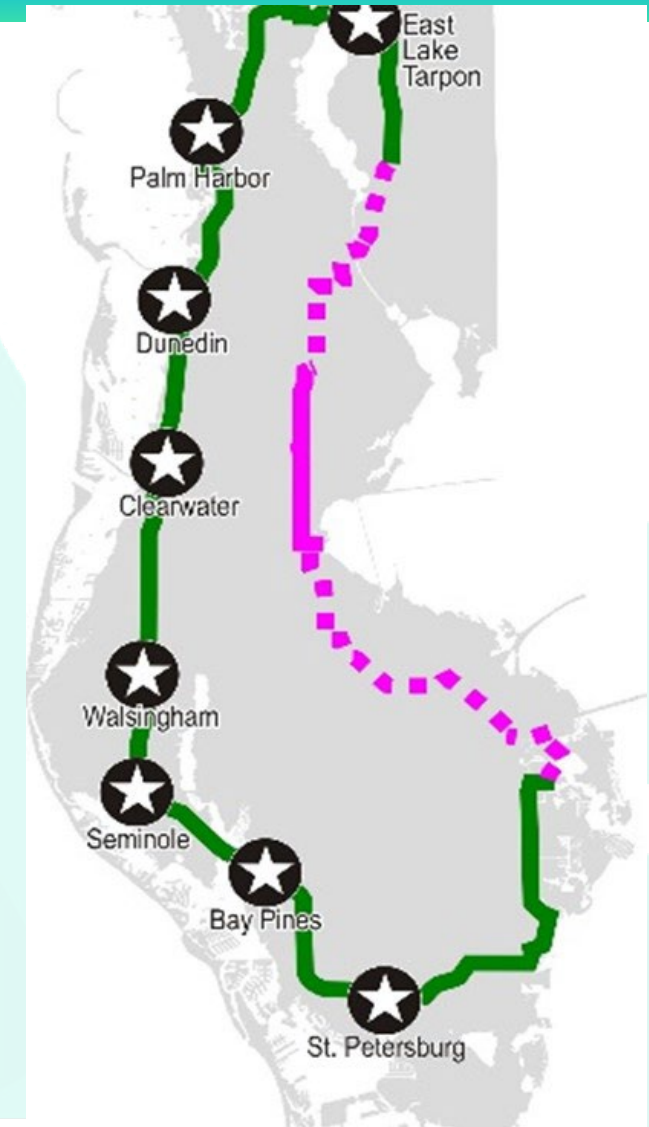


Pinellas Trail Speed Study

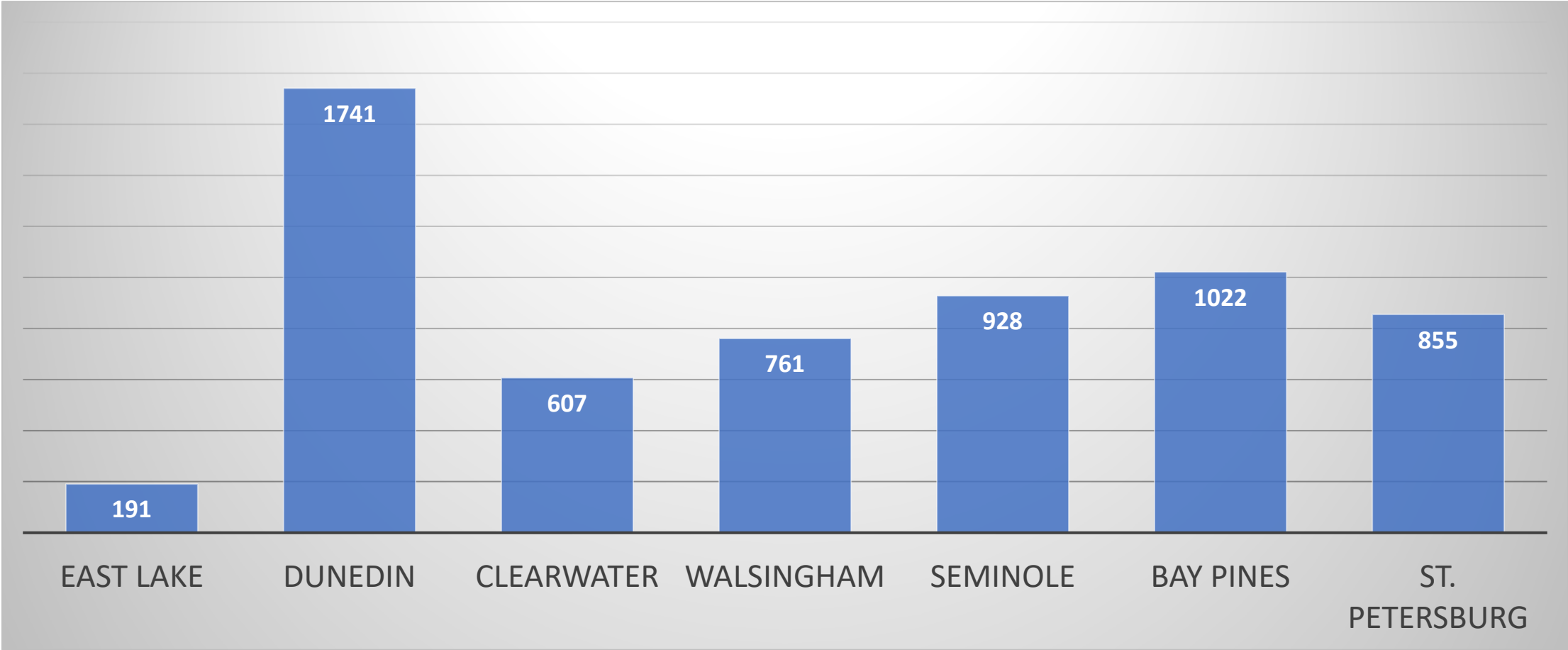
Forward Pinellas Board Meeting – May 11, 2022

Purpose and Overview of Study

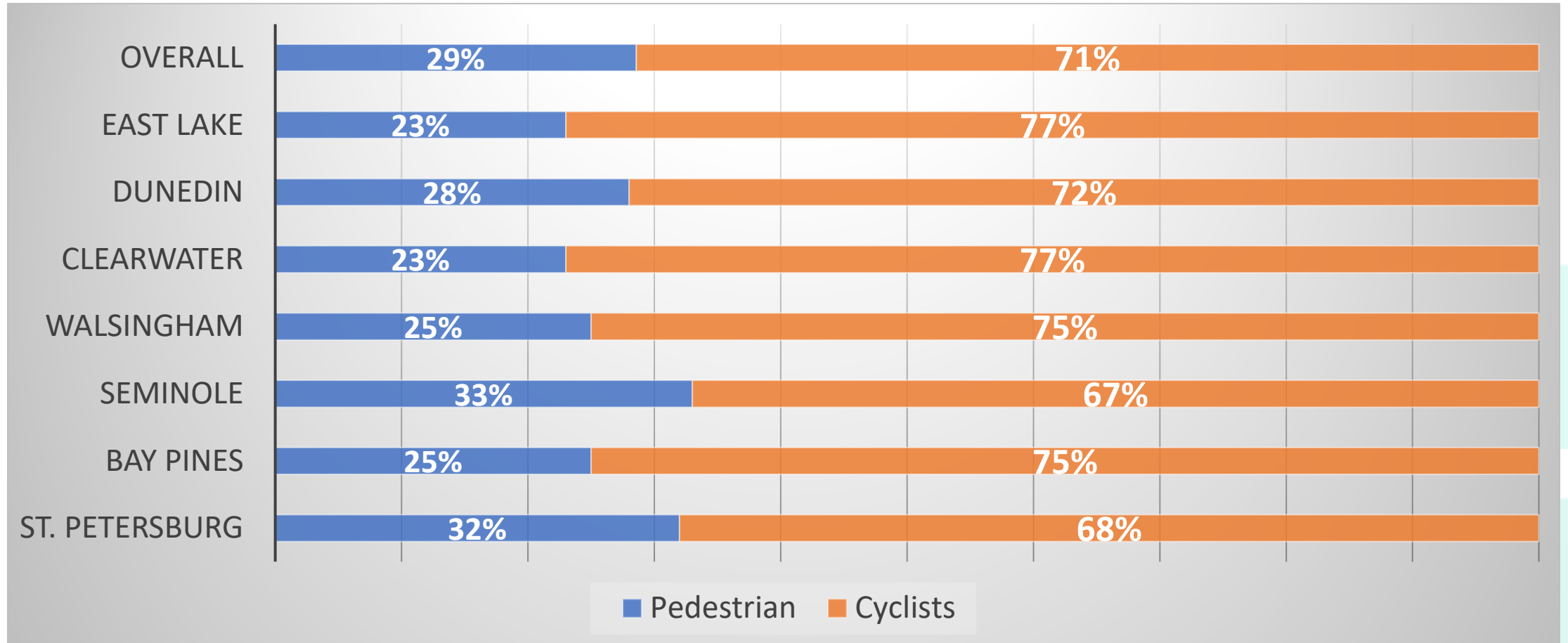
- Respond to citizen concerns about speeding on Pinellas Trail
- Address concerns that eBikes used on trail are too fast/unsafe
- Have data to guide responses to user comments
- Pinellas Trail has legal speed limit of 20mph
- Trail Counters don't differentiate between eBikes and regular bikes
 - Conduct field work to gain data on eBikes
- All bike/scooter sharing is allowed on trail if under 20mph (these devices have 20mph limit)



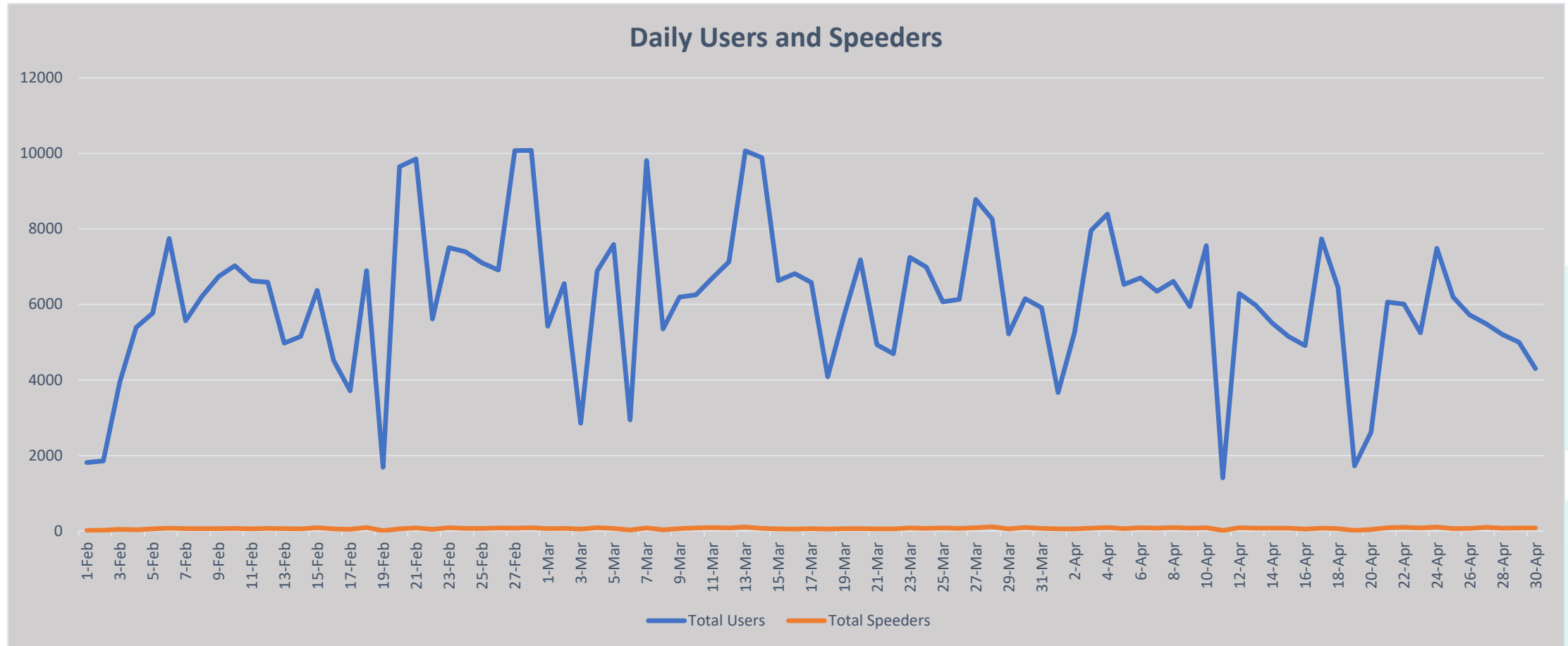
Average Daily Use



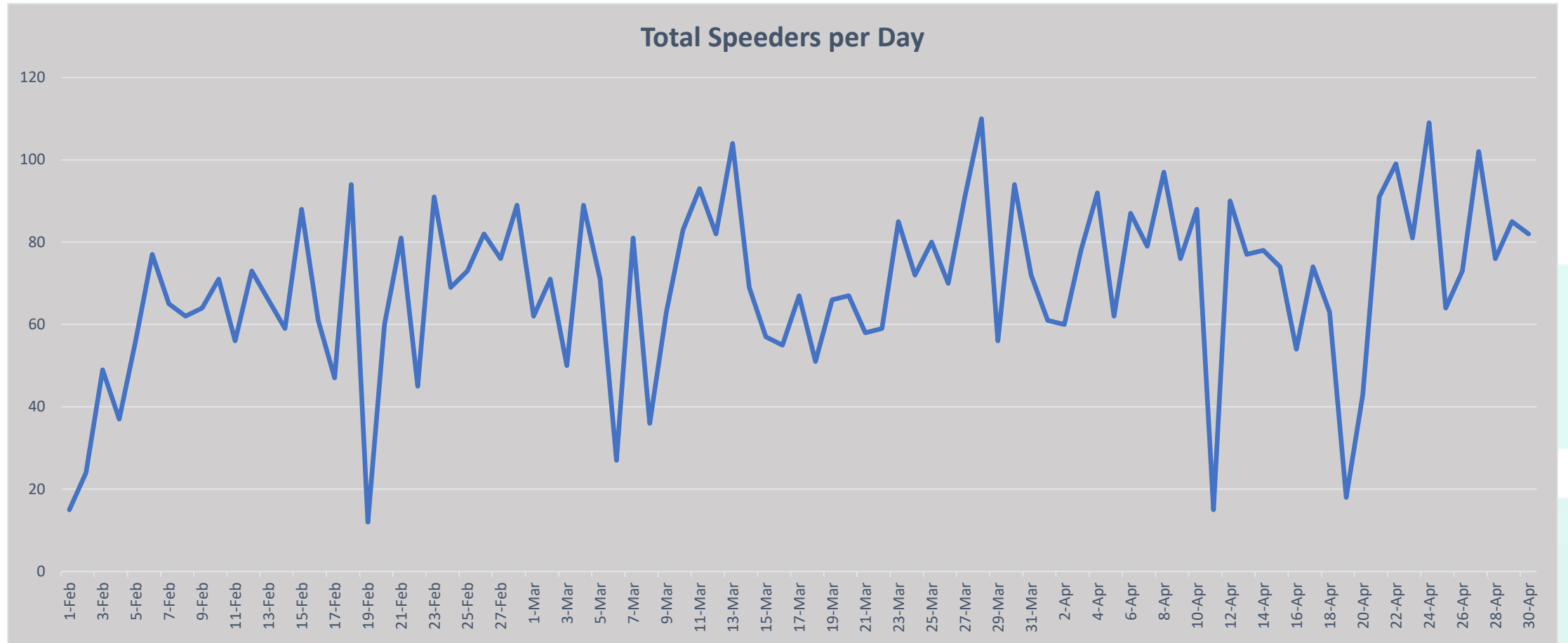
User Types



Daily Users/Speeders



Daily Speeders



Summary of Trail Counter Data

- Total Measurements-543,305
- Total Speeders-5,729
- Overall Speeding Rate-1.05%
- Average daily speeding rate
 - East Lake-3.6%
 - Dunedin-0.5%
 - Clearwater-0.5%
 - Walsingham-0.25%
 - Seminole-1%
 - Bay Pines-2.6%
 - St. Petersburg-1.3%



Field Work

- December 13, 2021
 - 1 hour at Dunedin counter
 - 1 hour at Bay Pines counter
- April 11, 2022
 - 2 hours at Dunedin counter
 - 2 hours at Palm Harbor counter
- April 12, 2022
 - 2 hours at Bay Pines counter
 - 2 hours at St. Pete counter
- Areas chosen because of heavy use and higher speeding rates
- Need to collect data on electronic/non-electronic users
- Used county speed guns
- Overall trends matched trail counters
- Data collected
 - Time
 - Speed
 - Electronic or not

Field Work Findings

	# Users	# Speeders	% Speeders	# Electric	% Electric	# Elec Speeders	% Elec Speeders
Dunedin Bay Pines Palm Harbor St. Pete	235	1	0.4%	21	8.9%	1	4.8%
	110	1	0.9%	16	14.5%	0	0.0%
	86	1	1.2%	14	16.3%	0	0.0%
	73	2	2.7%	16	21.9%	2	12.5%
Total	504	5	1.0%	67	13.3%	3	4.5%

Key Takeaways

- Low rates of speeding across the trail
- Low rates of speeders per day
- Possible speed perception issue considering that highest speed bands are 0-5 (walkers) and 11-15 (cyclists)
- Electric average $\approx 13.3\%$ across trail
- Electric speeders $\approx 0.6\%$ all measurements

Recommendations

- Continue monitoring on a regular basis
- Work with law enforcement
- Parks and Conservation and Public Works evaluating signage and trail markings of the trail
- Evaluate speed limits on some areas of the trail
 - High-use areas
 - Near schools
 - Near intersections
- Continue educational and safe trail messaging