Regional School Walkshed Tool
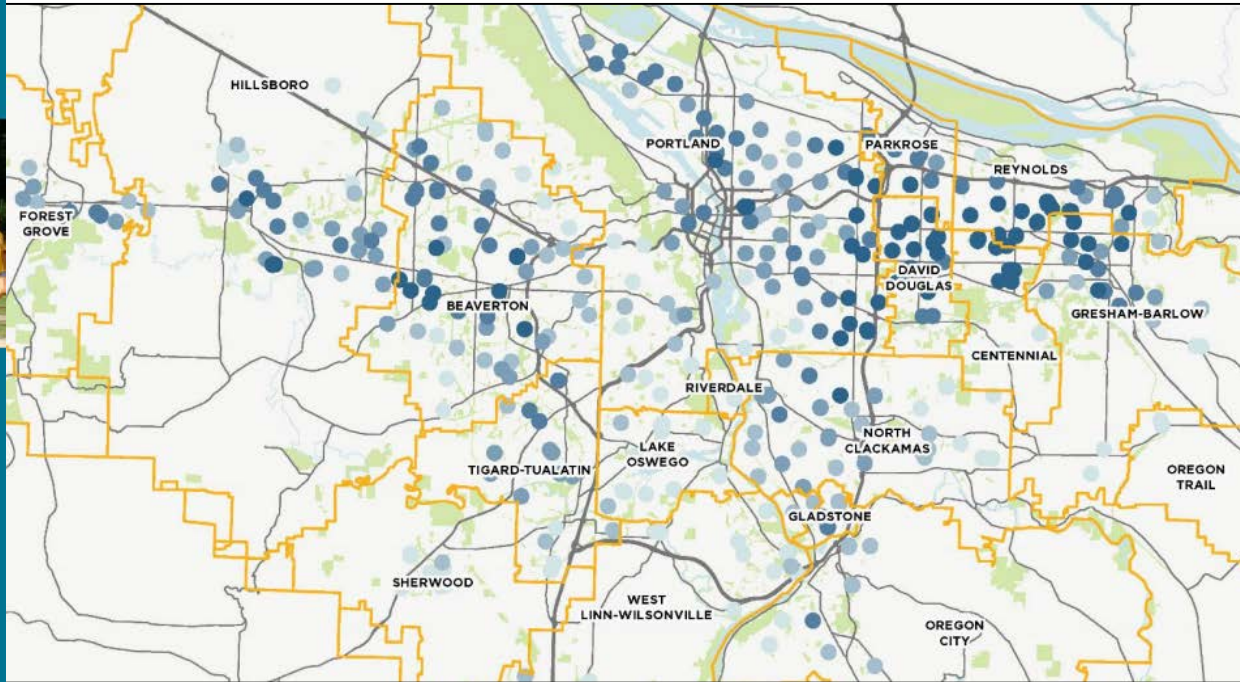
Data update & new interactive map tool

EMCTC March 2023

2016 Regional SRTS School Site Analysis

2023 Update: Purpose

- Provide partners with up-to-date school demographic data and traffic safety data to inform local Safe Routes to School programming

- Support partners in grant applications for both programmatic and infrastructure funding.

- Develop a walkshed model that could be applied locally and incorporate additional data analysis based on program or jurisdiction needs

Introduction of walksheds

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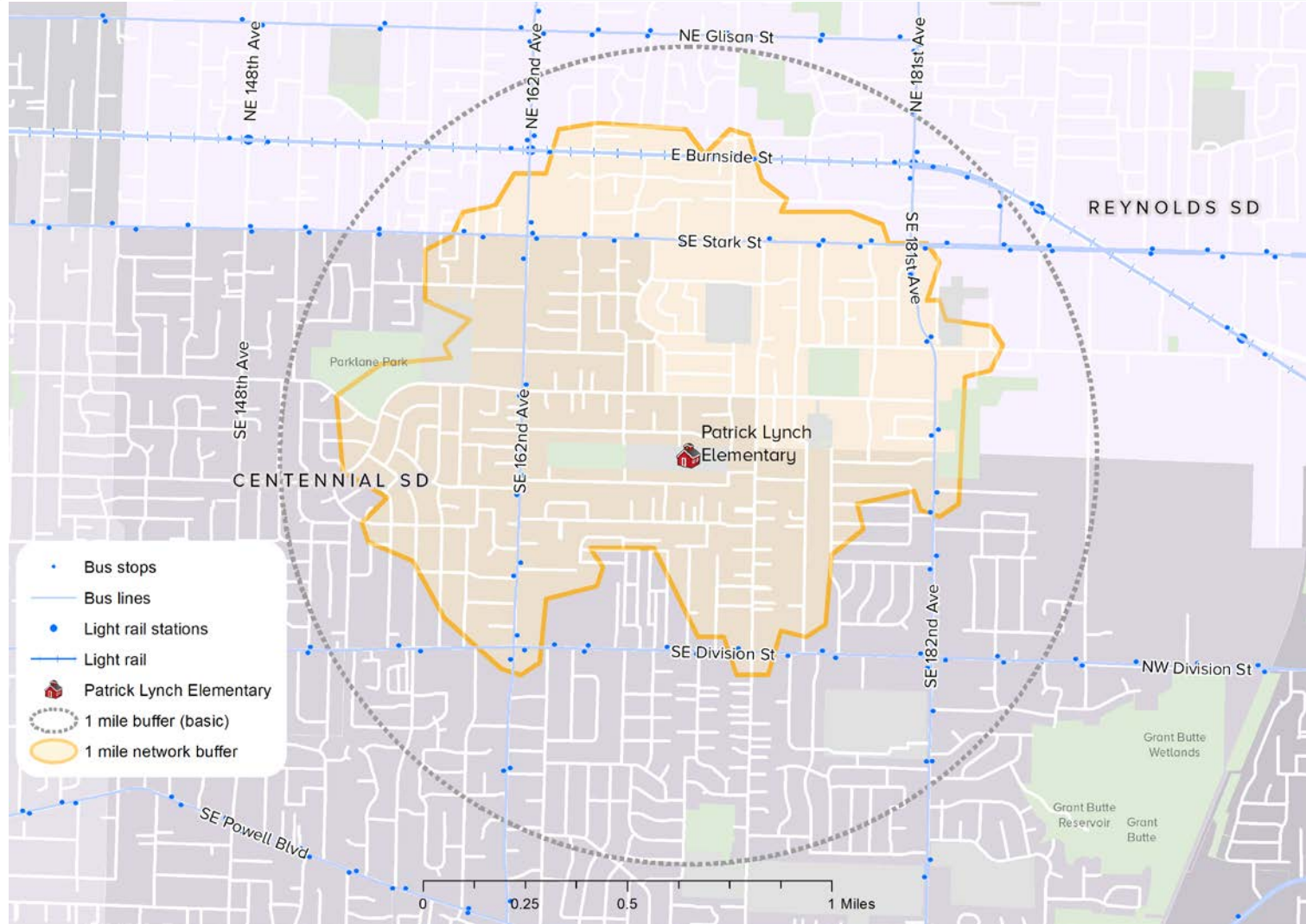
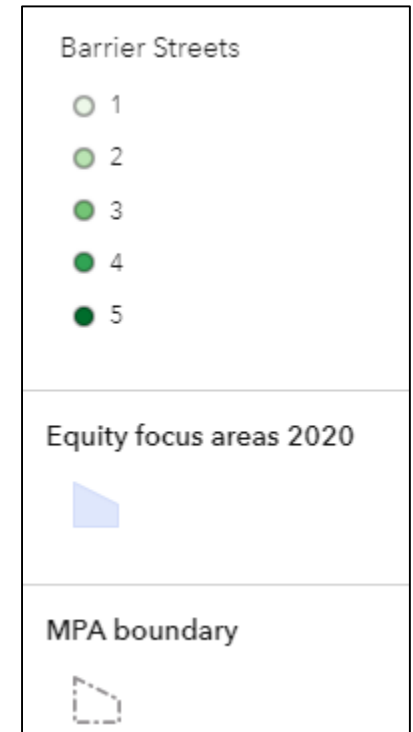# Refinement from Network Analysis approach
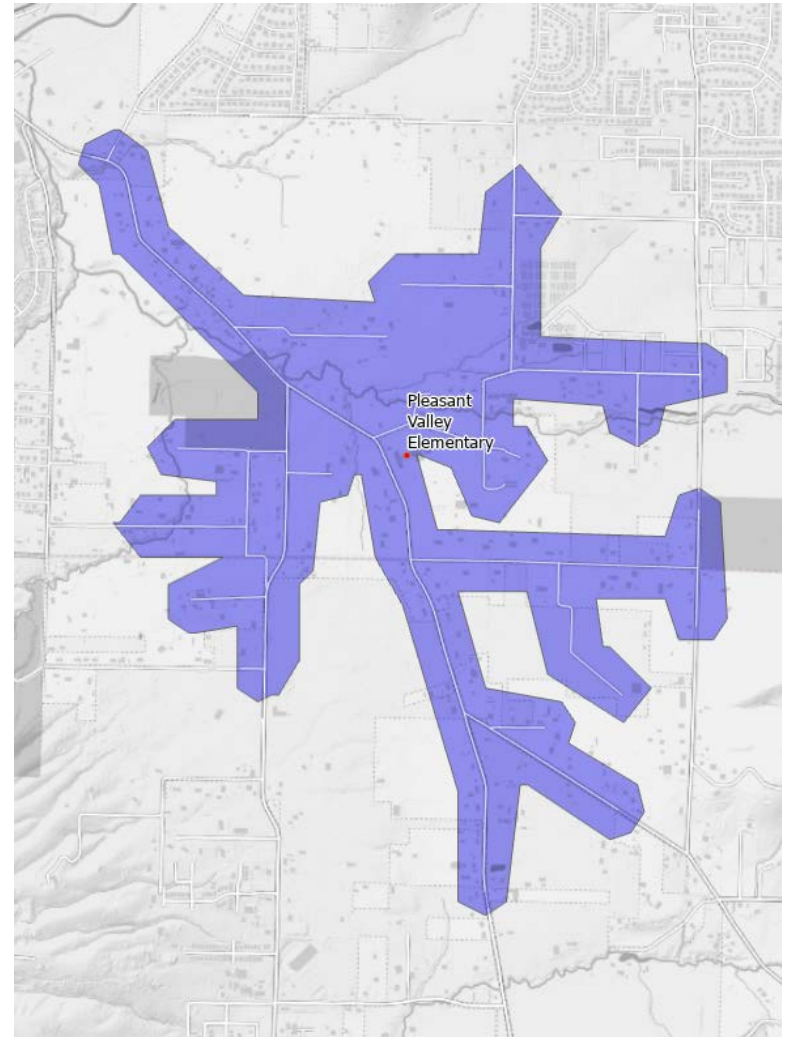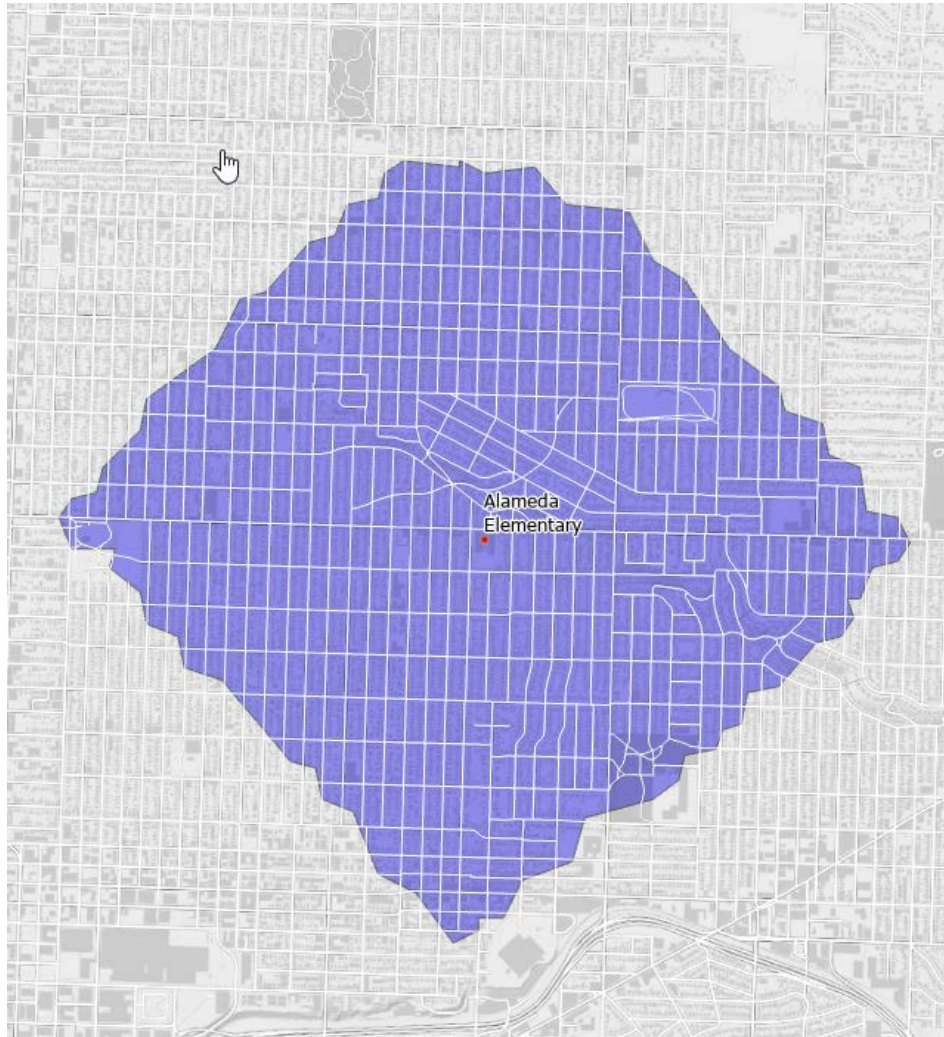
Updated methodology & new variables

	Variable	Description	Data Source
Equity	1.) Absenteeism (new)	Percent of students chronically absent (students missing 10% or more school days)	ODE – ODOT SRTS (2020-2021)
	2.) BIPOC students	Percent students of color	ODE – ODOT SRTS (2020-2021)
	3.) Disability (new)	Percent of students with a disability	ODE – ODOT SRTS (2020-2021)
	4.) English Learners (new)	Percent of students speaking English as a second language	ODE – ODOT SRTS (2020-2021)
	5.) Income	Percent of low-income students	ODE – ODOT SRTS (2020-2021)
Safety	6.) Barrier Streets	Miles of streets within school walkshed considered a barrier (>2 lanes OR > 35 mph, OR >2,500 peak PM traffic volume)	Metro (2015)
	7.) Crashes	Crashes within school walkshed calculated using Metro High Crash Corridor methodology: (All fatal and serious injuries within school walkshed x 10 + all bike/ped collisions x 3) (new methodology)	Metro/ODOT (2016-2020)
	8.) Missing Sidewalks	Percent of non-freeway streets with sidewalks (one or both sides) within school walkshed*	Metro (2022)

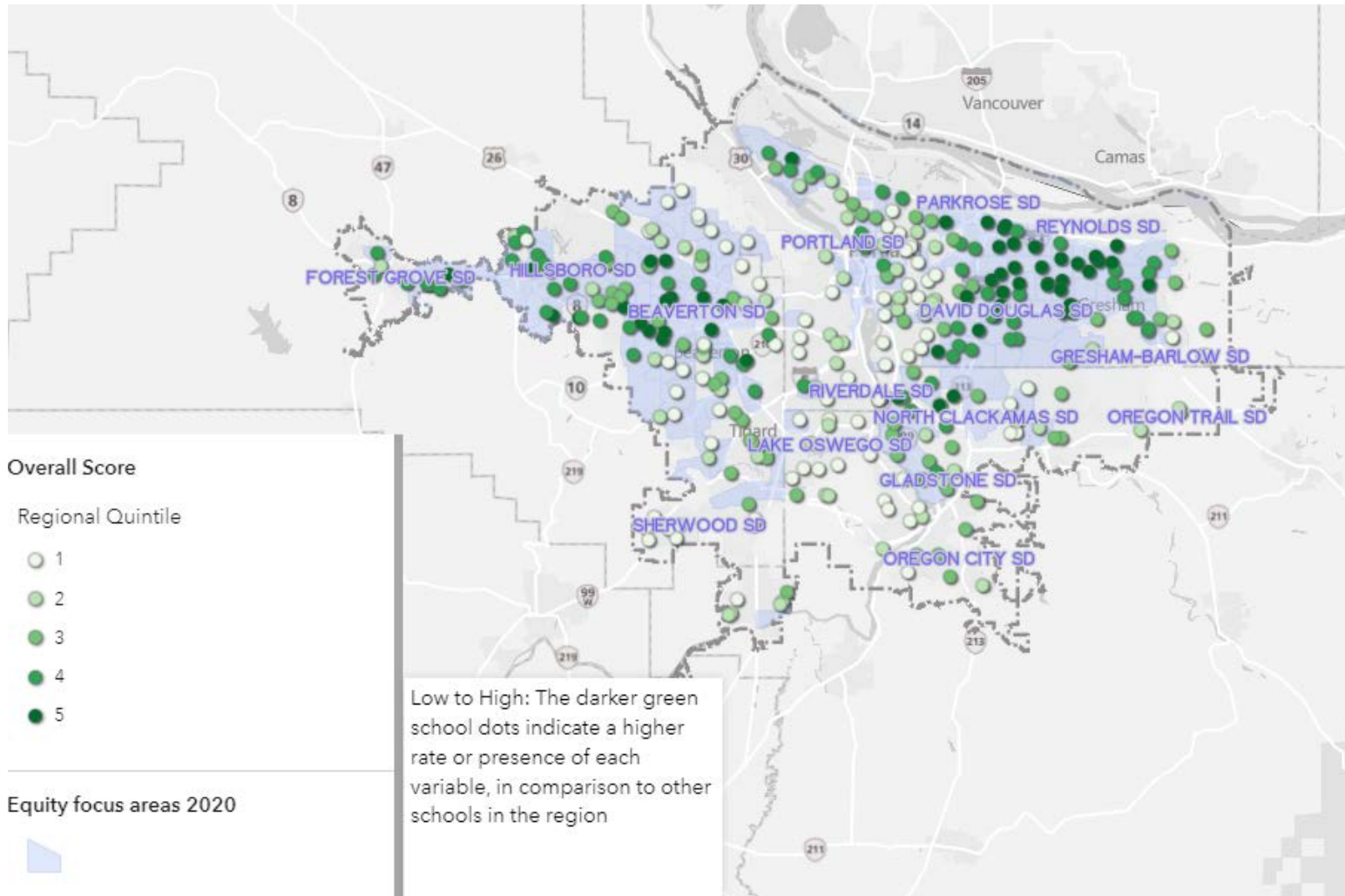# Data analysis: School quintile scores

All schools in the region were placed into quintiles (equal groups of 5) based on data for each of the 8 variables.

Each school was also given an 'overall quintile score: an average of all variable scores
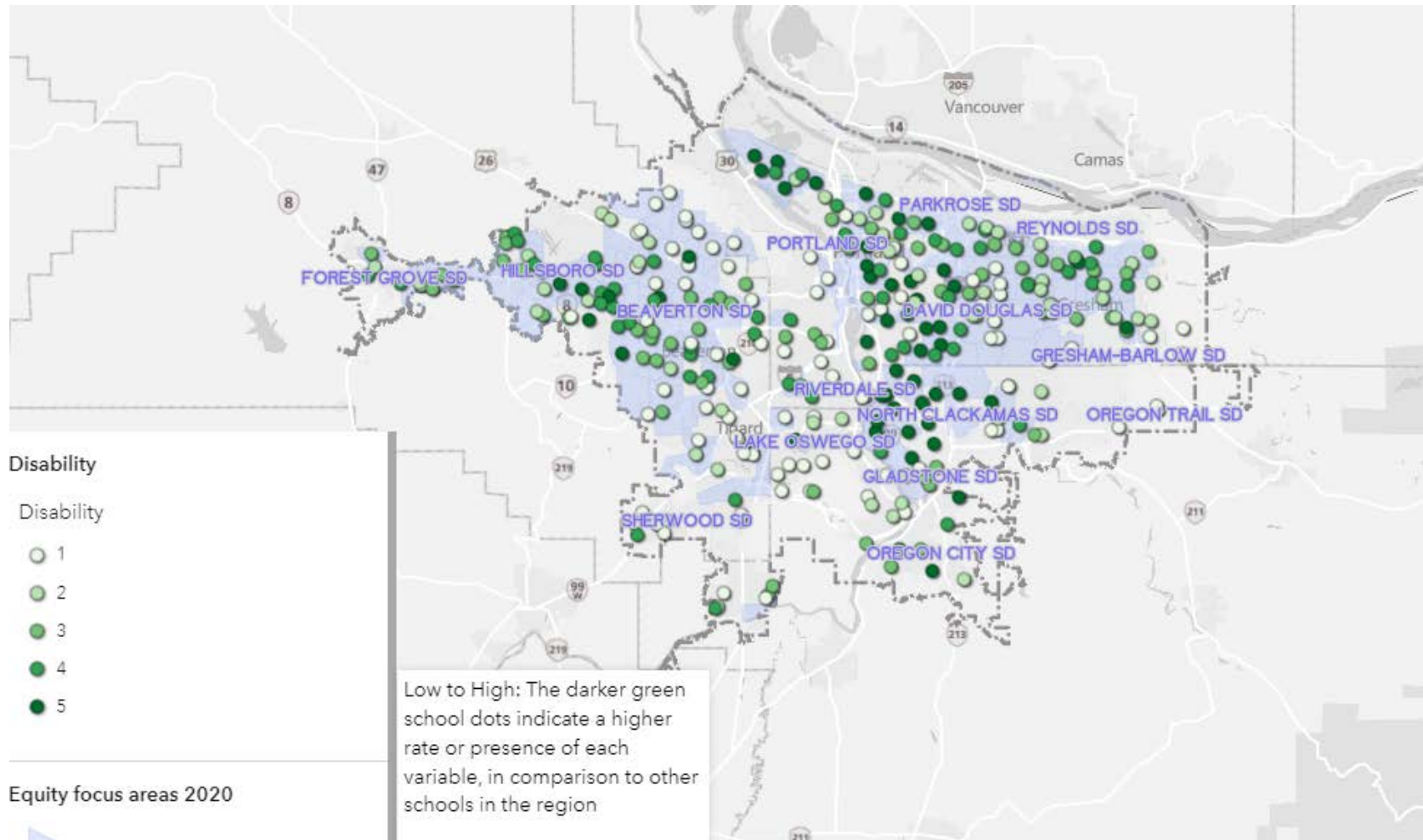
A higher quintile score means the school has a higher presence of that variable compared to other schools
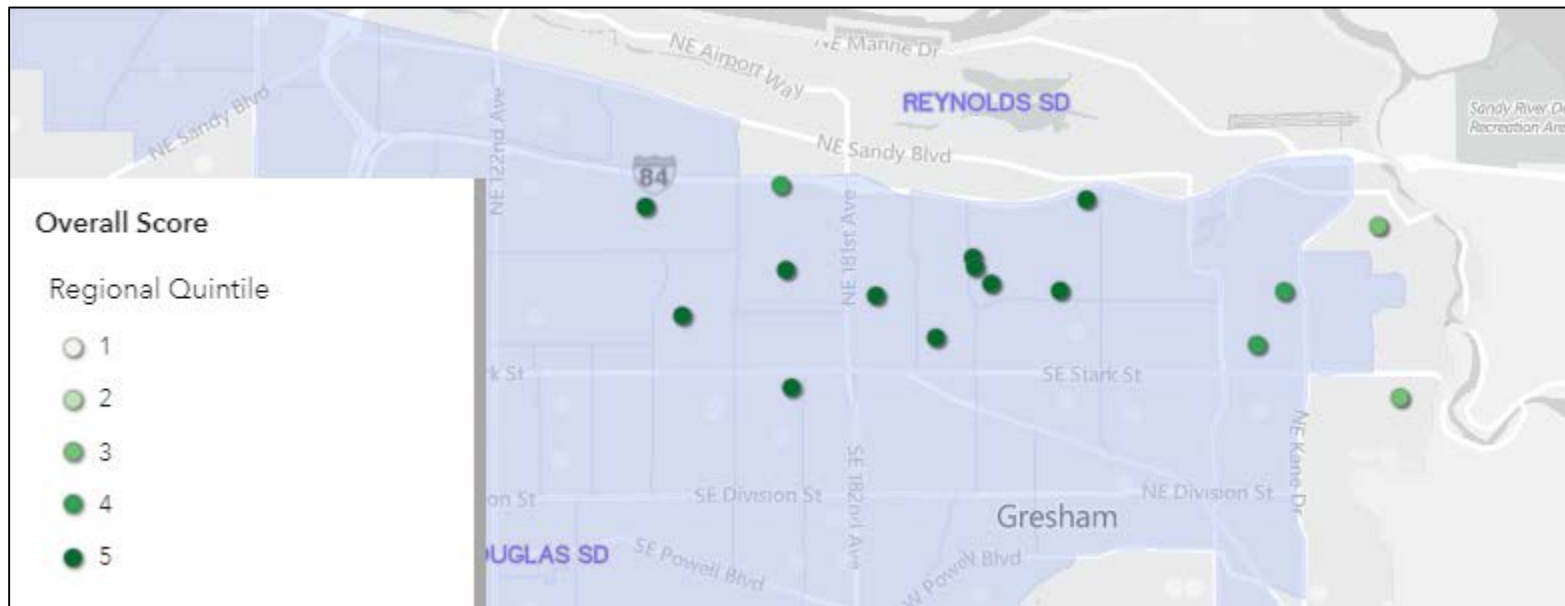
Barrier Streets
- ○ 1
- ○ 2
- ● 3
- ● 4
- ● 5

Equity focus areas 2020

MPA boundary

Viewing the data regionally

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Viewing the data regionally by variable

Disability

Disability

○ 1
○ 2
○ 3
● 4
● 5

Equity focus areas 2020

Low to High: The darker green school dots indicate a higher rate or presence of each variable, in comparison to other schools in the region

Viewing regional scores locally
Example: Reynolds School District

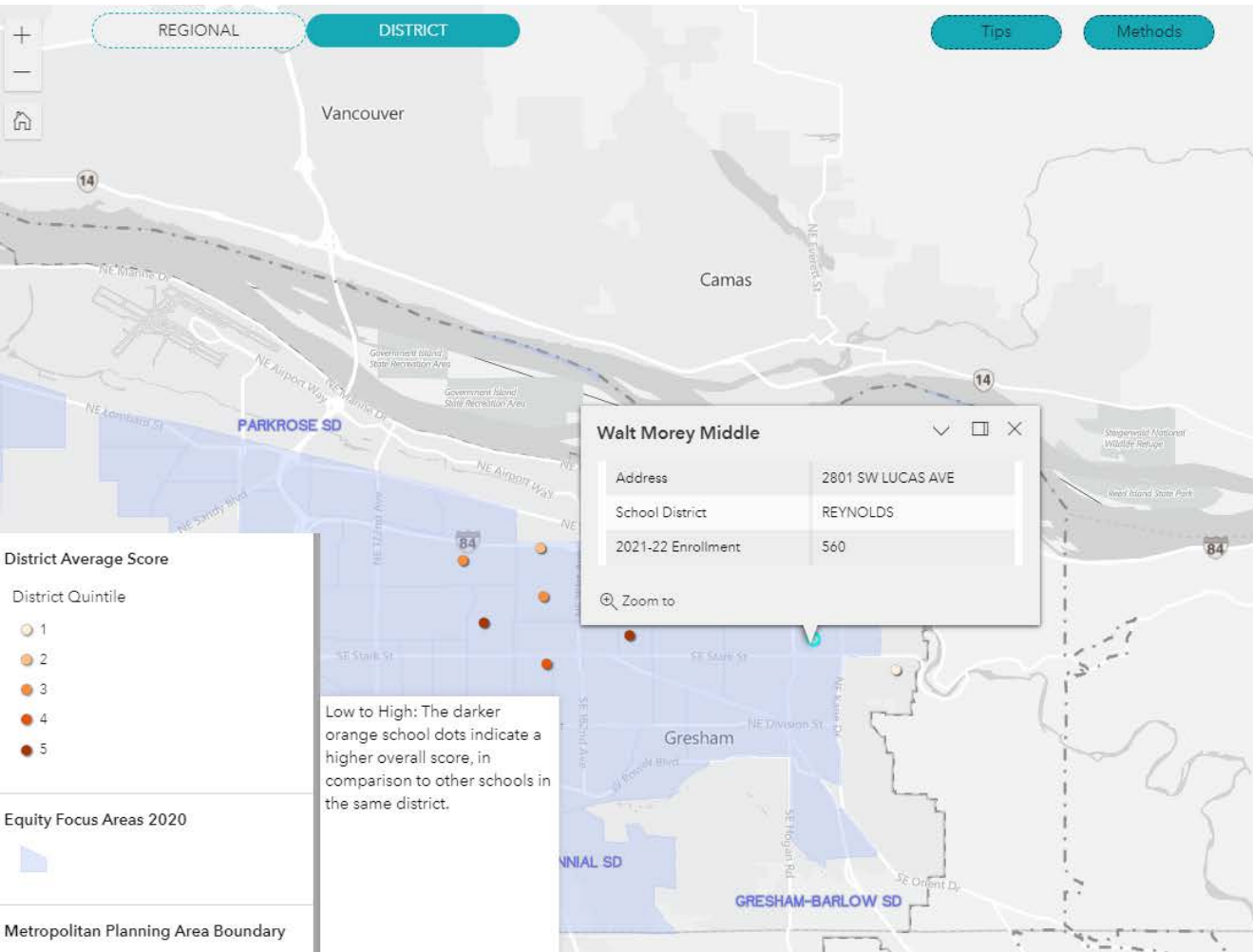# Viewing district level scores
Example: Reynolds School District
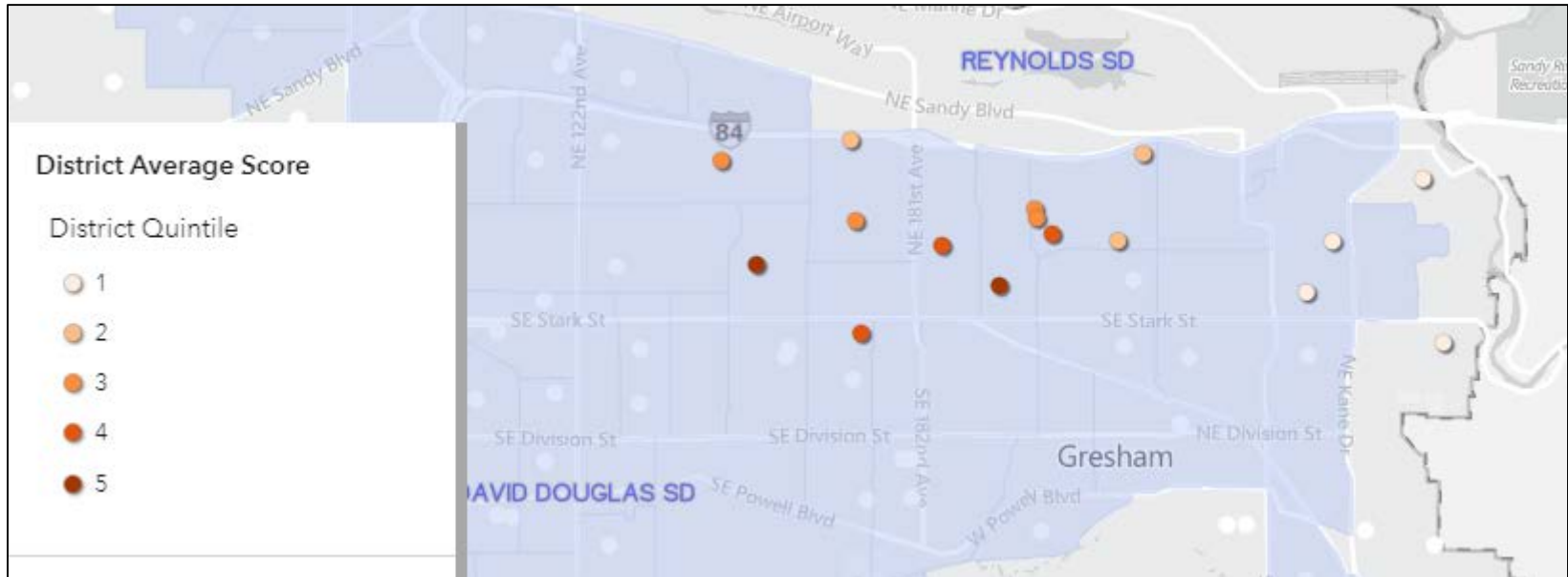
Viewing individual school data
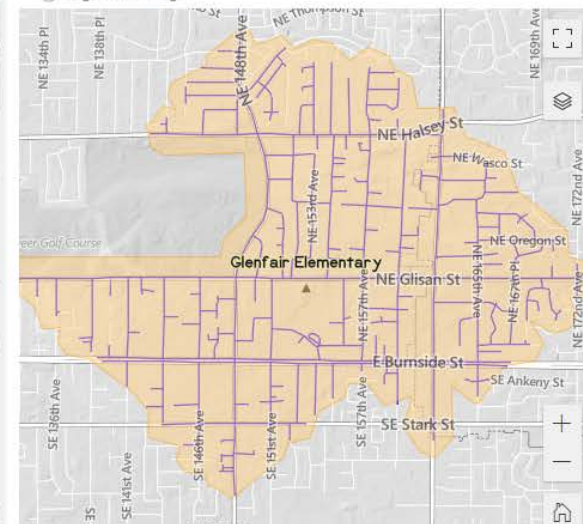
Viewing individual school data

New interactive map tool

https://gis.oregonmetro.gov/schoolwalksheds/

oregonmetro.gov