2023 Portland Bicycle Counts

Bicycle Advisory Committee Meeting

February 13, 2024

About the counts

- June 6 - September 28, 2023

- 272 locations counted by 114 volunteers

- Counted:
  - Bicycles, including gender and helmet use
  - E-bike subtotal
  - E-scooters
  - Skateboards
  - One-wheels

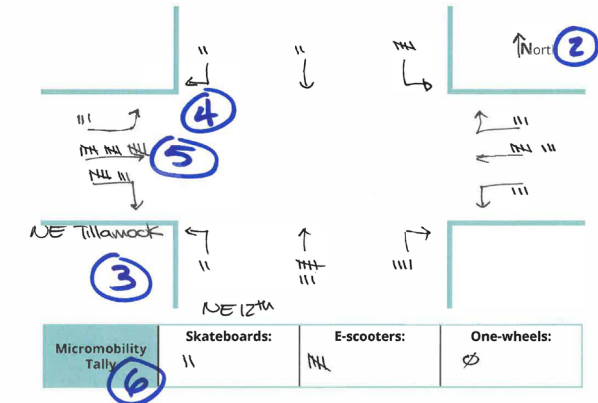- 2-hour counts during peak commute time extrapolated to a weekday estimate

Change over time

2022-2023 change in people biking

District*	% change	Sites counted both years	People counted 2022	People counted 2023
Northwest	14.9%	15	1,743	2,003
East	12.0%	28	526	589
South	8.4%	4	298	323
Portland Avg	**4.8%**	**204**	21,378	22,397
Central City**	4.5%	21	2,513	2,626
*Bridge***	*5.1%*	*2*	*214*	*225*
City Center	*4.4%*	*19*	*2,299*	*2,401*
Southeast	4.3%	53	7,771	8,108
Northeast	3.9%	39	4,676	4,858
North	1.2%	16	1,961	1,984
Southwest	0.8%	28	1,890	1,906

Arranged from high to low

Overall, the number of people biking in 2023 increased ↑**5%** relative to 2022.

- Relative to 2019, biking has decreased ↓**32%**.

- Relative to 2016, biking has decreased ↓**40%**.

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Change over time

Change in biking from pre-pandemic high

-45%
PORTLAND

-51%
NORTH

-36%
NORTHWEST

-40%
NORTHEAST

-41%
EAST

-58%
CENTRAL CITY

-41%
SOUTHEAST

-41%
SOUTHWEST

-25%
SOUTH
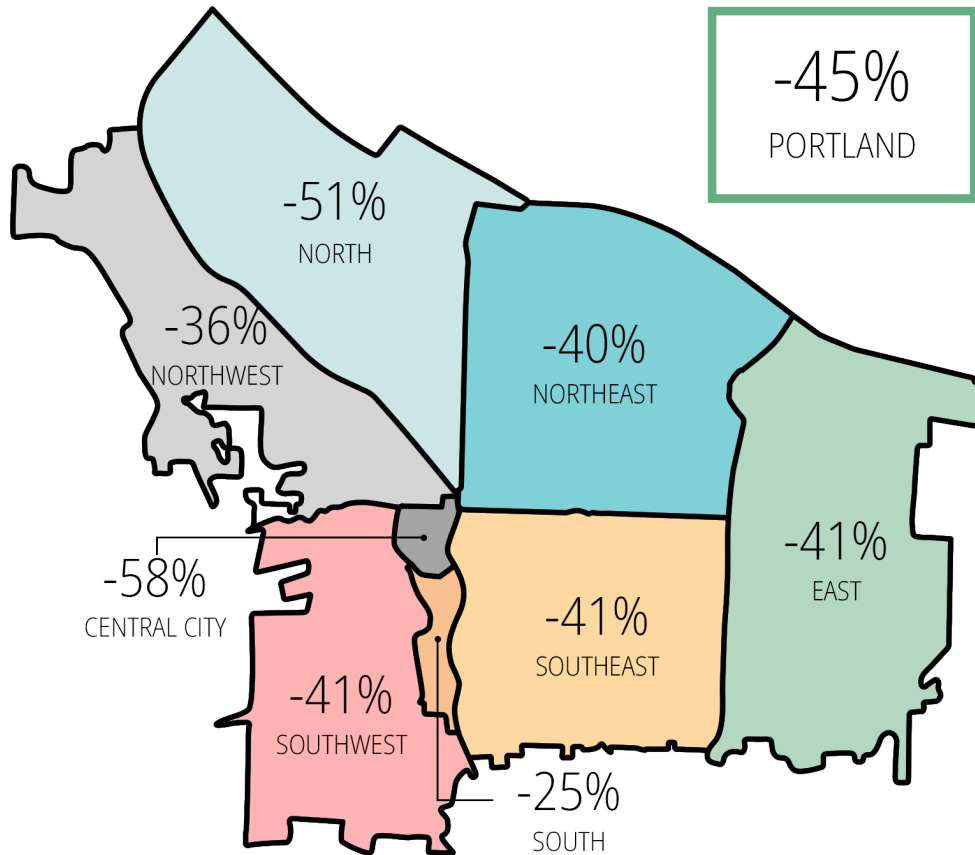
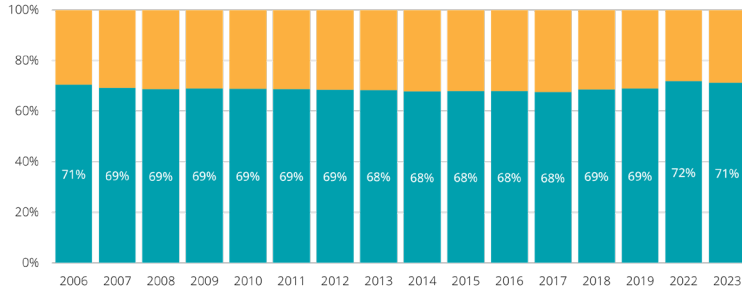The pre-pandemic high was calculated based on the highest average count from four periods as shown below.

Extrapolated Daily Bike Count

- 2006 – 2008 count average
- 2009 – 2012 count average
- 2013 – 2016 count average
- 2017 – 2019 count average
- 2022 count
- 2023 count

SE Foster & 67th
SE Foster & 77th/78th
SE Franklin & 26th Ave
SE Gladstone & 26th
SE Gladstone & 42nd
SE Harrison & Ladd (Circle)
SE Holgate & 17th
SE Ladd & 20th/21st

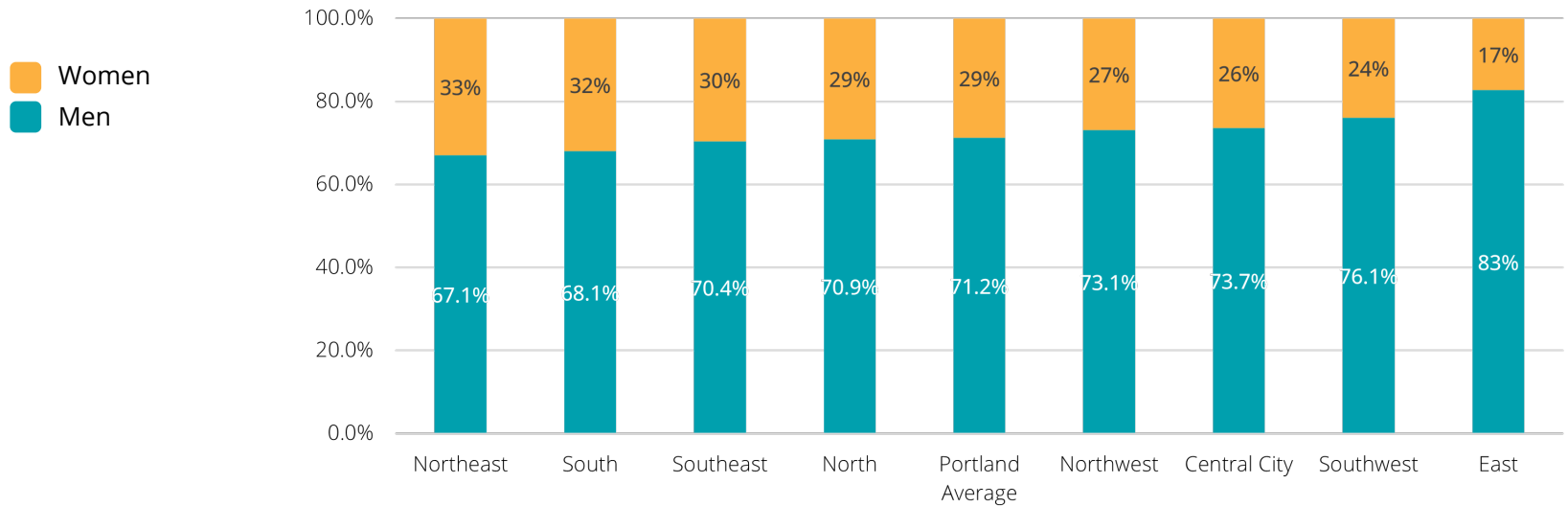PBOT
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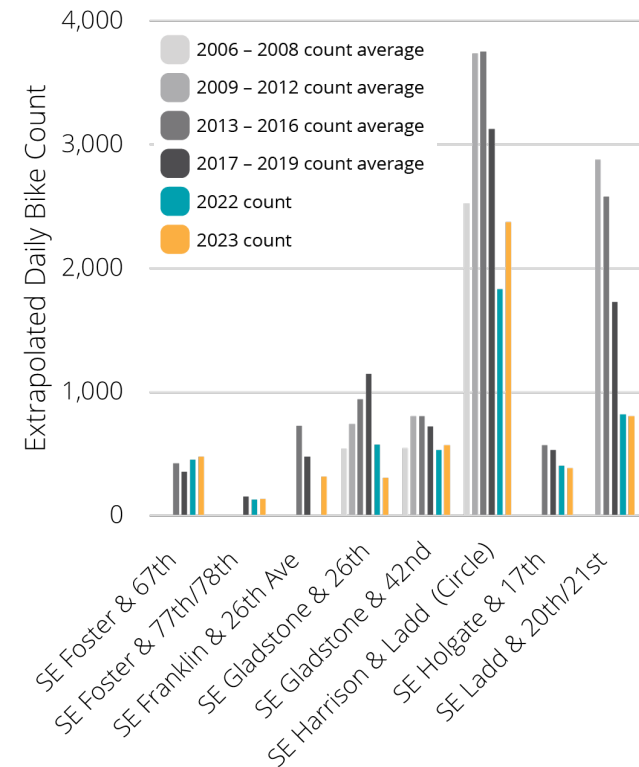
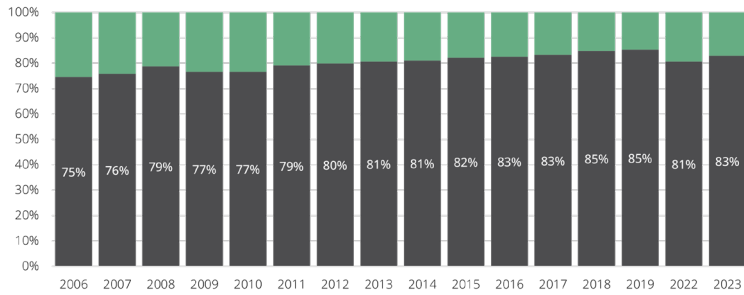# Gender split

Gender distribution by year, 2006-2023

"Areas with demonstrably safer, more comfortable, and conducive conditions for bicycling tend to have more gender parity in cycling."
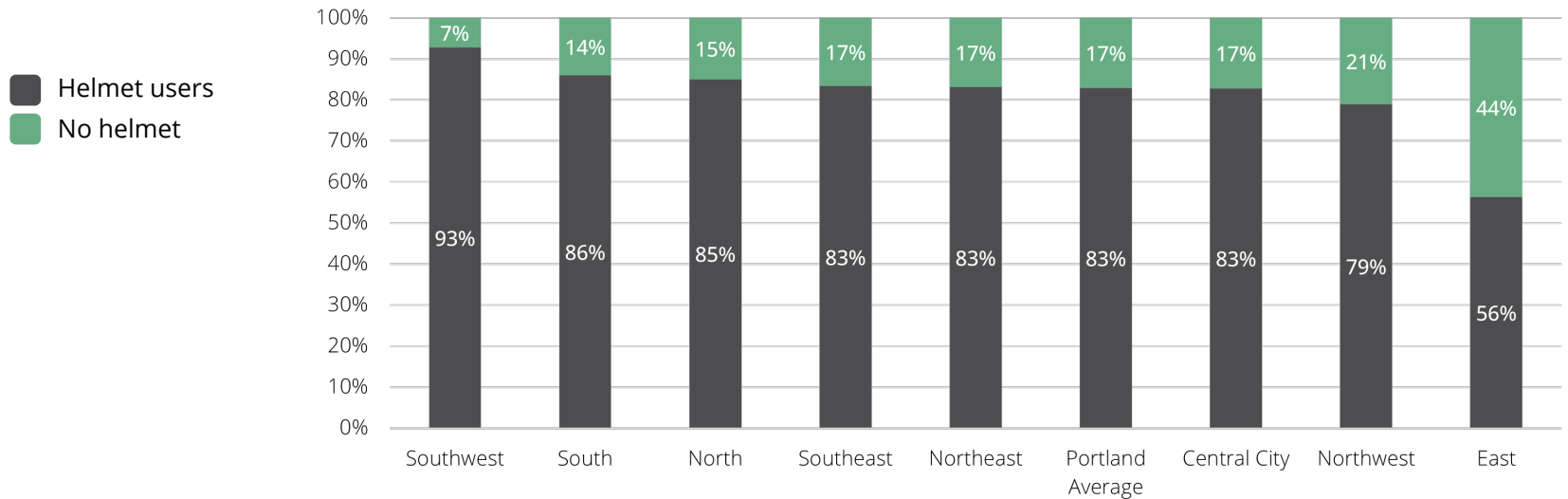
Gender by sector, 2023

Women
Men

Helmet use

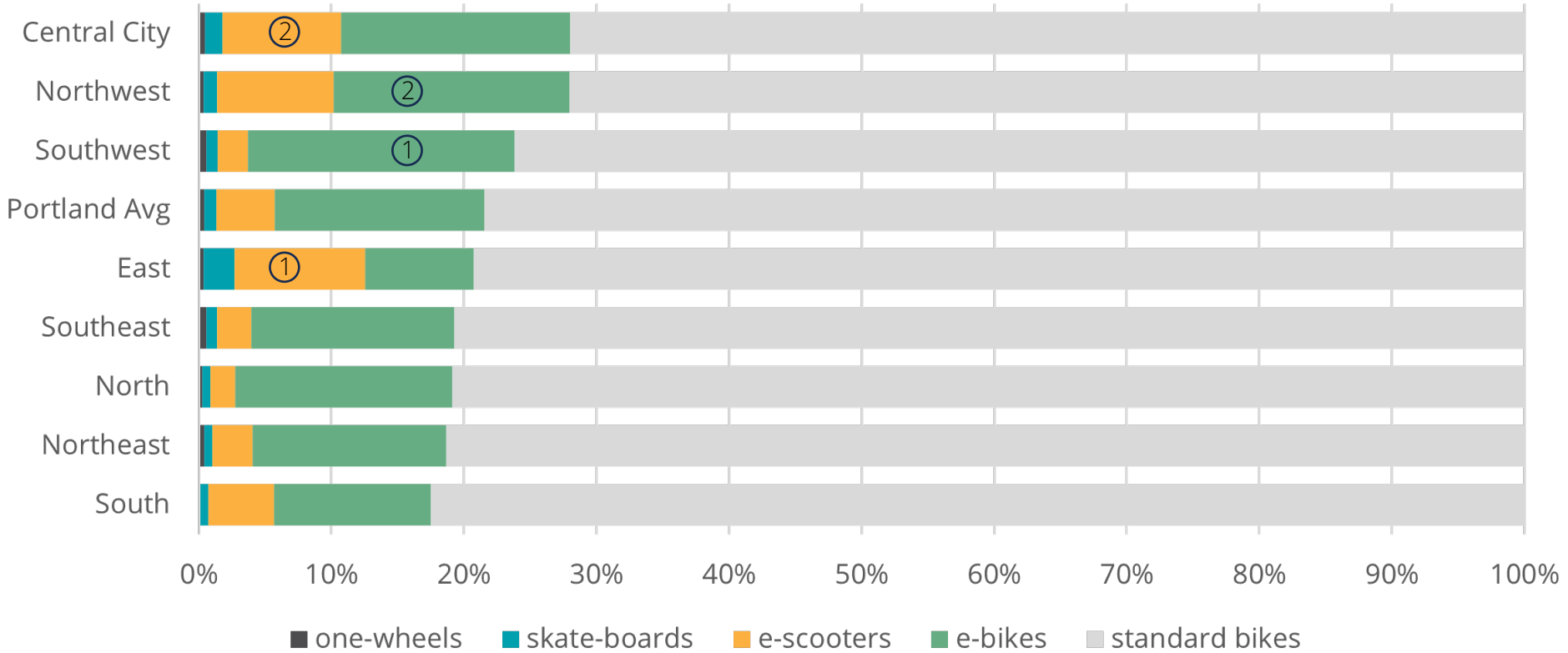Helmet use by year, 2006-2023

Helmet use by sector, 2023

Legend:
- Helmet users
- No helmet

Sector	Helmet users	No helmet
Southwest	93%	7%
South	86%	14%
North	85%	15%
Southeast	83%	17%
Northeast	83%	17%
Portland Average	83%	17%
Central City	83%	17%
Northwest	79%	21%
East	56%	44%

Helmet use by year values: 2006: 75%, 2007: 76%, 2008: 79%, 2009: 77%, 2010: 77%, 2011: 79%, 2012: 80%, 2013: 81%, 2014: 81%, 2015: 82%, 2016: 83%, 2017: 83%, 2018: 85%, 2019: 85%, 2022: 81%, 2023: 83%

E-bikes

District*	E-bikes share of all bikes (%)	Number of e-bikes
Southwest	20.9	412
Northwest	19.8	457
Central City**	19.4	864
City Center	19.5	791
Bridge	18.6	73
North	16.8	658
Portland Avg	**16.8**	**4936**
Southeast	15.9	1442
Northeast	15.3	910
South	12.5	102
East	9.4	91

In 2023, nearly 17% of Portlanders were riding e-bikes—a third of which were women and two-thirds men.

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Micromobility

Distribution of small things with wheels, 2023

Legend: ■ one-wheels ■ skate-boards ■ e-scooters ■ e-bikes ■ standard bikes

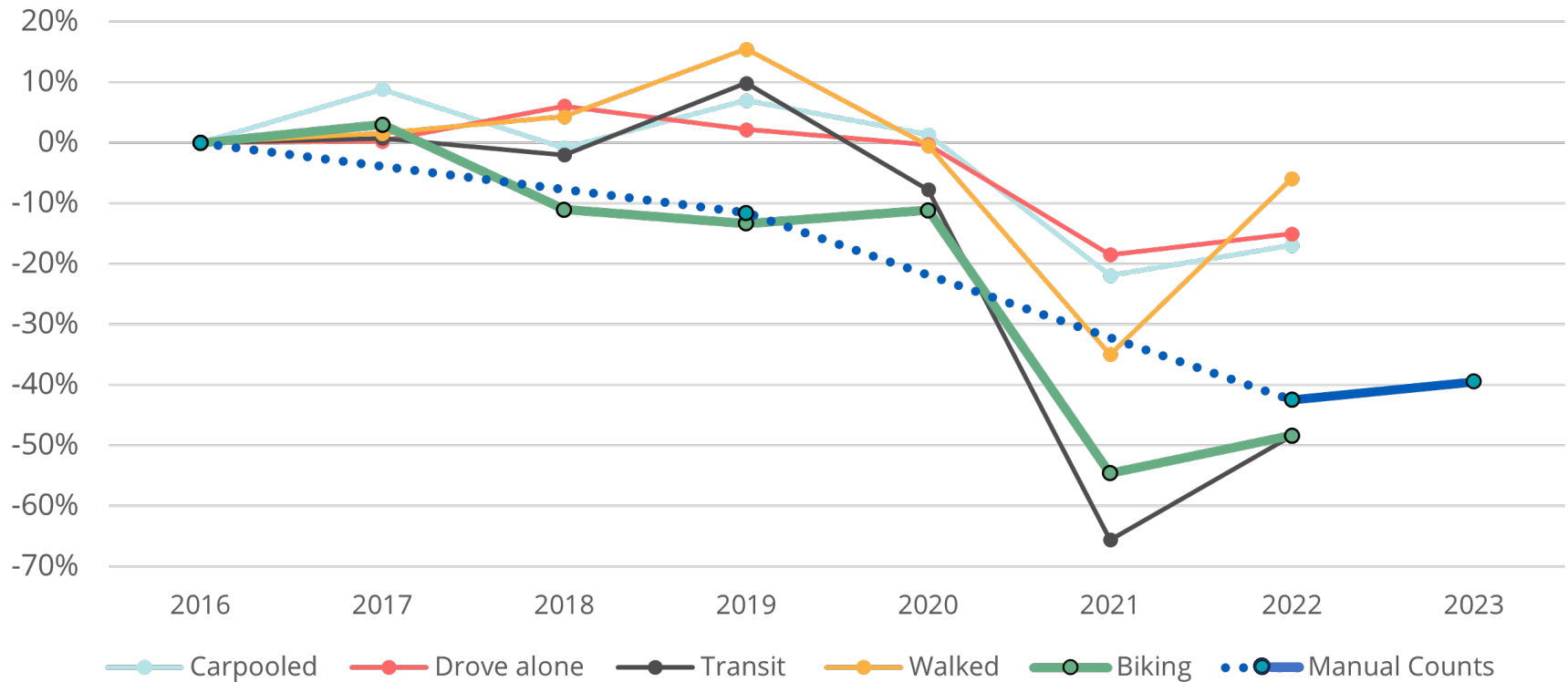# Census commute data
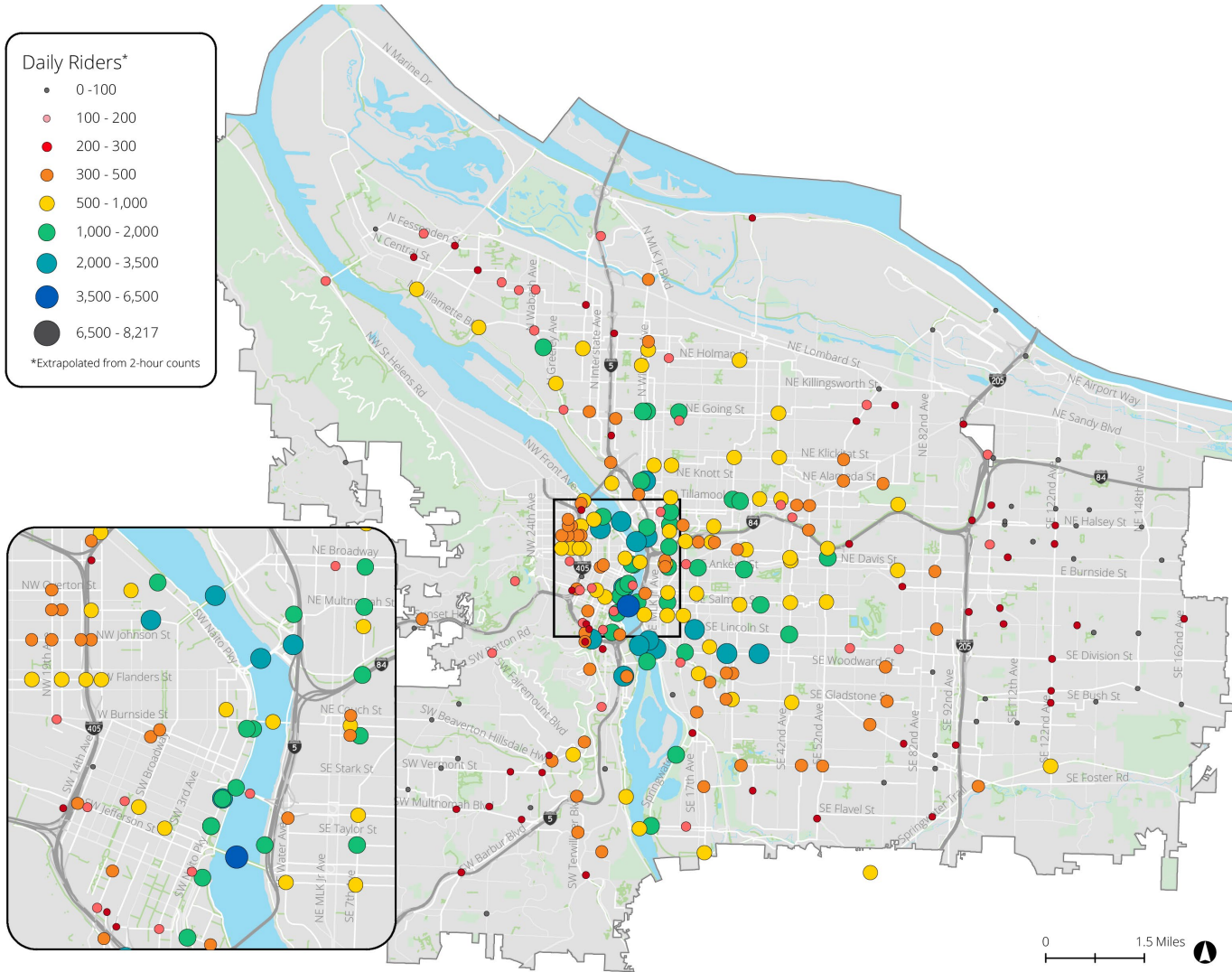

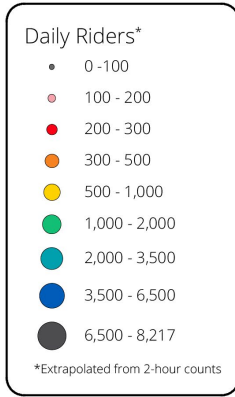Percent change in people biking from 2016 baseline
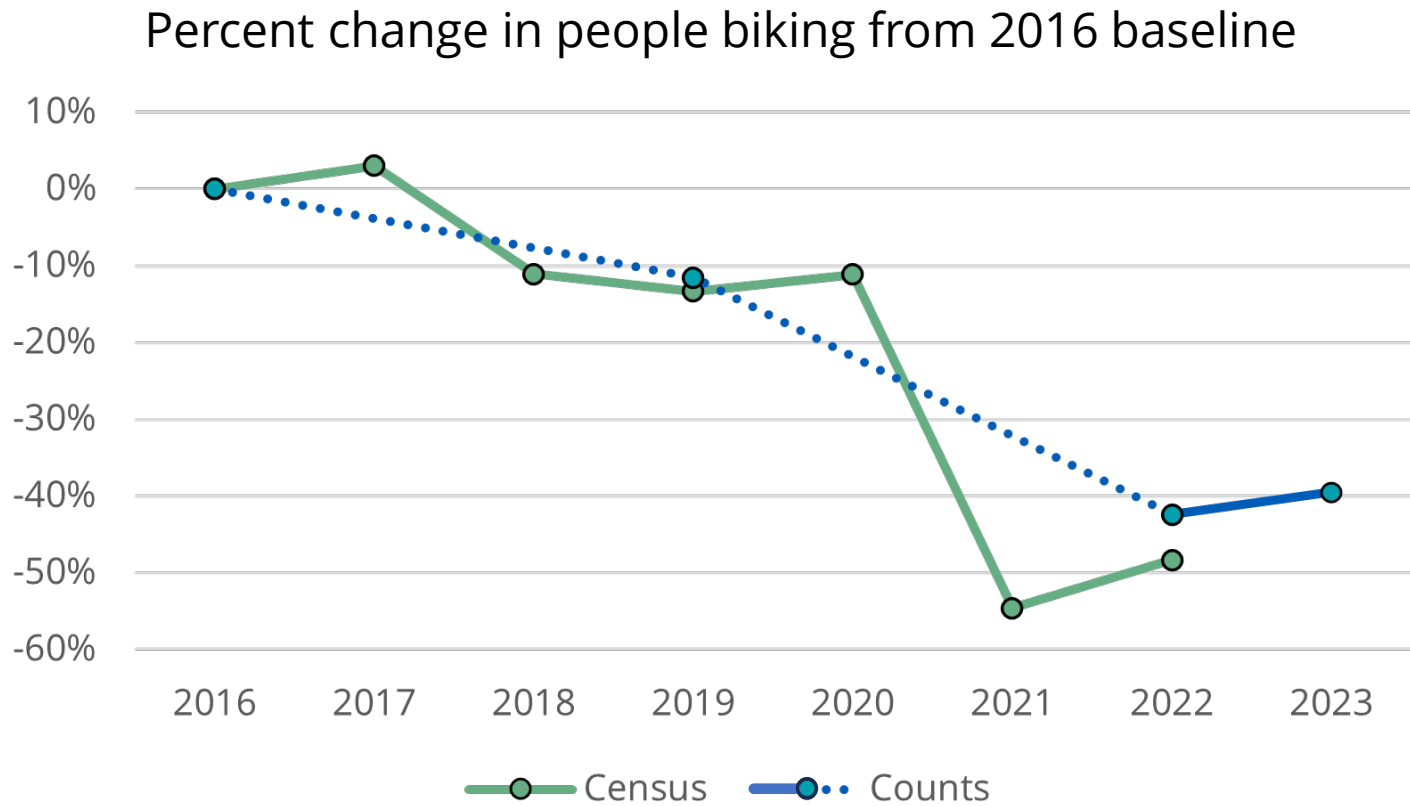
Census commute data
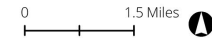

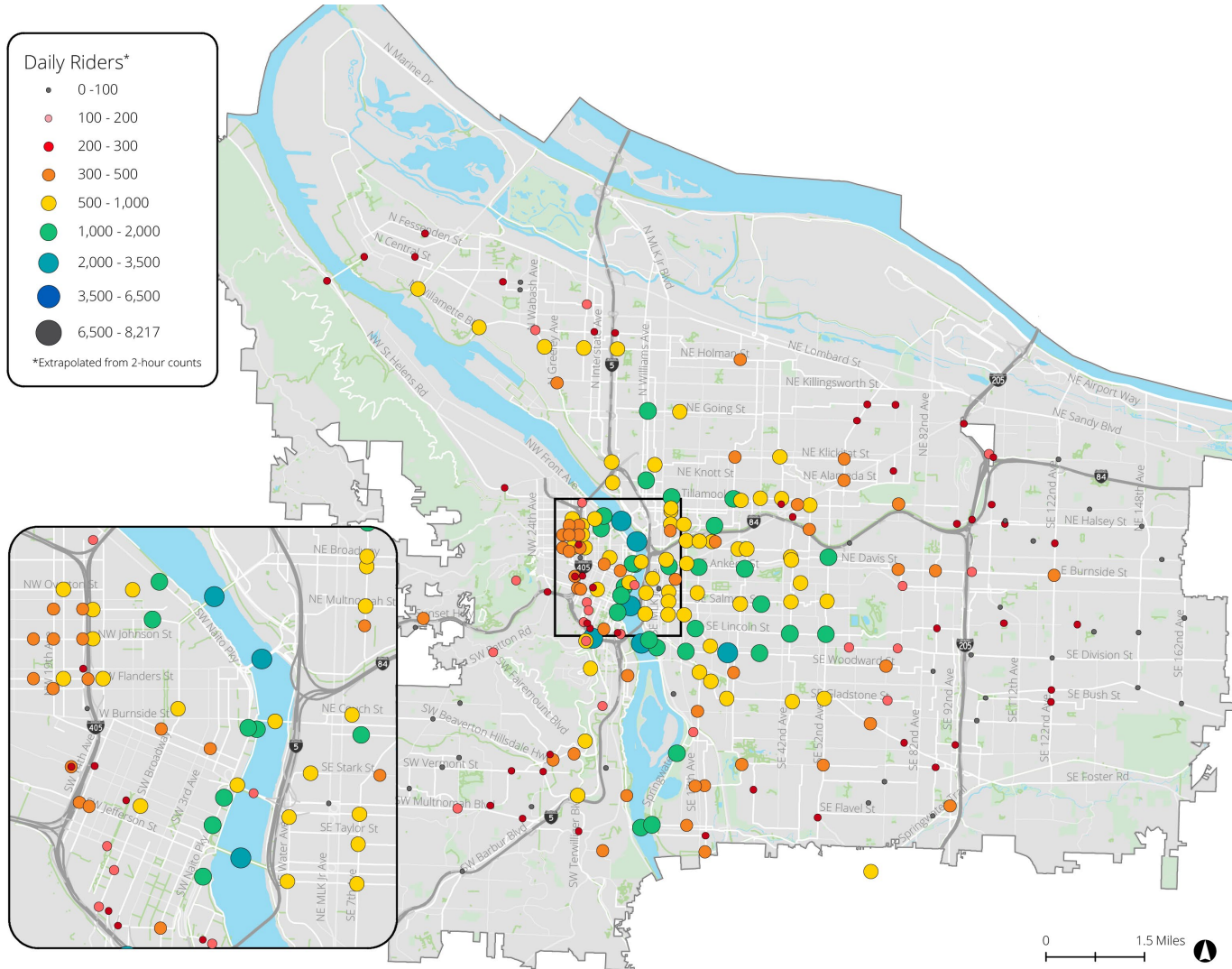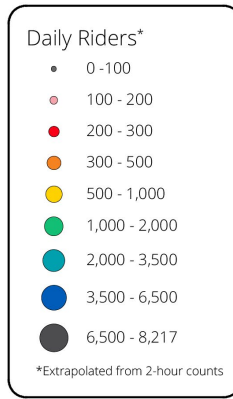Percent change in commuting from 2016 baseline

Note: Work from home is not included because the scale of change is so massive (+300%) as to make the rest of the chart unreadable

Maps – 2023 count
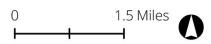
Maps – 2022 count

Daily Riders*
- 0 - 100
- 100 - 200
- 200 - 300
- 300 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 3,500
- 3,500 - 6,500
- 6,500 - 8,217

*Extrapolated from 2-hour counts

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Maps – 2019 count

Daily Riders*
- 0 -100
- 100 - 200
- 200 - 300
- 300 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 3,500
- 3,500 - 6,500
- 6,500 - 8,217

*Extrapolated from 2-hour counts

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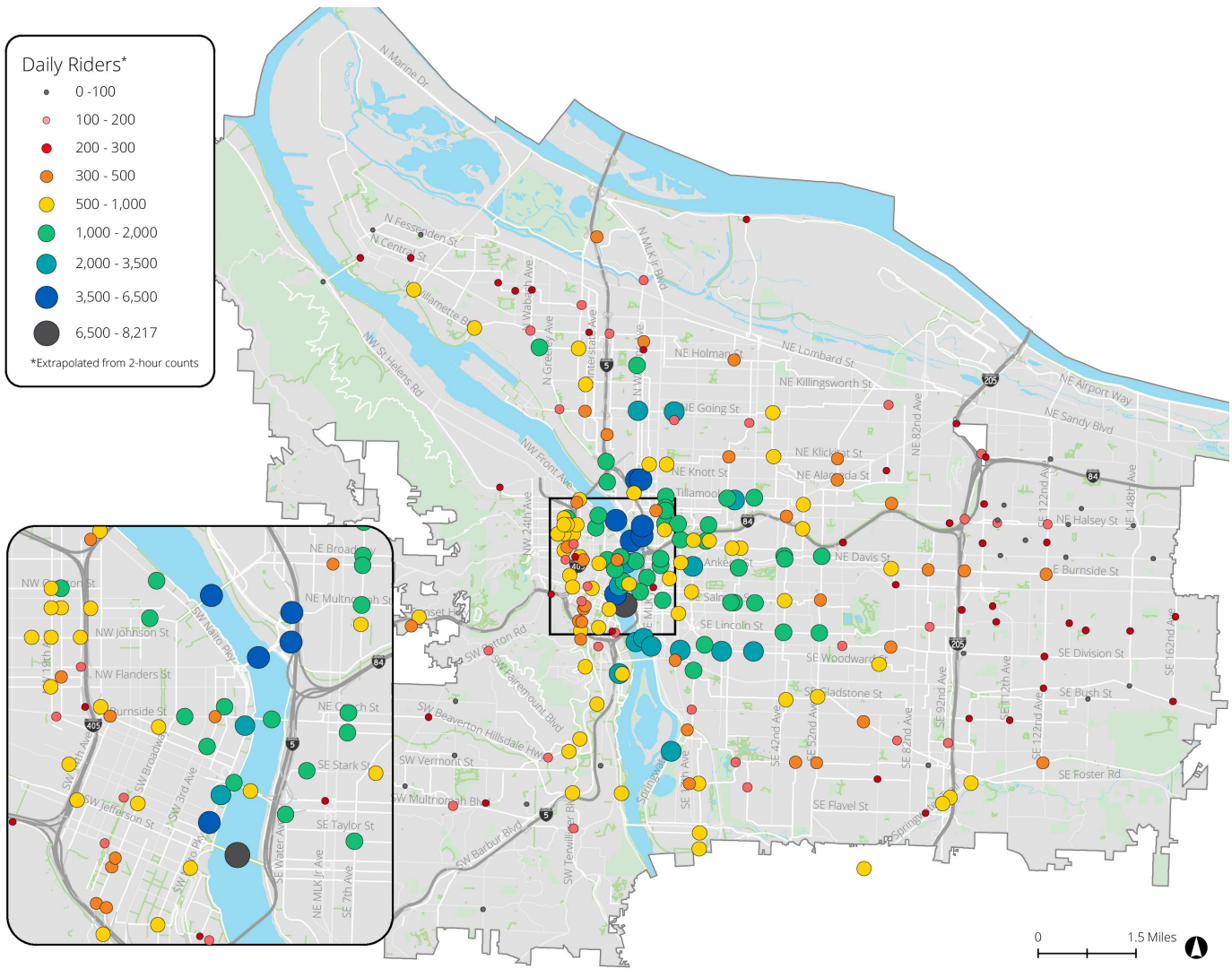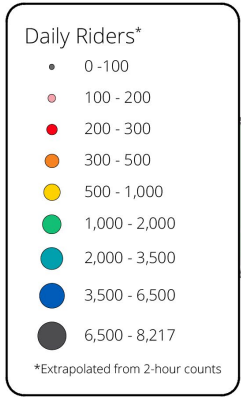
Maps – Year over year change

Change from 2022 - '23

Increases:
1-25 | 26-50 | 51-125 | 126-250 | 251-450 | 451-650

Decreases:

No Change:

Daily Riders*
- 0 - 100
- 101 - 200
- 201 - 300
- 301 - 500
- 501 - 1,000
- 1,001 - 2,000
- 2,001 - 3,500
- 3,501 - 6,500
- 6,501 - 8,217

*Extrapolated from 2-hour counts

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Maps – Gender split

Legend:

Share of women
- < 20%
- 20-29%
- 30-39%
- ≥ 40%

Location rank*
- Top 10
- Bottom 10

*Only ranks locations with 50 or more riders counted

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Maps – E-bikes

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Maps – Highest recorded counts (2016-2023)

Daily Riders*
- 0 -100
- 100 - 200
- 200 - 300
- 300 - 500
- 500 - 1,000
- 1,000 - 2,000
- 2,000 - 3,500
- 3,500 - 6,500
- 6,500 - 8,575

*Extrapolated from 2-hour counts
Note: automatic counters were used for the Blumenauer, Broadway, Hawthorne, Sellwood, Steel, and Tilikum Crossing bridges.

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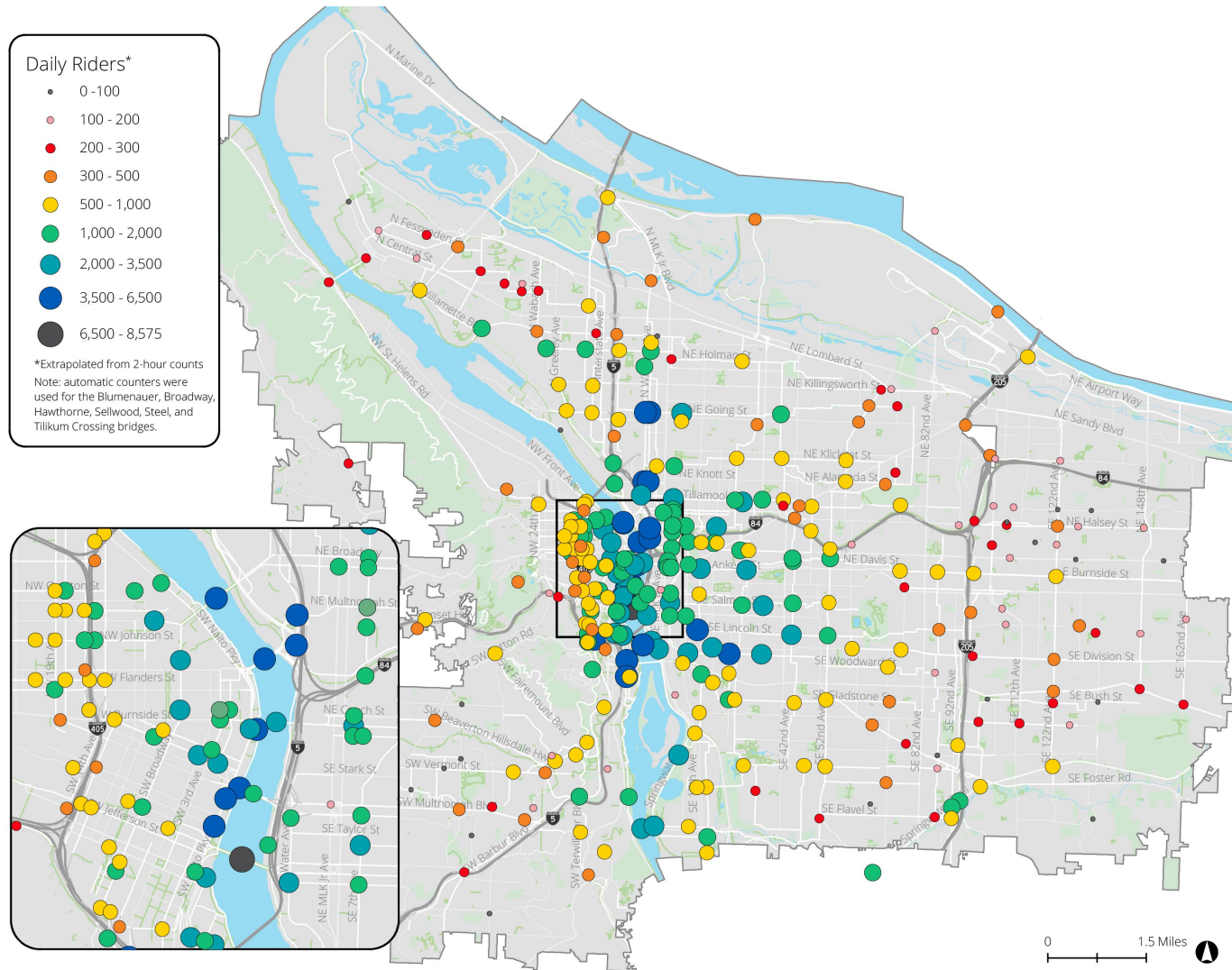
Questions?

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