



THE CITY OF
CALGARY

Parks 2014 Pathway Research Observation Site Report Site #2 130th Avenue SE

Prepared by:



NRG Research Group

Tim Chan and Lesley Duncan

Telephone: 604-676-5652 (TC) 604-676-3449 (LD)

November 13, 2014

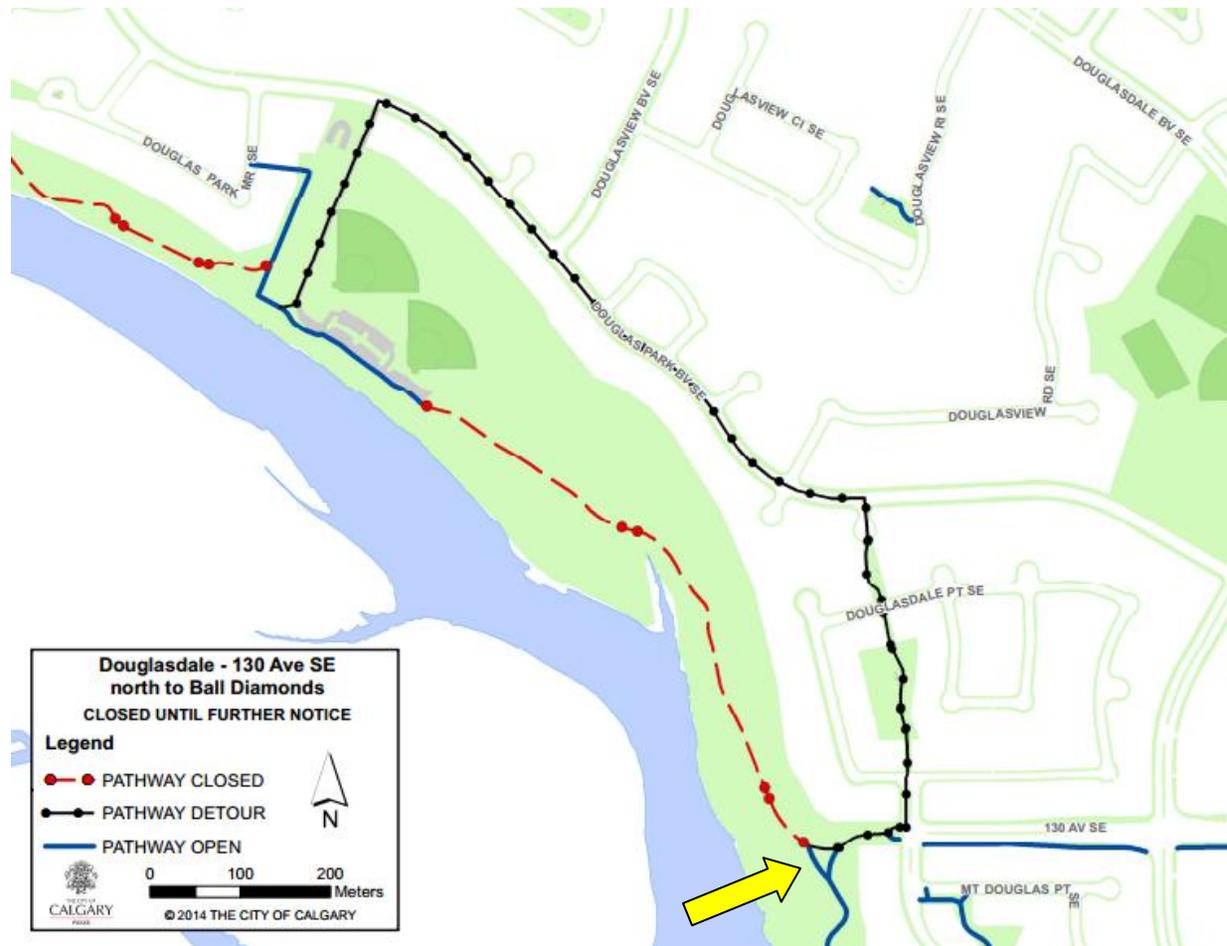
Table of Contents

Location and Site Description	3
Background Notes.....	4
Highlights of this Site	4
Trip Counts	5
Usage Patterns.....	6
Volume	6
Direction	7
Activity.....	8
Closures and Detours	10
Closures and Detours by Activity.....	10
Closures and Detours by Direction	11
Obeyed Closures - Total.....	12
Obeyed Closures by Gender and Age – Male	12
Obeyed Closures by Gender and Age – Female	12
Used Detour - Total	13
Used Detour by Gender and Age – Male.....	13
Used Detour by Gender and Age – Female	13
Pathway User Characteristics	14
Age and Gender	14
Gender Characteristics by Weekday/Weekend	14
Age Characteristics by Weekday/Weekend	15
Age, Gender and Activity – Weekday	15
Age, Gender and Activity – Weekend.....	16
Helmet Use.....	16
Helmet Use Among Cyclists, Inline Skaters and Skateboarders	16
Helmet Use by Gender and Age – Male	17
Helmet Use by Gender and Age – Female.....	17
Appendix A: Hourly Directional Data	18

Appendix B: Hourly Activity Data.....20
Appendix C: Activity and Direction22
Appendix D: Hourly Use Data by Activity and Gender.....26
Appendix E: Hourly Use Data by Activity and Age.....30

Location and Site Description

This site is located at the end of 130th Ave SW. Observers were stationed at the benches where the trail from 130th meets the North/South Bow River Pathway. To the north are the Bow River ball diamonds and the Sue Higgins pedestrian bridge and to the south the Mt. Douglas Circle entrance to the pathway system. At the time of the observations, the pathway to the North of this location was closed, with a temporary sawhorse barrier close to the observation point and a larger blockage a few hundred meters down the path.



Background Notes

The site was observed for a total of 60 hours. Three weekdays (Monday, Tuesday and Wednesday), and two weekend days (Saturday and Sunday) were observed. The observation dates were October 4th to 8th. Weather conditions were mixed between sunny, partly cloudy, and cloudy periods.

At all sites path closures and path safety were an issue depending on direction of travel. Each location had an associated closure and/or detour.

Highlights of this Site

- A total of 2,581 pathway users were observed at this site which represents an average of 43 users per hour.
- Just over half of the pathway users at this site were walking (1,426 observations, 55.2% of total), followed by cycling (835, 32.2%) and running (283, 11.0%).
- There approximately the same proportion of men and women using the pathways at this site (1,339 men, 51.9% of total vs. 1,241 women, 48.1% of total).
- The majority of pathway users were adults (2,007, 77.8%), followed by seniors (312, 12%), children (180, 7.1%) and youth (82, 3.2%).
- Of all pathway users observed at this site, 395 (15.3%) were with a dog.

Trip Counts

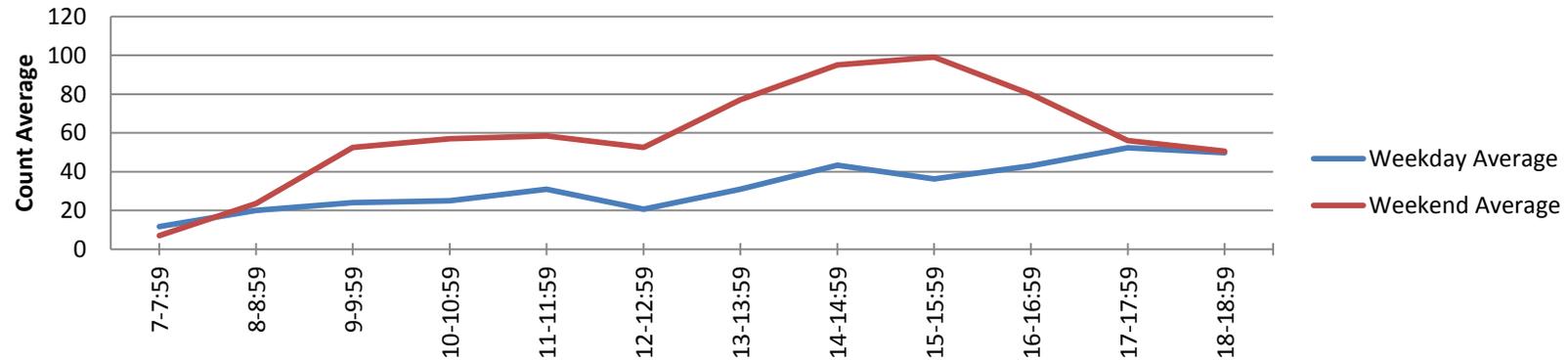
Use Summary					
	Count	Days	Hours	Ave/Day	Ave/Hr
<i>Total Use</i>	2581	5	60	516.2	43.01667
Weekday	1164	3	36	388	32.33333
Weekend	1417	2	24	708.5	59.04167

Usage Patterns

Volume

Weekday vs. Weekend Use by Hour						
	Weekday			Weekend		
	3-Day Count	Weekday Average	% Within Weekday Ave.	2-Day Count	Weekend Average	% Within Weekend Ave.
7-7:59	35	11.7	3.0%	14	7	1.0%
8-8:59	60	20.0	5.2%	47	23.5	3.3%
9-9:59	72	24.0	6.2%	105	52.5	7.4%
10-10:59	75	25.0	6.4%	114	57	8.0%
11-11:59	93	31.0	8.0%	117	58.5	8.3%
12-12:59	62	20.7	5.3%	105	52.5	7.4%
13-13:59	93	31.0	8.0%	154	77	10.9%
14-14:59	130	43.3	11.2%	190	95	13.4%
15-15:59	109	36.3	9.4%	198	99	14.0%
16-16:59	129	43.0	11.1%	160	80	11.3%
17-17:59	157	52.3	13.5%	112	56	7.9%
18-18:59	149	49.7	12.8%	101	50.5	7.1%
Total	1164	388.0	100.0%	1417	708.5	100.0%

Average Number of Pathway Users Per Hour



Direction

This site had two possible directions, Northbound and Southbound. Observers were stationed at the benches where the trail from 130th meets the North/South Bow River Pathway. The observer was responsible for recording users heading in both directions of travel. To the north are the Bow River ball diamonds and the Sue Higgins pedestrian bridge and to the south the Mt. Douglas Circle entrance to the pathway system.

Direction								
	Weekday			Weekend			Total	
	3-Day Count	Weekday Average	% Within Day	2-Day Count	Weekend Average	% Within Day	Count	% Within Total
North	533	177.7	45.8%	629	314.5	44.4%	1162	45%
South	631	210.3	54.2%	788	394	55.6%	1419	55%
<i>Total</i>	1164	388.0	100.0%	1417	708.5	100.0%	2581	100%

For more detailed hourly directional data, see Appendix A.

Activity

The main activities at this site are walking (1,426 observations, 55.2% of total), followed by cycling (835, 32.4%) and running (283, 11.0%). Of the pathway users at this site, 395 (15.3%) were with their dog(s).

	Activity							
	Weekday			Weekend			Total	
	3-Day Count	Weekday Average	% Within Day/% Within Activity	2-Day Count	Weekend Average	% Within Day/% Within Activity	5-Day Count	% Within Total/% Within Activity
Total Walking	674	224.7	57.9%	752	376	53.1%	1426	55.2%
Walking Only	479	159.7	71.1%	569	284.5	75.7%	1048	73.5%
Walking with Dog	182	60.7	27.0%	162	81	21.5%	344	24.1%
Walking with Stroller	14	4.7	2.1%	25	12.5	3.3%	39	2.7%
Walking - Physically Challenged	1	0.3	0.1%	0	0	0.0%	1	0.1%
Total Running	130	43.3	11.2%	153	76.5	10.8%	283	11.0%
Running Only	104	34.7	80.0%	131	65.5	85.6%	235	83.0%
Running with Dog	24	8.0	18.5%	22	11	14.4%	46	16.3%
Running with Stroller	2	0.7	1.5%	0	0	0.0%	2	0.7%
Total Cycling	350	116.7	30.1%	485	242.5	34.2%	835	32.4%
Cycling Only	350	116.7	100.0%	480	240	99.0%	830	99.4%
Cycling with Dog	0	0.0	0.0%	5	2.5	1.0%	5	0.6%
Cycling with Trailer	2	0.7	0.6%	7	3.5	1.4%	9	1.1%
Total Inline Skating	1	0.3	0.1%	6	3	0.4%	7	0.3%
Skating Only	1	0.3	100.0%	6	3	100.0%	7	100.0%
Skating with Dog	0	0.0	0.0%	0	0	0.0%	0	0.0%
Skating with Stroller	0	0.0	0.0%	0	0	0.0%	0	0.0%
Wheelchair	0	0.0	0.0%	1	0.5	0.1%	1	0.0%
Skateboard	6	2.0	0.5%	13	6.5	0.9%	19	0.7%
Scooter	3	1.0	0.3%	6	3	0.4%	9	0.3%
Other	0	0.0	0.0%	1	0.5	0.1%	1	0.0%
Total	1164	388.0	100.0%	1417	708.5	100.0%	2581	100.0%

On weekdays, cycling made up the majority of the observed activities before 08:00 with 21 observations, while walking consistently made up more than 50% of the observed activities between 08:00 and 16:00. While overall usage of the site peaked between 17:00-17:59 with 157 observations, both running and cycling peaked after 17:00.

On weekends, running was most frequent between 08:00 and 11:59, peaking between 09:00-09:59 with 41 observations. In contrast, running and cycling became more frequent later in the day, with walking peaking between 15:00-15:59 with 99 observations (50.0% of users during this hour), and running peaking between 14:00-14:59 with 91 observations (47.9% of users during this hour).

Among all users at this site, roughly one third obeyed both the path closure (35.5%) and used the detour route (35.1%). Those using a wheelchair, skateboard, scooter or other type of activity were most likely to obey the closure (50.0%), followed by those walking (44.5%). Users who were cycling were the least likely to obey the closure (28.6%) and use the detour route (20.2%).

Regardless of gender, children are the age group most likely to obey the path closure (42.7% of boys and 60.5% girls). Among users aged 20 and above, women are more likely than men to obey the closure and use the detour route.

For more detailed data of closure and detour usage by age, gender and direction, see below.

For more detailed data of activity by hour, see Appendix B.

For more detailed data of activity by time of day by direction, see Appendix C.

Closures and Detours

Closures and Detours by Activity

Closures and Detours - Total		
	Count	% Within Activity
Total Walking	1426	
Obeyed Closure	635	44.5%
Disobeyed Closure	791	55.5%
Used Detour	629	44.1%
Did Not Use Detour	797	55.9%
Total Running	283	
Obeyed Closure	93	32.9%
Disobeyed Closure	190	67.1%
Used Detour	93	32.9%
Did Not Use Detour	190	67.1%
Total Cycling	835	
Obeyed Closure	170	20.4%
Disobeyed Closure	665	79.6%
Used Detour	169	20.2%
Did Not Use Detour	666	79.8%
Total Inline Skating	7	
Obeyed Closure	2	28.6%
Disobeyed Closure	5	71.4%
Used Detour	2	28.6%
Did Not Use Detour	5	71.4%
Other	30	
Obeyed Closure	15	50.0%
Disobeyed Closure	15	50.0%
Used Detour	14	46.7%
Did Not Use Detour	16	53.3%
Total	2581	
Obeyed Closure	915	35.5%
Disobeyed Closure	1666	64.5%
Used Detour	907	35.1%
Did Not Use Detour	1674	64.9%

Closures and Detours by Direction

Closures and Detours - Total				
	North		South	
	Count	%	Count	%
Obeyed Closure	381	32.8%	534	37.6%
Disobeyed Closure	781	67.2%	885	62.4%
Used Detour	381	32.8%	526	37.1%
Did Not Use Detour	781	67.2%	893	62.9%
Total	1162	100.0%	1419	100.0%

Obeyed Closures - Total

Obeyed Closure		
	# of Users Observed	% of Users Observed
Yes	915	35.5%
No	1666	64.5%
Total	2581	100.0%

Obeyed Closures by Gender and Age – Male

Obeyed Closure								
	Male							
	Child		Youth		Adult		Senior	
	Count	%	Count	%	Count	%	Count	%
Yes	44	42.7%	24	38.7%	288	29.5%	64	32.3%
No	59	57.3%	38	61.3%	688	70.5%	134	67.7%
Total	103	100.0%	62	100.0%	976	100.0%	198	100.0%

Obeyed Closures by Gender and Age – Female

Obeyed Closure								
	Female							
	Child		Youth		Adult		Senior	
	Count	%	Count	%	Count	%	Count	%
Yes	46	60.5%	5	25.0%	392	38.0%	51	44.7%
No	30	39.5%	15	75.0%	639	62.0%	63	55.3%
Total	76	100.0%	20	100.0%	1031	100.0%	114	100.0%

Used Detour - Total

Used Detour		
	# of Users Observed	% of Users Observed
Yes	907	35.1%
No	1674	64.9%
Total	2581	100.0%

Used Detour by Gender and Age – Male

Used Detour								
	Male							
	Child		Youth		Adult		Senior	
	Count	%	Count	%	Count	%	Count	%
Yes	41	39.8%	24	38.7%	286	29.3%	64	32.3%
No	62	60.2%	38	61.3%	690	70.7%	134	67.7%
Total	103	100.0%	62	100.0%	976	100.0%	198	100.0%

Used Detour by Gender and Age – Female

Used Detour								
	Female							
	Child		Youth		Adult		Senior	
	Count	%	Count	%	Count	%	Count	%
Yes	46	60.5%	4	20.0%	390	37.8%	51	44.7%
No	30	39.5%	16	80.0%	641	62.2%	63	55.3%
Total	76	100.0%	20	100.0%	1031	100.0%	114	100.0%

Pathway User Characteristics

Age and Gender

Age and Gender								
	Male		Female		Unknown		Total	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
Child (14 and under)	103	4.0%	76	2.9%	1	0.0%	180	7.0%
Youth (15-19)	62	2.4%	20	0.8%	0	0.0%	82	3.2%
Adult (20-64)	976	37.8%	1031	39.9%	0	0.0%	2007	77.8%
Senior (65 and over)	198	7.7%	114	4.4%	0	0.0%	312	12.1%
Total	1339	51.9%	1241	48.1%	1	0.0%	2581	100.0%

Gender Characteristics by Weekday/Weekend

Gender Characteristics by Weekday/Weekend								
	Weekday			Weekend			Total	
	Count	Weekday Average	% Within Day	Count	Weekend Average	% Within Day	Count	% Within Total
Male	595	198.3	51.1%	744	372	52.5%	1339	51.9%
Female	569	189.7	48.9%	672	336	47.4%	1241	48.1%
Unknown	0	0.0	0.0%	1	0.5	0.1%	1	0.0%
Total	1164	388.0	100.0%	1417	708.5	100.0%	2581	100.0%

Age Characteristics by Weekday/Weekend

Age Characteristics by Weekday/Weekend								
	Weekday			Weekend			Total	
	Count	Weekday Average	% Within Day	Count	Weekend Average	% Within Day	Count	% Within Total
Child (14 and under)	49	16.3	4.2%	131	65.5	9.2%	180	7.0%
Youth (15-19)	43	14.3	3.7%	39	19.5	2.8%	82	3.2%
Adult (20-64)	892	297.3	76.6%	1115	557.5	78.7%	2007	77.8%
Senior (65 and over)	180	60.0	15.5%	132	66	9.3%	312	12.1%
<i>Total</i>	1164	388.0	100.0%	1417	708.5	100.0%	2581	100.0%

Age, Gender and Activity – Weekday

Age, Gender and Activity								
	Weekday							
	Child/Youth				Adult/Senior			
	Male		Female		Male		Female	
	Count	Ave/Hr	Count	Ave/Hr	Count	Ave/Hr	Count	Ave/Hr
Walking	30	0.8	16	0.4	224	6.2	404	11.2
Running	24	0.7	5	0.1	251	7.0	70	1.9
Cycling	5	0.1	5	0.1	51	1.4	69	1.9
Inline Skating	1	0.0	0	0.0	0	0.0	0	0.0
<i>Total</i>	66	1.8	26	0.7	529	14.7	543	15.1

Age, Gender and Activity – Weekend

Age, Gender and Activity								
	Weekend							
	Child/Youth				Adult/Senior			
	Male		Female		Male		Female	
	Count	Ave/Hr	Count	Ave/Hr	Count	Ave/Hr	Count	Ave/Hr
Walking	39	1.6	47	2.0	287	12.0	378	15.8
Running	41	1.7	19	0.8	277	11.5	148	6.2
Cycling	1	0.0	1	0.0	77	3.2	74	3.1
Inline Skating	4	0.2	0	0.0	1	0.0	1	0.0
<i>Total</i>	99	4.1	70	2.9	645	26.9	602	25.1

See Appendix D for hourly use data by activity and gender and Appendix E for hourly use data by activity and age.

Helmet Use

Please note that unlike the 2010 observation research which only observed helmet use among cyclists, this report is in line with previous studies which included cyclists, inline skaters, and skateboarders.

Helmet Use Among Cyclists, Inline Skaters and Skateboarders

Helmet Use Among Cyclists, Inline Skaters and Skateboarders		
	# of Users Observed	% of Users Observed
Wearing Helmet	657	76.7%
Not Wearing Helmet	200	23.3%
<i>Total</i>	857	100.0%

Helmet Use by Gender and Age – Male

Helmet Use by Gender and Age								
	Male							
	Child		Youth		Adult		Senior	
	Count	%	Count	%	Count	%	Count	%
Wearing Helmet	42	89.4%	9	24.3%	343	74.6%	56	80.0%
Not Wearing Helmet	5	10.6%	28	75.7%	117	25.4%	14	20.0%
<i>Total</i>	47	100.0%	37	100.0%	460	100.0%	70	100.0%

Helmet Use by Gender and Age – Female

Helmet Use by Gender and Age								
	Female							
	Child		Youth		Adult		Senior	
	Count	%	Count	%	Count	%	Count	%
Wearing Helmet	19	100%	5	83%	173	83.2%	10	100%
Not Wearing Helmet	-	0%	1	17%	35	16.8%	-	0%
<i>Total</i>	19	100%	6	100%	208	100.0%	10	100%

Appendix A: Hourly Directional Data

Appendix A: Hourly Directional Data								
Weekday								
Hours	Total Count	Time	North Count	Ave/Hr	% Within Hour	South Count	Ave/Hr	% Within Hour
3	35	7-7:59	26	8.7	74.3%	9	3.0	25.7%
3	60	8-8:59	28	9.3	46.7%	32	10.7	53.3%
3	72	9-9:59	31	10.3	43.1%	41	13.7	56.9%
3	75	10-10:59	29	9.7	38.7%	46	15.3	61.3%
3	93	11-11:59	48	16.0	51.6%	45	15.0	48.4%
3	62	12-12:59	30	10.0	48.4%	32	10.7	51.6%
3	93	13-13:59	39	13.0	41.9%	54	18.0	58.1%
3	130	14-14:59	57	19.0	43.8%	73	24.3	56.2%
3	109	15-15:59	49	16.3	45.0%	60	20.0	55.0%
3	129	16-16:59	56	18.7	43.4%	73	24.3	56.6%
3	157	17-17:59	64	21.3	40.8%	93	31.0	59.2%
3	149	18-18:59	76	25.3	51.0%	73	24.3	49.0%
36	1164	Total	533	14.8	45.8%	631	17.5	54.2%

Appendix A: Hourly Directional Data								
Weekend								
Hours	Total Count	Time	North Count	Ave/Hr	% Within Hour	South Count	Ave/Hr	% Within Hour
2	14	7-7:59	3	1.5	21.4%	11	5.5	78.6%
2	47	8-8:59	18	9.0	38.3%	29	14.5	61.7%
2	105	9-9:59	61	30.5	58.1%	44	22.0	41.9%
2	114	10-10:59	50	25.0	43.9%	64	32.0	56.1%
2	117	11-11:59	53	26.5	45.3%	64	32.0	54.7%
2	105	12-12:59	44	22.0	41.9%	61	30.5	58.1%
2	154	13-13:59	69	34.5	44.8%	85	42.5	55.2%
2	190	14-14:59	72	36.0	37.9%	118	59.0	62.1%
2	198	15-15:59	90	45.0	45.5%	108	54.0	54.5%
2	160	16-16:59	70	35.0	43.8%	90	45.0	56.3%
2	112	17-17:59	55	27.5	49.1%	57	28.5	50.9%
2	101	18-18:59	44	22.0	43.6%	57	28.5	56.4%
24	1417	Total	629	26.2	44.4%	788	32.8	55.6%

Appendix B: Hourly Activity Data

Appendix B: Hourly Activity Data														
Weekday														
Hours	Total Count	Time	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
3	35	7-7:59	10	3.3	28.6%	4	1.3	11.4%	21	7.0	60.0%	-	-	-
3	60	8-8:59	38	12.7	63.3%	11	3.7	18.3%	11	3.7	18.3%	-	-	-
3	72	9-9:59	51	17.0	70.8%	9	3.0	12.5%	12	4.0	16.7%	-	-	-
3	75	10-10:59	49	16.3	65.3%	4	1.3	5.3%	21	7.0	28.0%	-	-	-
3	93	11-11:59	60	20.0	64.5%	14	4.7	15.1%	19	6.3	20.4%	-	-	-
3	62	12-12:59	41	13.7	66.1%	9	3.0	14.5%	11	3.7	17.7%	1	0.3	1.6%
3	93	13-13:59	58	19.3	62.4%	11	3.7	11.8%	24	8.0	25.8%	-	-	-
3	130	14-14:59	87	29.0	66.9%	8	2.7	6.2%	35	11.7	26.9%	-	-	-
3	109	15-15:59	58	19.3	53.2%	9	3.0	8.3%	39	13.0	35.8%	-	-	-
3	129	16-16:59	60	20.0	46.5%	16	5.3	12.4%	52	17.3	40.3%	-	-	-
3	157	17-17:59	81	27.0	51.6%	24	8.0	15.3%	49	16.3	31.2%	-	-	-
3	149	18-18:59	81	27.0	54.4%	11	3.7	7.4%	56	18.7	37.6%	-	-	-
36	1164	Total	674	18.7	57.9%	130	3.6	11.2%	350	9.7	30.1%	1	0.03	0.1%

Appendix B: Hourly Activity Data														
Weekend														
Hours	Total Count	Time	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
2	14	7-7:59	12	6.0	85.7%	1	0.5	7.1%	1	0.5	7.1%	-	-	-
2	47	8-8:59	21	10.5	44.7%	19	9.5	40.4%	7	3.5	14.9%	-	-	-
2	105	9-9:59	50	25.0	47.6%	41	20.5	39.0%	14	7.0	13.3%	-	-	-
2	114	10-10:59	68	34.0	59.6%	26	13.0	22.8%	20	10.0	17.5%	-	-	-
2	117	11-11:59	75	37.5	64.1%	15	7.5	12.8%	27	13.5	23.1%	-	-	-
2	105	12-12:59	58	29.0	55.2%	8	4.0	7.6%	36	18.0	34.3%	-	-	-
2	154	13-13:59	72	36.0	46.8%	7	3.5	4.5%	74	37.0	48.1%	-	-	-
2	190	14-14:59	85	42.5	44.7%	7	3.5	3.7%	91	45.5	47.9%	3	1.5	1.6%
2	198	15-15:59	99	49.5	50.0%	8	4.0	4.0%	88	44.0	44.4%	-	-	-
2	160	16-16:59	74	37.0	46.3%	12	6.0	7.5%	66	33.0	41.3%	2	1.0	1.3%
2	112	17-17:59	72	36.0	64.3%	6	3.0	5.4%	34	17.0	30.4%	-	-	-
2	101	18-18:59	66	33.0	65.3%	3	1.5	3.0%	27	13.5	26.7%	1	0.5	1.0%
24	1417	Total	752	31.3	53.1%	153	6.4	10.8%	485	20.2	34.2%	6	0.25	0.4%

Appendix C: Activity and Direction

Weekday

Appendix C: Activity and Direction 130th Ave					
Weekday 7:00-9:59					
	Total Count Within Time Period	North		South	
		Count	% Within Time Period	Count	% Within Time Period
Walking	99	41	24.6%	58	34.7%
Running	44	30	18.0%	14	8.4%
Cycling	24	14	8.4%	10	6.0%
Inline	0	0	0.0%	0	0.0%
Total	167	85	50.9%	82	49.1%

Appendix C: Activity and Direction 130th Ave					
Weekday 10:00-12:59					
	Total Count Within Time Period	North		South	
		Count	% Within Time Period	Count	% Within Time Period
Walking	150	68	29.6%	82	35.7%
Running	51	21	9.1%	30	13.0%
Cycling	27	17	7.4%	10	4.3%
Inline	1	1	0.4%	0	0.0%
Total	230	107	46.5%	123	53.5%

Appendix C: Activity and Direction 130th Ave					
Weekday 13:00-15:59					
	Total Count Within Time Period	North		South	
		Count	% Within Time Period	Count	% Within Time Period
Walking	203	96	28.9%	107	32.2%
Running	98	33	9.9%	65	19.6%
Cycling	28	15	4.5%	13	3.9%
Inline	0	0	0.0%	0	0.0%
Total	332	145	43.7%	187	56.3%

Appendix C: Activity and Direction 130th Ave					
Weekday 16:00-18:59					
	Total Count Within Time Period	North		South	
		Count	% Within Time Period	Count	% Within Time Period
Walking	222	106	24.4%	116	26.7%
Running	157	62	14.3%	95	21.8%
Cycling	51	24	5.5%	27	6.2%
Inline	0	0	0.0%	0	0.0%
<i>Total</i>	435	196	45.1%	239	54.9%

Weekend

Appendix C: Activity and Direction 130 Ave					
Weekend 7:00-9:59					
	Total Count Within Time Period	North		South	
		Count	% Within Time Period	Count	% Within Time Period
Walking	83	43	25.9%	40	24.1%
Running	22	10	6.0%	12	7.2%
Cycling	61	29	17.5%	32	19.3%
Inline	0	0	0.0%	0	0.0%
Total	166	82	49.4%	84	50.6%

Appendix C: Activity and Direction 130 Ave					
Weekend 10:00-12:59					
	Total Count Within Time Period	North		South	
		Count	% Within Time Period	Count	% Within Time Period
Walking	201	93	27.7%	108	32.1%
Running	83	34	10.1%	49	14.6%
Cycling	49	20	6.0%	29	8.6%
Inline	0	0	0.0%	0	0.0%
Total	336	147	43.8%	189	56.3%

Appendix C: Activity and Direction 130 Ave					
Weekend 13:00-15:59					
	Total Count Within Time Period	North		South	
		Count	% Within Time Period	Count	% Within Time Period
Walking	256	114	21.0%	142	26.2%
Running	253	101	18.6%	152	28.0%
Cycling	22	11	2.0%	11	2.0%
Inline	3	2	0.4%	1	0.2%
Total	542	231	42.6%	311	57.4%

Appendix C: Activity and Direction 130 Ave					
Weekend 16:00-18:59					
	Total Count Within Time Period	North		South	
		Count	% Within Time Period	Count	% Within Time Period
Walking	212	100	26.8%	112	30.0%
Running	127	55	14.7%	72	19.3%
Cycling	21	10	2.7%	11	2.9%
Inline	3	1	0.3%	2	0.5%
<i>Total</i>	373	169	45.3%	204	54.7%

Appendix D: Hourly Use Data by Activity and Gender

Weekday

Appendix D: Hourly Use Data by Activity and Gender															
Weekday															
Hours	Total Count	Time	Gender	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
3	35	7-7:59	Male	7	2.3	20.0%	2	0.7	5.7%	20	6.7	57.1%	-	-	-
3	60	8-8:59	Male	13	4.3	21.7%	6	2.0	10.0%	9	3.0	15.0%	-	-	-
3	72	9-9:59	Male	17	5.7	23.6%	4	1.3	5.6%	7	2.3	9.7%	-	-	-
3	75	10-10:59	Male	17	5.7	22.7%	1	0.3	1.3%	15	5.0	20.0%	-	-	-
3	93	11-11:59	Male	20	6.7	21.5%	5	1.7	5.4%	12	4.0	12.9%	-	-	-
3	62	12-12:59	Male	10	3.3	16.1%	3	1.0	4.8%	9	3.0	14.5%	1	0.3	1.6%
3	93	13-13:59	Male	19	6.3	20.4%	4	1.3	4.3%	19	6.3	20.4%	-	-	-
3	130	14-14:59	Male	29	9.7	22.3%	3	1.0	2.3%	24	8.0	18.5%	-	-	-
3	109	15-15:59	Male	23	7.7	21.1%	3	1.0	2.8%	34	11.3	31.2%	-	-	-
3	129	16-16:59	Male	32	10.7	24.8%	11	3.7	8.5%	41	13.7	31.8%	-	-	-
3	157	17-17:59	Male	35	11.7	22.3%	7	2.3	4.5%	40	13.3	25.5%	-	-	-
3	149	18-18:59	Male	32	10.7	21.5%	7	2.3	4.7%	45	15.0	30.2%	-	-	-
36	1164	Total	Male	254	7.1	21.8%	56	1.6	4.8%	275	7.6	23.6%	1	0.0	0.1%

Appendix D: Hourly Use Data by Activity and Gender

Weekday															
Hours	Total Count	Time	Gender	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
3	35	7-7:59	Female	3	1.0	8.6%	2	0.7	5.7%	1	0.3	2.9%	-	-	-
3	60	8-8:59	Female	25	8.3	41.7%	5	1.7	8.3%	2	0.7	3.3%	-	-	-
3	72	9-9:59	Female	34	11.3	47.2%	5	1.7	6.9%	5	1.7	6.9%	-	-	-
3	75	10-10:59	Female	32	10.7	42.7%	3	1.0	4.0%	6	2.0	8.0%	-	-	-
3	93	11-11:59	Female	40	13.3	43.0%	9	3.0	9.7%	7	2.3	7.5%	-	-	-
3	62	12-12:59	Female	31	10.3	50.0%	6	2.0	9.7%	2	0.7	3.2%	-	-	-
3	93	13-13:59	Female	39	13.0	41.9%	7	2.3	7.5%	5	1.7	5.4%	-	-	-
3	130	14-14:59	Female	58	19.3	44.6%	5	1.7	3.8%	11	3.7	8.5%	-	-	-
3	109	15-15:59	Female	35	11.7	32.1%	6	2.0	5.5%	5	1.7	4.6%	-	-	-
3	129	16-16:59	Female	28	9.3	21.7%	5	1.7	3.9%	11	3.7	8.5%	-	-	-
3	157	17-17:59	Female	46	15.3	29.3%	17	5.7	10.8%	9	3.0	5.7%	-	-	-
3	149	18-18:59	Female	49	16.3	32.9%	4	1.3	2.7%	11	3.7	7.4%	-	-	-
36	1164	Total	Female	420	11.7	36.1%	74	2.1	6.4%	75	2.1	6.4%	-	-	-

Weekend

Appendix D: Hourly Use Data by Activity and Gender															
Weekend															
Hours	Total Count	Time	Gender	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
2	14	7-7:59	Male	8	4.0	57.1%	-	-	-	1	0.5	7.1%	-	-	-
2	47	8-8:59	Male	13	6.5	27.7%	5	2.5	10.6%	5	2.5	10.6%	-	-	-
2	105	9-9:59	Male	23	11.5	21.9%	25	12.5	23.8%	11	5.5	10.5%	-	-	-
2	114	10-10:59	Male	34	17.0	29.8%	11	5.5	9.6%	15	7.5	13.2%	-	-	-
2	117	11-11:59	Male	28	14.0	23.9%	6	3.0	5.1%	19	9.5	16.2%	-	-	-
2	105	12-12:59	Male	24	12.0	22.9%	6	3.0	5.7%	27	13.5	25.7%	-	-	-
2	154	13-13:59	Male	28	14.0	18.2%	4	2.0	2.6%	42	21.0	27.3%	-	-	-
2	190	14-14:59	Male	40	20.0	21.1%	3	1.5	1.6%	56	28.0	29.5%	2	1.0	1.1%
2	198	15-15:59	Male	36	18.0	18.2%	3	1.5	1.5%	57	28.5	28.8%	-	-	-
2	160	16-16:59	Male	31	15.5	19.4%	7	3.5	4.4%	43	21.5	26.9%	2	1.0	1.3%
2	112	17-17:59	Male	36	18.0	32.1%	5	2.5	4.5%	23	11.5	20.5%	-	-	-
2	101	18-18:59	Male	25	12.5	24.8%	3	1.5	3.0%	19	9.5	18.8%	1	0.5	1.0%
24	1417	Total	Male	326	13.6	23.0%	78	3.3	5.5%	318	13.3	22.4%	5	0.2	0.4%

Appendix D: Hourly Use Data by Activity and Gender

Weekend															
Hours	Total Count	Time	Gender	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
2	14	7-7:59	Female	4	2.0	28.6%	1	0.5	7.1%	-	-	-	-	-	-
2	47	8-8:59	Female	8	4.0	17.0%	14	7.0	29.8%	2	1.0	4.3%	-	-	-
2	105	9-9:59	Female	27	13.5	25.7%	16	8.0	15.2%	3	1.5	2.9%	-	-	-
2	114	10-10:59	Female	34	17.0	29.8%	15	7.5	13.2%	5	2.5	4.4%	-	-	-
2	117	11-11:59	Female	47	23.5	40.2%	9	4.5	7.7%	8	4.0	6.8%	-	-	-
2	105	12-12:59	Female	33	16.5	31.4%	2	1.0	1.9%	9	4.5	8.6%	-	-	-
2	154	13-13:59	Female	44	22.0	28.6%	3	1.5	1.9%	32	16.0	20.8%	-	-	-
2	190	14-14:59	Female	45	22.5	23.7%	4	2.0	2.1%	35	17.5	18.4%	1	0.5	0.5%
2	198	15-15:59	Female	63	31.5	31.8%	5	2.5	2.5%	31	15.5	15.7%	-	-	-
2	160	16-16:59	Female	43	21.5	26.9%	5	2.5	3.1%	23	11.5	14.4%	-	-	-
2	112	17-17:59	Female	36	18.0	32.1%	1	0.5	0.9%	11	5.5	9.8%	-	-	-
2	101	18-18:59	Female	41	20.5	40.6%	-	-	-	8	4.0	7.9%	-	-	-
24	1417	Total	Female	425	17.7	30.0%	75	3.1	5.3%	167	7.0	11.8%	1	0.04	0.1%

Appendix E: Hourly Use Data by Activity and Age

Appendix E: Hourly Use Data by Activity and Age															
Weekday															
Hours	Total Count	Time	Age	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
3	35	7-7:59	Child/Youth	-	-	-	-	-	-	1	0.3	2.9%	-	-	-
3	60	8-8:59	Child/Youth	-	-	-	10	3.3	16.7%	1	0.3	1.7%	-	-	-
3	72	9-9:59	Child/Youth	2	0.7	2.8%	-	-	-	2	0.7	2.8%	-	-	-
3	75	10-10:59	Child/Youth	3	1.0	4.0%	-	-	-	2	0.7	2.7%	-	-	-
3	93	11-11:59	Child/Youth	2	0.7	2.2%	-	-	-	-	-	-	-	-	-
3	62	12-12:59	Child/Youth	5	1.7	8.1%	-	-	-	1	0.3	1.6%	1	0.3	1.6%
3	93	13-13:59	Child/Youth	2	0.7	2.2%	-	-	-	2	0.7	2.2%	-	-	-
3	130	14-14:59	Child/Youth	6	2.0	4.6%	-	-	-	1	0.3	0.8%	-	-	-
3	109	15-15:59	Child/Youth	2	0.7	1.8%	-	-	-	6	2.0	5.5%	-	-	-
3	129	16-16:59	Child/Youth	9	3.0	7.0%	-	-	-	3	1.0	2.3%	-	-	-
3	157	17-17:59	Child/Youth	13	4.3	8.3%	-	-	-	3	1.0	1.9%	-	-	-
3	149	18-18:59	Child/Youth	2	0.7	1.3%	-	-	-	7	2.3	4.7%	-	-	-
36	1164	Total	Child/Youth	46	1.3	4.0%	10	0.3	0.9%	29	0.8	2.5%	1	0.03	0.1%

Appendix E: Hourly Use Data by Activity and Age

Weekday															
Hours	Total Count	Time	Gender	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
3	35	7-7:59	Adult/Senior	10	3.3	28.6%	4	1.3	11.4%	20	6.7	57.1%	-	-	-
3	60	8-8:59	Adult/Senior	38	12.7	63.3%	1	0.3	1.7%	10	3.3	16.7%	-	-	-
3	72	9-9:59	Adult/Senior	49	16.3	68.1%	9	3.0	12.5%	10	3.3	13.9%	-	-	-
3	75	10-10:59	Adult/Senior	46	15.3	61.3%	4	1.3	5.3%	19	6.3	25.3%	-	-	-
3	93	11-11:59	Adult/Senior	58	19.3	62.4%	14	4.7	15.1%	19	6.3	20.4%	-	-	-
3	62	12-12:59	Adult/Senior	36	12.0	58.1%	9	3.0	14.5%	10	3.3	16.1%	-	-	-
3	93	13-13:59	Adult/Senior	56	18.7	60.2%	11	3.7	11.8%	22	7.3	23.7%	-	-	-
3	130	14-14:59	Adult/Senior	81	27.0	62.3%	8	2.7	6.2%	34	11.3	26.2%	-	-	-
3	109	15-15:59	Adult/Senior	56	18.7	51.4%	9	3.0	8.3%	33	11.0	30.3%	-	-	-
3	129	16-16:59	Adult/Senior	51	17.0	39.5%	16	5.3	12.4%	49	16.3	38.0%	-	-	-
3	157	17-17:59	Adult/Senior	68	22.7	43.3%	24	8.0	15.3%	46	15.3	29.3%	-	-	-
3	149	18-18:59	Adult/Senior	79	26.3	53.0%	11	3.7	7.4%	49	16.3	32.9%	-	-	-
36	1164	Total	Adult/Senior	628	17.4	54.0%	120	3.3	10.3%	321	8.9	27.6%	-	-	-

Appendix E: Hourly Use Data by Activity and Age

Weekend															
Hours	Total Count	Time	Age	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Day	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
2	14	7-7:59	Child/Youth	-	-	-	-	-	-	-	-	-	-	-	-
2	47	8-8:59	Child/Youth	-	-	-	-	-	-	-	-	-	-	-	-
2	105	9-9:59	Child/Youth	-	-	-	-	-	-	1	0.5	1.0%	-	-	-
2	114	10-10:59	Child/Youth	9	4.5	7.9%	-	-	-	2	1.0	1.8%	-	-	-
2	117	11-11:59	Child/Youth	5	2.5	4.3%	-	-	-	2	1.0	1.7%	-	-	-
2	105	12-12:59	Child/Youth	10	5.0	9.5%	-	-	-	3	1.5	2.9%	-	-	-
2	154	13-13:59	Child/Youth	13	6.5	8.4%	-	-	-	15	7.5	9.7%	-	-	-
2	190	14-14:59	Child/Youth	8	4.0	4.2%	-	-	-	10	5.0	5.3%	1	0.5	0.5%
2	198	15-15:59	Child/Youth	21	10.5	10.6%	-	-	-	10	5.0	5.1%	-	-	-
2	160	16-16:59	Child/Youth	7	3.5	4.4%	-	-	-	7	3.5	4.4%	2	1.0	1.3%
2	112	17-17:59	Child/Youth	5	2.5	4.5%	2	1.0	1.8%	3	1.5	2.7%	-	-	-
2	101	18-18:59	Child/Youth	9	4.5	8.9%	-	-	-	7	3.5	6.9%	1	0.5	1.0%
24	1417	Total	Child/Youth	87	3.6	6.1%	2	0.1	0.1%	60	2.5	4.2%	4	0.2	0.3%

Appendix E: Hourly Use Data by Activity and Age

Weekend															
Hours	Total Count	Time	Gender	Walking Count	Ave/ Hr	% Within Hour	Running Count	Ave/ Hr	% Within Hour	Cycling Count	Ave/ Hr	% Within Hour	Inline Skating Count	Ave/ Hr	% Within Hour
2	14	7-7:59	Adult/Senior	12	6.0	85.7%	1	0.5	7.1%	1	0.5	7.1%	-	-	-
2	47	8-8:59	Adult/Senior	21	10.5	44.7%	19	9.5	40.4%	7	3.5	14.9%	-	-	-
2	105	9-9:59	Adult/Senior	50	25.0	47.6%	41	20.5	39.0%	13	6.5	12.4%	-	-	-
2	114	10-10:59	Adult/Senior	59	29.5	51.8%	26	13.0	22.8%	18	9.0	15.8%	-	-	-
2	117	11-11:59	Adult/Senior	70	35.0	59.8%	15	7.5	12.8%	25	12.5	21.4%	-	-	-
2	105	12-12:59	Adult/Senior	48	24.0	45.7%	8	4.0	7.6%	33	16.5	31.4%	-	-	-
2	154	13-13:59	Adult/Senior	59	29.5	38.3%	7	3.5	4.5%	59	29.5	38.3%	-	-	-
2	190	14-14:59	Adult/Senior	77	38.5	40.5%	7	3.5	3.7%	81	40.5	42.6%	2	1.0	1.1%
2	198	15-15:59	Adult/Senior	78	39.0	39.4%	8	4.0	4.0%	78	39.0	39.4%	-	-	-
2	160	16-16:59	Adult/Senior	67	33.5	41.9%	12	6.0	7.5%	59	29.5	36.9%	-	-	-
2	112	17-17:59	Adult/Senior	67	33.5	59.8%	4	2.0	3.6%	31	15.5	27.7%	-	-	-
2	101	18-18:59	Adult/Senior	57	28.5	56.4%	3	1.5	3.0%	20	10.0	19.8%	-	-	-
24	1417	Total	Adult/Senior	665	27.7	46.9%	151	6.3	10.7%	425	17.7	30.0%	2	0.1	0.1%