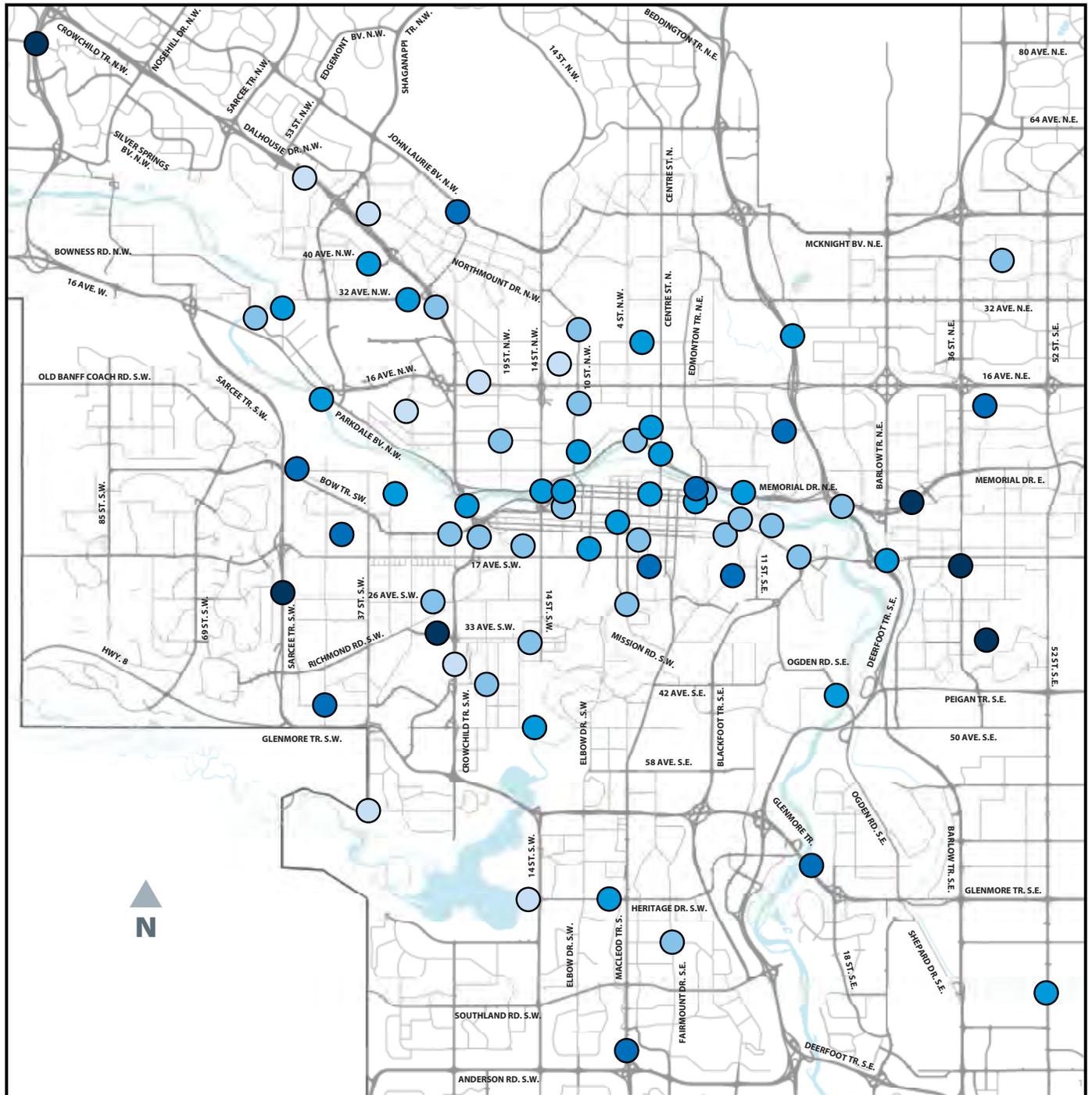
- 0 – 10%
- 10 – 20%
- 20 – 30%
- 30 – 40%
- 40 – 50%



Six-hour weekday count: 6:30 – 9:30 a.m., 3:30 – 6:30 p.m. in May, June, July and September 2014

Demographics by gender

Male



Male cyclists as a percentage of total cyclists

- 50 – 60%
- 60 – 70%
- 70 – 80%
- 80 – 90%
- 90 – 100%



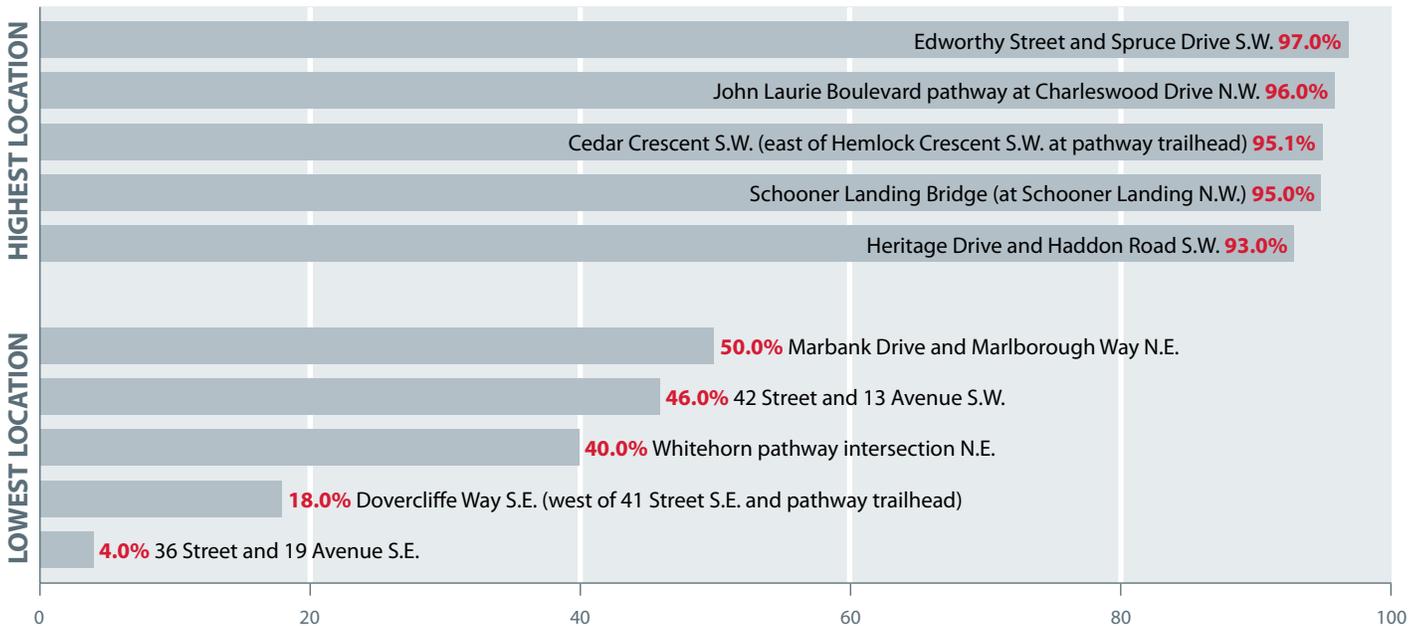
Six-hour weekday count: 6:30 – 9:30 a.m., 3:30 – 6:30 p.m. in May, June, July and September 2014

Helmetts

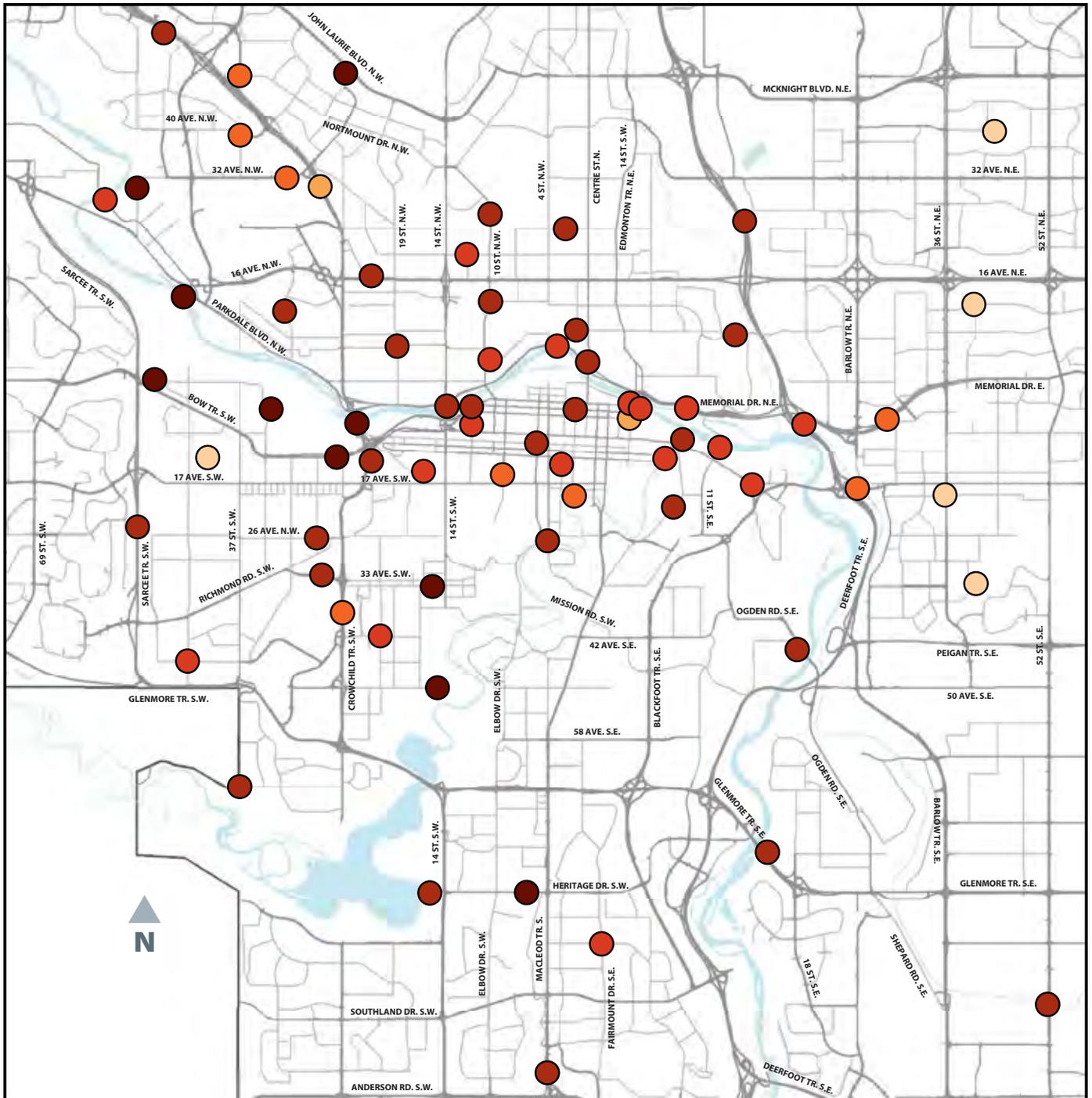
Helmet use

84 per cent of cyclists counted wore helmets. This is a decrease of 2 per cent from 2013. The highest proportion of cyclists observed wearing helmets was at Edworthy Street and Spruce Drive S.W. with 97 per cent of all cyclists wearing helmets. The lowest proportion of cyclists observed wearing helmets was at 36 Street and 19 Avenue S.E. with 4 per cent of cyclists wearing helmets.

2014 Helmet usage locations



Helmets



Cyclists wearing helmets as a percentage of total cyclists



Six-hour weekday count: 6:30 – 9:30 a.m., 3:30 – 6:30 p.m. in May, June, July and September 2014

Pedestrians, wheelchairs and mobile scooters

In conjunction with the bicycle count, The City of Calgary also counted people walking or using a wheelchair or mobility scooter at each location. This information provides The City with an understanding of all active modes at each count location, which helps with planning projects and tracking trends over time. Data regarding age and gender of people walking or using a wheelchair or mobility scooter was not collected. In total, 56,486, pedestrians were counted and 40 wheelchair and mobile scooter users were counted.

The largest volumes of pedestrians (10,524) was counted at the intersection of 1 Street and 5 Avenue S.W. The location counted with the fewest pedestrians (4) was the Bow River pathway near Ogden Road S.E. The location with the greatest number of people using wheelchairs and mobile scooters (6) was the intersection of 4 Street and 6 Avenue S.E., in East Village. For additional count data regarding people walking or using a wheelchair or mobility scooter see Appendix A.

The top ten locations with the most pedestrians were:

1. 1 Street and 5 Avenue S.W. (10,524)
2. University LRT Bridge over Crowchild Trail N.W. (9,596)
3. 5 Street and 10 Avenue S.W. (4,172)
4. 32 Avenue and Campus Drive N.W. (2,489)
5. 9A Street and 3 Avenue N.W. (2,434)
6. Prince's Island Bridge over Memorial Drive N.W. (2,390)
7. 8 Street and 15 Avenue S.W. (2,266)
8. 11 Street and 8 Avenue S.W. (2,253)
9. Franklin LRT Bridge over Memorial Drive S.E. (1,789)
10. 4 Avenue and Riverfront Avenue S.E. (1,304)

Data resources

Bicycle program data resources

[Bicycle Program homepage](#)

[Cycling Strategy](#)

[Bicycle Data homepage](#)

[Centre City cycle track network pilot project](#)

[2013 Yearbook](#)

[Bike Program fact sheet](#)

[Planned Bikeway Improvements](#)

[Transportation Data Division](#)

Appendices



Appendix A: 2014 Cyclist, pedestrian, wheelchair and mobility scooter volumes (six-hour)

QUADRANT	ID	LOCATION	CYCLISTS	PEDESTRIANS	WHEELCHAIR AND MOBILITY SCOOTERS*
N.W.	1	19 Street and 5 Avenue N.W.	251	304	0
	2	2 Street and 24 Avenue N.W.	110	126	0
	3	Bow River pathway and 14 Street N.W.	715	624	0
	4	Dalhousie LRT Station pathway intersection west of Vienna Drive N.W.	24	401	0
	5	John Hextall Bridge over the Bow River N.W.	278	193	2
	6	Harry Boothman Bridge over Bow River N.W. (At Edworthy Park)	1353	742	3
	7	Prince's Island Bridge over Memorial Drive N.W.	891	2390	1
	8	10 Street N.W. and Confederation Park pathway	522	465	0
	9	37 Street and 40 Avenue N.W.	315	352	0
	10	University LRT Bridge over Crowchild Tr N.W.	197	9596	2
	11	Home Road and 52 Street N.W.	281	46	1
	12	29 Street N.W. at Foothills Hospital path crossing near 11 Avenue N.W.	330	356	0
	13	12 Street and 20 Avenue N.W.	156	271	0
	14	10 Street and 13 Avenue N.W.	613	645	0
	15	Northland Drive and Northmount Drive N.W.	43	328	0
	16	John Laurie Boulevard pathway at Charleswood Drive N.W.	27	62	0
	17	Pedestrian bridge over 16 Avenue N.W. near 21 Street N.W.	46	70	0
	18	9A Street and 3 Avenue N.W.	407	2434	3
	19	1 Street and 8 Avenue N.W.	259	186	1
	20	Schooner Landing Bridge (At Schooner Landing N.W.)	19	6	0
	21	32 Avenue and Campus Drive N.W.	340	2489	0
N.E.	22	Bridgeland LRT Bridge over Memorial Drive N.E.	238	139	1
	23	8 Avenue and Deerfoot Trail (near 13a Street N.E.)	75	22	0
	24	Pedestrian bridge over Deerfoot Trail N.E. (Fox Hollow)	308	25	1
	25	Whitehorn pathway intersection N.E.	119	397	2
	26	Marbank Drive and Marlborough Way N.E.	26	182	0
	27	Centre Street and Samis Road N.E.	254	1297	1
S.W.	28	Pedestrian bridge over Bow Trail near 24 Street S.W.	458	102	0
	29	Bow River Pathway and 11 Street S.W.	2805	966	0
	30	5 Street and 10 Avenue S.W.	900	4172	2
	31	Heritage Drive and Haddon Road S.W.	221	219	1
	32	20 Street and 42 Avenue S.W.	88	274	0
	33	Elbow River Pedestrian Bridge near 1 Street and 19 Avenue S.W.	57	514	0
	34	Pedestrian bridge over Sarcee Trail north of 26 Avenue S.W.	29	163	0
	35	11 Street and 8 Avenue S.W.	737	2253	3
	36	16 Street and 15 Avenue S.W.	202	168	1
	37	14A Street and 50 Avenue S.W.	313	110	0
	38	26 Street and 26 Avenue S.W.	318	63	0
	39	Glenmore Reservoir pathway and Heritage Drive S.W.	493	312	0
	40	Bow River pathway at Crowchild Trail S.W.	2562	316	0
	41	1 Street and 5 Avenue S.W.	898	10524	1
	42	Elbow River pathway and 4 Street S.W.	765	933	0
	43	15 Street and 34 Avenue S.W. (West Leg)	131	99	0
	44	8 Street and 15 Avenue S.W.	415	2266	2
	45	Cedar Crescent S.W. (east of Hemlock Crescent S.W. at pathway trailhead)	505	183	0
	46	Pedestrian bridge over Crowchild Trail near Sonora Avenue and Summit Street S.W.	122	71	0
	47	42 Street and 13 Avenue S.W.	13	118	0
	48	Pedestrian bridge over 33 Avenue S.W.	35	35	0
	49	Pedestrian bridge over Crowchild Trail S.W. (Ypres Ln S.W.)	20	119	0
	50	37 Street and 66 Avenue S.W.	48	147	0
	51	45 Street and 46 Avenue S.W.	14	102	0
52	2 Street and 13 Avenue S.W.	811	1296	0	
53	Edworthy Street and Spruce Drive S.W.	703	68	0	
S.E.	54	Anderson LRT Bridge over Macleod Trail S.E.	41	837	0
	55	Intersection of 9 Avenue, 17 Avenue and 15 Street S.E.	573	516	0
	56	Bow River pathway near Ogden Road S.E.	82	4	0
	57	4 Avenue and Riverfront Avenue S.E.	322	1304	1
	58	Bow River pathway Bridge and 12 Street S.E.	143	110	0
	59	17 Avenue S.E. over the Bow River	186	24	0
	60	Bow River pathway near Glenmore Trail S.E.	120	64	0
	61	Fairmount Drive and Acadia Drive S.E.	114	203	0
	62	Bow River pathway near Calgary weir	219	19	0
	63	5 Street and Riverfront Avenue S.E.	591	272	3
	64	Franklin LRT Bridge over Memorial Drive S.E.	51	1789	1
	65	52 Street S.E. Bridge	28	23	0
	66	MacDonald Bridge and 7 Street S.E.	327	203	1
	67	Dovercliffe Way S.E. (west of 41 Street S.E. at pathway trailhead)	11	56	0
	68	4 Street and 6 Avenue S.E.	155	1006	6
	69	Spiller Road and 21 Avenue S.E./Burns Avenue S.E.	65	124	0
	70	36 Street and 19 Avenue S.E.	25	84	0
	71	8 Street and 8 Avenue S.E.	313	107	0
TOTAL			25,226	56,486	40

Six-hour counts collected on weekdays in May, June, July and September of 2014. *Data collected under wheelchair and mobility scooters includes motorized and non-motorized wheelchairs and mobility scooters.

Appendix B: 2014 Cycling demographic data (six-hour)

QUADRANT	ID	LOCATION	TOTAL CYCLISTS (ALL DIRECTIONS)	GENDER				HELMET USE				AGE					
				FEMALE CYCLISTS		MALE CYCLISTS		WEARING HELMETS		NOT WEARING HELMETS		CYCLISTS UNDER 18		CYCLISTS 18 – 65		CYCLISTS OVER 65	
				#	%	#	%	#	%	#	%	#	%	#	%	#	%
N.W.	1	19 Street and 5 Avenue N.W.	251	69	27.5%	182	72.5%	212	84.5%	39	15.5%	22	8.8%	226	90.0%	3	1.2%
	2	2 Street and 24 Avenue N.W.	110	21	19.1%	89	80.9%	97	88.2%	13	11.8%	5	4.5%	103	93.6%	2	1.8%
	3	Bow River pathway and 14 Street N.W.	715	142	19.9%	573	80.1%	615	86.0%	100	14.0%	2	0.3%	704	98.5%	9	1.3%
	4	Dalhousie LRT Station pathway intersection west of Vienna Drive N.W.	24	9	37.5%	15	62.5%	21	87.5%	3	12.5%	2	8.3%	21	87.5%	1	4.2%
	5	John Hextall Bridge over the Bow River N.W.	278	67	24.1%	211	75.9%	217	78.1%	61	21.9%	15	5.4%	259	93.2%	4	1.4%
	6	Harry Boothman Bridge over Bow River N.W. (At Edworthy Park)	1353	293	21.7%	1060	78.3%	1233	91.1%	120	8.9%	24	1.8%	1325	97.9%	4	0.3%
	7	Prince's Island Bridge over Memorial Drive N.W.	891	229	25.7%	662	74.3%	675	75.8%	216	24.2%	55	6.2%	834	93.6%	2	0.2%
	8	10 Street N.W. and Confederation Park pathway	522	126	24.1%	396	75.9%	460	88.1%	62	11.9%	54	10.3%	460	88.1%	8	1.5%
	9	37 Street and 40 Avenue N.W.	315	65	20.6%	250	79.4%	215	68.3%	100	31.7%	6	1.9%	302	95.9%	7	2.2%
	10	University LRT Bridge over Crowchild Tr N.W.	197	49	24.9%	148	75.1%	111	56.3%	86	43.7%	3	1.5%	194	98.5%	0	0.0%
	11	Home Road and 52 Street N.W.	281	47	16.7%	234	83.3%	258	91.8%	23	8.2%	1	0.4%	276	98.2%	4	1.4%
	12	29 Street N.W. at Foothills Hospital path crossing near 11 Avenue N.W.	330	144	43.6%	186	56.4%	296	89.7%	34	10.3%	4	1.2%	325	98.5%	1	0.3%
	13	12 Street and 20 Avenue N.W.	156	59	37.8%	97	62.2%	111	71.2%	45	28.8%	6	3.8%	148	94.9%	2	1.3%
	14	10 Street and 13 Avenue N.W.	613	151	24.6%	462	75.4%	510	83.2%	103	16.8%	2	0.3%	610	99.5%	1	0.2%
	15	Northland Drive and Northmount Drive N.W.	43	15	34.9%	28	65.1%	28	65.1%	15	34.9%	4	9.3%	38	88.4%	1	2.3%
	16	John Laurie Boulevard pathway at Charleswood Drive N.W.	27	4	14.8%	23	85.2%	26	96.3%	1	3.7%	1	3.7%	26	96.3%	0	0.0%
	17	Pedestrian bridge over 16 Avenue N.W. near 21 Street N.W.	46	17	37.0%	29	63.0%	41	89.1%	5	10.9%	4	8.7%	40	87.0%	2	4.3%
	18	9A Street and 3 Avenue N.W.	407	87	21.4%	320	78.6%	324	79.6%	83	20.4%	3	0.7%	388	95.3%	16	3.9%
	19	1 Street and 8 Avenue N.W.	259	55	21.2%	204	78.8%	222	85.7%	37	14.3%	2	0.8%	256	98.8%	1	0.4%
	20	Schooner Landing Bridge (at Schooner Landing N.W.)	19	0	0.0%	19	100.0%	18	94.7%	1	5.3%	0	0.0%	19	100.0%	0	0.0%
	21	32 Avenue and Campus Drive N.W.	340	73	21.5%	267	78.5%	214	62.9%	126	37.1%	15	4.4%	322	94.7%	3	0.9%
N.E.	22	Bridgeland LRT Bridge over Memorial Drive N.E.	238	51	21.4%	187	78.6%	186	78.2%	52	21.8%	5	2.1%	226	95.0%	7	2.9%
	23	8 Avenue and Deerfoot Trail (near 13a Street N.E.)	75	9	12.0%	66	88.0%	64	85.3%	11	14.7%	3	4.0%	69	92.0%	3	4.0%
	24	Pedestrian bridge over Deerfoot Trail N.E. (Fox Hollow)	308	65	21.1%	243	78.9%	259	84.1%	49	15.9%	6	1.9%	279	90.6%	23	7.5%
	25	Whitehorn pathway intersection N.E.	119	32	58.8%	87	73.1%	48	40.3%	71	59.7%	70	58.8%	38	31.9%	11	9.2%
	26	Marbank Drive and Marlborough Way N.E.	26	3	11.5%	23	88.5%	13	50.0%	13	50.0%	11	42.3%	15	57.7%	0	0.0%
	27	Centre Street and Samis Road N.E.	254	54	21.3%	200	78.7%	206	81.1%	48	18.9%	2	0.8%	251	98.8%	1	0.4%
	28	Pedestrian bridge over Bow Trail near 24 Street S.W.	458	117	25.5%	341	74.5%	419	91.5%	39	8.5%	3	0.7%	453	98.9%	2	0.4%
S.W.	29	Bow River Pathway and 11 Street S.W.	2805	503	17.9%	2302	82.1%	2521	89.9%	284	10.1%	7	0.2%	2797	99.7%	1	0.0%
	30	5 Street and 10 Avenue S.W.	900	174	19.3%	726	80.7%	745	82.8%	155	17.2%	1	0.1%	892	99.1%	7	0.8%
	31	Heritage Drive and Haddon Road S.W.	221	39	17.6%	182	82.4%	206	93.2%	15	6.8%	11	5.0%	208	94.1%	2	0.9%
	32	20 Street and 42 Avenue S.W.	88	23	26.1%	65	73.9%	69	78.4%	19	21.6%	34	38.6%	54	61.4%	0	0.0%
	33	Elbow River Pedestrian Bridge near 1 Street and 19 Avenue S.W.	57	8	14.0%	49	86.0%	35	61.4%	22	38.6%	0	0.0%	54	94.7%	3	5.3%
	34	Pedestrian bridge over Sarcee Trail north of 26 Avenue S.W.	29	1	3.4%	28	96.6%	26	89.7%	3	10.3%	2	6.9%	27	93.1%	0	0.0%
	35	11 Street and 8 Avenue S.W.	737	210	28.5%	527	71.5%	530	71.9%	207	28.1%	17	2.3%	720	97.7%	0	0.0%
	36	16 Street and 15 Avenue S.W.	202	51	25.2%	151	74.8%	153	75.7%	49	24.3%	2	1.0%	191	94.6%	9	4.5%
	37	14A Street and 50 Avenue S.W.	313	70	22.4%	243	77.6%	288	92.0%	25	8.0%	1	0.3%	311	99.4%	1	0.3%
	38	26 Street and 26 Avenue S.W.	318	89	28.0%	229	72.0%	273	85.8%	45	14.2%	8	2.5%	310	97.5%	0	0.0%
	39	Glenmore Reservoir pathway and Heritage Drive S.W.	493	171	34.7%	322	65.3%	415	84.2%	78	15.8%	15	3.0%	473	95.9%	5	1.0%
	40	Bow River pathway and Crowchild Trail S.W.	2562	566	22.1%	1996	77.9%	2341	91.4%	221	8.6%	9	0.4%	2551	99.6%	2	0.1%
	41	1 Street and 5 Avenue S.W.	898	181	20.2%	717	79.8%	746	83.1%	152	16.9%	2	0.2%	896	99.8%	0	0.0%
	42	Elbow River pathway and 4 Street S.W.	765	193	25.2%	572	74.8%	675	88.2%	90	11.8%	71	9.3%	688	89.9%	6	0.8%
	43	15 Street and 34 Avenue S.W. (West Leg)	131	38	29.0%	93	71.0%	120	91.6%	11	8.4%	2	1.5%	119	90.8%	10	7.6%
	44	8 Street and 15 Avenue S.W.	415	95	22.9%	320	77.1%	274	66.0%	141	34.0%	7	1.7%	405	97.6%	3	0.7%
	45	Cedar Crescent S.W. (east of Hemlock Crescent S.W. at pathway trailhead)	505	93	18.4%	412	81.6%	480	95.0%	25	5.0%	0	0.0%	500	99.0%	5	1.0%
	46	Pedestrian bridge over Crowchild Trail near Sonora Avenue and Summit Street S.W.	122	37	30.3%	85	69.7%	107	87.7%	15	12.3%	3	2.5%	119	97.5%	0	0.0%
	47	42 Street and 13 Avenue S.W.	13	2	15.4%	11	84.6%	6	46.2%	7	53.8%	5	38.5%	8	61.5%	0	0.0%
	48	Pedestrian bridge over 33 Avenue S.W.	35	1	2.9%	34	97.1%	30	85.7%	5	14.3%	3	8.6%	32	91.4%	0	0.0%
	49	Pedestrian bridge over Crowchild Trail S.W. (Ypres Ln S.W.)	20	8	40.0%	12	60.0%	14	70.0%	6	30.0%	11	55.0%	9	45.0%	0	0.0%
	50	37 Street and 66 Avenue S.W.	48	16	33.3%	32	66.7%	41	85.4%	7	14.6%	1	2.1%	44	91.7%	3	6.3%
	51	45 Street and 46 Avenue S.W.	14	1	7.1%	13	92.9%	11	78.6%	3	21.4%	0	0.0%	14	100.0%	0	0.0%
	52	2 Street and 13 Avenue S.W.	811	191	23.6%	620	76.4%	636	78.4%	175	21.6%	0	0.0%	811	100.0%	0	0.0%
	53	Edworthy Street and Spruce Drive S.W.	703	77	11.0%	626	89.0%	681	96.9%	22	3.1%	0	0.0%	697	99.1%	6	0.9%

Appendix B: 2014 Cycling demographic data (six-hour) CONTINUED

QUADRANT	ID	LOCATION	TOTAL CYCLISTS (ALL DIRECTIONS)	GENDER				HELMET USE				AGE					
				FEMALE CYCLISTS		MALE CYCLISTS		WEARING HELMETS		NOT WEARING HELMETS		CYCLISTS UNDER 18		CYCLISTS 18 – 65		CYCLISTS OVER 65	
				#	%	#	%	#	%	#	%	#	%	#	%	#	%
S.E.	54	Anderson LRT Bridge over Macleod Trail S.E.	41	6	14.6%	35	85.4%	34	82.9%	7	17.1%	4	9.8%	37	90.2%	0	0.0%
	55	Intersection of 9 Avenue, 17 Avenue and 15 Street S.E.	573	148	25.8%	425	74.2%	453	79.1%	120	20.9%	42	7.3%	531	92.7%	0	0.0%
	56	Bow River pathway near Ogden Road S.E.	82	14	17.1%	68	82.9%	71	86.6%	11	13.4%	0	0.0%	79	96.3%	3	3.7%
	57	4 Avenue and Riverfront Avenue S.E.	322	39	12.1%	283	87.9%	229	71.1%	93	28.9%	3	0.9%	319	99.1%	0	0.0%
	58	Bow River pathway Bridge and 12 Street S.E.	143	41	28.7%	102	71.3%	107	74.8%	36	25.2%	0	0.0%	142	99.3%	1	0.7%
	59	17 Avenue S.E. over the Bow River	186	36	19.4%	150	80.6%	115	61.8%	71	38.2%	3	1.6%	181	97.3%	2	1.1%
	60	Bow River pathway near Glenmore Trail S.E.	120	18	15.0%	102	85.0%	97	80.8%	23	19.2%	0	0.0%	120	100.0%	0	0.0%
	61	Fairmount Drive and Acadia Drive S.E.	114	35	30.7%	79	69.3%	87	76.3%	27	23.7%	20	17.5%	93	81.6%	1	0.9%
	62	Bow River pathway near Calgary weir	219	54	24.7%	165	75.3%	170	77.6%	49	22.4%	5	2.3%	210	95.9%	4	1.8%
	63	5 Street and Riverfront Avenue S.E.	591	141	23.9%	450	76.1%	453	76.6%	138	23.4%	2	0.3%	586	99.2%	3	0.5%
	64	Franklin LRT Bridge over Memorial Drive S.E.	51	0	0.0%	51	100.0%	33	64.7%	18	35.3%	2	3.9%	48	94.1%	1	2.0%
	65	52 Street S.E. Bridge	28	5	17.9%	23	82.1%	25	89.3%	3	10.7%	0	0.0%	28	100.0%	0	0.0%
	66	MacDonald Bridge and 7 Street S.E.	327	92	28.1%	235	71.9%	260	79.5%	67	20.5%	0	0.0%	308	94.2%	19	5.8%
	67	Dovercliffe Way S.E. (west of 41 Street S.E. at pathway trailhead)	11	0	0.0%	11	100.0%	2	18.2%	9	81.8%	6	54.5%	5	45.5%	0	0.0%
	68	4 Street and 6 Avenue S.E.	155	33	21.3%	122	78.7%	93	60.0%	62	40.0%	0	0.0%	155	100.0%	0	0.0%
	69	Spiller Road and 21 Avenue S.E./Burns Avenue S.E.	65	6	9.2%	59	90.8%	53	81.5%	12	18.5%	1	1.5%	64	98.5%	0	0.0%
	70	36 Street and 19 Avenue S.E.	25	0	0.0%	25	100.0%	1	4.0%	24	96.0%	0	0.0%	24	96.0%	1	4.0%
71	8 Street and 8 Avenue S.E.	313	83	26.5%	230	73.5%	273	87.2%	40	12.8%	9	2.9%	301	96.2%	3	1.0%	
	TOTAL		25,226	5,642	22.4%	19,584	77.6%	21,078	83.6%	4,148	16.4%	639	2.5%	24,368	96.6%	219	0.9%



Appendix C: 2013 and 2014 Cycling demographic data (six-hour)

QUADRANT	LOCATION	2013 TOTAL CYCLISTS (ALL DIRECTIONS)	2014 TOTAL CYCLISTS (ALL DIRECTIONS)	GENDER				HELMET USE				AGE					
				FEMALE CYCLISTS		MALE CYCLISTS		WEARING HELMET		NOT WEARING HELMET		CYCLISTS UNDER 18		CYCLISTS 18 – 65		CYCLISTS OVER 65	
				2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
N.W.	19 Street and 5 Avenue N.W.	218	251	61	69	157	182	185	212	33	39	42	22	174	226	2	3
	2 Street and 24 Avenue N.W.	178	110	15	21	163	89	154	97	24	13	3	5	175	103	0	2
	Bow River pathway and 14 Street N.W.	864	715	162	142	702	573	745	615	119	100	3	2	851	704	10	9
	Dalhousie LRT Station pathway intersection west of Vienna Drive N.W.	57	24	11	9	46	15	42	21	15	3	7	2	47	21	3	1
	John Hextall Bridge over the Bow River N.W.	186	278	42	67	144	211	147	217	39	61	6	15	176	259	4	4
	Harry Boothman Bridge over Bow River N.W. (at Edworthy Park)	871	1353	234	293	637	1060	822	1,233	49	120	22	24	838	1,325	11	4
	Prince's Island Bridge over Memorial Drive N.W.	916	891	127	229	789	662	715	675	201	216	6	55	910	834	0	2
	10 Street N.W. and Confederation Park pathway	373	522	77	126	296	396	335	460	38	62	0	54	370	460	3	8
	37 Street and 40 Avenue N.W.	253	315	60	65	193	250	148	215	105	100	0	6	253	302	0	7
	University LRT Bridge over Crowchild Tr. N.W.	223	197	55	49	168	148	132	111	91	86	7	3	213	194	3	0
Home Road and 52 Street N.W.	254	281	29	47	225	234	240	258	14	23	1	1	250	276	3	4	
29 Street N.W. at Foothills Hospital path crossing near 11 Avenue N.W.	317	330	123	144	194	186	295	296	22	34	3	4	311	325	3	1	
12 Street and 20 Avenue N.W.	100	156	30	59	70	97	76	111	24	45	1	6	99	148	0	2	
10 Street and 13 Avenue N.W.	483	613	113	151	370	462	400	510	83	103	4	2	476	610	3	1	
N.E.	Bridgeland LRT Bridge over Memorial Drive N.E.	408	238	70	51	338	187	345	186	63	52	3	5	395	226	10	7
	8 Avenue and Deerfoot Trail (near 13a Street N.E.)	75	75	23	9	52	66	60	64	15	11	1	3	74	69	0	3
	Pedestrian bridge over Deerfoot Trail N.E. (Fox Hollow)	348	308	87	65	261	243	300	259	48	49	9	6	332	279	7	23
Whitehorn pathway intersection N.E.	63	119	19	32	44	87	33	48	30	71	44	70	16	38	3	11	
S.W.	Pedestrian bridge over Bow Trail near 24 Street S.W.	376	458	92	117	284	341	357	419	19	39	1	3	375	453	0	2
	Bow River Pathway and 11 Street S.W.	2452	2805	506	503	1946	2302	2,267	2,521	185	284	12	7	2,440	2,797	0	1
	5 Street and 10 Avenue S.W.	853	900	129	174	724	726	695	745	158	155	0	1	853	892	0	7
	Heritage Drive and Haddon Road S.W.	202	221	34	39	168	182	176	206	26	15	10	11	186	208	6	2
	20 Street and 42 Avenue S.W.	83	88	24	23	59	65	73	69	10	19	9	34	74	54	0	0
	Elbow River Pedestrian Bridge near 1 Street and 19 Avenue S.W.	77	57	8	8	69	49	56	35	21	22	2	0	75	54	0	3
	Pedestrian bridge over Sarcee Trail north of 26 Avenue S.W.	54	29	7	1	47	28	48	26	6	3	3	2	49	27	2	0
	11 Street and 8 Avenue S.W.	540	737	110	210	430	527	401	530	139	207	71	17	467	720	2	0
	16 Street and 15 Avenue S.W.	177	202	30	51	147	151	142	153	35	49	2	2	167	191	8	9
	14A Street and 50 Avenue S.W.	168	313	27	70	141	243	162	288	6	25	0	1	168	311	0	1
	26 Street and 26 Avenue S.W.	320	318	79	89	241	229	292	273	28	45	5	8	315	310	0	0
	Glenmore Reservoir pathway and Heritage Drive S.W.	422	493	111	171	311	322	390	415	32	78	17	15	404	473	1	5
	Bow River pathway and Crowchild Trail S.W.	2787	2562	591	566	2196	1996	2,622	2,341	165	221	6	9	2,773	2,551	8	2
	1 Street and 5 Avenue S.W.	694	898	133	181	561	717	609	746	85	152	0	2	694	896	0	0
	Elbow River pathway and 4 Street S.W.	568	765	139	193	429	572	490	675	78	90	0	71	566	688	2	6
15 Street and 34 Avenue S.W. (West Leg)	117	131	27	38	90	93	103	120	14	11	0	2	116	119	1	10	
8 Street and 15 Avenue S.W.	439	415	90	95	349	320	301	274	138	141	1	7	435	405	3	3	
Cedar Crescent S.W. (east of Hemlock Crescent S.W. at pathway trailhead)	518	505	100	93	418	412	498	480	20	25	0	0	518	500	0	5	
Pedestrian bridge over Crowchild Trail near Sonora Avenue and Summit Street S.W.	126	122	37	37	89	85	111	107	15	15	8	3	117	119	1	0	
S.E.	Anderson LRT Bridge over Macleod Trail S.E.	42	41	10	6	32	35	27	34	15	7	0	4	42	37	0	0
	Intersection of 9 Avenue, 17 Avenue and 15 Street S.E.	276	573	39	148	237	425	250	453	26	120	15	42	261	531	0	0
	Bow River pathway near Ogden Road S.E.	251	82	34	14	217	68	224	71	27	11	0	0	229	79	22	3
	4 Avenue and Riverfront Avenue S.E.	364	322	61	39	303	283	279	229	85	93	1	3	363	319	0	0
	Bow River pathway Bridge and 12 Street S.E.	85	143	28	41	57	102	58	107	27	36	1	0	84	142	0	1
	17 Avenue S.E. over the Bow River	174	186	33	36	141	150	130	115	44	71	0	3	169	181	5	2
	Bow River pathway near Glenmore Trail S.E.	156	120	20	18	136	102	107	97	49	23	7	0	143	120	6	0
	Fairmount Drive and Acadia Drive S.E.	87	114	13	35	74	79	61	87	26	27	11	20	75	93	1	1
	Bow River pathway near Calgary weir	147	219	36	54	111	165	134	170	13	49	2	5	144	210	1	4
	5 Street and Riverfront Avenue S.E.	452	591	99	141	353	450	349	453	103	138	12	2	438	586	2	3
	Franklin LRT Bridge over Memorial Drive S.E.	52	51	3	0	49	51	26	33	26	18	0	2	52	48	0	1
	52 Street S.E. Bridge	23	28	1	5	22	23	15	25	8	3	0	0	23	28	0	0
	MacDonald Bridge at 7 Street S.E.	188	327	59	92	129	235	133	260	55	67	0	0	180	308	8	19
TOTAL		*19,457	*21,592	4,048	4,916	15,409	16,676	16,760	18,145	2,697	3,447	358	561	18,955	20,849	144	182

*Note: Only the locations that were measured from both years (2013 & 2014) are compared.