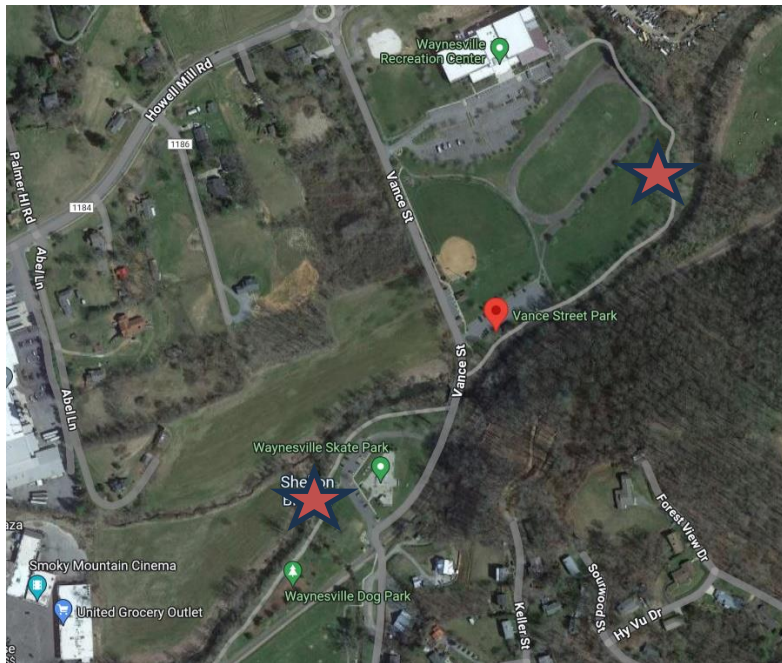


Waynesville – Vance Street Park Pedestrian Count

Time Period: Tuesday April 16, 2024, to Monday April 22, 2024.

Location: Vance Street Park, between the Skate Park and the Dog Park. The second location was near the newly dedicated Richland Creek Bridge.



(Image: Google Maps)

Equipment: EcoCounter Pyro Counter. Placed 4/15/2024 and retrieved 4/23/2024. RPO 1 Counter was mounted at the eastern end of the trail near Station #10 of the Story Walk, near the newly dedicated bridge on the Richland Creek Greenway. RPO 2 Counter was mounted on a telephone pole between the dog park and the skate park.

The Pyro Counter can 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 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 the number of users who were likely to have been missed due to these circumstances and there has been no effort to make up for this discrepancy.

As with all these surveys, this is just a snapshot of time for activity in the study area. There can be differences in activity due to the time of year the survey is conducted. Weather can have an impact on the results of the survey. Efforts will be made to repeat the survey during different seasons and during the same time of the year during future years.

Results

This study was done after the dedication of the Richland Creek Greenway bridge. It was done to provide a baseline for when the new section of the park is opened. It was also performed to compare the activity in the two parts of the existing trails. This part of the report will look at the two locations during the same period. Another report was issued comparing activity close to the dog park on Vance Road from May of 2022 with April of this year.

Vance Street Park

Total Users	3,178
Users/Hour	18.9
Peak 24-Hour Usage	545
Peak Day	Saturday April 20, 2024
Peak 2-Hour Usage Period	170
Peak 2-Hour Date and Time	Monday April 22, 2024 -- 4:00 PM - 6:00 PM

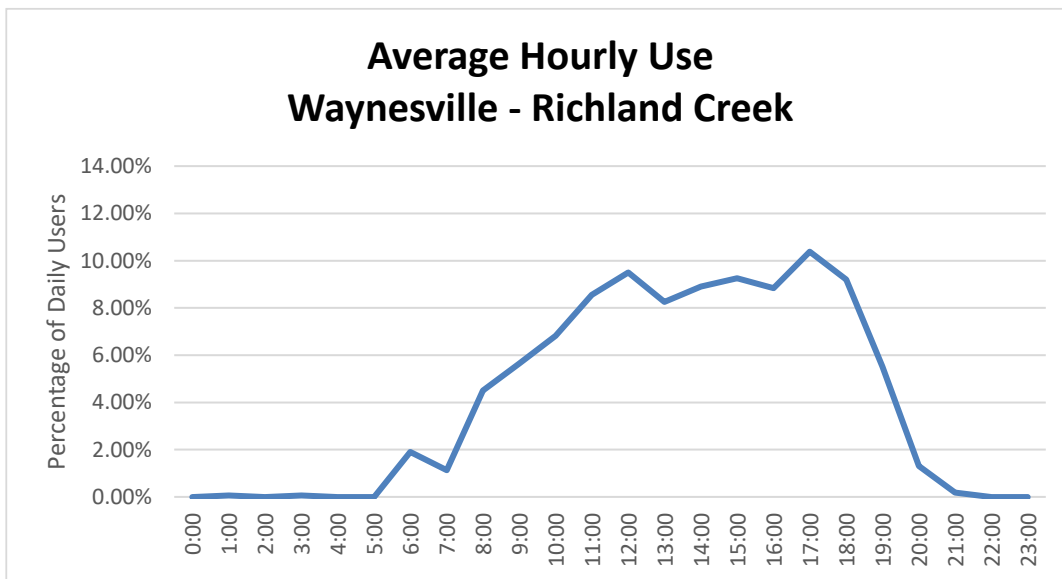
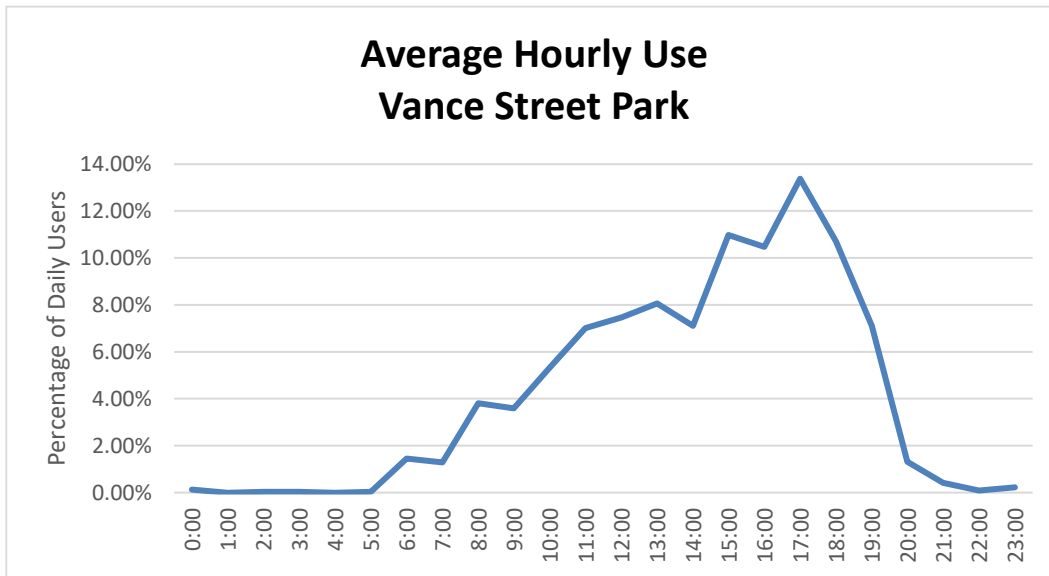
Waynesville - Richland Creek

Total Users	1,685
Users/Hour	10.0
Peak 24-Hour Usage	351
Peak Day	Tuesday April 16, 2024
Peak 2-Hour Usage Period	83
Peak 2-Hour Date and Time	Monday April 22, 2024 - 5:00 PM - 7:00 PM

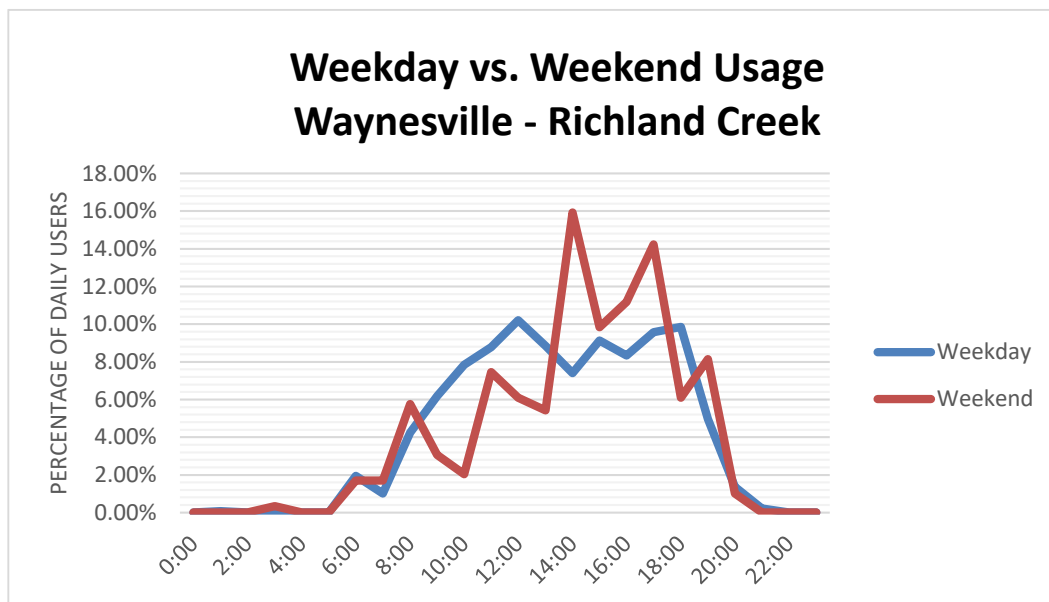
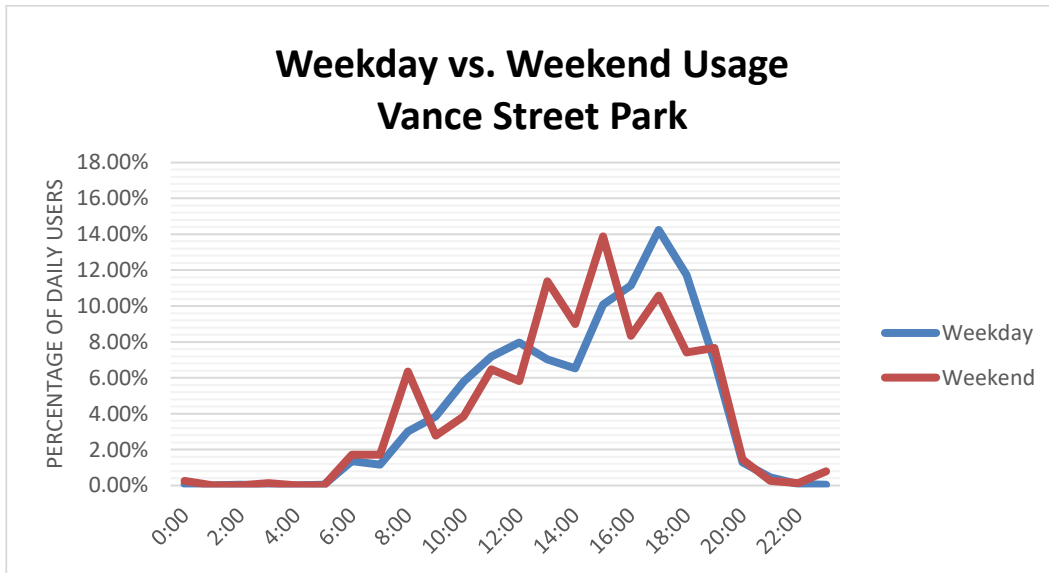
Activity was higher, in general, at the Vance Street Park (Waynesville Recreation Park) than it was at the Richland Creek Trail (Vance Street Park.) The difference in the activity could be the placement of the counter near Richland Creek Bridge is in the shade. Two women who were walking their dogs explained that they preferred to walk around the loop and not along the creek because it was cooler in the shadow of the trees along the creek. It may be interesting to compare different segments in the sun versus along the creek. Sunrise was around 6 AM and close to 8 PM during this study. Activity was between 8 AM and 8 PM

Patterns of Use

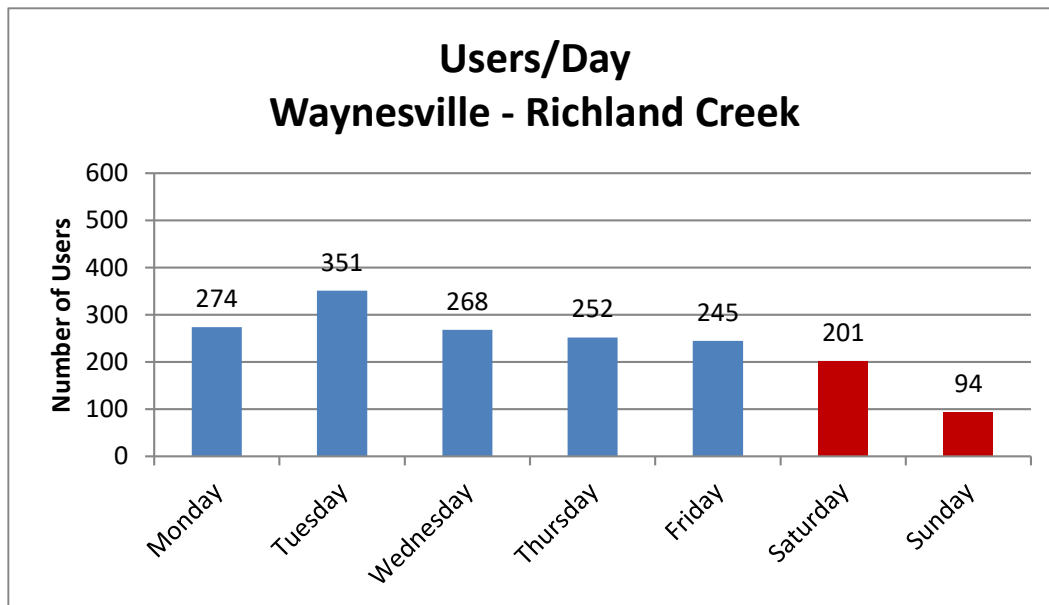
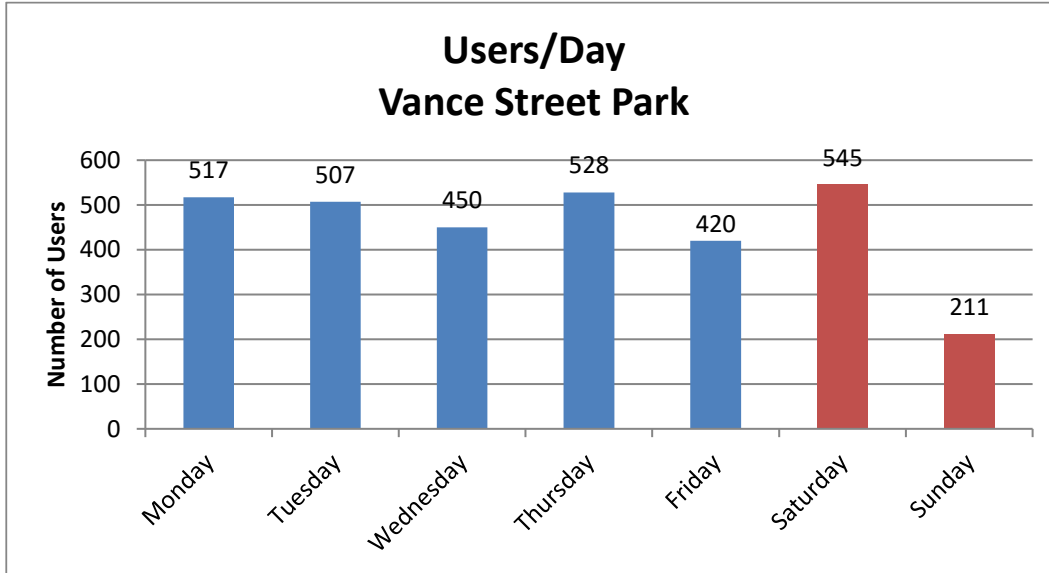
The following chart illustrates the average use of the trail at the location.



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



The third chart shows users/day. The data during 2024 was higher each day at the Vance Street Park when compared to the Richland Creek Bridge.



Date	Minimum Temperature (°F)	Maximum Temperature (°F)	Average Temperature (°F)	Precipitation (inches)	Ave. Wind Speed (mph)
4/16/2024	53	82	65.6	0.02	3.1
4/17/2024	59	75	67.1	0	7.7
4/18/2024	51	84	68.8	0	5.3
4/19/2024	57	80	66.6	0	4.1
4/20/2024	57	68	63	0.2	10.5
4/21/2024	45	56	48.6	0.25	8.9
4/22/2024	40	62	49.9	0.21	8.2

<https://www.wunderground.com/history/monthly/us/nc/waynesville/KNCWAYNE109>

Notes:



Figure 2: Vance Street Park

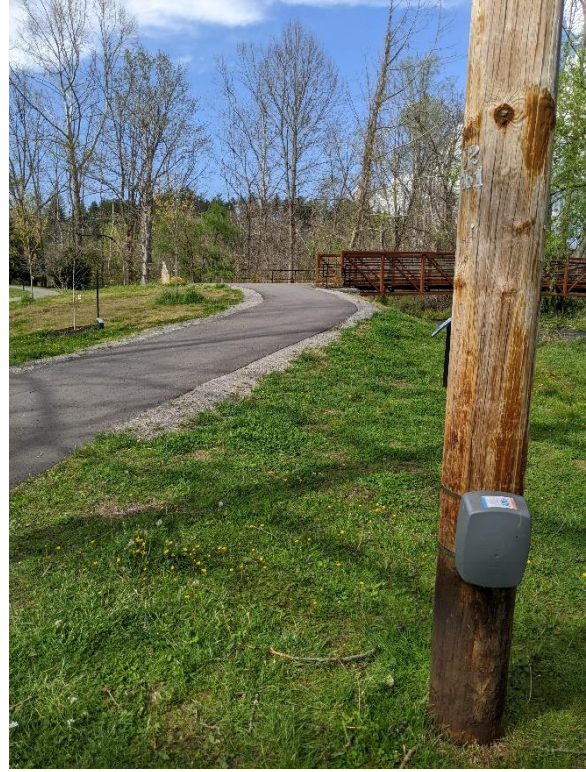


Figure 12: Richland Creek Bridge

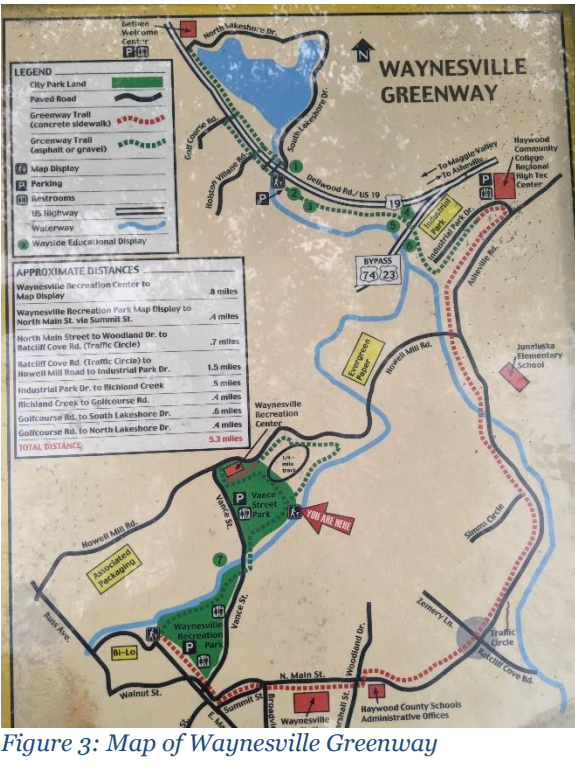


Figure 3: Map of Waynesville Greenway