

Tacoma Equity Index



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Agenda

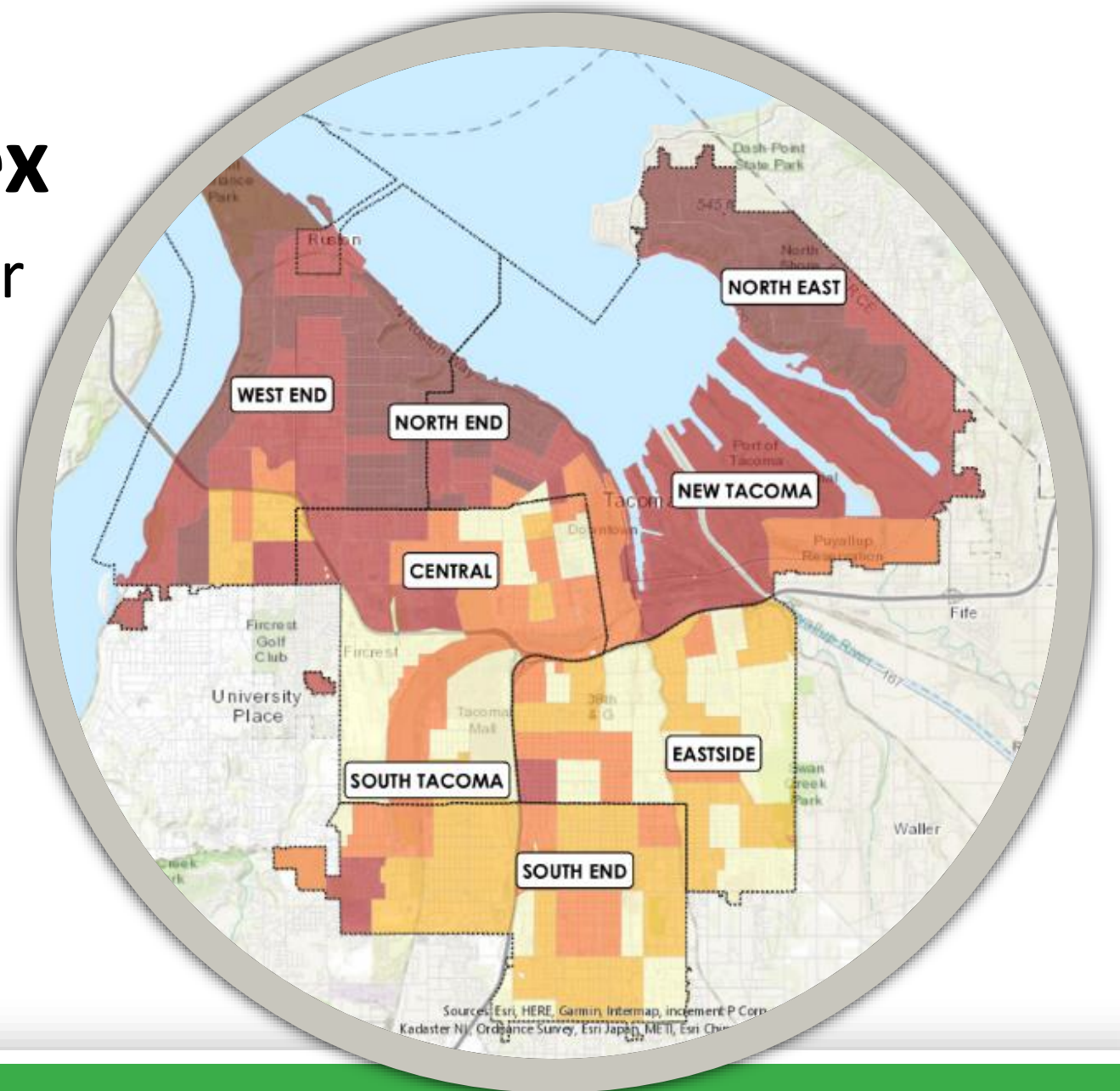
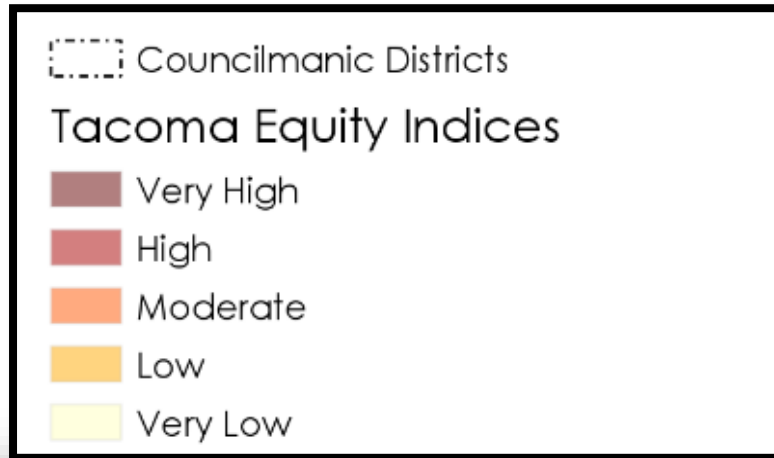
- What's New
- Overview of the Equity Index
- Equity Index In Action
- What's Next

What's New in the Update?

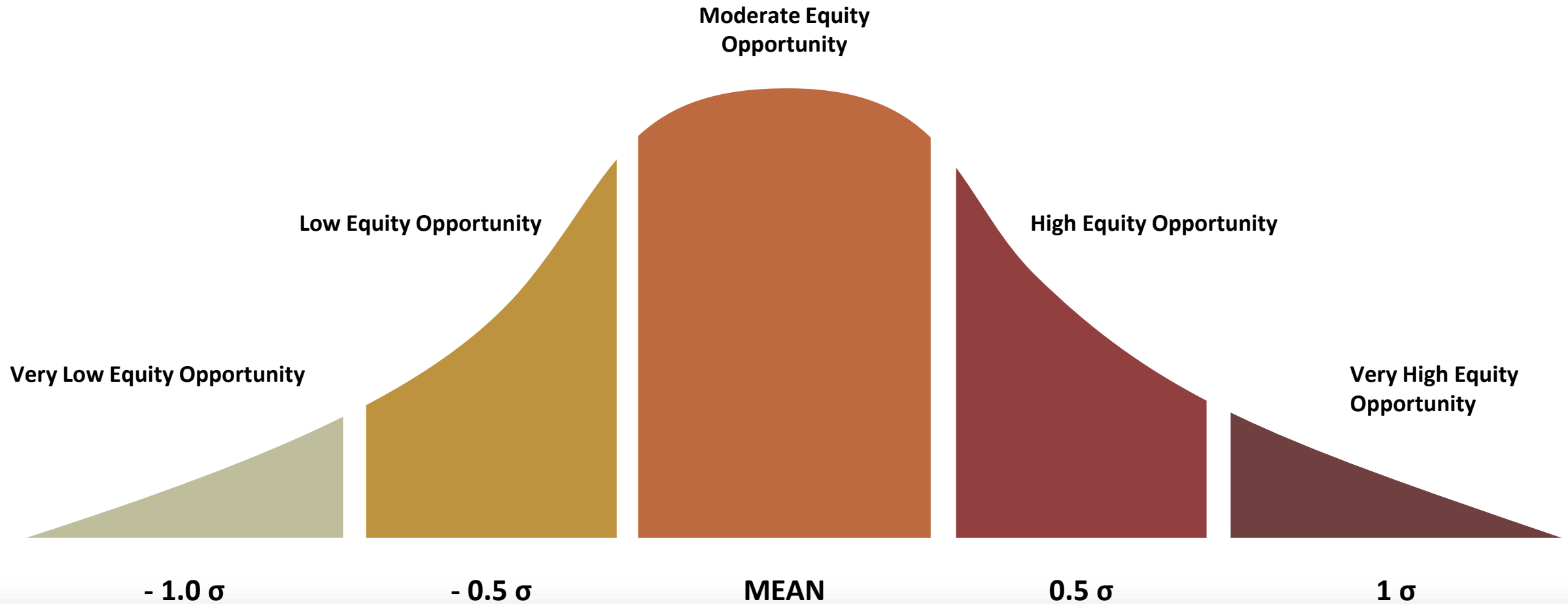
- User interface changes to the self-service tool be easier to use
- Updated datasets from the original 2018 map
- 9 new environmental indicators, creating a 5th scored determinant category
- New equity map layers for TPU water service area, Power service area, and combined service area
 - County Level Index coming later this year

Tacoma Equity Index

- Highlights areas of higher and lower opportunity
- Guides equitable service delivery and resource allocation







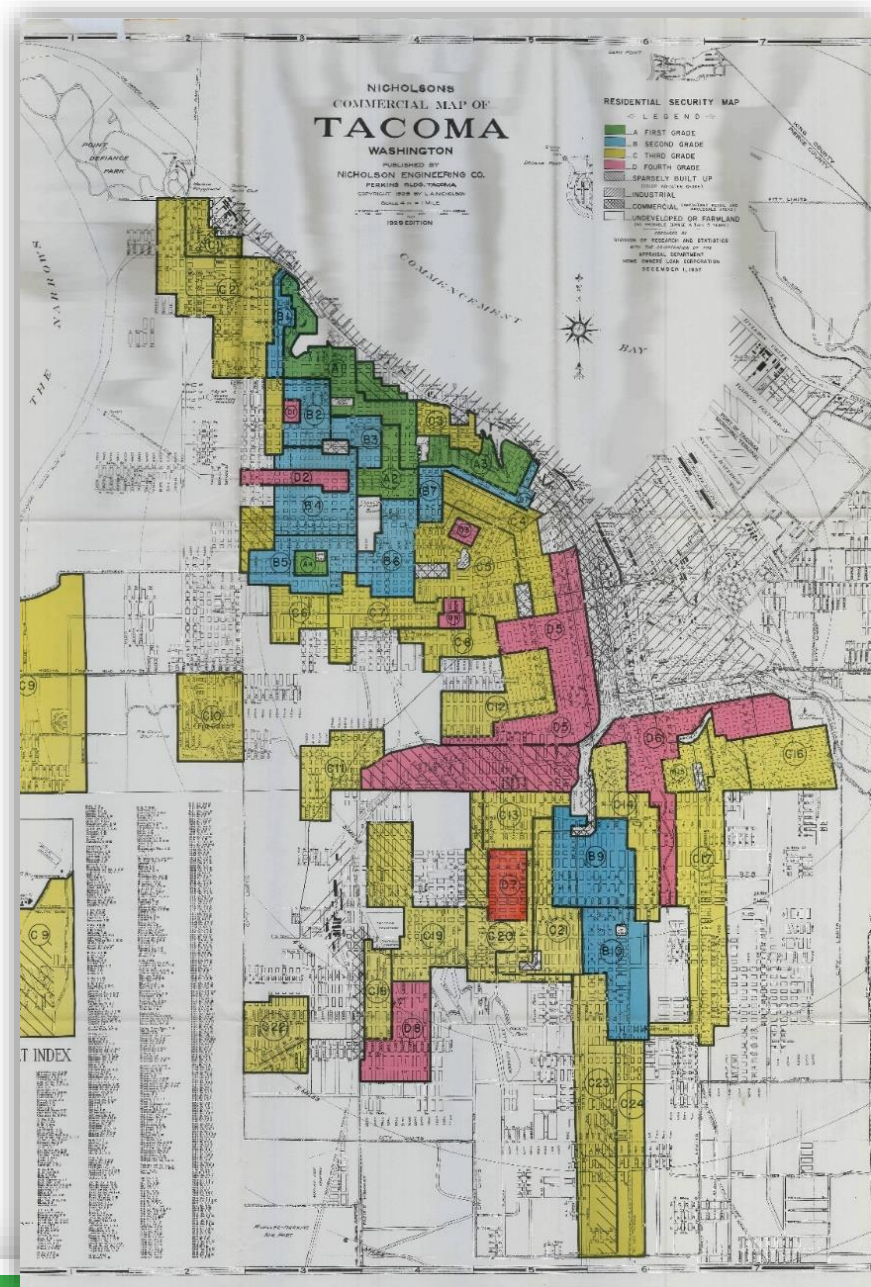
Distribution of Data



Redlining History





HOLC Grade

-  A "Best"
-  B "Still Desirable"
-  C "Definitely Declining"
-  D "Hazardous"



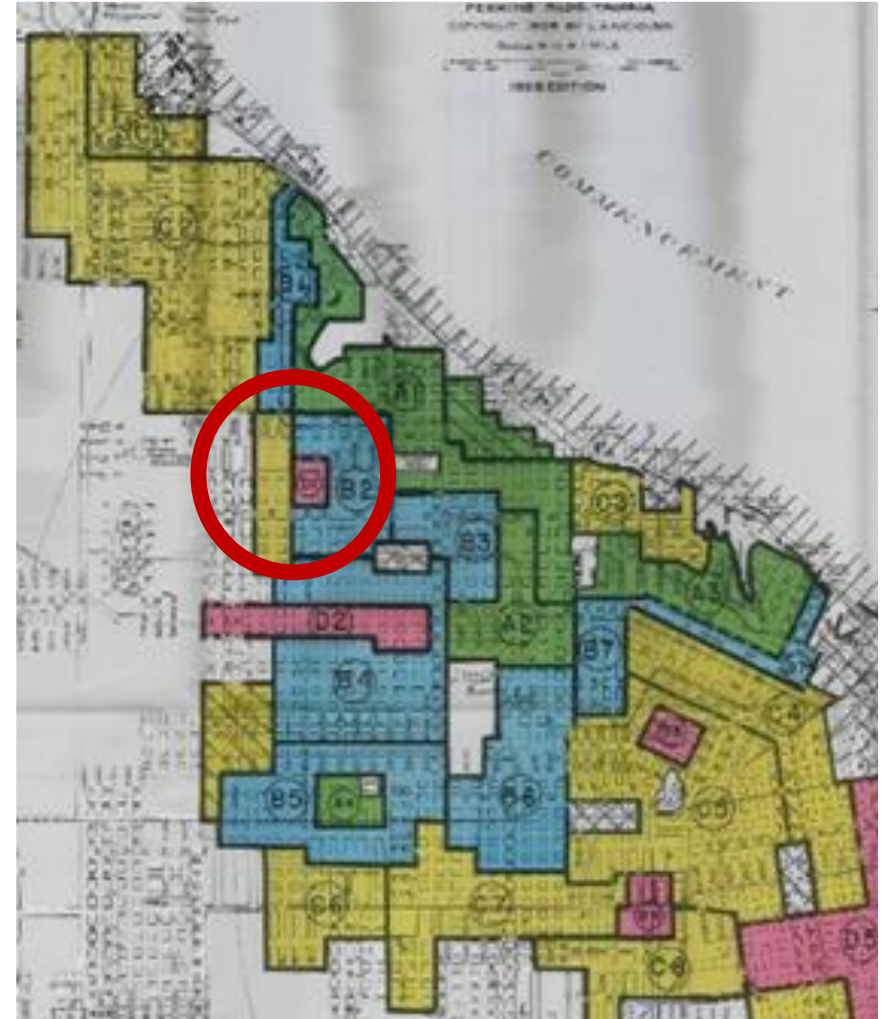
Home Owners Loan Corporation Assessment

HOLC Grade

-  A "Best"
-  B "Still Desirable"
-  C "Definitely Declining"
-  D "Hazardous"

“**Three highly respected Negro families** own homes and live in the middle block of this area facing Verde Street. While very much **above the average of their race**, it is quite generally recognized by Realtors that their presence seriously detracts from the desirability of their immediate neighborhood.”

- Mapping Inequality



Tacoma Equity Index Overview

Tacoma is an inclusive and equitable place to

Live, Learn, Work, and Play

- Equitable Service Delivery to All Residents and Visitors
- Commitment to Equity in Policy Decision Making



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What is the Equity Index?

- An Index is a composite of indicators that produces a single calculation which can be scored.
 - Compare
 - Contrast
 - Measure
 - Standardize
- The Equity Index helps identify disparities and communities of concern within the City.

What is the Equity Index?

- 29 Indicators by Determinant Categories
- 197 Scored Census Blocks (City index)
- 5 Equally Weighted Determinant Categories based on our strategic priorities
- Racial Demographics Overlay

Tacoma 2025 Goal Areas



Livability



Economy & Workforce



Education



Civic Engagement



Accessibility & Equity

- Parks and Open Spaces
- Access to Healthy Food
- Average Road Condition
- Home Internet (Digital Access)
- Voter Participation
- Transit Options

- Nuisance
- Crime Index
- Median Home Value
- Housing Cost Burden
- Average Life Expectancy
- Urban Tree Canopy

Livability

Education

- Student Mobility Rate
- 4-Years High School Graduation Rate
- Average Student Test Rate
- Percent of 25+ with Bachelor Degree or More

Accessibility

Economy

Environmental Health

- Employment/Job Index
- Unemployment Rate
- Median Household Income
- 200% of the Poverty

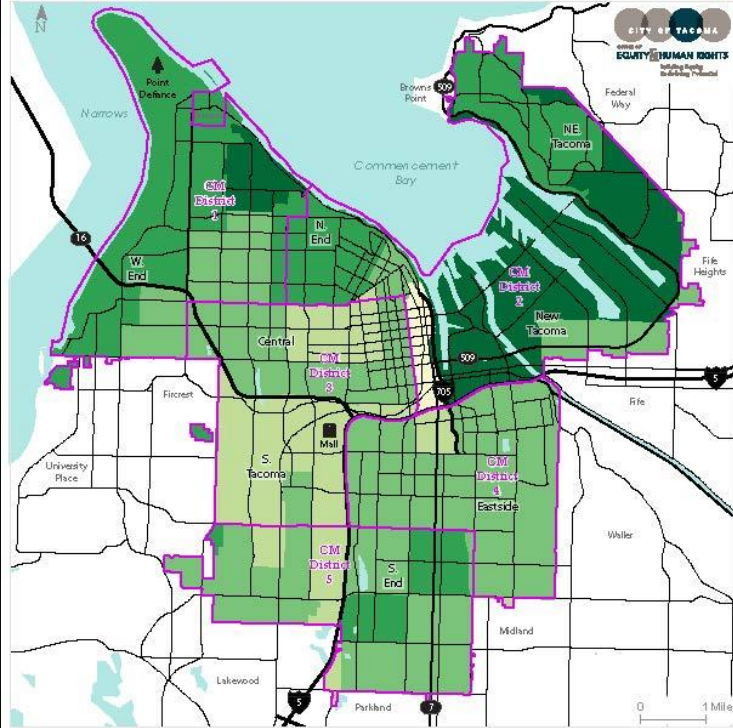
Exposure:

- Non-Diesel Emissions
- Ozone Concentration
- PM2.5 Concentration
- Population Near Heavy Traffic
- Toxic Releases

Effects:

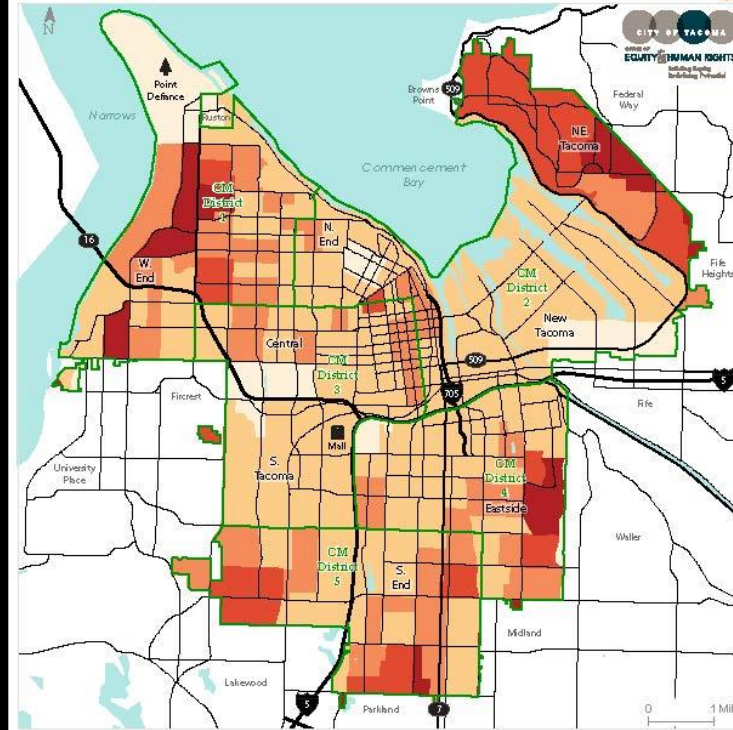
- Housing Lead Risk
- Proximity to Hazardous Waste Treatment Storage/Disposal
- Proximity to Superfunds
- Proximity to Risk Mgmt Facilities

Tacoma Average Life Expectancy



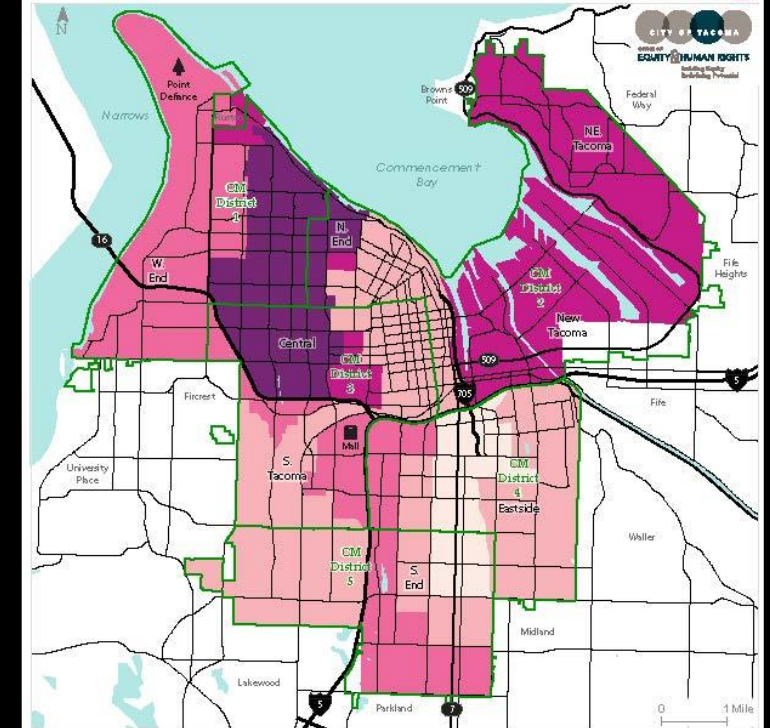
Source: U.S. Small-area Life Expectancy Estimates Project - 2010-2015 Averages

Tacoma Average Road Quality



Source: City of Tacoma Department of Public Works

Tacoma 7th Grade Math Proficiency



Source: Washington State School Report Cards, Tacoma Public Schools Attendance Zones



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What Can the Equity Index Do For You?

There are a wide variety of things the equity index can do to help with your work

Prioritize Funding

Prioritize New Installations

Schedule Asset Repairs

Grant Allocation

Policy Analysis

Identify Service Gaps

Loan Distribution

Resource Planning

Outreach

COVID Relief Distribution

Advocate for Businesses

Identify Service Impacts

Prioritize Services

Planning

Budgeting

Propose New Programs

Racial Equity Action Plans

Program Justification



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What Can the Equity Index Do For You?

Menu Options

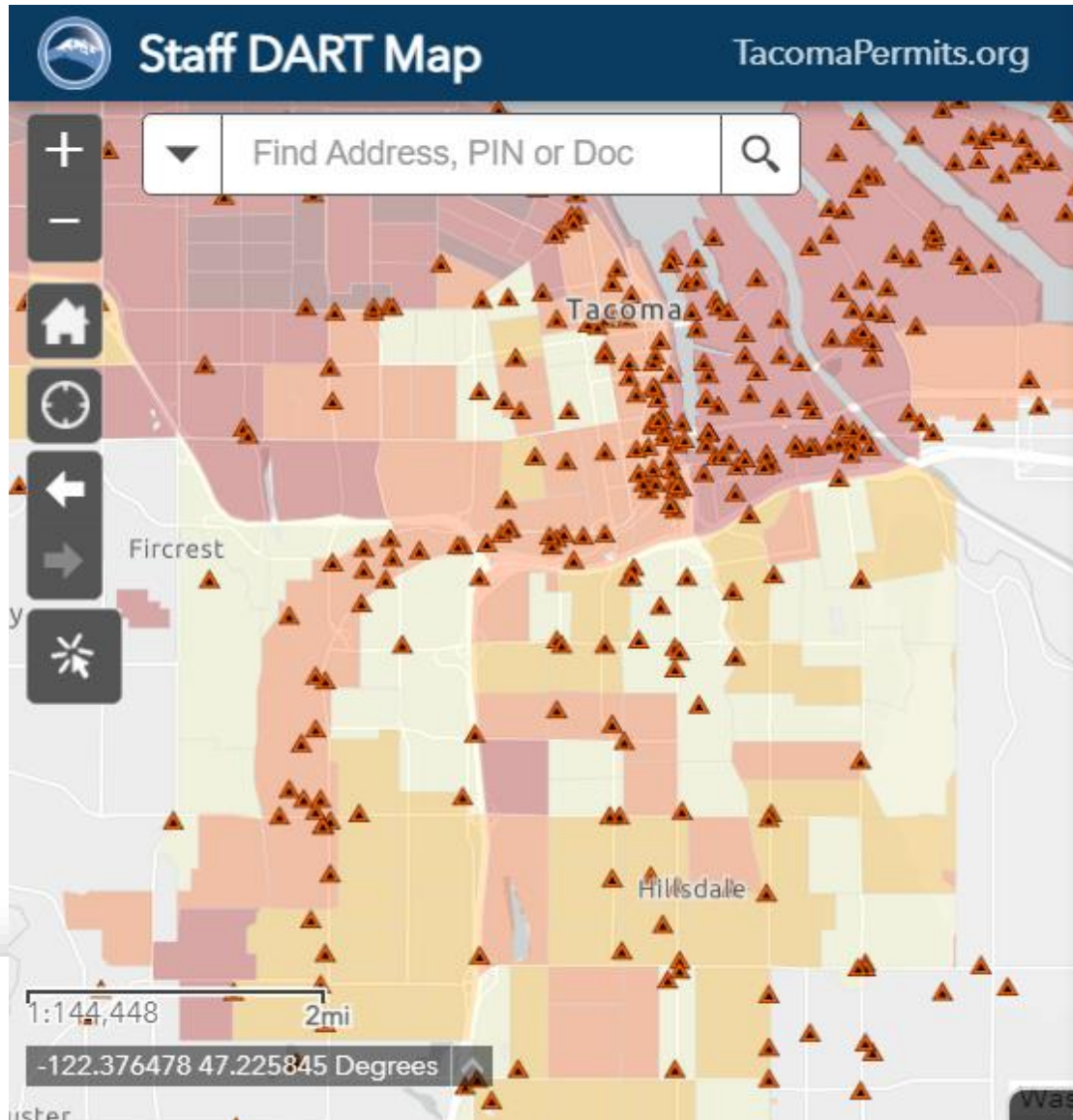
Usage	Description	Best Use	Effort
Use Index As-Is	Use an existing tool to view the data for your own analysis or have GIS create a simple web or pdf map	Identify where your data falls in the equity index	Small
Combine Index with Your Data	Add the index scoring to your data for viewing in a table or map format	Prioritize and make decisions	Medium - Large
Make changes to Index	Add your data to the overall index when the equity index is next updated (every 2-3 years)	Provide additional data that influences overall equity and decision making	Very Large



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Use Index As-Is – Self Service



Layer List

Layers

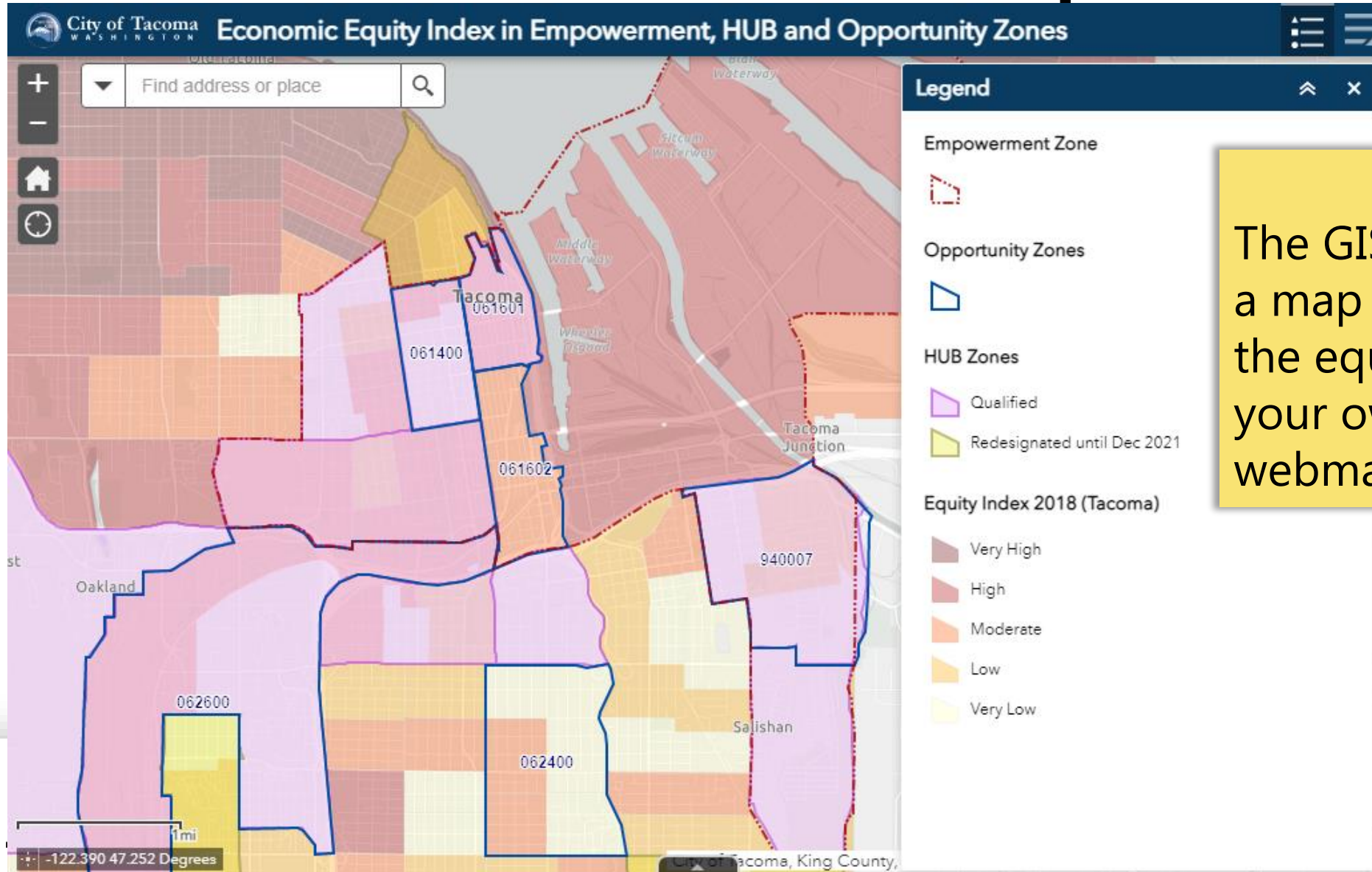
- ☒ Contaminated Sites (Ecology)
- ☐ Tacoma Overlay Data
- ☐ Councilmanic Districts
- ☒ Tacoma Equity Indices
- ☐ Tacoma Accessibility Index
- ☐ Tacoma Parks & Open Space Index
- ☐ Tacoma Healthy Food Access for Groceries
- ☐ Tacoma Transit Options & Access Index
- ☐ Tacoma Average Road Quality
- ☐ Tacoma Voter Participation of Registered Voters

Self Service Analysis

Make your own maps using the DART Staff mapping app by using the equity index as a basemap for your data. Use the overall equity index or some of the supporting indices

DARTstaff.cityoftacoma.org

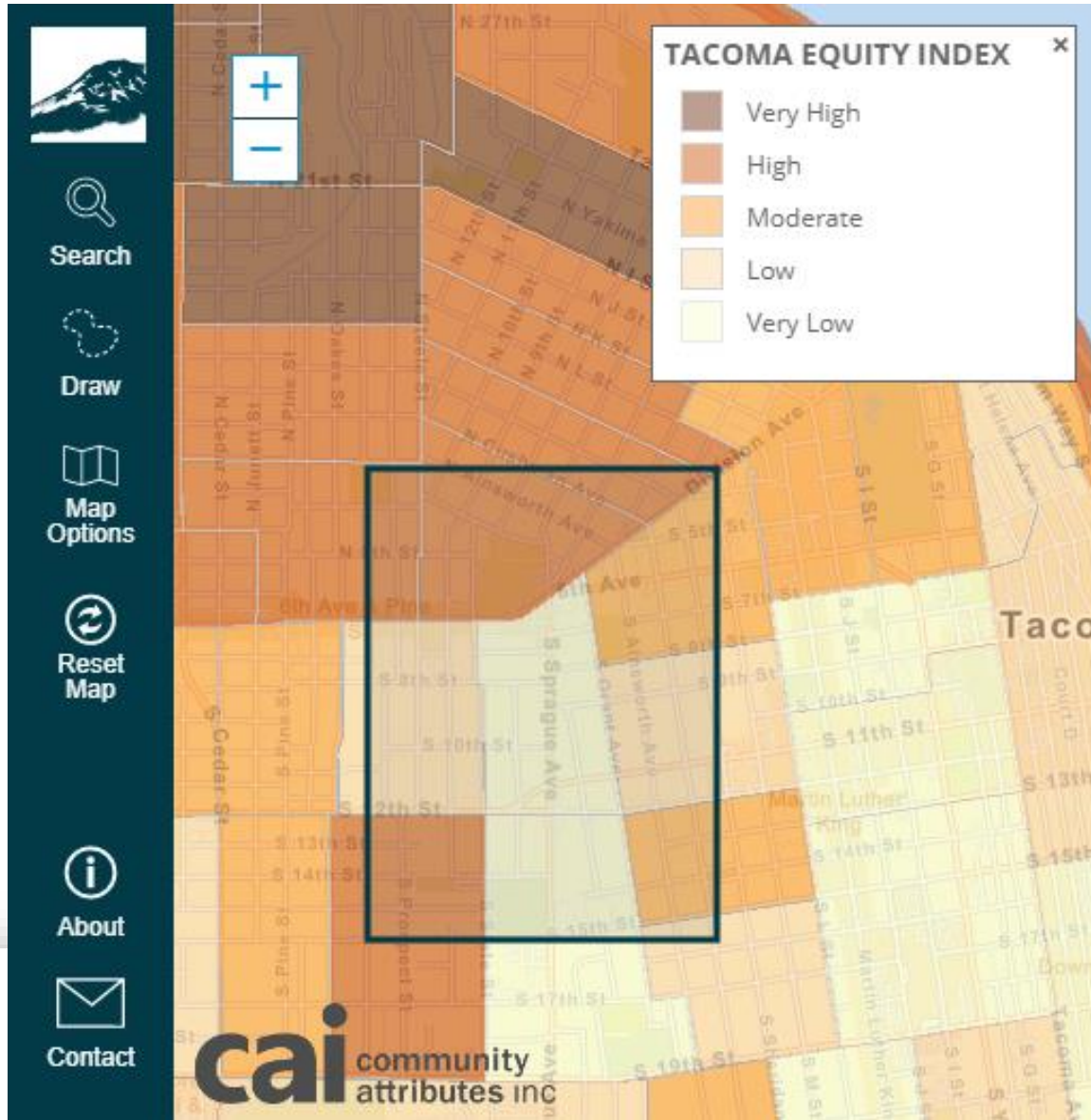
Use Index As-Is – Basic Map



Basic Map

The GIS team can create a map for you to view the equity data with your own data with a webmap or pdf

Use Index As-Is – Self Service



► DISTRIBUTION OF DATA WITHIN TACOMA



TREE CANOPY
COVERAGE 
16%

LIFE EXPECTANCY 
76
Years

<https://caimaps.info/tacomaequitymap>

MEDIAN HOME VALUE

Sources: US Census Bureau, American Community Survey (ACS) 5-Year Estimates, 2013-2017; City of Tacoma Crime Reports & Service Requests, 2016-2017; Plan-It Geo, 2016; National Center for Health Statistics, 2016; Kinwin Institute, 2019

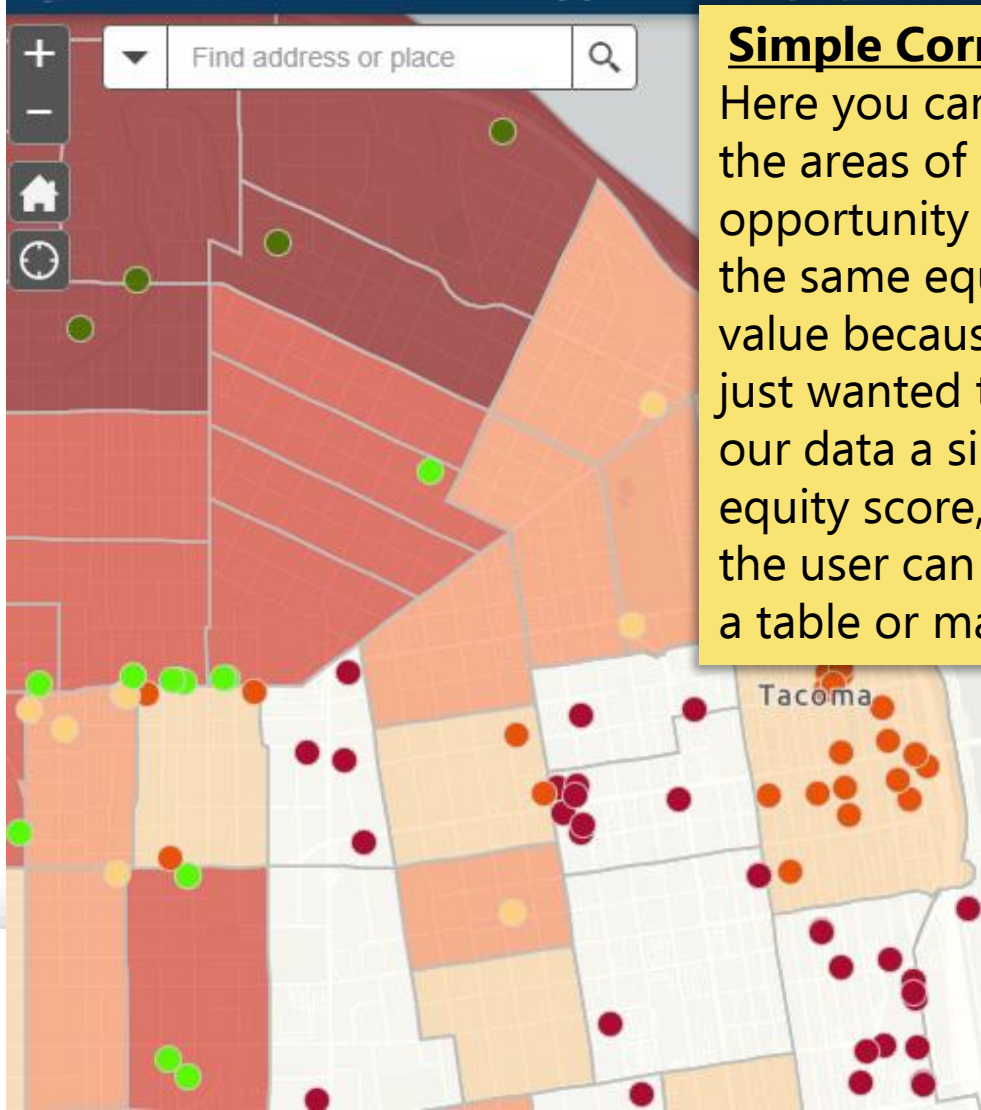
Self Service Analysis

The public equity application is also a resource for finding quick information and selecting an area will provide statistics about the overall and sub indicators

Combine Index with your Data

City of Tacoma
WASHINGTON

Grant - Loan Applicant & Equity Index

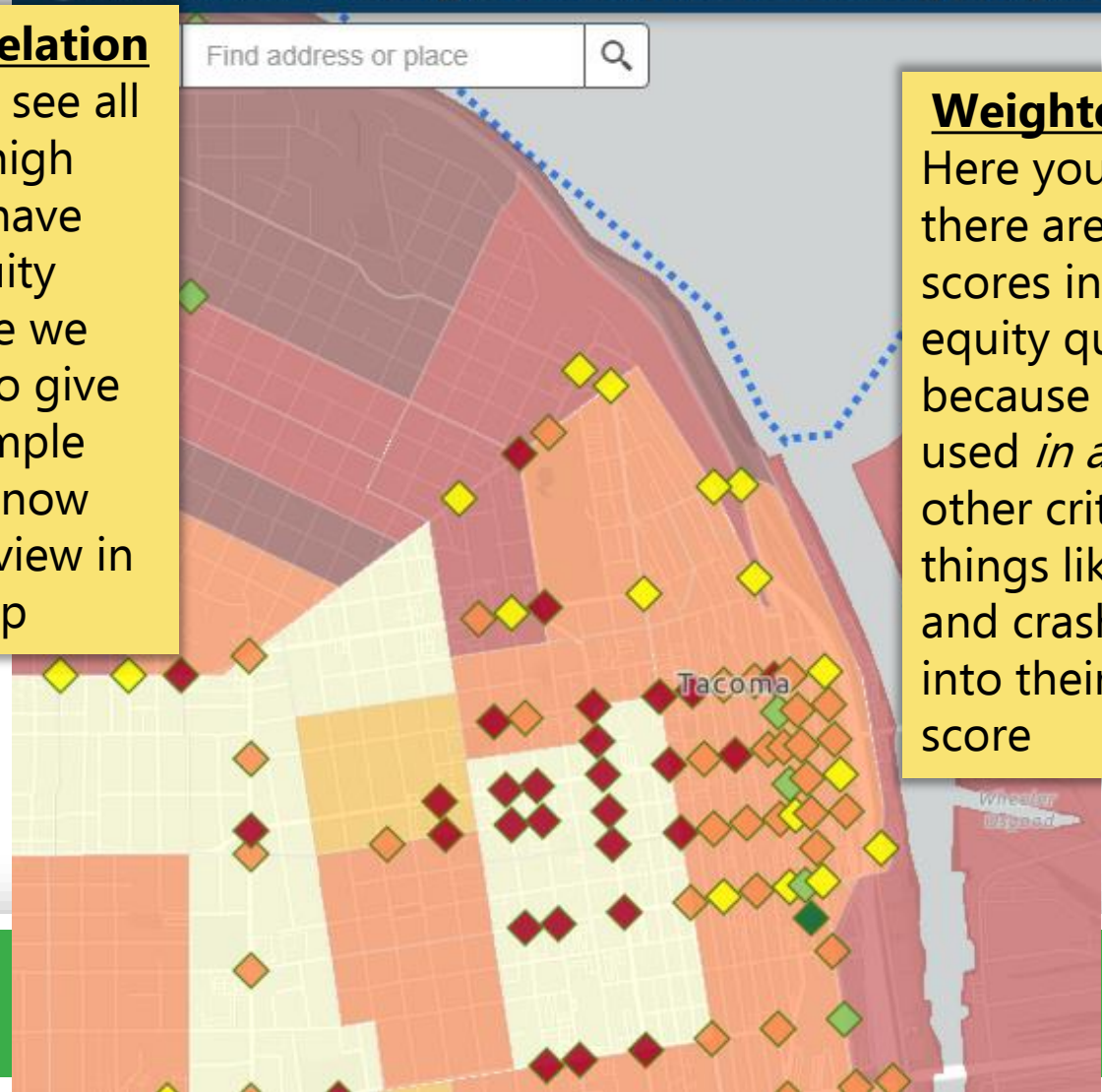


Simple Correlation

Here you can see all the areas of high opportunity have the same equity value because we just wanted to give our data a simple equity score, now the user can view in a table or map

City of Tacoma
WASHINGTON

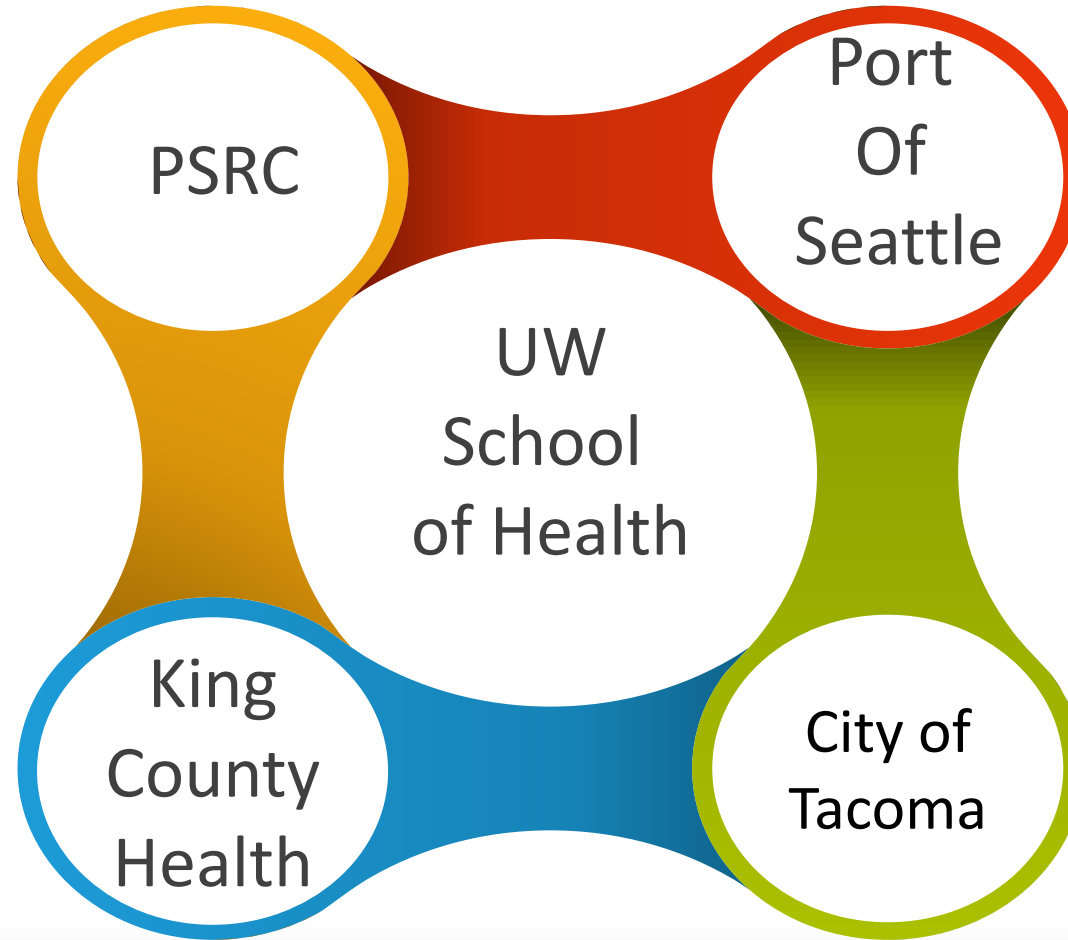
Leading Pedestrian Interval Scoring Analysis



Weighted Analysis

Here you can see there are a variety of scores in the same equity quantiles because equity was used *in addition* to other criteria. Here things like collision and crashes played into their overall score

Regional Equity/Opportunity Index



What's Next?

If you're ready to use the index:

- Incorporate index into program analysis, REAP Goals
- Use index to support Council Action Memos
- Use equity index for resource prioritization
- Let us know what you are working on, and your additional data needs

If you need additional support:

- Contact us for a consult

Thank You!



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www.CityofTacoma.Org/equityindex



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