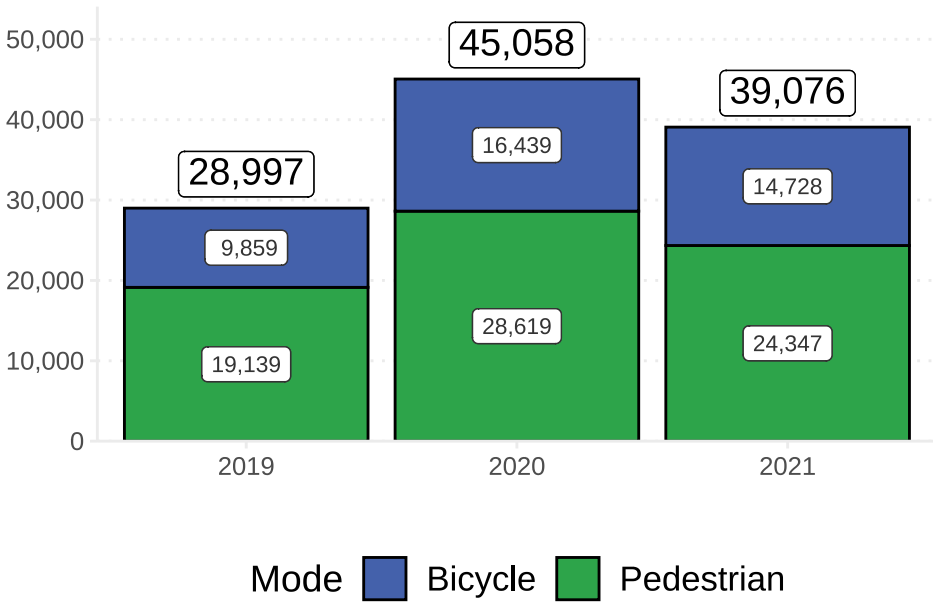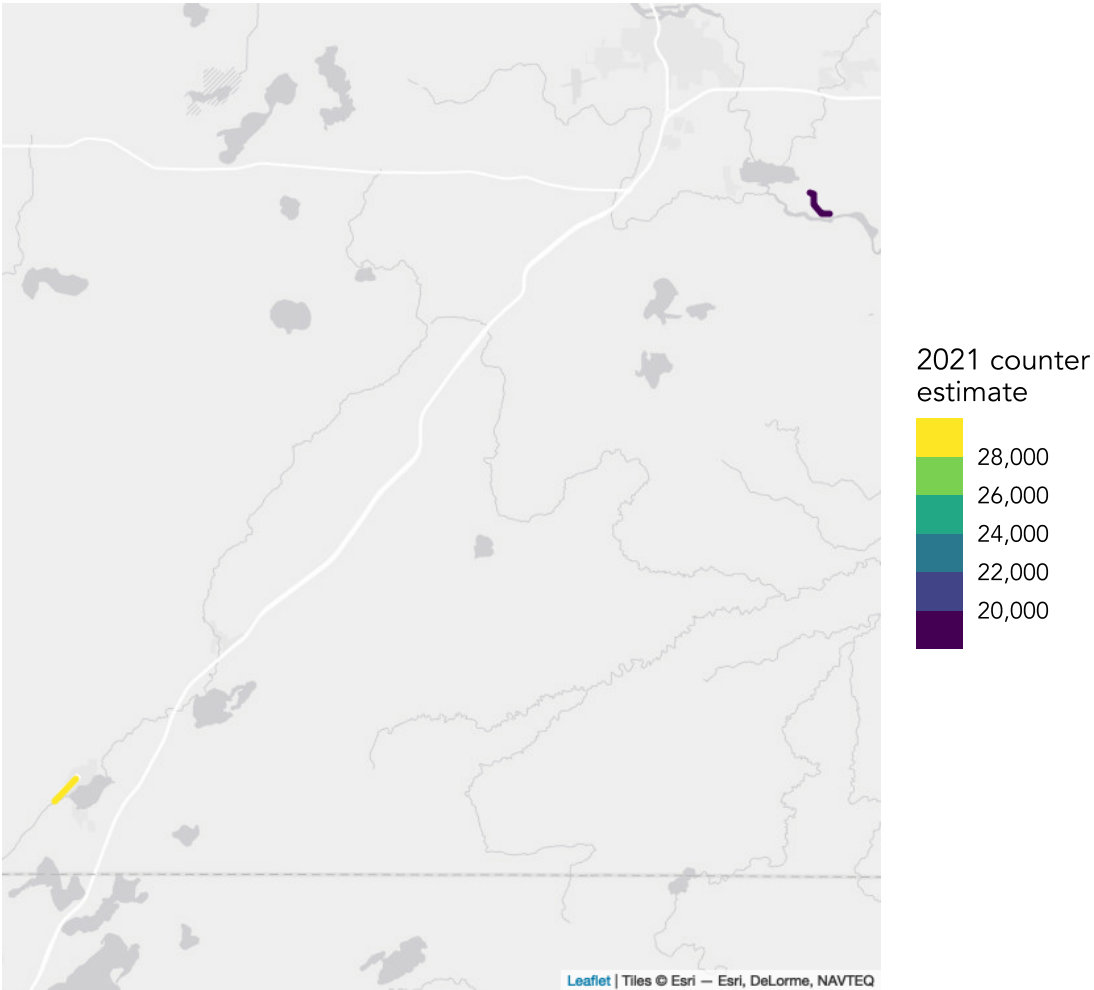# Willard Munger State Trail

This factsheet summarizes trail-level data for Willard Munger State Trail. Use estimates were derived using location-based services (LBS) data and represent the number miles traveled on trails by bicyclists and pedestrians.

This research project was funded with Legacy Partnership Research Funds from the State of Minnesota Parks and Trails Legacy Fund. LBS data was obtained from StreetLight Data, Inc. and was accessed in May 2023.
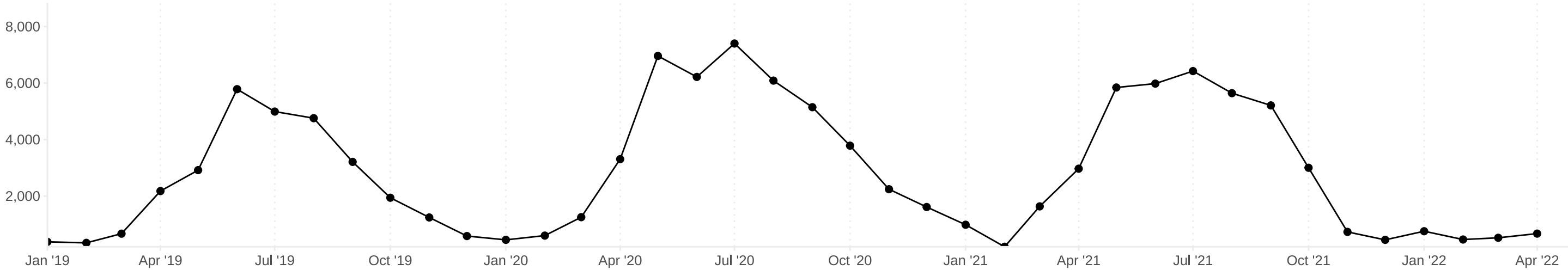
Total annual miles of use

2021 counter estimate

Year	Total miles traveled	Bicycle miles traveled	Pedestrian miles traveled	Total counter estimate	Bicycle counter estimate	Pedestrian counter estimate
2019	28,997	9,859	19,139	22,115	8,153	15,271
2020	45,058	16,439	28,619	32,038	11,671	21,946
2021	39,076	14,728	24,347	29,857	11,481	18,857

Mode ■ Bicycle ■ Pedestrian

Willard Munger is part of the DNR State Trail system (2D). Park boundaries were accessed via the Minnesota Geospatial Commons in July 2023 and may have been edited to improve LBS data performance.
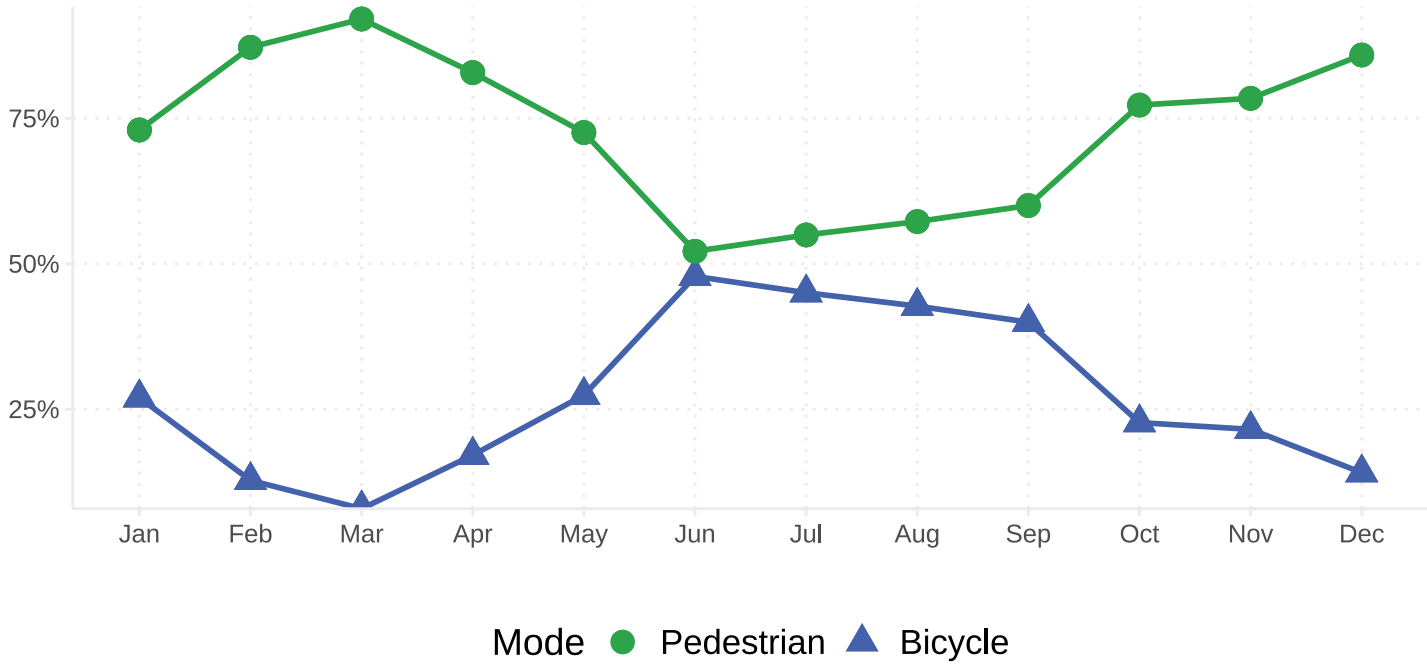
Monthly use

Each point in this time series indicates estimated monthly miles traveled on Willard Munger.
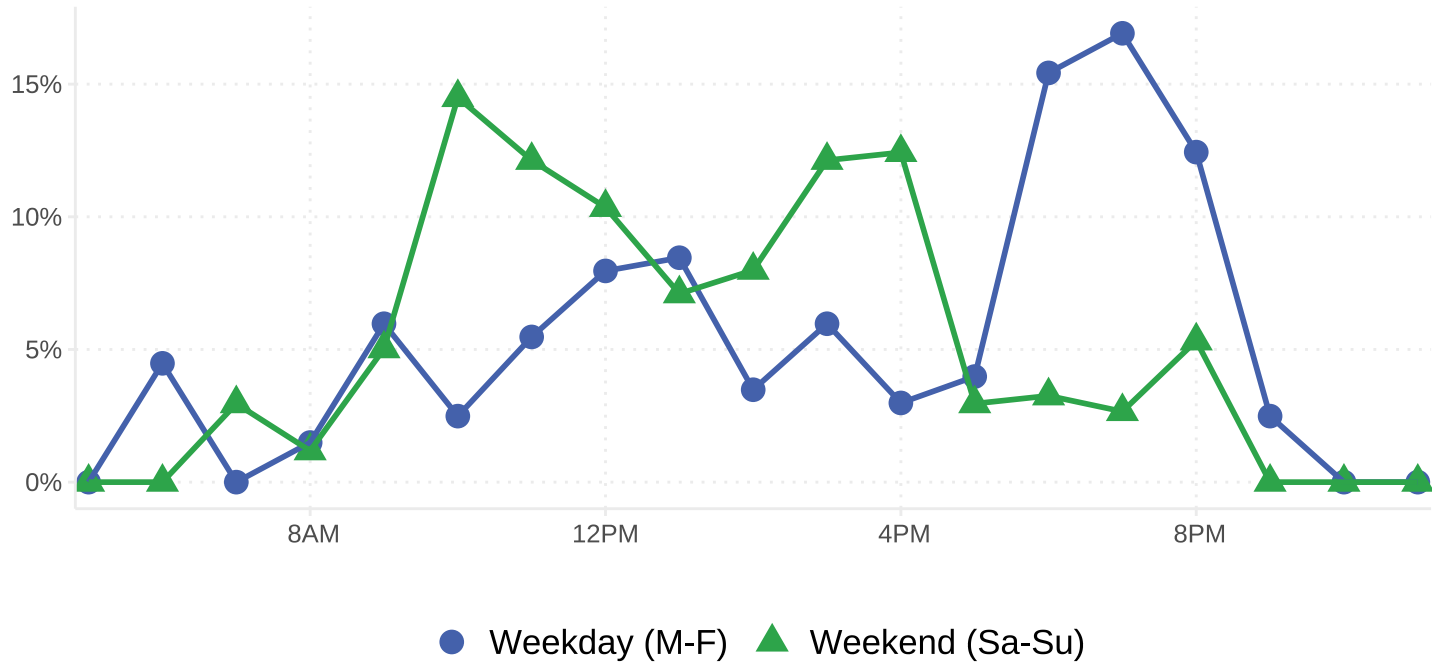

Mode share

Mode share shows the percent of trail use occurring by bicyclists and pedestrians. Points show the monthly averages across the study period.
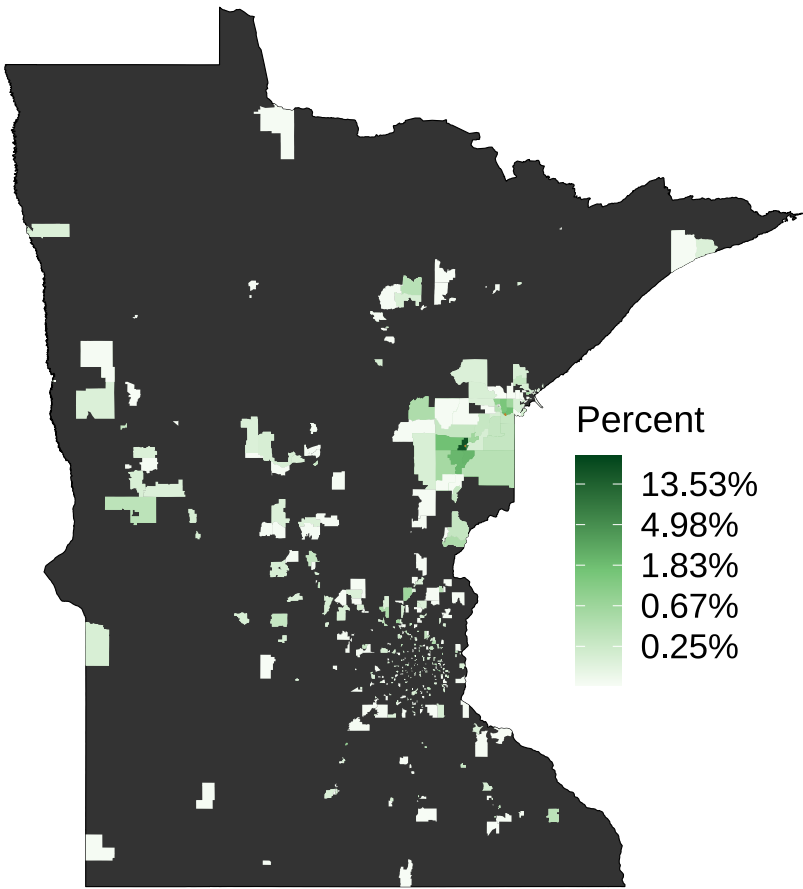

Mode ● Pedestrian ▲ Bicycle

Hourly use

Hourly use during summer 2021 shows patterns of when visitors use trails on weekdays and weekends.

● Weekday (M-F) ▲ Weekend (Sa-Su)

Visitor home locations

Inferred visitor home locations are reported at the block group level. Darker colors indicate more visitors from a given block group. During 2021, approximately 92% of visitors to Willard Munger lived inside of Minnesota while 8% of visitors lived outside of Minnesota.

Percent
13.53%
4.98%
1.83%
0.67%
0.25%

Visitor Demographics

Visitor demographics are inferred based on home locations and data from the 2020 US Census. The table summarizes inferred demographic attributes of visitors to Willard Munger during 2021 (LBS data). 2020 US Census data for the state is provided for context. Please note that local and/or historical context is crucial when interpreting trail-level demographic data.

Category	Census Group	Trail Estimate (entire 2021)	State Average
Race/ethnicity	American Indian	1.0%	1.0%
	Asian	1.5%	5.2%
	Black	2.6%	6.9%
	Hispanic or Latinx	2.7%	6.1%
	More than one race	5.0%	4.1%
	Native Hawaiian and other Pacific Islander	0.0%	0.0%
	Some other race	1.2%	0.4%
	White	85.9%	76.3%
Income	Less than $25,000	17.4%	10.4%
	$25,000 - 39,999	13.5%	11.2%
	$40,000 - 59,999	16.9%	15.1%
	$60,000 - 74,999	11.0%	10.0%
	$75,000 - 99,999	14.3%	14.1%
	$100,000 - 149,999	16.6%	18.3%
	$150,000 or higher	10.3%	20.8%
Education	High school	39.6%	30.9%
	Associate degree or some college	34.9%	32.4%
	4-year degree	17.6%	24.2%
	Graduate or professional degree	7.9%	12.6%