

Reed Creek Greenway Pedestrian Count

Time Period: Wednesday October 5, 2023 – Tuesday October 11, 2023 (Part 1)

Location: Near the intersection of Catawba St. and Broadway St., on the Reed Creek Greenway.



(Image: Google Maps)

Equipment: EcoCounter Pyro Counter, Set out on October 5, and retrieved October 12, 2023

The Pyro Counter is able to count bicyclists, pedestrians, skateboarders, rollerbladers, or anyone who passes within approximately 16.5 feet of the equipment. However, the device is unable to differentiate between the different users and simply counts them as general users.

Possible sources of error include facility-users walking side-by-side or very close to each other; this is likely to include people walking or running side-by-side, children being held by a parent or walking along side of them, or dense groups of users. It is unclear how many users are likely to have been missed due to these circumstances and there has been no effort to make up for this likely discrepancy.

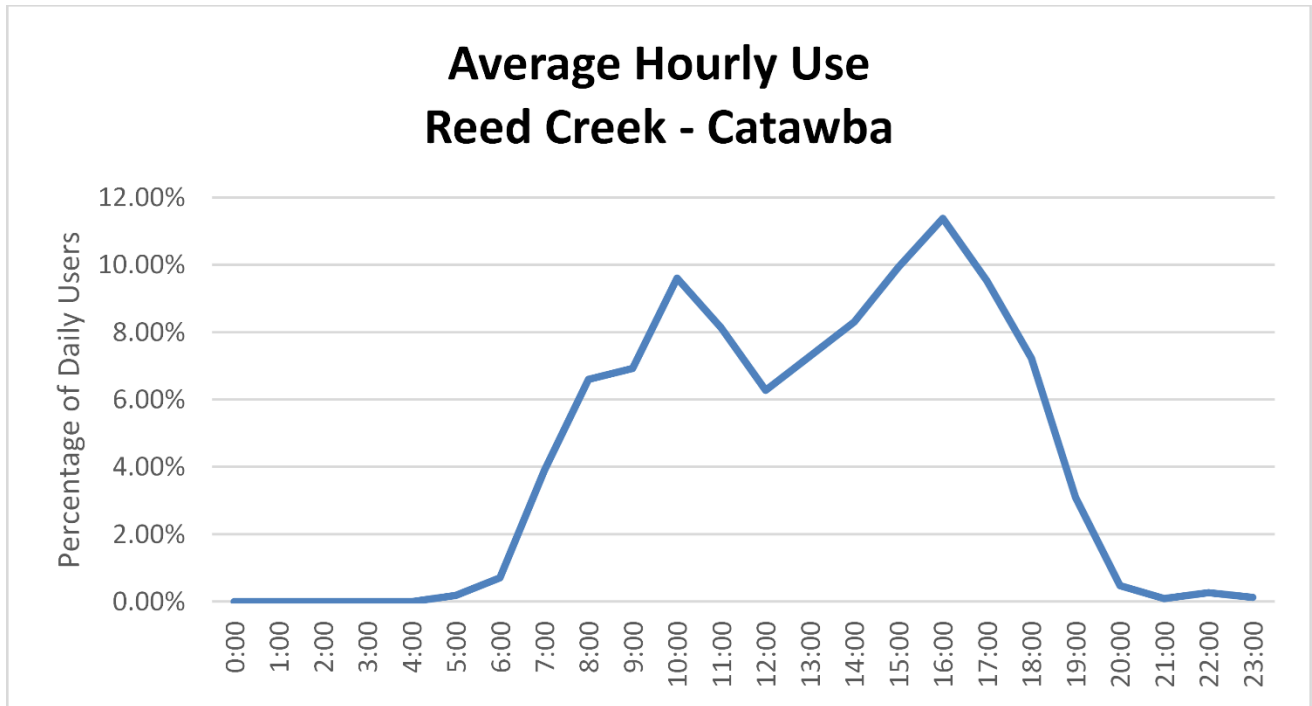
Results

Reed Creek - Catawba

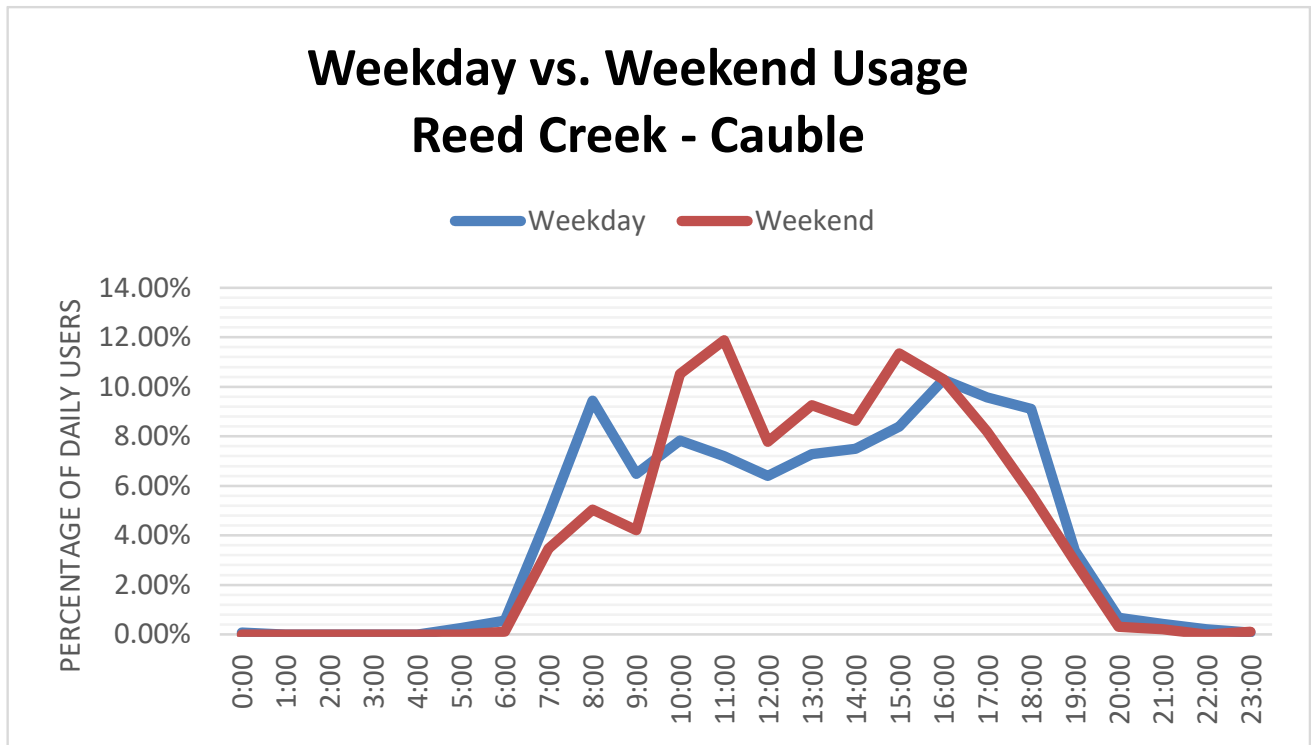
Total Users	3393
Users/Hour	20.2
Peak 24-Hour Usage	563
Peak Day	Saturday Oct. 7, 2023
Peak 2-Hour Usage Period	138
Peak 2-Hour Date and Time	Tuesday Oct. 10, 2023 - 4 Pm - 6 PM

Patterns of Use

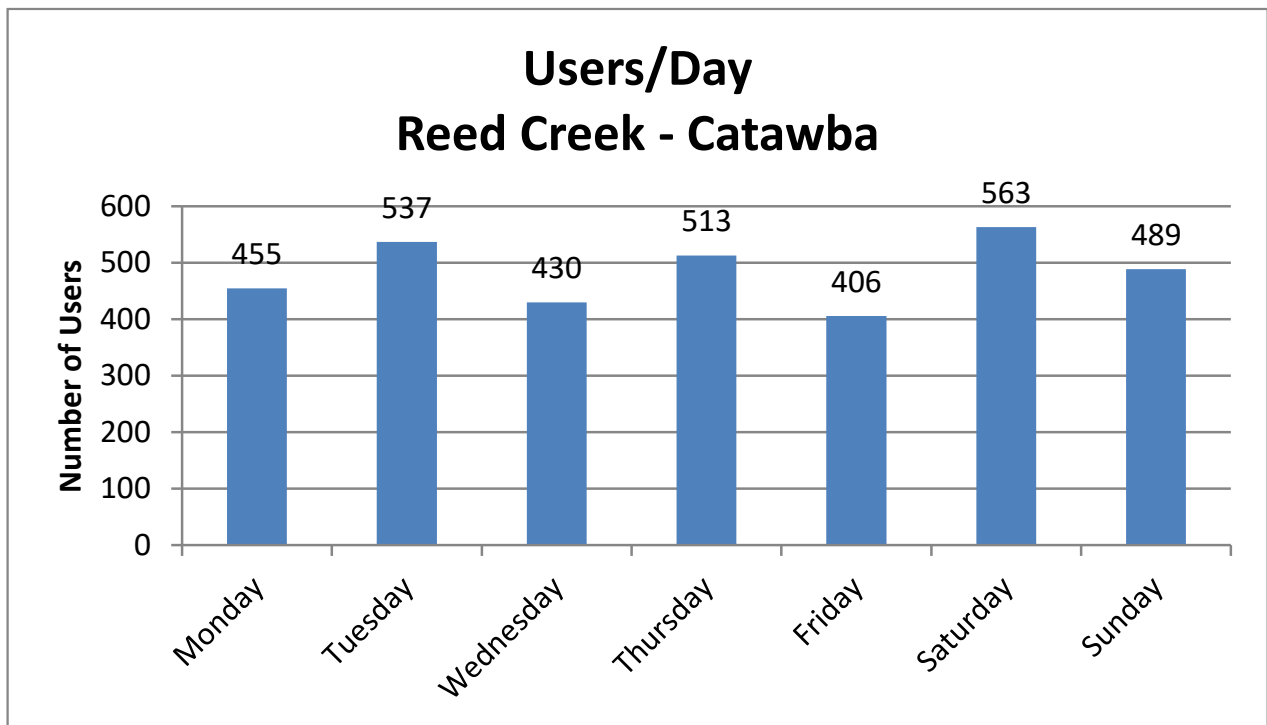
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation



The second chart illustrates the different pattern of usage between the weekday and weekend.



The third chart shows users/day.



Notes

There have been two sites along Reed Creek that have previously been surveyed: Reed Creek at Catawba and Reed Creek at Cauble. This location at Catawba has been surveyed the week of July 16th of 2021 and July 19th of 2022. The Cauble location was last surveyed on September 15, 2014.

Even though it was windy and rainy on Saturday, it was the busiest day for usage. It is interesting to note that there were 137 users between 5 PM and 7 Pm on Tuesday, while there were 138 users between 4 PM and 6 M. There were another 136 users between 10 AM and Noon on Sunday Morning.

The July 2021 data was higher for total users, users per hour, Peak 24 hour, and peak 2 hour period. The July 202 data was lower than the July 2021 data and lower than the October 2023 data. Saturday was the peak day of use all three sample periods. During 2021 and 2022 the peak time was 9 AM -11 AM, this year it was 4 PM- 6 PM.

Date Time	Minimum Temperature	Maximum Temperature	Average Temperature	Precipitation	Wind
Thursday, October 5, 2023	55	73	67.6	0	1.8
Friday, October 6, 2023	58	78	60.3	0	6.5
Saturday, October 7, 2023	47	62	64.7	0.21	12.1
Sunday, October 8, 2023	40	60	66.3	0	6.5
Monday, October 9, 2023	35	63	60.2	0	4.8
Tuesday, October 10, 2023	45	74	65.2	0	3.5
Wednesday, October 11, 2023	46	65	56	0	1.6

<https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL>