

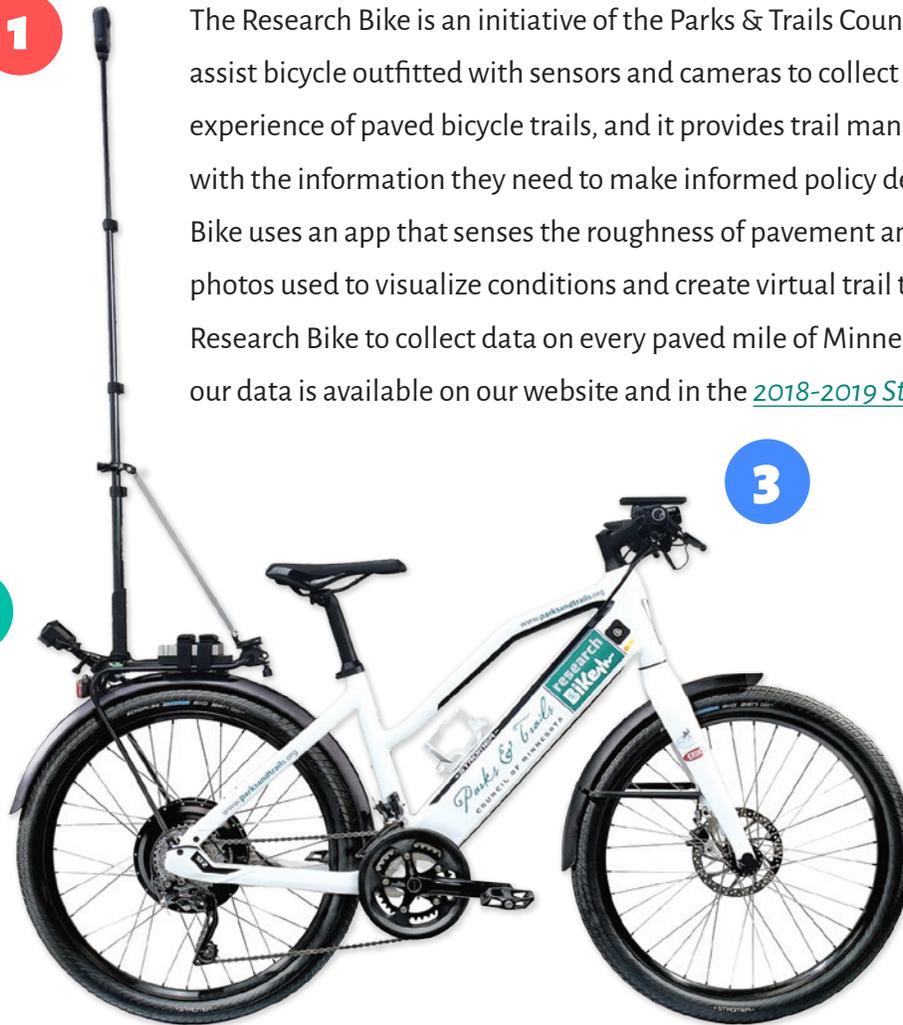


# research **BiKey**

1

The Research Bike is an initiative of the Parks & Trails Council. It's an electric-assist bicycle outfitted with sensors and cameras to collect data on the user experience of paved bicycle trails, and it provides trail managers and lawmakers with the information they need to make informed policy decisions. The Research Bike uses an app that senses the roughness of pavement and also collects photos used to visualize conditions and create virtual trail tours. We've used the Research Bike to collect data on every paved mile of Minnesota State Trail. All our data is available on our website and in the [2018-2019 State of the Trails Report](#).

2



3

## 1 360° Virtual Trail Tours



- Free to view on Google Maps
- 3.9 million views

## 2 Trail Condition Photos



- Captured 65,000 trail photos
- Visual inventory of conditions

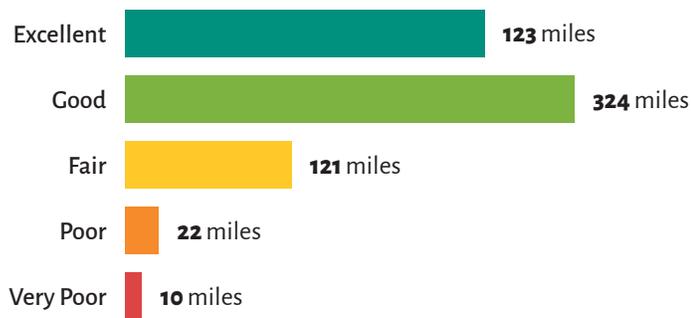
## 3 Trail Roughness Index



- iPhone sensor to measure bumps
- Objective, statistical measure of trail roughness

# Key findings from our 2018-2019 *State of the Trails* Report:

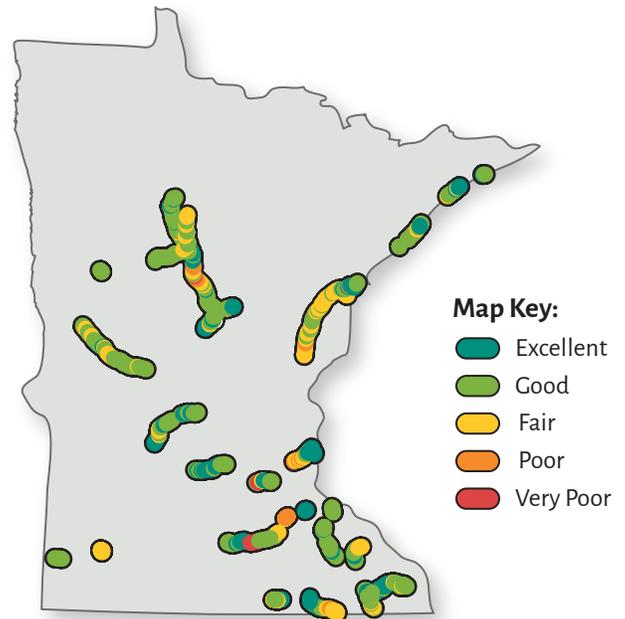
State Trail miles by condition rating:



75% of the system in **good** or **excellent** condition



6% of the system in **poor** or **very poor** condition



Minnesota State Trails are currently in good condition, but without additional funding the system *will* fall into disrepair.

**HF 697 provides critical funding to fix trails in poor condition.** These repairs address critical public safety issues, improves recreation opportunities, makes Minnesota a better place to live and work, and promotes tourism.

## HF 697 has broad support across Minnesota's parks and trails community:

- Friends of Anderson Park
- Friends of Blue Mounds State Park
- Friends of Camden State Park
- Friends of Chester Woods
- Freeborn County Trail Association
- Frontenac State Park Association
- Gateway Browns Creek Trail Association
- Friends of Glacial Lakes State Park
- Glendalough Park Partners
- Goodhue-Pioneer Trail Association
- Friends of Itasca State Park
- Friends of the Jackson County Trails
- Friends of Lake Maria State Park
- Friends of the Lake Vermilion Trail
- Friends of Maplewood State Park
- Friends of the Mill Towns State Trail
- Minnesota Trail Riders Association
- Friends of the Mississippi Blufflands Trail
- Friends of Scandia Parks and Trails
- Friends of the Shooting Star Trail/Prairie Visions
- Sibley State Park Improvement Association
- Friends of Tettegouche State Park
- Friends of Whitewater State Park