

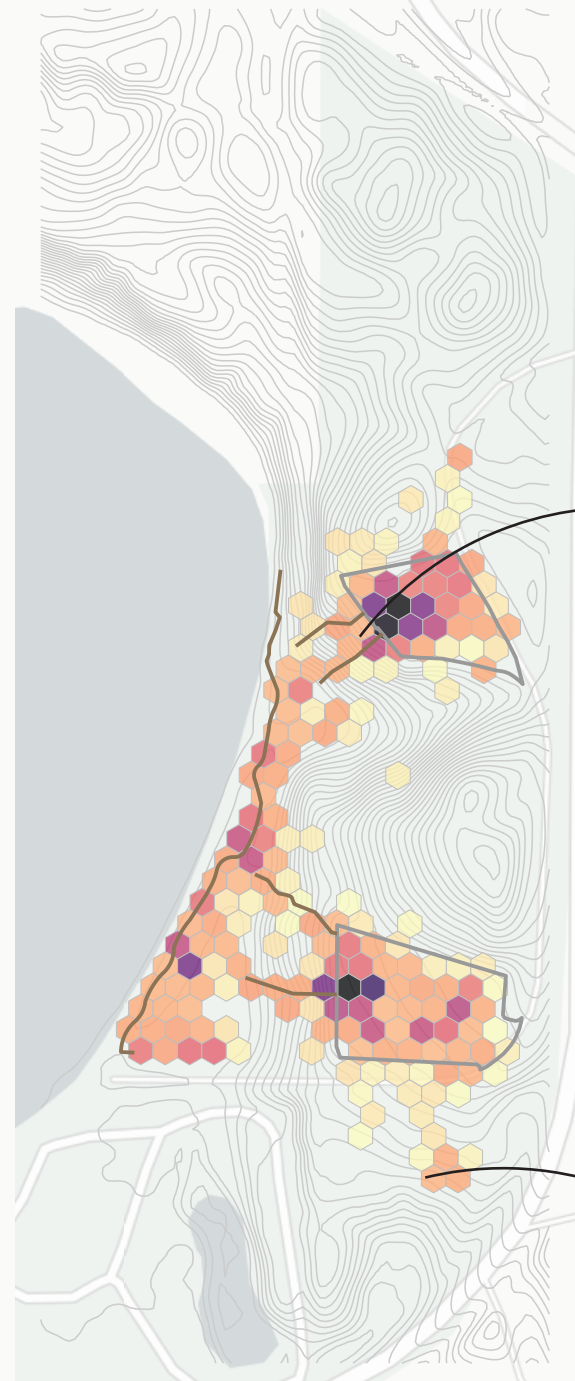
# Activity within Square Lake Park - Summer 2019

## What is a trip?

A trip starts when a device begins moving and ends when a device does not move more than 16 feet in 5 minutes. A trip must also be at least 3 minutes and about 1/3 mile in length.

## Trip End

Detects only trips that start outside a given hexagon, and end in a given hexagon



Median Traffic Index = 1  
Mean Traffic Index = 1.2

## Trip Pass-Through

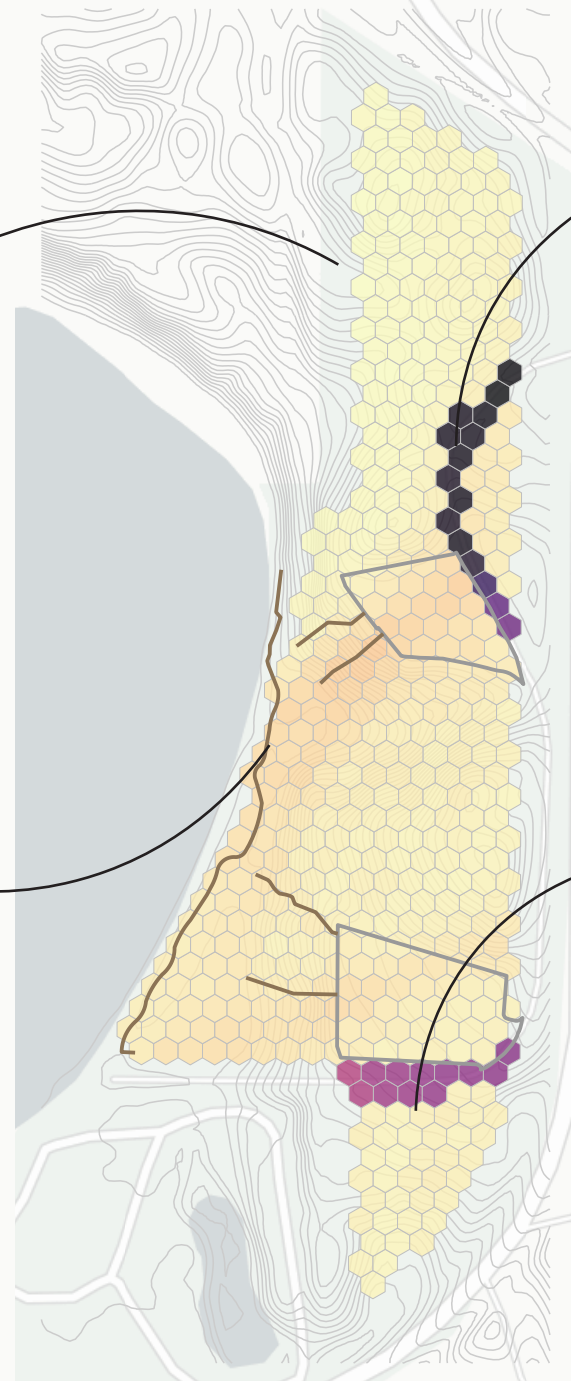
Detects only trips that passed through the given hexagon without stopping

Greater overall activity across the entire park, indicating that visitors utilize the entire park

Many devices end their trip near the pay stations, while other end near the beach

Faint activity on walking paths down to the beach

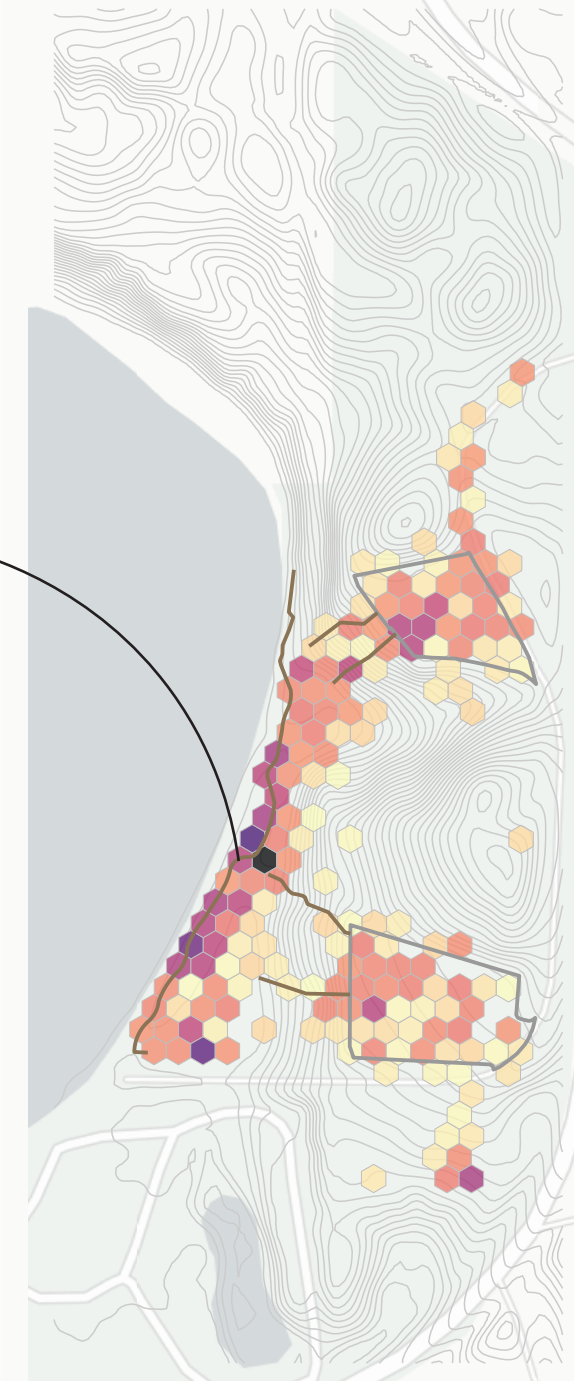
Trips ending near the overflow parking area



Median Traffic Index = 6  
Mean Traffic Index = 15.9

## Trip Start

Detects only trips that starts in a given hexagon and ends somewhere else



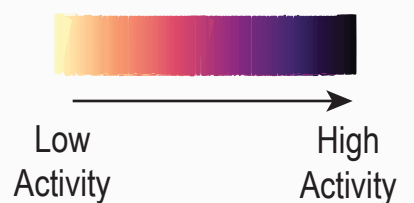
Median Traffic Index = 1  
Mean Traffic Index = 0.86

## Legend

Parking Lot Boundary

Paved Road

Walking Trail



Traffic Index - © StreetLight Data, Inc.  
Basemap - Carto Positron, 2020  
Elevation contour - MnTOPO, by MnDNR  
Summer defined as 5/26/19 to 9/2/19.  
Traffic Index values are scaled within each intersection type for comparison across types.  
Sample size for all analyses is 1,000 devices  
Au: Liz Roten, Metropolitan Council. June 2020

Aggregated location data from individual devices reveal high-activity areas and paths.

These maps visualize the activity within Square Lake Park on an average day during operating hours (6am - 10pm) in Summer 2019. Each map shows a grid of hexagons covering Square Lake Park. The hexagons are colored such that darker shades indicate greater activity, and lighter shades indicate lower activity. Each trip intersection type highlights the ways in which visitors enjoy the park. However, activity on Square Lake, such as paddling, boating, or using the fishing pier, is not detected.