

Washington State Bicycle and Pedestrian Documentation Project 2012

A summary report to the Washington State Department of Transportation

Prepared by Cascade Bicycle Club
January 2013



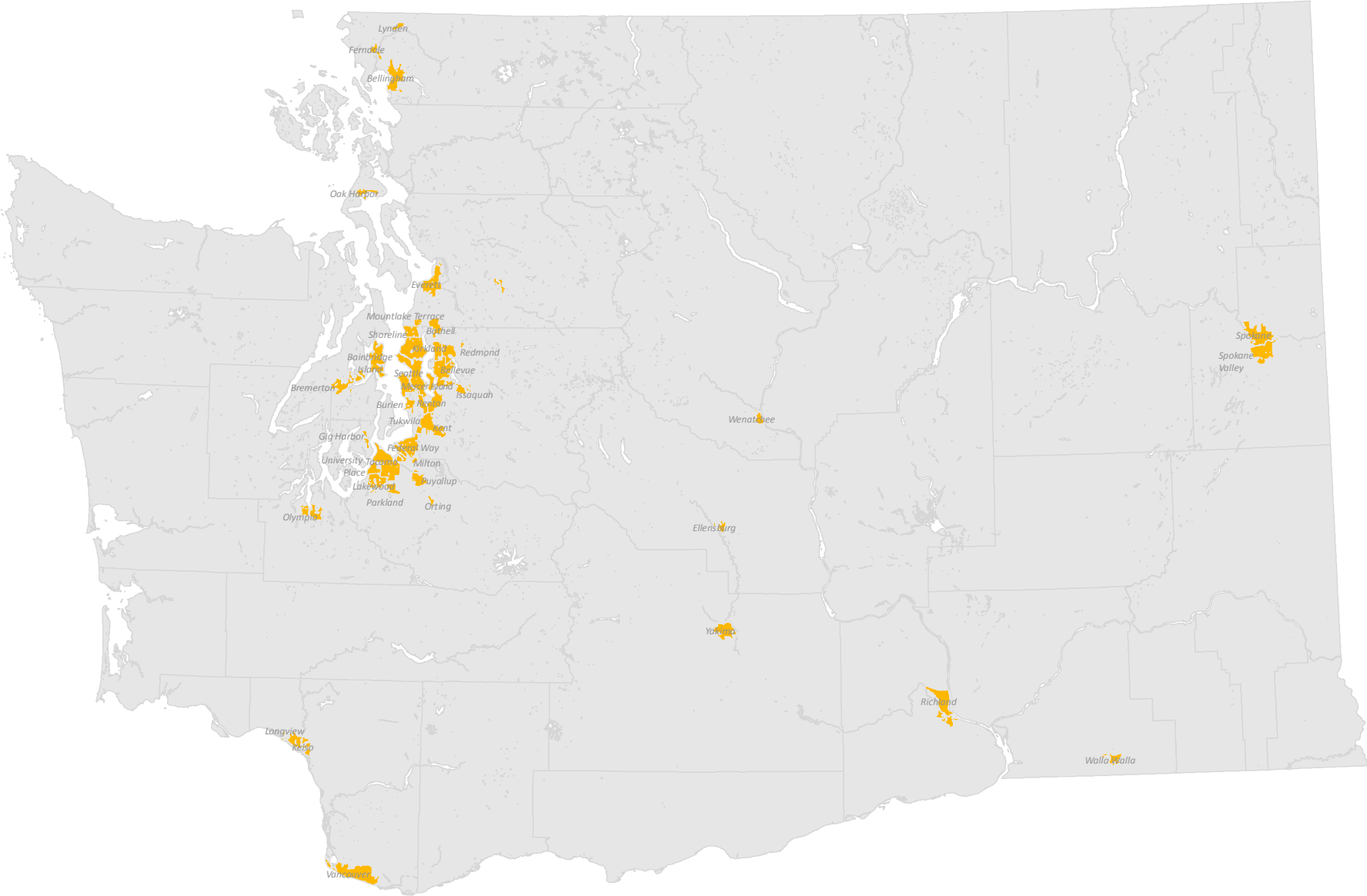
**Washington State
Department of Transportation**



Contents

Executive Summary	3
Introduction	4
Methodology	4
Results	8
Conclusions	12
Counts by City	13
Appendix	49

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT



2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

Executive Summary

In 2008, the Washington State Department of Transportation (WSDOT) adopted the Washington State Bicycle Facilities and Pedestrian Walkways Plan, which established the goal of doubling the number of Washingtonians bicycling and walking by 2027. With deficient data about bicycling and walking, the plan identified bicycle and pedestrian counts as a key performance metric for determining the State's progress toward this goal. Subsequently, in 2008, WSDOT launched the Washington State Bicycle and Pedestrian Documentation Project (State Counts). This effort, conducted in conjunction with the National Bicycle and Pedestrian Documentation Project, was initiated to track changes in bicycling and walking across Washington State by collecting bicycle and pedestrian travel data at key locations.

Since 2008, the State Counts have been conducted annually in late September or early October, relying on hundreds of volunteers to collect data about non-motorized travel in Washington communities. The widespread volunteer support is instrumental to this effort, along with the involvement of local jurisdictions

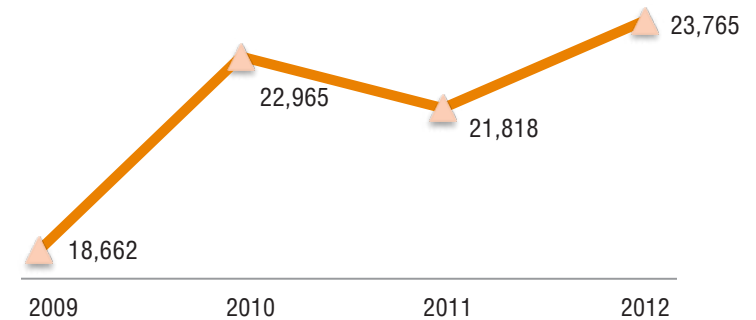
and community organizations that assist in recruiting volunteers and identifying key count locations. In 2012, nearly 400 volunteers helped conduct bicycle and pedestrian counts during the last week of September, up from approximately 180 in 2008. The number of communities

participating in the counts has also grown, from 19 during the inaugural year to almost 40 today.

In 2008, more than 19,000 non-motorized travelers were counted during the morning and afternoon shifts. The total number of non-motorized travelers counted during the State Counts has grown significantly since 2008; in 2012, 61,623 people were counted bicycling and walking during the morning and afternoon count shifts. While these totals cannot be compared across the board given the increase in count locations over the years, the data from select locations where counts have been conducted consistently each year show bicycling and walking has grown significantly since 2009* (Graph 1). Meanwhile, a comparison between 2008 and 2012 data indicates that total non-motorized travel is up by 10 percent.

The following report provides an overview of the Washington State Bicycle and Pedestrian Documentation Project in addition to a summary of the bicycle and pedestrian count data for each participating jurisdiction from 2008 to 2012.

Graph 1: Numbers of pedestrians and bicyclists at consistent locations statewide (2009, 2010, 2011, 2012)



Highlights from the 2012 Washington State Bicycle and Pedestrian Counts

Walking and biking is up 10% since the inaugural counts in 2008

38 cities participated in the 2012 counts

Bicycling increased by 10.1% between 2011 and 2012

Walking increased by 5.8% between 2011 and 2012

85% of bicyclists wore helmets

24% of bicyclists and 50% of pedestrians were female

*With very few consistent locations over all five count years, comparisons have been made to 2009 to include a more robust dataset.

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

Introduction

Across the United States, bicycling and walking are reestablishing as modes of transportation and recreation. A major challenge undermining the level of support and recognition of these modes is the lack of data on usage and demand. Without data about bicycling and walking it remains difficult to illustrate the benefits of non-motorized investments, and thus challenging to integrate bicycle and pedestrian travel into mainstream planning, decision making, and transportation modeling. Bicycle and pedestrian data can serve many purposes; among other uses, data on these modes of transportation can help justify funding for bicycle and pedestrian projects, support research related to non-motorized transportation and help jurisdictions in planning and prioritizing future non-motorized investments.

While there are universal techniques used for collecting data about private automobile use, the primary data sources used to estimate walking and bicycling are based on the U.S. Census and various household transportation surveys. While these sources provide decent baseline metrics, they do not provide a complete picture of bicycling and walking in cities and neighborhoods. Data from the U.S. Census reflects only commute trips, which comprise less than 20 percent of all trips in the United States, and respondents' primary mode of transportation, failing to account for multi-modal trips and non-primary modes. While these data collection efforts seek to determine predominate travel behavior, they provide little information on the geography and complexity of travel decisions. In other words, these data do not inform us of where bicycle and

pedestrian volumes are high, or the routes that bicyclists and pedestrians take. Ultimately, the lack of location-specific data makes it difficult to justify funding for specific projects, document the benefits of such investments, and ultimately gain a better understanding of what influences bicycling and walking in our communities.

In 2002, the U.S. Department of Transportation launched the National Bicycle and Pedestrian Documentation Project (NBPDP) to address these problems, and in 2008, WSDOT adopted a similar statewide project, and contracted with the Cascade Bicycle Club to coordinate the annual effort.

Methodology

Selecting Count Cities

In 2008, WSDOT selected cities for bicycle and pedestrian counts on the basis of population and geographic distribution across Washington. The state was divided into four quadrants, and the largest cities were selected from each quadrant. The selection of cities was not equally distributed across each quadrant, given the greater population density in Western Washington. Thus, there were more cities selected in this part of the state. Initially, 16 cities were selected to conduct counts, with an additional three cities volunteering to provide counts at select locations within their city.

Since 2008, additional cities have been invited and encouraged to participate in the State Counts. New cities were included if they expressed interest and were able to select count locations, fill out background data

sheets for each location and assist with volunteer outreach. In 2009, the number of count cities was expanded from 19 to 24, including the new cities of Issaquah, Burien, Redmond, Kelso and Tukwila. In 2010, counts were conducted in 31 jurisdictions, including the new cities of Mercer Island, Mountlake Terrace

Table 1: Overall count results - 2008, 2009, 2010, 2011 and 2012*

	2008			2009			2010			2011			2012		
	AM	PM	Total	AM	PM	Total	AM	PM	Total	AM	PM	Total	AM	PM	Total
Bicycle	2,879	3,870	6,749	4,158	5,471	9,629	5,203	10,027	15,230	7,506	10,686	18,192	7,248	13,405	20,653
Pedestrian	4,970	7,215	12,185	9,630	16,773	26,403	11,742	21,310	33,052	13,891	20,661	34,552	15,077	25,111	40,188
Other	75	179	254	70	247	317	66	321	387	106	529	635	225	594	819
Total	7,924	11,264	19,188	13,858	22,491	36,349	17,011	31,658	48,669	21,502	31,864	53,366	22,580	39,043	61,623

*These results are not comparable across years as this table reflects a different set of locations each year

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

Table 2: Count cities and locations by year

City	2008		2009		2010		2011		2012	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Bainbridge Island	0	0	0	0	0	5	1	1	5	4
Bellevue	4	3	13	13	13	13	5	7	7	8
Bellingham	6	6	12	12	17	17	18	18	18	18
Bothell	5	6	6	4	6	3	6	5	6	5
Bremerton	6	6	6	4	6	5	1	3	6	5
Burien	0	0	4	9	9	9	9	9	10	10
Ellensburg	6	4	5	4	2	3	3	5	4	4
Everett	6	6	9	9	8	5	10	9	11	11
Federal Way	0	0	0	0	0	0	0	0	1	5
Ferndale	1	1	0	0	1	0	0	0	0	0
Gig Harbor	0	0	0	0	0	0	0	0	1	1
Issaquah	0	0	6	4	7	3	6	3	6	6
Kelso	0	0	5	7	8	8	0	1	2	0
Kent	5	4	7	6	7	7	8	8	6	6
Kirkland	5	4	6	5	6	4	6	6	9	8
Lakewood	0	0	0	0	0	0	0	0	7	8
Longview	3	4	4	4	6	6	5	0	1	4
Lynden	0	0	0	0	0	0	0	0	1	1
Mercer Island	0	0	0	0	5	10	11	8	7	9
Milton	0	0	0	0	0	0	0	0	1	0
Mountlake Terrace	0	0	0	0	4	4	4	4	3	1
Oak Harbor	3	3	0	0	0	0	3	3	1	0
Olympia	5	6	6	4	6	5	5	5	6	4
Orting	0	0	0	0	0	0	0	0	1	1
Parkland	0	0	0	0	1	1	1	1	1	0
Puyallup	0	0	0	0	2	2	3	3	2	5
Redmond	0	0	3	4	5	5	4	5	0	4
Renton	0	0	0	0	1	1	1	0	1	1
Richland	3	6	2	3	3	3	3	3	3	3
Seattle	0	0	15	14	16	14	25	19	21	23
Shoreline	0	0	0	0	6	6	6	6	4	5
Spokane	6	6	10	10	10	9	8	7	9	9
Spokane Valley	0	0	0	0	0	0	0	0	4	4

and Shoreline. Pierce County and King County participated as well, adding a few locations in various parts of these counties, like Puyallup, Parkland and Renton.

In 2012, bicycle and pedestrian counts were conducted in 38 jurisdictions as part of the State Counts (Table 2). Of these 38 jurisdictions, eight led their own volunteer coordination. Wenatchee, despite having organized volunteers, was unable to perform the counts this year due to poor air quality as a result of existing wildfires at the time. In Redmond, bicycle and pedestrian counts were collected through automated counters, rather than volunteers.

Local Count Coordinators

Each year WSDOT and Cascade Bicycle Club collaborate with representatives (Local Count Coordinators) from each count jurisdiction to support the State Counts in their respective community.

Local Count Coordinators are typically representatives from the city's transportation, planning or public works department, however in some cases, local non-motorized advocates or representatives from community organizations fill the role of the Local Count Coordinator. Responsibilities of the Local Count Coordinators include selecting count locations, filling in background data sheets and assisting in volunteer outreach. In some jurisdictions, Local Count Coordinators take full responsibility of coordinating the bicycle and pedestrian counts in their community; in 2012, this included Bainbridge Island, Bellingham, Burien, Tukwila, Redmond, Everett, Wenatchee and Spokane Valley.

Selecting Count Locations

Local Count Coordinators are asked to select locations within their community where counts will be conducted. By having local involvement in identifying count locations, it ensures that the data being collecting through the counts is valuable both to the local jurisdiction as well as the State. Coordinators are given flexibility to choose appropriate and meaningful locations for their cities however information is also provided suggesting key criteria for selecting optimal count locations.

Choosing appropriate count locations should depend on the identified purpose of the data. For example, if the data is being collected to demonstrate the prevalence of bicycling or walking, then it would be

Table 2 (cont.): Count cities and locations by year

City	2008		2009		2010		2011		2012	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Tacoma	5	5	13	13	15	17	16	14	20	16
Tukwila	0	0	6	6	7	6	5	5	5	4
University Place	0	0	0	0	0	0	0	0	0	1
Vancouver	6	5	5	6	2	3	6	4	3	6
Walla Walla	3	4	5	1	2	4	5	5	3	4
Wenatchee	6	6	3	6	2	2	3	2	0	0
Yakima	3	3	1	1	1	2	2	3	1	1
Total	91	92	152	149	184	182	189	172	197	205

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

appropriate to choose count locations where bicycling and walking are expected to be high. On the other hand, a jurisdiction might be interested in demonstrating before and after statistics of a planned non-motorized improvement, and therefore may choose to conduct counts where volumes may be lower given the lack of quality facilities. Locations with high collision frequency or severity also serve as important data collection points to determine exposure rates and ultimately identify appropriate mitigation.

Table 3: Count location characteristics

- Historical count location-
- Bicycle facility-
- High collision area-
- Smart growth area-
- Transit corridor-
- Planned project-
- Mixed land use-
- Stakeholder recommendations-

Local Count Coordinators were encouraged to choose count locations that demonstrate at least one of the characteristics identified in Table 3, which have been identified through NBPDP methodology as location typologies that provide valuable data for future planning, design, funding and research efforts. Suggested criteria include: bicycle and pedestrian activity corridors (either now or in the future), locations

where bicycle and pedestrian collision numbers are high, locations where counts had been conducted in the past, locations with high volumes of bicyclists and/or pedestrians, either now or after future improvements.

Once count locations were selected, background data sheets were distributed to each Local Count Coordinator requesting information about the setting and conditions surrounding each count location. The background data sheets serve to collect information pertaining to surrounding land use, street connectivity, intersection density, average daily traffic, facility type and posted speed limit. The purpose of collecting this information is to support future research efforts to evaluate built environment and infrastructure conditions as they relate to bicycle and pedestrian activity. Refer to the Appendix to view the background data sheet as distributed to Local Count Coordinators.

Volunteer Outreach

Since 2008, the Cascade Bicycle Club has been responsible for coordinating and conducting outreach across Washington in order

to organize Local Count Coordinators and recruit count volunteers. Requests for volunteers are advertised through various media including local newspapers, WSDOT's and Cascade Bicycle Club's websites, e-mail newsletters and radio interviews.

Building relationships with local jurisdictions and organizations is essential to the success of the Documentation Project; this collaboration helps increase volunteer coverage while facilitating a better integration of bicycle and pedestrian data in local planning operations. The efforts made by Local Count Coordinators, organizations and agencies to support volunteer outreach and coordination were especially important. Local organizations and municipalities disseminated information regarding the count project through volunteer announcements, local blogs, and city websites.

Since 2008, the number of volunteers enlisted in the Washington Documentation Project has nearly doubled. In 2012, nearly 400 volunteers helped collect information about bicycling and walking as part of the State Counts.

Technical Advances

With the increasing number of count locations, in 2009 a Cascade Bicycle Club volunteer helped develop an online system to support volunteer coordination. In 2012, the Cascade Bicycle Club used a new system to assist with volunteer registration. This is the same system that is used to coordinate volunteers for all Cascade events. The website allows volunteers to select preferred count times and locations and automatically receive confirmation of their shift. Despite the counts occurring on three dates, the website only allowed volunteers to sign up for one date due to software constraints. In the future, this issue should be addressed to reduce confusion and improve the overall effectiveness of the tool.

In addition to the online volunteer coordination system, WSDOT launched a data-entry webpage in 2011 allowing volunteers to enter count data online after completing their shift. Volunteers were also encouraged to send in their count forms as a means of validating the data.

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

Count Dates and Times

The 2012 State Counts occurred on September 25, 26 and 27. September is the accepted annual national bicycle and pedestrian count period; the annual WSDOT count period is often conducted later in September or early in October to coincide with the peak periods for walking and bicycling for work and school-related trips in Washington State. Weather conditions are generally conducive, schools are back in session and people have returned from vacations and are back in regular commuting patterns. While late September/early October may not represent the peak season for bicycling and walking for all trips, the counts are conducted on an annual basis at consistent times to provide a trend line over time.

The State Counts are conducted on Tuesday, Wednesday and Thursday, during the morning and afternoon peak travel times. Mid-week days have been selected for the State Counts to capture a representative time period for commute trips across the region. The time period for conducting the a.m. count is between 7 and 9 and between 4 and 6 for the p.m. count. The morning and afternoon peak periods were chosen since they typically have the largest volume of travelers, with commuters, school children and people running errands. To reduce the chance that data are skewed by weather and to offer flexibility for volunteers, three dates are provided for volunteers to choose from. Although three dates are provided, data are only collected at each location on one of the three dates. The a.m. and the p.m. count can occur on different days.

The NBPDP methodology suggests conducting counts on a quarterly basis. The official NBPDP counts take place in early September, with optional counts recommended in January, May and July. In addition to weekday counts, Saturday counts are included in the NBPDP methodology. Saturday counts provide data for a different set of trips than those captured during the weekday commute period. While the resources have not been available to coordinate these additional counts as part of the Washington State Bicycle and Pedestrian Documentation Project, local jurisdictions should consider collecting Saturday counts given the potential to provide a unique and valuable set of data.

Table 4: 2012 count form

		NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND	TOTAL
Bicyclist	<i>Gender</i>					
	<i>Male</i>					
Bicyclist	<i>Female</i>					
	<i>Male</i>					
Pedestrian	<i>Female</i>					
	<i>Male</i>					
Other (rollerblade, etc.)						
No Helmet (please provide a hatch for each cyclist NOT wearing a helmet)						

Count Methods

Counts are collected manually by volunteer counters. Prior to the count dates, volunteers receive instructions for conducting the count along with the data collection forms. The count forms are designed to document the number of bicyclists and pedestrians and other non-motorized travelers passing a certain point over the course of a two-hour period. Count

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

locations are primarily at intersections, however are also located along trail corridors and at mid-block locations. The count form is delineated into several columns and rows in order to capture data on mode of travel and direction of travel. In 2012, information about gender and helmet usage was collected in addition to the primary factors; the additional data categories are reflected in the revised count form (Table 4, page 7).

Results

The number of total count locations has grown significantly since 2008 and every year a number of the locations are left uncovered. As a result, there is a relatively small number of locations where bicycle and pedestrian counts have been collected each year since 2008. For this report, we've looked back to 2009 to compare at consistent locations across the years. Since 2009, 80 consistent locations have had counts conducted in the morning and 61 consistent locations have had afternoon counts. Based on these locations, the number of people walking and bicycling has increased steadily over the years (Table 5).

The following section provides a snapshot for each year of the State Counts. For detailed count results for each city, please refer to the section beginning on page 13.

2008 Results

In 2008, counts were conducted in 19 cities at 91 a.m. locations and 92 p.m. locations. They were taken between September 30 and October 2. Bicycle counts were conducted in Seattle by the Seattle Department of Transportation on September 17, between 6:30 and 9 a.m.. While the 2008 Seattle counts were discussed in the 2008 Final Report, they were not conducted as part of the 2008 statewide effort and are not included in the following 2008 result summary.

A total of 2,879 bicyclists were counted during the morning peak, and 3,870 counted during the afternoon peak. The locations with the highest number of bicyclists observed were in Bothell, Bellingham, Bellevue,

	2009	2010	2011	2012	% change (2009 to 2012)
AM (comparing 80 locations)					
Bicycle	2261	2633	2743	3110	37.5%
Pedestrian	4968	5981	5754	6559	32.0%
Total	7261	8635	8548	9750	34.3%
PM (comparing 61 locations)					
Bicycle	3078	4529	4196	4524	47.0%
Pedestrian	8200	9693	8935	9312	13.6%
Total	11401	14330	13270	14015	22.9%

Ellensburg and Spokane. The top a.m. count location was in Bothell at the intersection of two shared-use paths, the Sammamish River Trail and the North Creek Trail, with 286 bicyclists counted. The top p.m. count location was also located in Bothell at the crossroads of the Burke-Gilman Trail and 96th Ave NE, with 282 bicyclists. High volumes of bicyclists were observed primarily at trail intersections, in central downtowns, or adjacent to universities. These findings support the notion that people are more likely to bicycle on separated paths and in areas where land use is supportive.

A total of 4,970 pedestrians were counted in the morning, and 7,215 in the afternoon in 2008. Pedestrian counts were highest in Bellingham, Spokane, Ellensburg, Yakima, Olympia, Bremerton and Tacoma. Locations with the highest pedestrian counts were in urban environments, with posted speed limits averaging between 25 and 35 miles per hour. The location with the highest number of pedestrians was centrally located in Bellingham's downtown, at a mixed-use, pedestrian friendly intersection, where 731 pedestrians were observed. Similar to the locations with the highest volumes of bicyclists, higher volume pedestrian intersections were primarily located in downtowns and near universities, however, not necessarily along shared-use paths.

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

2009 Results

The 2009 counts were conducted in 23 cities, including Seattle, at 152 a.m. and 149 p.m. count locations across Washington. Over 250 volunteers from across the state participated in the counts in 2009. In total, 36,349 bicyclists, pedestrians and other non-motorized users were counted.

There was a 13 percent decrease in the number of bicyclists and pedestrians observed at locations counted in both 2008 and 2009. The weather may have influenced the number of people choosing to bicycle and walk. In 2009, the temperatures during the count periods were on average 10 degrees cooler than in 2008, with increased levels of precipitation.

There were 4,158 bicyclists observed between 7 and 9 a.m., with the highest morning counts in Seattle, Ellensburg, Redmond, Bothell and Bellingham. Between 4 and 6 p.m., 5,471 people on bikes were counted, with the highest numbers in Seattle, Bothell, Bellingham and Bellevue. Among the 132 consistent a.m. and p.m. locations where data was collected in 2009, there were 1,236 more cyclists observed during the p.m. period. When comparing the locations that were counted in both 2008 and 2009, 886 fewer cyclists were counted in the morning, and 1,005 fewer in the afternoon in 2009. 32 locations had higher counts than in 2008, four stayed the same, and 103 had lower counts.

There were 9,630 pedestrians observed between 7 and 9 a.m.. The highest pedestrian counts were in Redmond, Bellingham, Ellensburg, Seattle, Bellevue and Kent. Between 4 and 6 p.m., 16,773 pedestrians were counted, with the highest numbers in Seattle, Bellingham, Bellevue, Olympia, and Spokane. There were 132 consistent locations between a.m. and p.m. periods, with 2,710 more pedestrians observed during the p.m. period. As compared to 2008, there were 121 fewer pedestrians in the morning, and 65 fewer in the afternoon. Out of both the a.m. and p.m. locations, 57 had higher counts than in 2008, three stayed the same, and 79 had lower counts.

2010 Results

In 2010, the total number of count locations increased significantly from both 2008 and 2009. Count data were returned from 184 a.m. locations and 182 p.m. locations. In addition, nine morning counts and 11 afternoon counts were collected from duplicate locations. Counts were taken at 229 unique locations across the state and 155 locations had both a.m. and p.m. counts. Compared to 2009, 2010 temperatures were higher around the state and there was little to no precipitation over the three-day count period.

In total, 48,669 non-motorized travelers were counted at unique locations between 7 and 9 a.m. and 4 and 6 p.m. in 2010 (17,011 a.m., 31,658 p.m.). Compared to 2009, total counts were up in 20 out of 23 cities (at comparable locations). The number of total travelers at comparable locations was up 15 percent in the morning and 20 percent in the afternoon.

A total of 15,230 bicyclists were counted during a.m. and p.m. shifts around Washington. Of these, 5,203 were counted between 7 and 9 a.m. and 10,027 bicyclists were counted between 4 and 6 p.m. When compared to 2009 count results, the number of bicyclists was up 21 percent in the a.m. and 40 percent in the p.m. (compared at 128 a.m. locations and 117 p.m. locations). When compared to 2008 results (64 comparable a.m. locations, 60 comparable p.m. locations) 2010 bicycle counts were down 29 percent in the morning and 15 percent in the afternoon.

A total of 33,052 pedestrians were counted during a.m. and p.m. shifts in 2010. Of these, 11,742 were counted between 7 and 9 a.m. and 21,310 pedestrians were counted between 4 and 6 p.m. When compared to 2009 count results, the number of pedestrians was up 11 percent in the a.m. and 15 percent in the p.m. (compared at 128 a.m. locations and 117 p.m. locations). When compared to 2008 results (64 comparable a.m. locations, 60 comparable p.m. locations) 2010 pedestrian counts were up 6 percent in the morning and 11 percent in the afternoon.

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

2011 Results

In 2011, 53,366 non-motorized travelers were observed during 361 two-hour count shifts across Washington; 31,864 non-motorized travelers were observed during the 7 to 9 a.m. shifts and 21,502 during the 4 to 6 pm shifts. Counts were collected in 31 cities on September 27, 28 and 29. The weather was generally pleasant across the state, cool in the morning with mild precipitation in areas, and in the 60's and 70's with little precipitation in the afternoon.

A total of 18,192 bicyclists were counted during a.m. and p.m. shifts around Washington. Of these, 7,506 were counted between 7 and 9 a.m. and 10,686 bicyclists were counted between 4 and 6 p.m. When compared to 2010 count results, the number of bicyclists was up by 7.7 percent in the a.m. and 0.8 percent in the p.m. (compared at 148 a.m. locations and 125 p.m. locations). View Table 6.

In total, 34,552 pedestrians were counted at intersections or traveling along corridors during the 2011 Counts, 13,891 in the morning and 20,661 in the afternoon. When compared to 2010 count results, the number of pedestrians was down slightly by 2.5 percent in the a.m. and up by 0.4 percent in the p.m. (compared at 148 a.m. locations and 125 p.m. locations). View Table 6.

2012 Results

In 2012, several new jurisdictions participated in the State Counts including Federal Way and Spokane Valley, along with several small jurisdictions in Pierce County (Gig Harbor, University Place, Milton, Orting and Lakewood). Unfortunately, the City of Wenatchee was unable to perform counts this year due to wildfire smoke. In total, counts were collected at 197 locations in the morning and 205 locations in the afternoon.

Temperatures ranged from the low 50's to the high 70's with little to no precipitation over the course of the 2012 count period. In total, 61,623 people were observed walking or bicycling at count locations across the state including 20,653 people bicycling and 40,188 people walking.

In comparison to 2011 count results, bicycling was up by 15.3 percent in the morning (compared at 138 locations) and 6.7 percent in the afternoon (compared at 124 locations).

The number of pedestrians counted at the same locations between 2011 and 2012 was up 11.4 percent in the morning and 2 percent in the afternoon (Table 7). Overall, bicycling and walking was up 7.1 percent from 2011.

Comparing the 2009, 2010, 2011 and 2012 count results at consistent locations

shows steady growth in bicycling and walking over the years. Since 2009, bicycle counts increased 37 percent in the morning and 47 percent in the afternoon. The number of pedestrians counted at consistent locations in 2009 as in 2012 increased by 32 percent in the morning and 13.6 percent in the afternoon (Table 5, page 8).

Between 2011 and 2012, bicycling increased during morning count periods in 19 of 27 jurisdictions and 17 of 24 jurisdictions during afternoon count periods. Pedestrian traffic increased in 17 of 27 jurisdictions during morning count periods and 11 of 23 during afternoon count periods. For example, in Seattle, bicycling increased 7.9 percent at morning locations and 5.7 percent at afternoon locations. In Bellingham, the number of

Table 6: Comparison of 2010 and 2011 count results

	2010	2011	% change (2009 to 2012)
AM (comparing 148 locations)			
Bicycle	4,725	5,087	7.7%
Pedestrian	10,247	9,987	-2.5%
Total	15,021	15,145	0.8%
PM (comparing 125 locations)			
Bicycle	7,890	7,951	0.8%
Pedestrian	16,021	16,090	0.4%
Total	24,149	24,360	0.9%

Table 7: Comparison of 2011 and 2012 count results

	2011	2012	% change (2009 to 2012)
AM (comparing 138 locations)			
Bicycle	5374	6194	15.3%
Pedestrian	10,403	11,590	11.4%
Total	15,858	17918	13.0%
PM (comparing 124 locations)			
Bicycle	8356	8917	6.7%
Pedestrian	14,960	15253	2.0%
Total	23,030	23,743	3.1%

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

Table 8: 2012 gender and helmet use

By City	Total Travelers	% with helmet	Helmet Law	% Female Bicyclists	% Male Bicyclists	% Female Pedestrian	% Male Pedestrian
Statewide	61,623	84.7%	no	23.7%	76.3%	50.2%	49.8%
Bainbridge Island	869	98.7%	yes	14.3%	85.7%	44.1%	55.9%
Bellevue	1,059	97.8%	yes	14.4%	85.6%	42.0%	58.0%
Bellingham	7,013	68.3%	no	28.2%	71.8%	50.4%	49.6%
Bothell	1,219	95.8%	yes	19.8%	80.2%	51.4%	48.6%
Bremerton	1,158	84.8%	no	23.7%	76.3%	34.8%	65.2%
Burien	1,797	63.2%	yes	17.1%	82.9%	47.2%	52.8%
Ellensburg	1,409	23.1%	no	26.8%	73.2%	49.8%	50.2%
Everett	1,489	73.1%	no	15.0%	85.0%	44.4%	55.6%
Federal Way	767	55.3%	yes	4.3%	95.7%	46.1%	53.9%
Gig Harbor	92	83.8%	yes	32.4%	67.6%	52.7%	47.3%
Issaquah	537	95.8%	yes	22.1%	77.9%	41.1%	58.9%
Kelso	126	25.0%	no	13.9%	86.1%	43.0%	57.0%
Kent	1,504	75.6%	yes	12.1%	87.9%	46.7%	53.3%
Kirkland	1,335	92.6%	yes	16.9%	83.1%	45.8%	54.2%
Lakewood	895	60.4%	yes	13.4%	86.6%	43.2%	56.8%
Longview	352	26.2%	no	22.6%	77.4%	54.2%	45.8%
Mercer Island	1,410	97.8%	yes	13.5%	86.5%	50.2%	49.8%
Milton	15	100.0%	yes	0.0%	100.0%	71.4%	28.6%
Mountlake Terrace	500	84.4%	no	11.6%	88.4%	46.6%	53.4%
Oak Harbor	13	100.0%	no	33.3%	66.7%	33.3%	66.7%
Olympia	1,606	62.0%	no	27.6%	72.4%	48.5%	51.5%
Orting	125	67.3%	yes	16.4%	83.6%	53.2%	46.8%
Parkland	45	53.3%	no	6.7%	93.3%	37.9%	62.1%
Puyallup	547	82.9%	yes	34.6%	65.4%	44.0%	56.0%
Renton	331	96.7%	yes	21.3%	78.7%	40.4%	59.6%
Redmond	704	NA	yes	11.5%	88.5%	NA	NA
Richland	401	85.5%	no	40.6%	59.4%	51.9%	48.1%
Seattle	23,778	93.5%	yes	28.2%	71.8%	56.6%	43.4%
Shoreline	1,266	90.2%	yes	19.4%	80.6%	43.1%	56.9%
Spokane	2,195	69.9%	yes	22.6%	77.4%	46.4%	53.6%
Spokane Valley	331	35.9%	no	13.5%	86.5%	43.8%	56.2%
Tacoma	3,489	79.1%	yes	20.2%	79.8%	42.9%	57.1%
Tukwila	1,564	84.2%	yes	10.5%	89.5%	41.2%	58.8%
University Place	54	100.0%	yes	28.6%	71.4%	47.5%	52.5%
Vancouver	812	77.9%	yes	21.8%	78.2%	47.8%	52.2%
Walla Walla	545	61.9%	no	31.2%	68.8%	56.4%	43.6%
Yakima	223	16.7%	no	33.3%	66.7%	50.7%	49.3%

bicyclists and pedestrians counted together increased by 25 percent in the morning and 14 percent in the afternoon. Similarly, in Olympia, bicycling and walking increased by 16.4 percent in the morning and 37.7 percent in the afternoon. These are just a few of the highlights from around the state where the number of people bicycling and walking increased from 2011. Data for each city can be found starting on page 13.

In 2012, gender and helmet use data were collected in addition to mode and direction of travel. Across the state, approximately 84.7 percent of cyclists observed were wearing helmets. In some areas, such as Ellensburg, Kelso and Longview, this percentage was significantly lower, and fewer than 30 percent of cyclists were counted wearing helmets. In Seattle, 93.5 percent of cyclists wore helmets (Table 8). By comparing a summary of the helmet data from jurisdictions with helmet laws to jurisdictions without helmet laws, the results show approximately 90 percent of all bicyclists wore helmets in jurisdictions with helmet laws compared to 63 percent in jurisdictions without helmet laws (Table 9).

	Total bicyclists	Total bicyclists without helmets	% Without helmet
Jurisdictions w/o helmet law	4,480	1,652	36.88%
Jurisdictions w/ helmet law	15,695	1,497	9.53%

The gender data collected through the 2012 counts showed that males comprised 75.8 percent of all bicyclists counted across the state and females comprised 23.7 percent. In contrast, 50.2 percent of all pedestrians counted were female (Table 8).

Conclusions

Summary

Each year since the beginning of the State Counts, new cities have expressed interest in participating in the effort. In 2012, counts were taken in 38 communities, double the number of cities in 2008. In addition, the number of total count locations has more than doubled since 2008. 2012 showed significant growth in bicycling and walking as compared to 2011 in numerous cities across the state. At 262 compared count locations (a.m. and p.m.) statewide, there was a 10.1 percent increase in the total number of bicyclists and a 5.8 percent increase in the number of pedestrians as compared to 2011. Comparing 2012 results to 2009 results, bicycling increased by 43 percent and walking by 20.5 percent. When analyzing these trends, it is important to recognize how many factors are at play on a given day at count locations across the state. These factors can have a significant influence on the data. The purpose of the Washington State Documentation Project however is to compile several years of data to evaluate trends over time, rather than from one year to the next.

While the Washington State Bicycle and Pedestrian Documentation Project has been successful in initiating the development of a statewide bicycle and pedestrian count database, additional data are needed to paint a complete picture of bicycling and walking at the local level. We encourage local jurisdictions to frequently collect bicycle and pedestrian data through surveys and counts to supplement the State Count effort. While it is evident that bicycling and walking is growing in communities across Washington, collecting data about these modes is essential to building support and justifying the benefits of investing in these modes.

Washington State Bicycle and Pedestrian
Documentation Project
Counts by City

AM Counts (7-9)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
NE 12th St W/O 116th Ave NE	22	24	17		18	54	32	16		52	76	56	33		70
118th Ave SE N/O I-90		22	39			NA						22	39		
SR 520 Trail at NE 24TH St		24	24		30		NA			6		24	24		36
I-90 Bike Trail W/O Factoria Blvd SE.		35	62	63	51		NA		48	50		35	62	111	102
I-90 Sunset Bike Trail E/O Eastgate Way		8	16		12		NA			7		8	16		19
Trail at Newcastle Beach Park		17	20	30	30		NA		16	4		17	20	46	34
I-90 Trail at Enatai	116	61	119	143		7	0		10		123	61	119	154	
108th Ave NE S/O NE 4th St		11	16				295	294				306	310		
108th Ave NE N/O NE Northup Way		19	6				19	34				38	40		
West Lake Sammamish S/O SE 26th St	10	3	4	2	7	6	0		2	6	16	3	4	4	13
Bellevue Way N/O NE 4th St		3	3				265	235				268	238		
114th Ave NE N/O SE 8th St		14	39	31			4	30	14			18	69	45	
115th Ave NE E/O 116th Ave NE		6	17		16		NA			6		6	17		22

PM Counts (4-6)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
NE 12th St W/O 116th Ave NE		20	25	27			27	16	79			47	41	106	
118th Ave SE N/O I-90		28	67				NA					28	67		
SR 520 Trail at NE 24TH St		22	42		38		NA			15		22	42		53
I-90 Bike Trail W/O Factoria Blvd SE.		43	76	85	117		NA		11	111		43	76	96	228
I-90 Sunset Bike Trail E/O Eastgate Way		17	20	23	14		NA		23	18		17	20	46	32
Trail at Newcastle Beach Park		29	69		87		NA			12		29	69		99
I-90 Trail at Enatai	243	132	182	188	194	14	0		91	47	257	132	182	285	241
108th Ave NE S/O NE 4th St	24	15	19	21		129	361	368	1003		153	376	387	1026	
108th Ave NE N/O NE Northup Way		21	9	46			11	38	26			32	47	72	
West Lake Sammamish west side shoulder S/O SE 26th St	26	5	20	15	13	2	0		4	16	28	5	20	19	30
Bellevue Way N/O NE 4th St		5	12				359	443				364	455		
114th Ave NE N/O SE 8th St		17	42		38		6	16		10		23	58		48
115th Ave NE E/O 116th Ave NE		13	22		21		NA			11		13	22		32

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	7	8
	Total Count	296	763
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	3	4
Bike Change (2011 - 12)	Bike Total 2011	95	311
	Bike Total 2012	88	338
	Percent Change	-7.4%	8.7%
Pedestrian Change (2011 - 12)	Bike Change	-7	27
	Pedestrian Total 2011	66	129
	Pedestrian Total 2012	60	192
	Percent Change	-9.1%	48.8%
Total Users Change (2011 - 12)	Pedestrian Change	-6	63
	Total Users 2011	161	446
	Total Users 2012	149	531
	Percent Change	-7.5%	19.1%
	Total Change	-12	85
2012 Gender distribution and helmet usage			
% with helmet	97.8		
	Pedestrian	Bicycle	
% male	58.0%	85.6%	
% female	42.0%	14.4%	

AM Counts (7-9) Location	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Northwest Avenue at McLeod Rd (Alderwood 2012)	66	30	40	36	44	44	25	20	22	48	112	55	60	59	93
Squalicum at Guide Meridian		23	20	20			8	13	13			31	33	34	
Dupont at 'F'		73	83	89	106		43	42	48	49		116	125	137	156
21st at Bill McDonald Pkwy		80	88	68	96		393	462	394	485		473	550	462	582
James at E. Orchard			9	12	15			5	7	2			14	19	17
Meador at James			32	51	52			22	20	28			54	71	81
Lakeway at Lincoln			26	35	36			31	42	51			57	78	89
Samish at Byron			22	26	33			43	40	48			65	66	83
Meridian at Birchwood			28	54	26			14	27	24			42	81	50
12th and Fairhaven Pkwy				55	61				68	112				127	173
Ellis and Ohio					77					38					115
Cornwall Avenue at Alabama Street	70	62	44	51	70	40	37	41	45	58	111	100	85	98	135
Holly Street at Railroad Avenue	129	81	102	95	140	226	188	310	186	247	356	270	412	285	390
South Bay Trail at Wharf Street	38	27	40	38	40	38	39	36	58	43	77	66	76	96	83
Fraser Street at Racine Street	34	14	23	18	40	11	17	41	20	59	47	31	64	38	101
Railroad Trail (behind Haggen/ Barkley Village)	49	15	25	17	27	69	46	52	89	139	118	61	77	109	166
Lakeway at Grant		38	34	45	34		37	33	43	45		75	67	89	79
Cordata at Westerly		17	18	17	26		49	58	60	65		66	76	77	92
E. Illinois at Memorial Park		31	26	39	32		37	11	29	48		68	37	69	85

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	18	18
	Total Count	2,570	4,443
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	17	17
Bike Change (2011 - 12)	Bike Total 2011	746	1,205
	Bike Total 2012	878	1,343
	Percent Change	17.6%	11.5%
Pedestrian Change (2011 - 12)	Bike Change	132	138
	Pedestrian Total 2011	1,198	2,410
	Pedestrian Total 2012	1,551	2,784
	Percent Change	29.4%	15.5%
Total Users Change (2011 - 12)	Pedestrian Change	353	374
	Total Users 2011	1,961	3,674
	Total Users 2012	2,455	4,188
	Percent Change	25.2%	13.9%
	Total Change	494	514
2012 Gender distribution and helmet usage			
% with helmet	68.3%		
	Pedestrian	Bicycle	
% male	49.6%	71.8%	
% female	50.4%	28.2%	

PM Counts (4-6) Location	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Northwest Avenue at McLeod Rd (Alderwood 2012)	63	37	52	46	67	30	23	16	37	74	96	60	68	84	141
Squalicum at Guide Meridian		29	34	68			54	15	27			85	49	100	
Dupont at 'F'		62	82	147	140		55	62	52	64		117	144	201	204
21st at Bill McDonald Pkwy		72	121	102	110		373	516	422	528		446	637	533	645
James at E. Orchard			20	17	14			8	7	9			28	24	23
Meador at James			77	68	87			72	32	66			149	103	158
Lakeway at Lincoln			79	72	54			129	142	124			208	228	186
Samish at Byron			40	59	66			104	146	103			144	213	172
Meridian at Birchwood			35	47	53			23	35	24			58	82	77
12th and Fairhaven Pkwy				77	82				99	77				186	165
Ellis and Ohio					145					104					255
Cornwall Avenue at Alabama Street	67	70	52	47	70	38	77	32	67	52	108	156	84	114	129
Holly Street at Railroad Avenue	272	243	270	224	214	731	603	644	729	1011	1009	857	914	958	1233
South Bay Trail at Wharf Street	152	140	124	121	137	122	115	149	131	133	274	255	273	252	271
Fraser Street at Racine Street	38	22	41	34	28	61	29	58	51	39	103	53	99	88	68
Railroad Trail (behind Haggen/Barkley Village)	39	41	51	32	49	155	123	171	156	153	194	166	222	188	203
Lakeway at Grant		50	65	39	75		55	132	160	157		105	197	202	245
Cordata at Westerly		14	13	26	35		81	156	115	147		95	169	142	183
E. Illinois at Memorial Park		28	37	47	62		27	19	29	23		55	56	76	85

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	18	18
	Total Count	2,570	4,443
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	17	17
Bike Change (2011 - 12)	Bike Total 2011	746	1,205
	Bike Total 2012	878	1,343
	Percent Change	17.6%	11.5%
	Bike Change	132	138
Pedestrian Change (2011 - 12)	Pedestrian Total 2011	1,198	2,410
	Pedestrian Total 2012	1,551	2,784
	Percent Change	29.4%	15.5%
	Pedestrian Change	353	374
Total Users Change (2011 - 12)	Total Users 2011	1,961	3,674
	Total Users 2012	2,455	4,188
	Percent Change	25.2%	13.9%
	Total Change	494	514
2012 Gender distribution and helmet usage			
% with helmet	68.3%		
	Pedestrian	Bicycle	
% male	49.6%	71.8%	
% female	50.4%	28.2%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Burke-Gilman Trail at 96th Ave NE	127	46	104	68	109	50	19	41	20	33	177	65	145	88	142
Sammamish River Trail at North Creek Trail	286	92	110	136	98	23	26	27	23	54	310	118	137	159	152
North Creek and/or new Fitzgerald trail (S of 228th)	25	9	9	20	26	9	17	18	15	17	34	26	27	36	43
SR-527 and 214th		11	12	17	16		11	28	33	37		22	40	50	54
23rd Ave SE at 240th St SE	5	5	5	5	5	63	64	65	49	48	68	69	70	54	53
Waynita Way at Valhalla Dr	20	10	22	3	34	12	7	23	10	6	32	17	46	13	40

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Burke-Gilman Trail at 96th Ave NE	282	263	170		280	81	49	65		116	368	316	237		402
Sammamish River Trail at North Creek Trail	118	66		362	289	28	32		40	62	147	99		413	361
North Creek and/or new Fitzgerald trail (S of 228th)	23	18	13	50		36	19	24	33		59	38	37	83	
SR-527 and 214th	15			20	17	10			27	27	26			51	45
23rd Ave SE at 240th St SE	16	7	8	13	6	71	53	56	93	44	87	61	66	108	52
Waynita Way at Valhalla Dr	38			13	10	21			16	7	59			29	17

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	6	5
	Total Count	484	877
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	6	4
Bike Change (2011 - 12)	Bike Total 2011	249	408
	Bike Total 2012	288	322
	Percent Change	15.7%	-21.1%
	Bike Change	39	-86
Pedestrian Change (2011 - 12)	Pedestrian Total 2011	150	176
	Pedestrian Total 2012	195	140
	Percent Change	30.0%	-20.5%
	Pedestrian Change	45	-36
Total Users Change (2011 - 12)	Total Users 2011	400	601
	Total Users 2012	484	475
	Percent Change	21.0%	-21.0%
	Total Change	84	-126
2012 Gender distribution and helmet usage			
% with helmet	95.8%		
	Pedestrian	Bicycle	
% male	48.6%	80.2%	
% female	51.4%	19.8%	

AM Counts (7-9)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Washington Ave at 4th St	22	17	16		38	247	128	134		197	269	146	151		242
5th St at Warren Ave	7	13	15		5	64	107	85		55	71	121	102		61
SR 310 at National Ave N	6	5	8		5	14	13	5		16	20	18	13		21
SR 304 at Charleston Beach Road	2	4	0		2	3	7	5		1	5	11	5		3
Lower Wheaton Way at Magnusson Way	2	5	3	6	2	16	13	15	11	12	18	18	18	17	14
Naval Avenue and 8th St	8	11	16		8	56	100	153		49	64	112	169		59

PM Counts (4-6)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Washington Ave at 4th St	29	22	20	34	84	213	160	181	212	350	243	182	206	251	440
5th St at Warren Ave	8	5	17	8	21	51	98	112	39	158	60	103	132	48	180
SR 310 at National Ave N	2		10		11	3		44		15	5		55		26
SR 304 at Charleston Beach Road	29				11	213				14	243				25
Lower Wheaton Way at Magnusson Way	8	6	8	14		25	2	58	31		39	8	67	45	
Naval Avenue and 8th St	26	6	34		11	45	80	127		76	71	90	164		87

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	6	5
	Total Count	400	758
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	1	2
	Bike Total 2011	6	42
	Bike Total 2012	2	105
	Percent Change	-66.7%	150.0%
Pedestrian Change (2011 - 12)	Bike Change	-4	63
	Pedestrian Total 2011	11	251
	Pedestrian Total 2012	12	508
	Percent Change	9.1%	102.4%
Total Users Change (2011 - 12)	Pedestrian Change	1	257
	Total Users 2011	17	299
	Total Users 2012	14	620
	Percent Change	-17.6%	107.4%
	Total Change	-3	321
2012 Gender distribution and helmet usage			
% with helmet	84.8%		
	Pedestrian	Bicycle	
% male	65.2%	76.3%	
% female	34.8%	23.7%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011
136th & 4th ave SW		4	4	4	19		18	12	11	29		22	17	19	52
Ambaum & SW 144th		2		4	12		33		38	52		35		42	73
SW 152nd & 1st Ave S.			5	5	13			78	115	98			84	120	114
Ambaum & SW 136th St			3	2	2			41	45	83			44	49	86
SW 150th & 4th Ave SW			7	10	36			51	49	85			59	60	125
SW 160th & 4th Ave Sw			2	1	11			98	55	107			102	57	118
SW 152nd & 21st Ave SW		10	2	6	6		124	94	114	74		135	96	120	80
S. 136th St & 8th Ave S		1	4	5	3		26	46	41	17		27	50	48	20
Des Moines Memorial Dr. & S 136th St					3					16					19
SW 116th St & 4th Ave Sw			9		11			53		87			72		98
1st Ave S & Normandy Rd			3	4				15	19				18	23	

PM Counts (4-6)	Bike					Pedestrian					Total				
	Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011
136th & 4th ave SW		10	5	13	11		24	56	27	35		34	62	41	48
Ambaum & SW 144th		6		5	12		67		52	86		73		59	98
SW 152nd & 1st Ave S.		10		17	11		121		169	115		133		191	127
Ambaum & SW 136th St		13	11	14	29		110	89	168	143		125	100	189	180
SW 150th & 4th Ave SW		7	29	11	29		126	199	200	202		140	243	216	231
SW 160th & 4th Ave Sw		5	7	5	10		48	84	52	74		53	96	57	84
SW 152nd & 21st Ave SW		27	20		13		64	145		77		102	165		94
S. 136th St & 8th Ave S		5	6	9	3		31	20	58	21		37	26	75	24
Des Moines Memorial Dr. & S 136th St				5	8	9			15	47	44			20	54
SW 116th St & 4th Ave Sw				5		15			50		53			57	72
1st Ave S & Normandy Rd		9	11	18			57	33	65			66	46	86	

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	10	10
	Total Count	785	1,012
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	8	8
	Bike Total 2011	37	82
	Bike Total 2012	102	114
	Percent Change	175.7%	39.0%
Pedestrian Change (2011 - 12)	Bike Change	65	32
	Pedestrian Total 2011	468	773
	Pedestrian Total 2012	545	720
	Percent Change	16.5%	-6.9%
Total Users Change (2011 - 12)	Pedestrian Change	77	-53
	Total Users 2011	515	883
	Total Users 2012	668	846
	Percent Change	29.7%	-4.2%
	Total Change	153	-37
2012 Gender distribution and helmet usage			
% with helmet	63.2%		
	Pedestrian	Bicycle	
% male	52.8%	82.9%	
% female	47.2%	17.1%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
E 14th Ave and D St	88	96	82			264	310	297			359	409	380		
E 18th Ave and N Walnut St	194			213		360			372		558			598	
E University Way and N Sprague St	45	54	44	50	33	192	184	179	184	170	243	239	226	235	206
N Walnut St and University Way	74	100		79	53	158	177		123	115	237	282		205	170
W 4th Ave and N Pearl St	11	11			7	43	27			61	55	39			69
S Chestnut St and E Mountain View Ave	7	4			12	10	15			12	20	19			24

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
E 14th Ave and D St		73		85	81		198		233	230		274		328	333
E 18th Ave and N Walnut St		116					228					358			
E University Way and N Sprague St	108	69	66	81	80	250	223	207	246	191	362	304	281	334	289
N Walnut St and University Way	84	90	82	100	97	305	183	112	225	186	400	289	196	331	290
W 4th Ave and N Pearl St	17		33	27		83		174	193		101		211	227	
S Chestnut St and E Mountain View Ave	7			11	10	5			27	18	12			38	28

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	4	4
	Total Count	469	940
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	2	4
	Bike Total 2011	129	277
	Bike Total 2012	86	268
	Percent Change	-33.3%	-3.2%
Pedestrian Change (2011 - 12)	Bike Change	-43	-9
	Pedestrian Total 2011	307	731
	Pedestrian Total 2012	285	625
	Percent Change	-7.2%	-14.5%
Total Users Change (2011 - 12)	Pedestrian Change	-22	-106
	Total Users 2011	440	1031
	Total Users 2012	376	940
	Percent Change	-14.5%	-8.8%
	Total Change	-64	-91
2012 Gender distribution and helmet usage			
% with helmet	23.1%		
	Pedestrian	Bicycle	
% male	50.2%	73.2%	
% female	49.8%	26.8%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
19th Ave SE and Lake Heights Dr	11		6	7	10	34		25	36	33	46		32	44	43
Lowell-Snohomish River Road at 35th Ave SE		5			2		1			0		6			2
112th ST SE at I-5 and Interurban Trail				26	25				24	35				50	61
W. Casino Rd. & 5th Ave W	22	19	26	18	16	50	60	100	84	120	72	80	126	102	139
Interurban Trail South of Madison	6	4	4	3	4	2	9	8	35	9	8	13	13	39	13
SR 529/Broadway at Marine View Dr	7	7		7	3	0	2		4	4	7	9		11	7
Airport Road and 94th St SW	10	9	9	5	11	3	1	5	6	3	13	10	14	11	14
Colby Ave and 23rd St	12	16	11	11	15	214	193	186	154	160	230	210	199	165	186
Interurban trail at 124th Street Pedestrian/Bicycle crossing over I-5		5	9	7	13		0	9	1	9		5	18	8	22
East Mukilteo Blvd at 42nd Street		5	3	2	5		5	2	6	1		10	5	8	6
US 2 pedestrian/bicycle path on Hewitt Avenue		6	5	7	11		6	3	1	4		12	8	8	15

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
19th Ave SE and Lake Heights Dr	18	5	18	11	21	38	11	80	97	107	57	16	99	111	137
Lowell-Snohomish River Road at 35th Ave SE					7					0					7
112th ST SE (E-W) at I-5 and Interurban Trail				58	62				67	86				127	155
W. Casino Rd. & 5th Ave W	35	30	52	49	25	155	112	76	142	176	199	155	129	203	209
Interurban Trail South of Madison	13	10	17	3	25	7	14	8	24	24	23	24	30	29	54
SR 529/Broadway at Marine View Dr (S of Snohomish River Bridge)	16	3		17	10	0	0		0	8	16	3		20	18
Airport Road and 94th St SW	22	9	14	20	24	12	1	6	13	6	34	10	20	35	30
Colby Ave and 23rd St	20	13	57	23	38	48	136	151	127	126	68	149	208	150	165
Interurban trail at 124th Street Pedestrian/Bicycle crossing over I-5		3			54		4			110		8			175
East Mukilteo Blvd at 42nd Street		5		11	5		3		12	8		8		23	13
US 2 pedestrian/bicycle path on Hewitt Avenue		6		9	15		0		6	3		6		15	18

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	11	11
	Total Count	508	981
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	10	9
Bike Change (2011 - 12)	Bike Total 2011	93	201
	Bike Total 2012	113	225
	Percent Change	21.5%	11.9%
	Bike Change	20	24
Pedestrian Change (2011 - 12)	Pedestrian Total 2011	351	488
	Pedestrian Total 2012	378	544
	Percent Change	7.7%	11.5%
	Pedestrian Change	27	56
Total Users Change (2011 - 12)	Total Users 2011	446	713
	Total Users 2012	506	799
	Percent Change	13.5%	12.1%
	Total Change	60	86
2012 Gender distribution and helmet usage			
% with helmet	73.1%		
	Pedestrian	Bicycle	
% male	55.6%	85.0%	
% female	44.4%	15.0%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Location															
Front St S and Newport Way SW		7	8		14		88	81		13		95	92		27
E Sunset Way and 6th Ave NE		2	3	0	1		13	9	11	12		15	12	11	13
Newport Way NW and SR 900		6	21	13			7	15	11			13	36	24	
17th Ave NW and 12th Ave NW		11	20	16	22		27	14	28	42		38	34	44	65
E Lk Sammamish Pkwy and SE 43rd Ave		7	12	18	15		4	0	12	2		11	12	30	17
SE Issaquah-Fall City Road and Black Nugget Road		4	8	3	7		11	11	1	19		15	19	4	26
East Lake Sammamish Trail @ Issaquah-Preston Trail Intersection			9	8	6			12	20	4			21	28	10

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Location															
Front St S and Newport Way SW		0		27	18		36		136	61		40		163	79
E Sunset Way and 6th Ave NE			5	3	12			14	59	76			19	62	88
Newport Way NW and SR 900		11	21	32	17		7	15	24	25		18	36	56	43
17th Ave NW and 12th Ave NW		14			37		28			57		42			94
E Lk Sammamish Pkwy and SE 43rd Ave		5	58		20		1	39		1		6	97		21
SE Issaquah-Fall City Road and Black Nugget Road															
East Lake Sammamish Trail @ Issaquah-Preston Trail Intersection					21					31					54

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	6	6
	Total Count	158	379
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	5	3
	Bike Total 2011	45	62
	Bike Total 2012	51	47
	Percent Change	13.3%	-24.2%
Pedestrian Change (2011 - 12)	Bike Change	6	-15
	Pedestrian Total 2011	72	219
	Pedestrian Total 2012	79	162
	Percent Change	9.7%	-26.0%
Total Users Change (2011 - 12)	Pedestrian Change	7	-57
	Total Users 2011	117	281
	Total Users 2012	131	210
	Percent Change	12.0%	-25.3%
	Total Change	14	-71
2012 Gender distribution and helmet usage			
% with helmet	95.8%		
	Pedestrian	Bicycle	
% male	58.9%	77.9%	
% female	41.1%	22.1%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
W. Main and SR 4/1st Ave at the base of the Allen Street Bridge			20		27			14		22			34		52
S.Kelso and Allen on the east side of I-5		1	12		9		47	40		64		48	52		74
N. Kelso Ave and Redpath		4	7				82	69				87	77		
S. Pacific Ave and Ash St (VINE), at the Worksource Center		2	4				12	23				15	27		
Allen St at 4th and 5th (couplet)		3	25				11	14				14	40		
Catlin & Washington Way			13					8					21		
W Cowlitz Way & Long Ave		2	12				10	10				12	22		
Transit Center at Florida and Commerce			4					21					25		

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
W. Main and SR 4/1st Ave at the base of the Allen Street Bridge		18	28	23			23	42	21			41	70	44	
S.Kelso and Allen on the east side of I-5		7	18				25	44				32	68		
N. Kelso Ave and Redpath		1	3				11	29				12	32		
S. Pacific Ave and Ash St (VINE), at the Worksource Center		2	16				50	38				52	54		
Allen St at 4th and 5th (couplet)		7	46				36	52				43	98		
Catlin & Washington Way & Ocean Beach HWY/W Cowlitz Way Intersection		7	16				16	12				23	28		
W Cowlitz Way & Long Ave & 5th Ave & Grant St. @ Best Western Intersection		2	15				25	37				27	52		
Transit Center - @ Florida and Commerce			26					78					108		

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	2	0
	Total Count	126	
Trends: 2011-2012 Comparison			
	Compared Locations		
Bike Change (2011 - 12)	Bike Total 2011		
	Bike Total 2012		
	Percent Change		
Pedestrian Change (2011 - 12)	Bike Change		
	Pedestrian Total 2011		
	Pedestrian Total 2012		
	Percent Change		
Total Users Change (2011 - 12)	Pedestrian Change		
	Total Users 2011		
	Total Users 2012		
	Percent Change		
	Total Change		
2012 Gender distribution and helmet usage			
% with helmet	25.0%		
	Pedestrian	Bicycle	
% male	57.0%	86.1%	
% female	43.0%	13.9%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Interurban Trail @ S. 259th Street	45	17	33	16	21	5	8	10	9	10	50	25	43	27	32
Interurban Trail @ James Street	50	15	38	46		60	45	49	58		110	60	88	104	
Interurban Trail @ S 180th St	54	15	32	50		6	4	1	15		60	19	33	65	
SE 240th Street @ 116th Ave SE	3	6	5	3	7	42	56	36	22	38	47	62	41	25	45
Green River Trail @ 200th Street	6	7	3		10	4	3	2		3	10	10	5	9	13
Benson/104th Ave SE @ SE 256th St/Kent-Kangley Rd (SR-516)		15	13	6	29		230	277	267	281		246	290	275	313
132nd Ave SE @ SE 272nd St/Kent-Kangley Rd (SR-516)			1	4	7			31	57	74			32	61	81
Pac Hwy @ Kent-Des Moines Rd		9		3	9		65		104	86		75		108	95

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Interurban Trail @ S. 259th Street	120	34	95	66	77	17	21	27	22	24	137	55	124	88	104
Interurban Trail @ James Street	90	38	110	71	88	68	63	63	76	84	159	102	178	154	174
Interurban Trail @ S 180th St	80		56	129		13		19	15		93		77	145	
SE 240th Street @ 116th Ave SE		19	10	11			24	69	51			48	98	63	
Green River Trail @ 200th Street	40	74	11	16	33	20	17	13	19	8	60	91	24	35	41
Benson/104th Ave SE @ SE 256th St/Kent-Kangley Rd (SR-516)		20	22	18	19		214	270	297	281		236	296	323	303
132nd Ave SE @ SE 272nd St/Kent-Kangley Rd (SR-516)			9	12	6			124	87	94			141	103	100
Pac Hwy @ Kent-Des Moines Rd		9		12	9		121		127	194		130		140	203

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	6	6
	Total Count	579	925
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	6	6
	Bike Total 2011	32	195
	Bike Total 2012	83	232
	Percent Change	159.4%	19.0%
Pedestrian Change (2011 - 12)	Bike Change	51	37
	Pedestrian Total 2011	459	628
	Pedestrian Total 2012	492	685
	Percent Change	7.2%	9.1%
Total Users Change (2011 - 12)	Pedestrian Change	33	57
	Total Users 2011	505	843
	Total Users 2012	579	925
	Percent Change	14.7%	9.7%
	Total Change	74	82
2012 Gender distribution and helmet usage			
% with helmet	75.6%		
	Pedestrian	Bicycle	
% male	53.3%	87.9%	
% female	46.7%	12.1%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
100th Ave NE and NE 132nd St	25	8	14	19	14	92	68	113	106	113	117	76	127	125	127
124th Avenue NE & NE 144th Street					8					50					59
Market St north of Central Way		19	26	26	19		76	59	69	107		95	85	95	126
116th Ave NE south of NE 41st St	9	2	13		10	1	5	2		5	10	7	15		15
NE 70th St west of 122nd Ave NE	18	9	19	17	7	31	28	34	30	31	49	37	55	48	38
NE 100th St on pedestrian/bike bridge over I-405	18	2	6	15		24	15	34	19		42	17	40	34	
NE 116th St west of 124th Ave NE	12	10	15	12	12	22	28	52	38	22	34	38	67	50	34
Juanita Drive & NE 143rd Street					28					27					56
Simonds Rd & 100th Avenue NE				7	22				9	7				16	29
Juanita-Woodinville Way & NE 145th Street					4					26					88

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
100th Ave NE and NE 132nd St	13	14			25	70	65			77	83	79			102
124th Avenue NE & NE 144th Street				10	16				121	105				138	122
Market St north of Central Way	57	13	72	56	59	113	41	458	231	237	172	54	530	291	296
116th Ave NE north of Kirkland/ Bellevue city limit (south of NE 41st St)		8		13	16		4		6	2		12		19	18
NE 70th St west of 122nd Ave NE	10	18	14	25	24	22	28	44	34	34	33	46	58	63	60
NE 100th St on pedestrian/bike bridge over I-405		1	17		14		15	20		19		17	37		33
NE 116th St west of 124th Ave NE	14		20	24		23		51	54		37		71	78	
Juanita Drive & NE 143rd Street				54	32				39	25				93	59
Juanita-Woodinville Way & NE 145th Street					15					58					73

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	9	8
	Total Count	572	763
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	5	5
Bike Change (2011 - 12)	Bike Total 2011	81	158
	Bike Total 2012	74	147
	Percent Change	-8.6%	-7.0%
	Bike Change	-7	-11
Pedestrian Change (2011 - 12)	Pedestrian Total 2011	252	431
	Pedestrian Total 2012	280	403
	Percent Change	11.1%	-6.5%
	Pedestrian Change	28	-28
Total Users Change (2011 - 12)	Total Users 2011	334	604
	Total Users 2012	354	555
	Percent Change	6.0%	-8.1%
	Total Change	20	-49
2012 Gender distribution and helmet usage			
% with helmet	92.6%		
	Pedestrian	Bicycle	
% male	54.2%	83.1%	
% female	45.8%	16.9%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Pacific Hwy SW at 47th Ave SW					3					4					7
Farwest Dr SW at Mt Tacoma Dr SW					6					38					44
Steilacoom Blvd SW/Trail at Farwest Dr SW/Sentinel Dr					6					57					63
Steilacoom Blvd SW at Lakewood Dr SW					10					69					81
Bridgeport Wy SW at 112th St SW					10					32					42
Gravelly Lake Dr SW at Main Street SW					12					33					45
Bridgeport Wy SW at Lakewood Towne Center Blvd SW					8					56					65

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Pacific Hwy SW at 108th St SW					28					27					55
Pacific Hwy SW at 47th Ave SW					30					13					43
Farwest Dr SW at Mt Tacoma Dr SW					14					23					37
Steilacoom Blvd SW/Trail at Farwest Dr SW/Sentinel Dr					17					41					58
Steilacoom Blvd SW at Lakewood Dr SW					18					53					73
Bridgeport Wy SW at 112th St SW					17					39					56
Gravelly Lake Dr SW at Main Street SW					23					106					129
Bridgeport Wy SW at Lakewood Towne Center Blvd SW					15					82					97

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	7	8
	Total Count	347	548
Trends: 2011-2012 Comparison			
	Compared Locations		
Bike Change (2011 - 12)	Bike Total 2011		
	Bike Total 2012		
	Percent Change		
Pedestrian Change (2011 - 12)	Bike Change		
	Pedestrian Total 2011		
	Pedestrian Total 2012		
Total Users Change (2011 - 12)	Percent Change		
	Pedestrian Change		
	Total Users 2011		
	Total Users 2012		
	Percent Change		
	Total Change		
2012 Gender distribution and helmet usage			
% with helmet	60.4%		
	Pedestrian	Bicycle	
% male	56.8%	86.6%	
% female	43.2%	13.4%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
15th & Oceanbeach	14	2	8	11	10	15	15	14	28	29	29	17	22	39	39
Washington Way and Kessler			13	16				18	23				31	39	
Commerce and Broadway		10	5	5			29	38	60			40	43	65	
38th and Ocean Beach HWY	11	2	7	12		38	36	34	20		51	38	43	32	
15th and Washington Way	8	10	10			12	13	17			20	23	28		
Nichols Ave and Washington Way			8	13				15	95				23	109	

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
15th & Oceanbeach	10	18	17		15	22	15	19		13	32	34	36		28
Washington Way and Kessler			27		25			39		51			69		79
Commerce and Broadway	35	7	32		24	236	101	141		138	271	108	182		167
38th and Ocean Beach HWY	11	2	8		10	33	19	28		29	47	21	36		39
15th and Washington Way	15	10	12			19	31	5			34	41	17		
Nichols Ave and Washington Way			45					106					157		

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	1	4
	Total Count	39	313
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	1	
	Bike Total 2011	11	
	Bike Total 2012	10	
	Percent Change	-9.1%	
Pedestrian Change (2011 - 12)	Bike Change	-1	
	Pedestrian Total 2011	28	
	Pedestrian Total 2012	29	
	Percent Change	3.6%	
Total Users Change (2011 - 12)	Pedestrian Change	1	
	Total Users 2011	39	
	Total Users 2012	39	
	Percent Change	0.0%	
	Total Change	0	
2012 Gender distribution and helmet usage			
% with helmet	26.2%		
	Pedestrian	Bicycle	
% male	45.8%	77.4%	
% female	54.2%	22.6%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
I-90 Trail @ East Channel Bridge				86	126				10	14				96	140
E. Mercer Way & SE 53rd Pl				25					15					40	
W. Mercer Way & SE 70th St			34	17	20			13	17	12			47	34	32
Island Crest Way & SE 68th St			9	8				40	16				49	24	
E. Mercer Way & SE 70th Pl				13	14				9	3			22	17	
SE 27th St & 76th Ave SE 228				10	8				66	91			77	99	
I-90 trail & SE 26th ST					69					38					107
SE 26th St & 84th Ave SE				39	56				20	30			59	87	
W. Mercer Way & SE 40th St			23	27				8	11				31	38	
SE 40th St & 86th Ave SE				16					37				53		
E. Mercer Way & 99th Ave SE															
Island Crest Way & SE 44th St			8	1				9	6				17	7	
Island Crest Way & SE 53rd Pl			18	20	14			33	46	30			51	68	45

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	7	9
	Total Count	527	883
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	6	5
Bike Change (2011 - 12)	Bike Total 2011	185	648
	Bike Total 2012	238	469
	Percent Change	28.6%	-27.6%
Pedestrian Change (2011 - 12)	Bike Change	53	-179
	Pedestrian Total 2011	168	212
	Pedestrian Total 2012	180	154
	Percent Change	7.1%	-27.4%
Total Users Change (2011 - 12)	Pedestrian Change	12	-58
	Total Users 2011	356	867
	Total Users 2012	420	624
	Percent Change	18.0%	-28.0%
	Total Change	64	-243
2012 Gender distribution and helmet usage			
% with helmet	97.8%		
	Pedestrian	Bicycle	
% male	49.8%	86.5%	
% female	50.2%	13.5%	

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
I-90 Trail @ East Channel Bridge			209	263	186			24	11	15			234	274	201
E. Mercer Way & SE 53rd Pl			55		81			5		18			60		99
W. Mercer Way & SE 70th St			59	92	72			6	8				65	100	
Island Crest Way & SE 68th St			15	18				52	64				70	85	
E. Mercer Way & SE 70th Pl			55		71					2			55		73
SE 27th St & 76th Ave SE 228				6	9				124	49				133	58
I-90 trail & SE 26th ST			115	133	79			42	27	35			157	161	114
SE 26th St & 84th Ave SE				142	114				41	49				186	164
W. Mercer Way & SE 40th St			62	104	81			13	9	6			76	113	87
SE 40th St & 86th Ave SE			16					78					96		
E. Mercer Way & 99th Ave SE															
Island Crest Way & SE 44th St			7	5				3	8				11	13	
Island Crest Way & SE 53rd Pl			13		20			89		66			102		87

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	7	9
	Total Count	527	883
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	6	5
Bike Change (2011 - 12)	Bike Total 2011	185	648
	Bike Total 2012	238	469
	Percent Change	28.6%	-27.6%
Pedestrian Change (2011 - 12)	Bike Change	53	-179
	Pedestrian Total 2011	168	212
	Pedestrian Total 2012	180	154
	Percent Change	7.1%	-27.4%
Total Users Change (2011 - 12)	Pedestrian Change	12	-58
	Total Users 2011	356	867
	Total Users 2012	420	624
	Percent Change	18.0%	-28.0%
	Total Change	64	-243
2012 Gender distribution and helmet usage			
% with helmet	97.8%		
	Pedestrian	Bicycle	
% male	49.8%	86.5%	
% female	50.2%	13.5%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
52nd Ave W and 220th St SW			6	7	6			192	203	199			201	211	205
Interurban Trail and 216th St SW			19	20	25			63	70	64			82	90	89
Interurban Trail and Lakeview Drive (228th SW)			13	9	29			14	22	20			27	31	50
Mountlake Terrace Transit Center entrance, north side of 236th St SW			7	6				13	33				20	39	

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
52nd Ave W and 220th St SW			2	1				29	7				31	8	
Interurban Trail and 216th St SW			50	29				57	67				107	96	
Interurban Trail and Lakeview Drive (228th SW)			45	44	87			44	40	69			89	85	156
Mountlake Terrace Transit Center entrance, north side of 236th St SW			8	4				18	13				26	17	

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	3	1
	Total Count	344	156
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	3	1
	Bike Total 2011	36	44
	Bike Total 2012	60	87
	Percent Change	66.7%	97.7%
Pedestrian Change (2011 - 12)	Bike Change	24	43
	Pedestrian Total 2011	295	40
	Pedestrian Total 2012	283	69
	Percent Change	-4.1%	72.5%
Total Users Change (2011 - 12)	Pedestrian Change	-12	29
	Total Users 2011	332	85
	Total Users 2012	344	156
	Percent Change	3.6%	83.5%
	Total Change	12	71
2012 Gender distribution and helmet usage			
% with helmet	84.4%		
	Pedestrian	Bicycle	
% male	53.4%	88.4%	
% female	46.6%	11.6%	

AM Counts (7-9)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
916 Bayshore Drive	4			3		37			41		41			44	
Scenic Heights St between Sr 20 & Freund	2			1		6			9		8			10	
SW Barrington Dr (Between Erie and Bowner)	1				3	4			3	9	5			3	13

PM Counts (4-6)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
916 Bayshore Drive	14			12		57			55		71			67	
Scenic Heights St between Sr 20 & Freund	3			11		5			21		8			32	
SW Barrington Dr (Between Erie and Bowner)	1			3		9			10		10			14	

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	1	0
	Total Count	13	
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	1	
Bike Change (2011 - 12)	Bike Total 2011	0	
	Bike Total 2012	3	
	Percent Change		
Pedestrian Change (2011 - 12)	Bike Change	3	
	Pedestrian Total 2011	3	
	Pedestrian Total 2012	9	
Total Users Change (2011 - 12)	Percent Change	200.0%	
	Pedestrian Change	6	
	Total Users 2011	3	
	Total Users 2012	13	
	Percent Change	333.3%	
	Total Change	10	
2012 Gender distribution and helmet usage			
% with helmet	100.0%		
	Pedestrian	Bicycle	
% male	66.7%	66.7%	
% female	33.3%	33.3%	

AM Counts (7-9)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
4th Avenue Bridge/Roundabout	108	71	84	53	86	63	50	56	57	68	171	121	140	110	154
East Bay Drive and Glass Avenue		13	20		24		19	13		18		32	34		42
Boulevard Road and 22nd Avenue SE	20	17	28	24	25	6	4	2	13	4	26	21	30	37	29
Capitol Way between Maple Park and 21st Avenue	23	10	10	8	17	24	21	25	51	35	47	31	35	59	52
Legion Way between Capitol and Washington	52	30	11	14	21	303	161	168	192	223	360	195	179	206	244
Harrison and Division	15	31	27	32	42	16	75	46	62	68	34	106	73	94	110

PM Counts (4-6)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
4th Avenue Bridge/Roundabout	81		89	130	100			92	117	154	81		207	253	254
East Bay Drive and Glass Avenue	41		67	25		31		60	28		72		131	55	
Boulevard Road and 22nd Avenue SE	32	15	36			12	4	8			44	20	44		
Capitol Way between Maple Park and 21st Avenue	23	17	60	30	27	25	50	114	41	55	48	68	176	73	82
Legion Way between Capitol and Washington	23	63		27	48	180	347		261	400	203	415		289	452
Harrison and Division	46	62	46	32	52	51	113	130	59	134	98	175	177	93	187

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	6	4
	Total Count	631	975
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	5	4
	Bike Total 2011	131	219
	Bike Total 2012	191	227
	Percent Change	45.8%	3.7%
Pedestrian Change (2011 - 12)	Bike Change	60	8
	Pedestrian Total 2011	375	478
	Pedestrian Total 2012	398	743
	Percent Change	6.1%	55.4%
Total Users Change (2011 - 12)	Pedestrian Change	23	265
	Total Users 2011	506	708
	Total Users 2012	589	975
	Percent Change	16.4%	37.7%
	Total Change	83	267
2012 Gender distribution and helmet usage			
% with helmet	62.0%		
	Pedestrian	Bicycle	
% male	51.5%	72.4%	
% female	48.5%	27.6%	

AM Counts (7-9)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Riverwalk Trail at SR-512				5	7				21	1				26	8
Foothills Trail south of 80th St E			3	5	13			5	8	7			8	13	20
Canyon Rd E at 116th St E			1					1	4				2	4	

PM Counts (4-6)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Riverwalk Trail at SR-512			27	28	17			11	15	23			39	43	41
Foothills Trail south of 80th St E				96	48				45	16				149	65
Canyon Rd E at 116th St E			10	4	2			6	20	11			17	24	13
5th St NW at 3rd Ave NW					119					46					166
S Meridian at 4th St SE/SW					34					189					234

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	2	5
	Total Count	28	519
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	2	3
Bike Change (2011 - 12)	Bike Total 2011	10	128
	Bike Total 2012	20	67
	Percent Change	100.0%	-47.7%
	Bike Change	10	-61
Pedestrian Change (2011 - 12)	Pedestrian Total 2011	29	80
	Pedestrian Total 2012	8	50
	Percent Change	-72.4%	-37.5%
	Pedestrian Change	-21	-30
Total Users Change (2011 - 12)	Total Users 2011	39	216
	Total Users 2012	28	119
	Percent Change	-28.2%	-44.9%
	Total Change	-11	-97
2012 Gender distribution and helmet usage			
% with helmet	82.9%		
	Pedestrian	Bicycle	
% male	56.0%	65.4%	
% female	44.0%	34.6%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
SR520 Trail at NE 40th St		96	111	59			407	421	8			503	534	67	
Old Red Rd at 140th Ave NE		27	34	19			43	20	29			70	55	48	
166th Ave at NE 104th St			13	17				165	179				182	196	
Sammamish River Trail north of NE 85th St		77	110				63	82				141	192		
East Lake Sammamish Trail @ Marymoor Connector Trail Intersection			40	4				21	1				61	5	

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
SR520 Trail at NE 40th St		94	211	80	123		277	338	13	10		371	550	93	133
Old Red Rd at 140th Ave NE		19	46	26	62		10	50	27	28		29	96	53	90
166th Ave at NE 104th St		15	13	9	9		56	53	19	19		72	69	28	28
Sammamish River Trail north of NE 85th St		86	318	226	299		45	121	133	154		133	442	364	453
East Lake Sammamish Trail @ Marymoor Connector Trail Intersection			88	35				54	3				144	38	

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	0	4
	Total Count	0	704
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	NA	4
Bike Change (2011 - 12)	Bike Total 2011	NA	341
	Bike Total 2012	NA	493
	Percent Change	NA	44.5%
Pedestrian Change (2011 - 12)	Bike Change	NA	152
	Pedestrian Total 2011	NA	192
	Pedestrian Total 2012	NA	211
	Percent Change	NA	9.8%
Total Users Change (2011 - 12)	Pedestrian Change	NA	19
	Total Users 2011	NA	538
	Total Users 2012	NA	704
	Percent Change	NA	30.8%
	Total Change	NA	166
2012 Gender distribution and helmet usage			
% with helmet	NA		
	Pedestrian	Bicycle	
% male	NA	88.5%	
% female	NA	11.5%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Goethals & Lee	13	5	7	7	8	10	40	22	17	27	24	49	30	24	38
Swift & George Washington		1	0	1	5		4	9	6	4		5	9	7	9
Columbia Point & George Washington	1					8					9				
Keene & Queensgate	6		8	4	6	3		9	8	5	9		17	12	11

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Goethals & Lee	20			17		68			78		102			96	
Swift & George Washington	4	4	7		94	24	0	14		148	29	4	21		242
By-Pass Highway & Swift	7		6	18	9	15		10	13	11	22		16	31	20
Stevens & Spengler	17	12	10	10	43	5	1	7	4	38	22	13	19	14	81
Columbia Point & George Washington	1					34					35				
Keene & Queensgate	18	10				3	2				21	12			

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	3	3
	Total Count	58	343
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	3	2
	Bike Total 2011	12	28
	Bike Total 2012	19	52
	Percent Change	58.3%	85.7%
Pedestrian Change (2011 - 12)	Bike Change	7	24
	Pedestrian Total 2011	31	17
	Pedestrian Total 2012	36	49
	Percent Change	16.1%	188.2%
Total Users Change (2011 - 12)	Pedestrian Change	5	32
	Total Users 2011	43	45
	Total Users 2012	58	101
	Percent Change	34.9%	124.4%
	Total Change	15	56
2012 Gender distribution and helmet usage			
% with helmet	85.5%		
	Pedestrian	Bicycle	
% male	48.1%	59.4%	
% female	51.9%	40.6%	

AM Counts (7-9) Location	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Fremont Bridge & N 34th St		417	577	800			167	208	500			585	785	1300	
Ballard Bridge		79	138	111	136		20	45	17	57		99	183	128	194
Lakeside Ave S & Lake Washington Blvd S		67	68	61	81		6	64	88	66		73	132	151	147
Broadway E & E John St				69	81				568	818				642	900
University Way NE & NE 47th St			123	81	104			714	579	611			838	663	718
Highland Park Way SW & Duwamish Trail		11	29	37			10	11	35			21	40	72	
University Bridge & Fuhrman Ave E		304		484	476		176		225	243		480		709	719
California Ave SW & SW Alaska St		11	26	20			226	244	247			237	270	267	
Beacon Ave S & Chief Sealth Trail		15	20	41	24		98	57	130	225		113	77	172	252
Queen Anne Ave N & Boston St		13	11	12	17		154	408	327	390		172	421	341	407
Rainier Ave S & S Edmunds St		10	20	31	33		184	166	283	259		194	188	314	294
MLK & S Henderson St & Chief Sealth Trail		10		12			302		399			314		412	
MLK & S Myrtle St @ Othello Station		10	4	10	9		144	222	214	315		155	226	224	326
I-90 Trail @ West Bridge Bridge)			161	108				6	28				167	136	
Elliott Bay Trail @ Myrtle Edwards Park				243	211				354	232				598	448
Elliott Bay Trail @ 21st Ave.				35	227				31	42				66	269
Alki Trail @ 53rd Ave. SW (60					127					194	
Ballard Locks				57	69				59	51				116	120
Shilshole and 17th Ave NW				211	198				24	16				235	214
Montlake Bridge		226	267	271	279		292	289	263	358		518	558	534	639
Westlake Ave (Cheshuihud Trail)				271	252				279	262				551	516
12th Ave & 43rd St					60					354					414
Brooklyn Ave & 40th St					172					502					674
Duwamish Trail & Lower W Seattle Bridge		139	123	289	258		17	17	13	20		156	140	302	278
Aurora Bridge & Burke Gilman Trail			113	197	239			64	75	91			177	274	330
NE Ravenna Blvd & E Greenlake & NE 71 St		177	202	186	198		224	236	146	198		404	439	332	404
Jose Rizal Bridge & I-90 Trail		111	135	144	134		107	122	128	108		218	257	272	242

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	21	23
	Total Count	8,505	15,273
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	19	14
Bike Change (2011 - 12)	Bike Total 2011	2804	3220
	Bike Total 2012	3026	3405
	Percent Change	7.9%	5.7%
Pedestrian Change (2011 - 12)	Bike Change	222	185
	Pedestrian Total 2011	3803	5862
	Pedestrian Total 2012	4362	4765
	Percent Change	14.7%	-18.7%
Total Users Change (2011 - 12)	Pedestrian Change	559	-1097
	Total Users 2011	6624	9156
	Total Users 2012	7417	8308
	Percent Change	12.0%	-9.3%
	Total Change	793	-848
2012 Gender distribution and helmet usage			
% with helmet	93.5%		
	Pedestrian	Bicycle	
% male	43.4%	71.8%	
% female	56.6%	28.2%	

PM Counts (4-6)	Bike					Pedestrian					Total					
	Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Fremont Bridge & N 34th St			681	728	840			709	614					1397	1345	840**
Ballard Bridge		92		158	137		25		58	31		117		217	170	
Lakeside Ave S & Lake Washington Blvd S		55					102					159				
Broadway E & E John St		108	173		164		1820	1967		2024		1934	2144		2196	
University Way NE & NE 47th St		176	237	153	101		2398	1892	1350	927		2585	2139	1518	1034	
Highland Park Way SW & Duwamish Trail					63					39					102	
University Bridge & Fuhrman Ave E		360	461	556	494		189	286	412	441		550	749	968	938	
California Ave SW & SW Alaska St			44	25	31			695	819	660			739	844	691	
Beacon Ave S & Chief Sealth Trail		11		26	66		44		120	94		55		148	160	
Queen Anne Ave N & Boston St		15	34	26	39		474	867	740	811		495	906	746	854	
Rainier Ave S & S Edmunds St		33	16		25		497	0		506		532	18		532	
MLK & S Henderson St & Chief Sealth Trail		11		18	255		284		402	252		295		420	606	
MLK & S Myrtle St @ Othello Station		3	5	8			220	316	301			223	321	309		
I-90 Trail @ West Bridge (location on trail at the west end of the I-90 Bridge)			208	223	173			19	55	11			227	279	184	
Elliott Bay Trail @ Myrtle Edwards Park					381					612					1024	
Elliott Bay Trail @ 21st Ave. W				50	218				36	37				89	257	
Alki Trail @ 53rd Ave. SW				185	143				547	373				796	535	
Ballard (Chittenden) Locks (southside entrance)				128	97				121	475				250	572	
Shilshole and 17th Ave NW					256					49					306	
Montlake Bridge		183	347	468	402		219	221	394	480		403	569	863	882	
Westlake Ave (Cheshuihud Trail)					265					414					686	
12th Ave & 43rd St					108					674					785	
Brooklyn Ave & 40th St					295					691					986	
Duwamish Trail & Lower W Seattle Bridge			273		277			18		71			291		348	
Aurora Bridge & Burke Gilman Trail		334	564	476	409		107	222	194	173		445	793	673	585	
NE Ravenna Blvd & E Greenlake & NE 71 St		136	287	232			187	771	760			323	1069	998		
Jose Rizal Bridge & I-90 Trail		128	154	160			103	129	102			231	283	264		

**Fremont Bridge Count includes only bike traffic

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	21	23
	Total Count	8,505	15,273
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	19	14
Bike Change (2011 - 12)	Bike Total 2011	2804	3220
	Bike Total 2012	3026	3405
	Percent Change	7.9%	5.7%
Pedestrian Change (2011 - 12)	Bike Change	222	185
	Pedestrian Total 2011	3803	5,248
	Pedestrian Total 2012	4362	4,765
	Percent Change	14.7%	-483
Total Users Change (2011 - 12)	Pedestrian Change	559	-9.2%
	Total Users 2011	6624	7,811
	Total Users 2012	7417	7,468
	Percent Change	12.0%	-4.3%
	Total Change	793	-343
2012 Gender distribution and helmet usage			
% with helmet	93.5%		
	Pedestrian	Bicycle	
% male	43.4%	71.8%	
% female	56.6%	28.2%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
15th Avenue NE and NE 155th Street			11	13	16			37	36	19			48	47	35
Dayton Avenue N and N 160th Street			12	14				78	84				90	98	
Interurban Trail and N 155th Street			45	42	59			40	33	38			85	75	97
Interurban Trail and N 175th Street			20	48	28			67	106	155			87	155	183
Interurban Trail and N 200th Street			18	31				83	81				101	114	
Richmond Beach Road and 8th Avenue NW			11	7	4			94	24	17			106	31	23

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
15th Avenue NE and NE 155th Street			24	15				33	44				57	61	
Dayton Avenue N and N 160th Street			8	16	14			68	72	119			76	90	133
Interurban Trail and N 155th Street			48	49	106			102	46	103			150	96	209
Interurban Trail and N 175th Street			60	69	70			121	68	119			181	137	191
Interurban Trail and N 200th Street			12	43	63			31	112	105			44	156	168
Richmond Beach Road and 8th Avenue NW			15	13	11			61	86	62			76	99	85

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	4	5
	Total Count	338	786
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	4	5
	Bike Total 2011	110	190
	Bike Total 2012	107	264
	Percent Change	-2.7%	38.9%
Pedestrian Change (2011 - 12)	Bike Change	-3	74
	Pedestrian Total 2011	199	384
	Pedestrian Total 2012	229	508
	Percent Change	15.1%	32.3%
Total Users Change (2011 - 12)	Pedestrian Change	30	124
	Total Users 2011	308	578
	Total Users 2012	338	786
	Percent Change	9.7%	36.0%
	Total Change	30	208
2012 Gender distribution and helmet usage			
% with helmet	90.2%		
	Pedestrian	Bicycle	
% male	56.9%	80.6%	
% female	43.1%	19.4%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011
E 5th Ave and S Sherman Street	25	19	31	27		33	16	22	26		59	35	54	53	
Southeast Blvd. & Rockwood Blvd. (3-way intersection)		10	18		19		22	27		20		32	45		39
W 4th Ave and S Washington St	40	23	21	15	21	84	55	283	53	57	126	79	305	68	78
W 2nd Ave and S Howard St	31	21	15	28	31	183	204	149	271	195	219	225	164	299	228
W Spokane Falls Blvd and N Howard St	61	56	30	52	49	192	221	134	159	151	253	278	164	215	200
E Mission Ave and N Perry St (Centennial Trail)	55	45	31	38	61	66	62	70	41	31	122	107	101	80	92
W Buckeye Ave and N Post St	17	11	17	15	25	10	8	13	8	15	27	19	32	23	40
Addison St. & Rowan Ave. intersection		9	9	14	10		20	27	36	83		29	36	51	98
Driscoll Blvd. & Queen St. (3-way intersection)		21	12		4		56	47		16		77	59		20
17th Ave. and Bernard St. intersection		7	17	6	17		28	29	9	28		36	46	16	45

PM Counts (4-6)	Bike					Pedestrian					Total				
	Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011
E 5th Ave and S Sherman Street	33	26	31		31	86	21	43		34	120	47	77		67
Southeast Blvd. & Rockwood Blvd. (3-way intersection)		10	6	30	26		16	12	30	25		28	18	60	52
W 4th Ave and S Washington St	21	29		21	19	59	142		153	110	93	174		175	132
W 2nd Ave and S Howard St	55	26	8	35	45	280	259	175	285	225	339	289	183	327	287
W Spokane Falls Blvd and N Howard St	161	37	90		140	518	346	317		483	706	387	418		635
E Mission Ave and N Perry St (Centennial Trail)	126	86	91	63		169	116	110	108		298	206	203	175	
W Buckeye Ave and N Post St	17	15	11	10	35	7	11	14	17	7	24	26	25	27	46
Addison St. & Rowan Ave. intersection		15	27	10	23		16	35	51	29		31	62	61	54
Driscoll Blvd. & Queen St. (3-way intersection)		8	9	29	31		23	7	11	8		34	17	46	40
17th Ave. and Bernard St. intersection		17	21		24		41	17		18		65	39		42

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	9	9
	Total Count	840	1,355
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	7	6
Bike Change (2011 - 12)	Bike Total 2011	168	135
	Bike Total 2012	214	179
	Percent Change	27.4%	32.6%
Pedestrian Change (2011 - 12)	Bike Change	46	44
	Pedestrian Total 2011	577	547
	Pedestrian Total 2012	560	404
	Percent Change	-2.9%	-26.1%
Total Users Change (2011 - 12)	Pedestrian Change	-17	-143
	Total Users 2011	752	696
	Total Users 2012	781	611
	Percent Change	3.9%	-12.2%
	Total Change	29	-85
2012 Gender distribution and helmet usage			
% with helmet	69.9%		
	Pedestrian	Bicycle	
% male	53.6%	77.4%	
% female	46.4%	22.6%	

AM Counts (7-9) Location	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Historic Water Ditch Trail: S. 56th St & S. Montgomery St	2	3	1	1		15	21	18	14		17	24	20	15	
Market St and S. 11th St		7	10	7			150	178	180			157	189	187	
Scott Pierson Trail – near Cheney Stadium		6		6	12		0		1	0		6		7	12
Park Ave and S. 56th St		0	6	5	6		8	26	20	19		8	32	25	25
S. Tyler St and Center St		1	14	4	11		50	43	35	43		51	57	42	54
N. 21st St and N. Union Ave		8			16		32			17		40			33
N. Vassault St and N. 37th St		10	5	4	2		22	21	23	16		32	26	27	18
E. 48th St and E. Portland Ave			6	6	4			76	66	70			84	72	75
Skybridge over SR 16 (at N. Skyline Dr)			0	11	9			21	11	11			21	22	20
S. Schuster Parkway & S. 4th St			6	2	2			6	8	14			12	10	16
Scott Pierson Trail on Tacoma Narrows Bridge			12		19			10		9			22		28
S. Tacoma Way & S. C Street	3	8		2	6	108	109		103	123	111	117		105	129
G and S. 37th					12					283					295
Dock St. and S. 15th					10					22					32
Market St and S. 9th St					10					149					160
Yakima and Division					22					137					160
Proctor and 24th					14					34					78
St. Helens Ave & Tacoma Ave S.	22	23	20	19	22	53	85	100	43	43	76	111	120	62	65
S. 56th St & Yakima Ave	6	2	2	7		39	18	24	21		45	20	26	28	
Market St & S. 19th St		4	4	5	2		97	207	138	191		102	211	143	193
6th Ave & Union Ave	8		9		14	25		26		34	33		35		48
Eells St Bridge (Puyallup River)			6	7	6			2	8	7			8	15	13
Ruston Way and McCarver St		3		2			45		41			48		43	
Fawcett Av and S. 11th St		7	7	7	8		101	96	98	125		108	103	105	133

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	20	16
	Total Count	1,587	1,902
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	12	8
Bike Change (2011 - 12)	Bike Total 2011	78	126
	Bike Total 2012	90	144
	Percent Change	15.4%	14.3%
Pedestrian Change (2011 - 12)	Bike Change	12	18
	Pedestrian Total 2011	554	564
	Pedestrian Total 2012	662	511
	Percent Change	19.5%	-9.4%
Total Users Change (2011 - 12)	Pedestrian Change	108	-53
	Total Users 2011	635	696
	Total Users 2012	753	664
	Percent Change	18.6%	-4.6%
	Total Change	118	-32
2012 Gender distribution and helmet usage			
% with helmet	79.1%		
	Pedestrian	Bicycle	
% male	57.1%	79.8%	
% female	42.9%	20.2%	

PM Counts (4-6) Location	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Historic Water Ditch Trail: S. 56th St & S. Montgomery St		10	9		6		37	17		21		48	30		27
Market St and S. 11th St		10	13				162	167				172	181		
Scott Pierson Trail – near Cheney Stadium		6	8	16			2	0	4			8	9	20	
Park Ave and S. 56th St		9	18	9	22		38	43	29	80		48	64	37	104
S. Tyler St and Center St			10	17				61	74				74	91	
N. 21st St and N. Union Ave			27		25			90		56			118		84
N. Vassault St and N. 37th St		25	25	14	17		27	23	43	15		56	48	57	33
E. 48th St and E. Portland Ave		4	9	13			9	67	9			15	83	22	
Skybridge over SR 16 (at N. Skyline Dr)			23	15	21			24	57	32			49	75	53
S. Schuster Parkway & S. 4th St				10	6				22	21				33	28
Scott Pierson Trail on Tacoma Narrows Bridge			26		63			10		27			36		90
S. Tacoma Way & S. C Street	2	13		15		254	280		161		256	293		176	
G and S. 37th															
Dock St. and S. 15th					11					42					53
Market St and S. 9th St					17					334					359
Yakima and Division					49					266					316
Proctor and 24th					23					121					144
St. Helens Ave & Tacoma Ave S.	25	24	40	28	27	128	215	183	132	90	153	240	224	161	117
S. 56th St & Yakima Ave	9	7	14	9		67	25	43	27		76	32	59	37	
Market St & S. 19th St	9	6	3	14		166	141	226	199		175	147	232	213	
6th Ave & Union Ave	28	27	17	9	16	39	117	97	46	85	67	145	116	55	104
Eells St Bridge (Puyallup River)			11	17	6			4	4	7			15	21	13
Ruston Way and McCarver St		10	24	24	29		85	225	231	181		95	254	257	212
Fawcett Av and S. 11th St		9	6		14		115	90		151		124	96		165

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	20	16
	Total Count	1,587	1,902
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	12	8
Bike Change (2011 - 12)	Bike Total 2011	78	126
	Bike Total 2012	90	144
	Percent Change	15.4%	14.3%
Pedestrian Change (2011 - 12)	Bike Change	12	18
	Pedestrian Total 2011	554	564
	Pedestrian Total 2012	662	511
	Percent Change	19.5%	-9.4%
Total Users Change (2011 - 12)	Pedestrian Change	108	-53
	Total Users 2011	635	696
	Total Users 2012	753	664
	Percent Change	18.6%	-4.6%
	Total Change	118	-32
2012 Gender distribution and helmet usage			
% with helmet	79.1%		
	Pedestrian	Bicycle	
% male	57.1%	79.8%	
% female	42.9%	20.2%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Boeing Access Road and East Marginal Way S.		6	19	11			3	5	2			9	24	13	
Norfolk and E. Marginal Way S.															
S. 129 Street and 50 Place S.		1	0				0	5				1	5		
International Boulevard and Southcenter Boulevard		5	12	4	8		59	99	147	107		64	111	151	115
Green River Trail and Interurban Trail intersection		17	19	17	31		6	15	33	12		23	34	50	43
Tukwila Commuter Rail Station		19	24	26	44		23	56	91	114		42	80	117	160
S. 180 Street and Southcenter Parkway		3	0				4	0				7	0		
S. 144 Street and Tukwila International Blvd.			6	8	20			371	376	345			377	384	365
42 Av S and Interurban Ave					25					33					58

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Boeing Access Road and East Marginal Way S.		14	5				9	13				23	18		
Norfolk and E. Marginal Way S.															
S. 129 Street and 50 Place S.		2			53		8			57		10			112
International Boulevard and Southcenter Boulevard		8	10	11	14		92	204	132	141		100	214	143	155
Green River Trail and Interurban Trail intersection		56	47	59			26	20	19			82	69	78	
Tukwila Commuter Rail Station		58	50		72		78	102		170		137	152		243
S. 180 Street and Southcenter Parkway		0	1				2	7				2	8		
S. 144 Street and Tukwila International Blvd.			10	20	18			430	341	292			449	366	313
42 Av S and Interurban Ave				15					27					42	

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	5	4
	Total Count	741	823
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	4	2
Bike Change (2011 - 12)	Bike Total 2011	55	31
	Bike Total 2012	103	32
	Percent Change	87.3%	3.2%
	Bike Change	48	1
Pedestrian Change (2011 - 12)	Pedestrian Total 2011	647	473
	Pedestrian Total 2012	578	433
	Percent Change	-10.7%	-8.5%
	Pedestrian Change	-69	-40
Total Users Change (2011 - 12)	Total Users 2011	702	509
	Total Users 2012	683	468
	Percent Change	-2.7%	-8.1%
	Total Change	-19	-41
2012 Gender distribution and helmet usage			
% with helmet	84.2%		
	Pedestrian	Bicycle	
% male	58.8%	89.5%	
% female	41.2%	10.5%	

AM Counts (7-9)		Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	
I-5 bridge (downstream side /SB direction near Columbia St)	88	23		61		8	22		45		97	45		106		
East 23rd St at Ellsworth St	24	22	20	27	26	6	3	0	2	2	30	25	20	29	28	
McLoughlin at Ft Vancouver	33	40		28	28	61	101		108	70	95	144		137	105	
Mill Plain at Ft Vancouver	7	14		13		26	47		40		33	61		53		
Columbia Street at Evergreen	40	18		27		53	145		90		94	163		117		
Evergreen Highway at Fish Hatchery driveway/ trail end	44		1	0	0	2		8	0	14	46		9	0	14	

PM Counts (4-6)		Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	
I-5 bridge (downstream side /SB direction near Columbia St)	47	34		63	43	8	5		8	29	55	39		72	73	
East 23rd St at Ellsworth St	60	15	33		44	4	10	1		4	64	25	34		48	
McLoughlin at Ft Vancouver		63		78	58		71		101	131		135		198	204	
Mill Plain at Ft Vancouver	33	44	27	41	34	74	80	92	38	47	108	124	119	81	92	
Columbia Street at Evergreen	46	24		24	98	53	121		117	123	100	148		145	223	
Evergreen Highway at Fish Hatchery driveway/ trail end	11	1	0		4	10	6	4		21	21	7	4		25	

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	3	6
	Total Count	147	665
Trends: 2011-2012 Comparison			
		AM	PM
	Compared Locations	3	4
Bike Change (2011 - 12)	Bike Total 2011	55	206
	Bike Total 2012	54	233
	Percent Change	-1.8%	13.1%
	Bike Change	-1	27
Pedestrian Change (2011 - 12)	Pedestrian Total 2011	110	264
	Pedestrian Total 2012	86	330
	Percent Change	-21.8%	25.0%
	Pedestrian Change	-24	66
Total Users Change (2011 - 12)	Total Users 2011	166	496
	Total Users 2012	147	592
	Percent Change	-11.4%	19.4%
	Total Change	-19	96
2012 Gender distribution and helmet usage			
% with helmet	77.9%		
	Pedestrian	Bicycle	
% male	52.2%	78.2%	
% female	47.8%	21.8%	

AM Counts (7-9)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
S Howard Street and E Chestnut St	33	24				22	28				56	52			
2nd Ave at Newell St.		9		21			31		28			42		40	
Alder at Howard	26	19		29		21	17		17		47	37		48	
Tausick Way at (and including) the Mill Creek Trail		27		31	41		14		18	24		42		49	66
Intersection of Main-Palouse-Boyer		18	33	34	20		54	61	61	44		73	94	96	66
Tietan at 3rd Avenue	26		15	10	14	9		10	14	11	35		26	24	25

PM Counts (4-6)	Bike					Pedestrian					Total				
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
S Howard Street and E Chestnut St	34		13	27	27	22		22	19	98	56		35	128	125
2nd Ave at Newell St.	38				40	39				39	80				82
Alder at Howard				39					23					62	
Tausick Way at (and including) the Mill Creek Trail	54		39	50	50	36		35	99	67	109		74	150	120
Intersection of Main-Palouse-Boyer		74	67	58			142	163	149			223	232	207	
Tietan at 3rd Avenue	32		10	16	39	7		15	30	22	41		26	47	61

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	3	4
	Total Count	157	388
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations	3	3
	Bike Total 2011	75	93
	Bike Total 2012	75	116
	Percent Change	0.0%	24.7%
Pedestrian Change (2011 - 12)	Bike Change	0	23
	Pedestrian Total 2011	93	148
	Pedestrian Total 2012	79	187
	Percent Change	-15.1%	26.4%
Total Users Change (2011 - 12)	Pedestrian Change	-14	39
	Total Users 2011	169	325
	Total Users 2012	157	306
	Percent Change	-7.1%	-5.8%
	Total Change	-12	-19
2012 Gender distribution and helmet usage			
% with helmet	61.9%		
	Pedestrian	Bicycle	
% male	43.6%	68.8%	
% female	56.4%	31.2%	

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Wenatchee Ave at 1st St	13	9	14	20		47	40	62	87		60	50	76	107	NA
Valley Mall Pkwy @ 5th St	7					8					15				NA
Loop Trail @ Thurston St in Wenatchee	19					14					33				NA
Loop Trail at east end of pedestrian bridge/9th St. crosswalk	39					13					52				NA
5th Street at Princeton	15	8		16		44	31		69		61	40		87	NA
Washington St at Franklin St	22	12	9	11		48	45	28	30		72	59	39	43	NA

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Wenatchee Ave at 1st St	32	17	17			189	270	263			222	290	280		NA
Valley Mall Pkwy @ 5th St	2	5				7	12				9	20			NA
Loop Trail @ Thurston St in Wenatchee	40	11		51		19	10		22		61	25		76	NA
Loop Trail at east end of pedestrian bridge/9th St. crosswalk	83	16		91		11	11		19		95	27		114	NA
5th Street at Princeton	20	21				41	25				62	47			NA
Washington St at Franklin St	42	25	18			47	37	45			91	67	74		

AM Counts (7-9)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
East Yakima Avenue and 3rd Street	15					109					124				
North 1st St and Martin Luther King, Jr. Blvd															
South 16th Avenue and Bonnie Doone Ave															
South 40th Avenue and Tieton Drive	6	3			2	117	66			141	124	69			143
Tieton Drive between 19th Ave and 22nd Avenue	1		3			95		101			96		104		
North 1st Street in vicinity of N Street				17					147						165
40th & W Chestnut Ave				7					32						39

PM Counts (4-6)	Bike					Pedestrian					Total				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
East Yakima Avenue and 3rd Street	16					312					331				
North 1st St and Martin Luther King, Jr. Blvd															
South 16th Avenue and Bonnie Doone Ave		8	11				53	44				61	56		
South 40th Avenue and Tieton Drive	6			4		32			91		38			95	
Tieton Drive between 19th Ave and 22nd Avenue	6			6	4	46			77	76	52			85	80
North 1st Street in vicinity of N Street				26					105					132	
40th & W Chestnut Ave			10					10						20	

Snapshot of Count Cities

Total 2012 Count Locations			
		AM	PM
	Count Locations Covered	1	1
	Total Count	143	80
Trends: 2011-2012 Comparison			
		AM	PM
Bike Change (2011 - 12)	Compared Locations		1
	Bike Total 2011		6
	Bike Total 2012		4
	Percent Change		-33.3%
Pedestrian Change (2011 - 12)	Bike Change		-2
	Pedestrian Total 2011		77
	Pedestrian Total 2012		76
	Percent Change		-1.3%
Total Users Change (2011 - 12)	Pedestrian Change		-1
	Total Users 2011		85
	Total Users 2012		80
	Percent Change		-5.9%
	Total Change		-5
2012 Gender distribution and helmet usage			
% with helmet	16.7%		
	Pedestrian	Bicycle	
% male	49.3%	66.7%	
% female	50.7%	33.3%	

AM Counts (7-9)		Bike					Pedestrian					Total				
City#	Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Bainbridge Island2	SR-305 & Winslow Way				125	204				126	185				251	390
Bainbridge Island4	Wyatt & Finch					58				6						64
Federal Way3	SR 99 and S 312th (corridor with bike lanes and lots of peds)					4				98						105
Ferndale1	Main Street and 2nd	11		8			11		50			22		58		
Gig Harbor1	Cushman Trail at Kimball Drive (south of Kimball Park & Ride)					5				18						23
Lynden1	3rd and Front Street					4				24						28
Milton1	Milton Interurban Trail at Kent Street					1				14						15
Orting1	Foothills Trail at Whitehawk Blvd NW					21				29						52
Parkland1	SR 7 at 121st St S			6	6	15			47	31	29			53	37	45
Renton1	Cedar River Trail @ 154th Place SE			6	6				2					8	6	
Renton2	N 6th St & Logan Ave N					14				244						258
Spokane Valley1	Appleway and University					6				52						60
Spokane Valley2	Sprague and Bowdish					1				21						24
Spokane Valley3	Valleyway and University					5				15						21
Spokane Valley4	Sprague and Evergreen					3				21						25

PM Counts (4-6)		Bike					Pedestrian					Total				
City#	Location	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Bainbridge Island1	SR-305 & Day Rd			37		26			1		1			38		27
Bainbridge Island2	SR-305 & Winslow Way			111					248					359		
Bainbridge Island3	Fletcher & New Brooklyn			29					14					43		
Bainbridge Island4	Wyatt & Finch			43					5					48		
Bainbridge Island5	Madison & High School			48	89				50	238				99	330	
Federal Way1	11th Place S and S 324th St (N end of BPA trail)					18					135					157
Federal Way2	Weyerhauser Way S and South 336th					15					6					21
Federal Way3	SR 99 and S 312th					16					168					184
Federal Way5	21st Ave SW and SW 336th Street					29					154					188
Federal Way6	SW 356th Street and BPA Trail					12					90					112
Ferndale2	Main street Bridge	20					84					105				
Gig Harbor1	Cushman Trail at Kimball Drive (south of Kimball Park & Ride)					32					37					69
Lynden1	3rd and Front Street					28					64					95
Orting1	Foothills Trail at Whitehawk Blvd NW					34					33					73
Parkland1	SR 7 at 121st St S			17	14				86	96				103	111	
Renton1	Cedar River Trail @ 154th Place SE			56		47			25		23			87		73
Spokane Valley1	Appleway and University					15					51					68
Spokane Valley2	Sprague and Bowdish					25					24					55
Spokane Valley3	Valleyway and University					23					17					42
Spokane Valley4	Sprague and Evergreen					11					25					36
University Place2	Grandview Dr W at Olympic Blvd W					14					40					54

Documentation Project Instructions

Introduction

This document provides background information regarding the Washington State Bicycle and Pedestrian Documentation Project.

1. Count Dates and Times

Dates

Late September is the accepted annual national bicycle and pedestrian count period. This year, the 2012 Washington State Bicycle and Pedestrian Documentation Project dates will be in late September (September 25, 26 and 27) to coincide with universities being back in session. To reduce the chance that data is skewed by weather, sports events, or other outside factors, local participants may select a single date from the three days provided: September 25-27.

Rationale for Dates

The WSDOT Count Period in late September was selected because it represents a peak period for walking and bicycling, both work and school-related. Weather conditions are generally conducive, schools are back in session, and people have returned from vacations and are back at work.

Times

Recommended time periods are identified below. The recommended time periods represent the likely busiest periods for bicycling. If peak periods vary significantly in a locality, adjusted peak periods can be chosen.

RECOMMENDED TIMES:

- Weekday, 7-9 AM
- Weekday, 4-6 PM

Rationale for Time Periods

Weekday PM peak periods were chosen since the afternoon peak typically has the largest volume of travelers, with commuters, school children and people running errands. Weekday AM peak periods were chosen since the work commute period coincides with the school commute period. Counts conducted during these periods

will provide an excellent snapshot of bicycling and walking during the peak periods of the year. Actual local peak periods may vary considerably.

Weather

Weather may be a determinant in selecting one of the three proposed dates to conduct counts but a participant should not be worried if the weather is poor or unusual during the count period. Weather conditions will be recorded for each count in the Background Data Sheet and be considered as a factor in future analysis. Over time, future counts and surveys will average out and overall trends in activity will become apparent.

2. Counts

Count Variables

The proposed counts are intended to identify the numbers of bicyclists and pedestrians passing a specific point:

- on a sidewalk (both sides of street)
- path (both directions of travel)
- on-street bikeway (both directions of travel).

A person who passes by a point more than once is counted each time they pass by the point.

Count Method

The Washington Count Period will be conducted manually, by volunteer counters.

To ensure that data received from different participants is comparable and consistent; participants should agree to follow the instructions and guidelines identified below.

STEP 1: OBTAIN MATERIALS

Count forms and the Background Data Sheet are available from Cascade Bicycle Club, tessa.greeger@cascadebicycleclub.org or from WSDOT's website: <http://www.wsdot.wa.gov/bike/Count.htm>

Materials can be reproduced freely. The documents provided are:

- Count Coordinator Instructions (This document)

Volunteer Instructions and Count Form
Background Data Sheet and Instructions

STEP 2: SELECT GENERAL COUNT LOCATIONS

To identify count locations in each participating jurisdictions, WSDOT and Cascade Bicycle Club work with local representatives from each jurisdiction to identify meaningful locations. The following considerations and suggested criteria are provided to local jurisdictions to help in the selection of general count locations:

- bicycle and pedestrian activity areas or corridors (downtown, near school campuses, parks, large workplaces, etc.)
- representative locations in urban, suburban, and rural locations
- key corridors that can be used to gauge the impacts of future improvements
- locations where counts have been conducted historically
- locations where bicycle and pedestrian collision numbers are high
- locations where there are on-going counts being conducted by other agencies through a variety of means, including video taping
- gaps and pinch points for bicyclists and pedestrians (potential improvement areas)

STEP 3: SELECT SPECIFIC COUNT LOCATIONS

Once general locations have been selected, the Local Count Coordinator should inspect the sites to determine exactly where counters can be positioned.

Guidelines for this inspection trip include:

- For multi-use paths and parks, locations near the major access points are best.
- For on-street bikeways, count both sides of the street. Locations where there are few if any alternative parallel routes are best.
- For traditional downtown areas, a mid-block location near the center of the downtown is best. Count bicycles and pedestrians in one direction of travel only.
- For large-scale employee campuses, either on the main access roadway or near off-street multi-use paths is best. Count everyone in both directions at one access point.
- For residential areas, locations near higher density developments or near parks

and schools are the best. Count everyone in both directions at one access point, typically a sidewalk and street.

For all locations:

Counters will need to be in a safe, visible location and should be on public property in a location that does not block pedestrians or bicyclists.

You must receive written permission from property owners if you will be on private property.

If at all possible locate the counters in an area that will be comfortable for them (shade on hot days, shelter from wind/rain/etc during inclement weather)

Rationale for Locations

The recommended locations are based on finding places where bicyclists and pedestrians can be expected to be counted, either now or after improvements have been made. The purpose of the counts is to understand peak bicycle and pedestrian activity on a typical day; while it may be useful to conduct a few counts where bicyclists and pedestrians are not expected, it is preferable to understand existing use. We do not recommend counting bicycle movements through intersections because (a) it can become extremely complicated for one counter and (2) turning movement data is of little value for this database.

STEP 4: COMPLETE THE BACKGROUND SHEET

This sheet will provide valuable information on the setting and conditions in which the counts take place. Researchers will be able to cross-tabulate things such as usage with land use, density, weather, income, and facility type.

Use the 'Background Data Sheet', available from Cascade Bicycle Club (tessa.gregor@cascadebicycleclub.org) to record characteristics of the count locations.

STEP 5: OBTAIN COUNTERS

Each location should require one counter. Ideally, two counters will be provided per location, especially at busy intersections. You will want to identify and secure a counter for each location plus one backup counter for every 5 locations. Counters for this study will be comprised of a body of volunteers.

STEP 6: TRAIN COUNTERS

Counters will need to be trained how to complete forms and interpret field conditions.

Trainings can be conducted directly prior to count times in the field, or at a separate prior training time, and re-briefed in the field.

Counters need to be instructed how to respond to questions from the public on their activities. They should also be instructed on how to fill out the count form, how to count bicyclists and pedestrians (specifically, every time a bicyclist or pedestrian passes by) and what not to count (e.g. foot or bicycle traffic on side streets adjacent to count, etc).

The Day of the Count

STEP 7: COUNTER EQUIPMENT

Counters should be provided with data sheet(s) and written instructions. Volunteers will be instructed to provide their own water, writing utensils, writing surface, and to dress appropriately for weather.

STEP 8: COUNT FORMS

Distribute count forms to counters. Count forms can be reproduced from the documents provided to you by Cascade Bicycle Club (organizer@cascadebicycleclub.org).

STEP 9: TRANSPORTING AND MANAGING COUNTERS

Counters will need to arrive at the count locations at least 15 minutes ahead of schedule. The Local Count Coordinator should visit each count location to ensure that counters are on schedule. If the count locations are numerous or dispersed, designated supervisors may be needed to visit locations.

STEP 10: QUALITY CONTROL

The Count Coordinator and any location supervisors should conduct a random review of counters during the count period to ensure they are on-duty and tabulating information correctly. Count results that vary significantly from one time period to the next or that are unusually consistent may need to be explained sufficiently to the Count Coordinator's satisfaction, or discarded.

STEP 11: COLLECTING FORMS

All forms should be collected by the Count Coordinator at the conclusion of the count period. The Count Coordinator should double-check to ensure that the count forms have been completed accurately.

STEP 12: SUBMITTING DATA

Completed count forms should be returned by volunteers to Cascade Bicycle Club: 7400 Sand Point Way, Suite 101s, Seattle, WA 98115 ATTN: TESSA GREGOR, or emailed to tessa.gregor@cascadebicycleclub.org. Participants should keep copies of their forms.

Background Data Sheets (for local count coordinators)

To be completed by the Count Coordinator in each municipality. Please complete the chart on page 3 for each count location, using the categories on page 1 and 2. Data will be used in future research efforts to determine correlations between count data and local characteristics at count locations. Please complete to the best of your ability.

Type of facility:

- 1 = paved multi use path at least 8 feet wide
- 2 = unpaved trail
- 3 = bike lane with standard signing and striping
- 4 = signed bike route
- 5 = street or road with marked shoulders (min. 2 feet wide)
- 6 = street or road with no shoulders or less than 2 feet wide
- 7 = sidewalk (at least 4 feet wide)
- 8 = unimproved (dirt, gravel) shoulder

Type of setting:

- 1 = urban
- 2 = suburban
- 3 = rural

Scenic Quality:

- 1 = high scenic qualities (views, shaded, quiet, historical)
- 2 = neutral or better scenic qualities
- 3 = poor scenic qualities

Surrounding land uses (within 1 to 2 miles):

- 1 = residential
- 2 = rural/agricultural/open space
- 3 = retail
- 4 = office
- 5 = manufacturing/warehouse

Schools, parks, visitor destinations adjacent or close to the facility:

- 1 = none
- 2 = 1-2
- 3 = 3-5
- 4 = 6 and over

Quality of connecting facilities (paths, bike lanes, routes):

- 1 = no connections, poor access
- 2 = limited connections (one end only)
- 3 = good system connections (both ends)
- 4 = excellent system connections (both ends and intermediate)

Length of Facility:

- 1 = less than 1 mile
- 2 = 1-2 miles
- 3 = 2-5 miles
- 4 = 5-10 miles
- 5 = over 10 miles

6 = part of sidewalk network

Access:

1 = poor direct access from adjacent neighborhoods

2 = adequate access

3 = excellent access, including trailheads

4 = part of sidewalk system

Quality of overall network:

1 = poor community system of bikeways or walkways

2 = adequate community system (intermittent)

3 = good community system (continuous, good condition)

Traffic volumes (ADT) of adjacent road:

1 = under 2,500 ADT

2 = 2,500 – 7,500 ADT

3 = 7,500 – 15,000 ADT

4 = over 15,000 ADT

Traffic speeds (posted) of adjacent roads:

1 = 25mph

2 = 26-35 mph

3 = 36-45 mph

4 = 46-55mph

5 = 56mph or over

Crossings and Intersections (average number per linear feet):

1 = every 400 feet or less

2 = every 400-1,000 feet

3 = every 1,000-5,000 feet

4 = 5,000-10,000 feet

5 = none

Crossing and Intersection Traffic:

1 = all minor streets (less than 2,500 ADTs)

2 = minor to moderate traffic (2,501 – 7,500 ADTs)

3 = minor to high traffic (7,501 – 15,000 ADTs)

4 = minor to very high traffic (over 15,001 ADTs)

Crossing and Intersection Protection:

1 = inadequate (no crosswalks, stop signs, or signals)

2 = minimal: crosswalks only

3 = adequate: crosswalks, stop signs, and signals as needed

Condition:

1 = poor condition (rough surface, vandalism, debris, etc.)

2 = good condition (smooth surface, good maintenance)

Topography:

1 = level

2 = moderate grades

3 = steep topography

Background Data Sheet									
please fill in blanks and circle numbers.									
Count Location:									
City:									
Type of Facility:	1	2	3	4	5	6	7	8	
Type of Setting:	1	2	3						
Scenic Quality:	1	2	3						
Surrounding land uses (within 1 to 2 miles):	1	2	3	4	5				
Schools, parks, visitor destinations adjacent or close to facility:	1	2	3	4					
Quality of connecting facilities (paths, bike lanes, routes):	1	2	3	4					
Length of facility:	1	2	3	4	5	6			
Access:	1	2	3	4					
Quality of overall network:	1	2	3						
Traffic volumes (ADT) of adjacent road:	1	2	3	4					
Traffic speeds (posted) of adjacent roads:	1	2	3	4	5				
Crossings and intersections (average number per linear feet):	1	2	3	4	5				
Crossing and intersection traffic:	1	2	3	4					
Crossing and intersection protection:	1	2	3						
Condition:	1	2							
Topography:	1	2	3						

Bicycle and Pedestrian Count Volunteer Instructions

Dates:

Volunteers can choose to conduct the count on Tuesday, Wednesday, or Thursday, September 25, 26 and 27.

Time(s):

7:00-9:00am or 4:00-6:00pm

Volunteer Coordinators:

Mary Collins, Cascade Bicycle Club: 206-861-9890

Tessa Greeger, Cascade Bicycle Club: 206- 204-0913

Enclosed in this packet:

- 1) a bicycle and pedestrian count form + count instructions

Other Items Needed:

Please make sure to bring:

- 1) a pen / pencil
- 2) something to write on (clipboard, portfolio, etc.)
- 3) a timekeeping device (cell phone, watch)
- 4) weather-appropriate clothing, water

Introduction:

This is an annual bicycle and pedestrian count taken at locations throughout Washington State in nearly 40 jurisdictions. Data collected from these counts will be used to monitor success in increasing bicycle and pedestrian travel as identified in the Washington State Bicycle Facilities and Pedestrian Walkways Plan while also providing critical data to support improvements to bicycle and pedestrian facilities.

Conducting the Count:

Each location will have at least one counter. Depending on the number of volunteers, some locations may have more than one counter. In these cases, please use only one count form per location. Since the locations with multiple

counters are expected to be busier, it will work best if one person counts and the other person fills out the forms.

You have been provided with one copy of the count form. Please make sure to indicate the correct time period (either 7-9 am or 4-6 pm). Also, please make sure to write your name and count location on each form.

The count itself is very simple: place a hatch mark on the form for each passing cyclist, pedestrian, or other non-motorized transit. People in wheelchairs are to be counted as pedestrians, as should children in strollers. People walking their bicycles count as bicyclists. People on rollerblades, skateboards, scooters, and other non-motorized transport devices are to be counted as "Other." A person who passes by a point more than once is counted each time they pass by the point.

Whom do you count?

Only count those cyclists or pedestrians passing through your post (intersection)! This includes anyone who is walking their bicycle past your post. Do not count passersby on nearby streets unless specifically instructed to do so, as this could result in double-counting.

Other Information: The accuracy of the count depends largely on the coverage of all points during the entire morning and evening commute. Please make sure to get to your location 15 minutes or more ahead of count time!

Returning the Count Forms:

Data can be submitted online via WSDOT's website: <http://www.wsdot.wa.gov/bike/Count.htm>.

In addition, please submit hardcopy count forms to:

Cascade Bicycle Club
7400 Sand Point Way
Suite 101S
Seattle, WA 98115
ATTN: Tessa Greeger.

You can also e-mail or fax the forms to:

Email: tessa.greegor@cascadebicycleclub.org

Fax: 206-522-2407

If you are unable to make your assigned shift:

Please remember that you can choose to volunteer on Tuesday, Wednesday or Thursday (September 25-27). If you are unable to make your assigned shift on Tuesday, September 25, please try to conduct the count on either Wednesday or Thursday (any one of these three days will work).

If you have any problems or know that you won't be able to make it, please call Mary Collins at: 206-861-9890

Thanks to everyone involved in this important data collection effort. This would not be possible without your help!

2012 WASHINGTON STATE BICYCLE AND PEDESTRIAN DOCUMENTATION PROJECT

Pedestrian and Bicyclist Count Form (page 1 of 2 – please return both pages)

Name : _____ City: _____ Date _____

Location: _____ Time slot: _____

Weather: _____

Directions: Please place a hatch mark on the form for each passing cyclist, pedestrian, or other non-motorized transit. People in wheelchairs are to be counted as pedestrians. People walking their bicycles count as bicyclists. People on rollerblades, skateboards, scooters, and other non-motorized transport devices are to be counted as "Other".

Have your bearings and ensure that the hatch mark is placed in the direction of travel. If you are located at an intersection, the direction of travel when leaving the intersection should be recorded. For example, a cyclist starting northbound and then turning right at your location should be noted as traveling eastbound.

Gender and Helmet Use: Depending on the volume of travelers at your location, you may be able to collect additional information, such as gender and helmet usage. If you are able to collect this information, please do so in the appropriate box on the following page. Some intersections may be too busy to capture this information – if this is the case, please focus on the direction and mode of travel.

For "day of count" questions, please call Mary Collins at 206-861-9890 or Max Hepp-Buchanan at 206-226-1040

		NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND	TOTAL
Bicyclist	<i>Gender</i>					
	<i>Male</i>					
	<i>Female</i>					
	<i>Male</i>					
Pedestrian	<i>Female</i>					
	<i>Male</i>					
Other (rollerblade, etc.)						
No Helmet (please provide a hatch for each cyclist NOT wearing a helmet)						

Please check this box if you entered this data into WSDOT's data entry website here:
<http://www.wsdot.wa.gov/bike/Count.htm>

Washington State Bicycle and Pedestrian Documentation Project 2012

Contact information

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State Bicycle and Pedestrian Coordinator
Washington State Department of Transportation
Macekl@wsdot.wa.gov

Tessa Greegor
Principal Planner
Cascade Bicycle Club
tessa.greegor@cascadebicycleclub.org

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Creating a better community through bicycling



**Washington State
Department of Transportation**

