

## Summary of Available Data from Sportworks & GraphQL

Sportworks official documentation from their bike rack + wheelchair occupancy platform is available on their website [here](#). This document covers a series of queries and metadata not officially captured as of August 2025.

Category	Queries Available	Key Data Fields Returned
Vehicle Status	latest, historical	vehicleId, routeId, tripId, lat, long, capacity, timestamp
Journey Tracking	journeys	journeyId, beginLat, beginLong, endLat, endLong, distanceMeters, durationMinutes
Transit Routes	routes, trips	routeId, tripId, startTime, endTime
Geospatial Data	markers, getGeoJsonFile	markerId, lat, long, radius
Transit System Info (GTFS)	gtfsConfig	agency, timezone, language

## Queries

### Latest

**Get the most recent status of a vehicle.**

Field	Type	Description
vehicleId	String	Unique vehicle identifier
namespace	String	Data grouping or organization name
operator	String	Transit agency or fleet operator
routeId	String	ID of the route the vehicle is on
tripId	String	ID of the current trip
capacity	Int	Total number of bike racks the vehicle can hold
available	Int	Number of available bike racks
used	Int	Number of bike racks occupied
deployed	Boolean	Deployed true or false if the rack is deployed.
lat	Float	Current latitude of the vehicle
long	Float	Current longitude of the vehicle
timestamp	String	Timestamp of the last recorded status

## Historical

### Get historical information

Field	Type	Description
<b>vehicleId</b>	String	Unique identifier for the vehicle
<b>namespace</b>	String	Scope or organization of the data
<b>operator</b>	String	Transit agency or fleet operator name
<b>routeId</b>	String	ID of the route the vehicle was on
<b>tripId</b>	String	ID of the trip the vehicle was making
<b>capacity</b>	Int	Total number of bike racks on the vehicle
<b>available</b>	Int	Number of unoccupied bike racks
<b>used</b>	Int	Number of occupied bike racks
<b>deployed</b>	Boolean	?
<b>lat</b>	Float	Latitude of the vehicle
<b>long</b>	Float	Longitude of the vehicle
<b>timestamp</b>	String	Timestamp of the last recorded status

## Journeys

### Retrieve completed journeys of vehicles

Field	Type	Description
<b>journeyId</b>	String	Unique journey identifier
<b>namespace</b>	String	Data grouping or organization name
<b>operator</b>	String	Transit agency or fleet operator
<b>vehicleId</b>	String	Unique vehicle identifier
<b>routeId</b>	String	ID of the route the vehicle followed
<b>tripId</b>	String	ID of the trip
<b>beginStopId</b>	String	ID of the starting stop
<b>beginLat</b>	Float	Latitude of the journey's start point
<b>beginLong</b>	Float	Longitude of the journey's start point
<b>beginTimestamp</b>	String	Timestamp of journey start
<b>endStopId</b>	String	ID of the ending stop
<b>endLat</b>	Float	Latitude of the journey's end point
<b>endLong</b>	Float	Longitude of the journey's end point
<b>endTimestamp</b>	String	Timestamp of journey end
<b>durationMinutes</b>	Int	Duration of the journey in minutes
<b>distanceMeters</b>	Float	Total journey distance in meters

## Routes

Get a list of transit routes.

Field	Type	Description
<b>id</b>	String	Route ID
<b>namespace</b>	String	Data grouping name
<b>name</b>	String	Route name
<b>operator</b>	String	Transit agency name

## Trips

Field	Type	Description
<b>id</b>	String	Trip ID
<b>routeId</b>	String	Route ID
<b>namespace</b>	String	Data grouping name
<b>startTime</b>	String	Scheduled start time
<b>endTime</b>	String	Scheduled end time

## Markers

Marker (renamed in the UI to Key Locations) are user configured key locations placed throughout the transit network that could be a collection of stops like University. The marker is then used to track trips to and from that marker within a radius regardless of route or tripId. This is added information to provide better tracking of rider trips in and out of a specific location.

Field	Type	Description
<b>id</b>	String	Marker ID
<b>name</b>	String	Name of the location
<b>lat</b>	Float	Latitude
<b>long</b>	Float	Longitude
<b>radius</b>	Int	Radius of influence

## gtfsConfig

Get transit agency GTFS (General Transit Feed Specification) configuration.

Field	Type	Description
<b>agency</b>	String	Transit agency name
<b>timezone</b>	String	Agency timezone

Field	Type	Description
language	String	Default language for schedules