sugar
ACCESS FOR ArcGIS
CONNECTING PEOPLE & PLACES

Challenges in Local Government

- Evaluating growth
- Dealing with negative perceptions (safety, sprawl)
- Retrofitting the city
- Staying competitive
- Communicating with data

Accessibility planning helps local governments connect residents and businesses with the destinations they care about… and this improves the city's bottom line.

Economic Development

Revenue Generation

Grant Fundraising

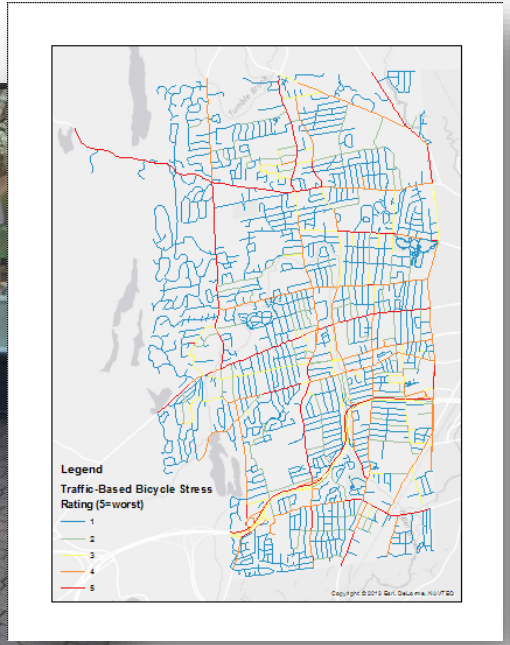
Regulatory Compliance

- Top factors for business location:
  - Access to transportation hubs
  - Access to universities
  - Access to hospitals
  - Labor force access
- Top factors for retail site selection:
  - Trade area size (e.g. population within 20 minutes)
  - Population characteristics of trade area
  - Site-level access: traffic, parking, transit, pedestrians?

- Receipts from property taxes are intrinsically linked to property values
  - Decreases in property values during the housing crisis affected city budgets
- Strong demand for housing in neighborhoods where residents can walk for daily errands
  - As much as a 5-8% or $3K lift from walkability
  - Robust across all demographic & income groups

Meet Kevin

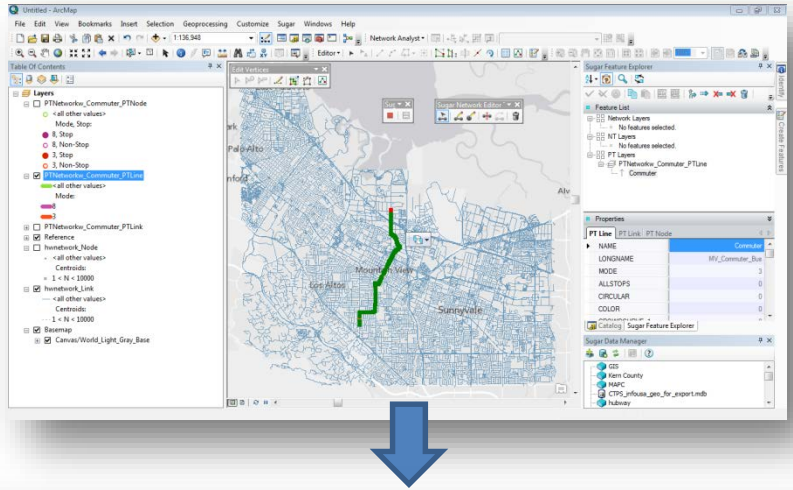
- Former competitive long-distance mountain bicyclist
- Now a volunteer for his town's bicycle advisory committee
- Kevin wants to bike his kids to school

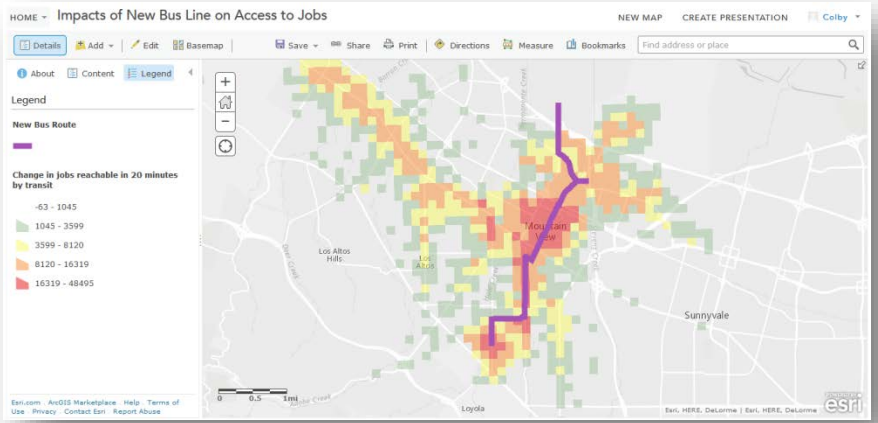


- All Federal funds come with requirements to demonstrate that money is being spent fairly
  - Title VI & Environmental Justice Executive Order
  - Social Inclusion (UK) / Equity & Inclusion (CA)
  - Areas of concern: historically disadvantaged populations (minority & low-income)
  - Disproportionate distribution of benefits / impacts
- Key issues:
  - Access to jobs & basic government services

Geodesigning accessibility:

- Create a new “what-if” scenario by coding a public transit line within ArcGIS for Desktop
- Evaluate the increase in jobs accessible via transit for residents without a car using cloud computing
- Share web-based maps with stakeholders





HOME ▾ Walk Acccess to Transit Stops in 20 Minutes

NEW MAP CREATE PRESENTATION Colby ▾

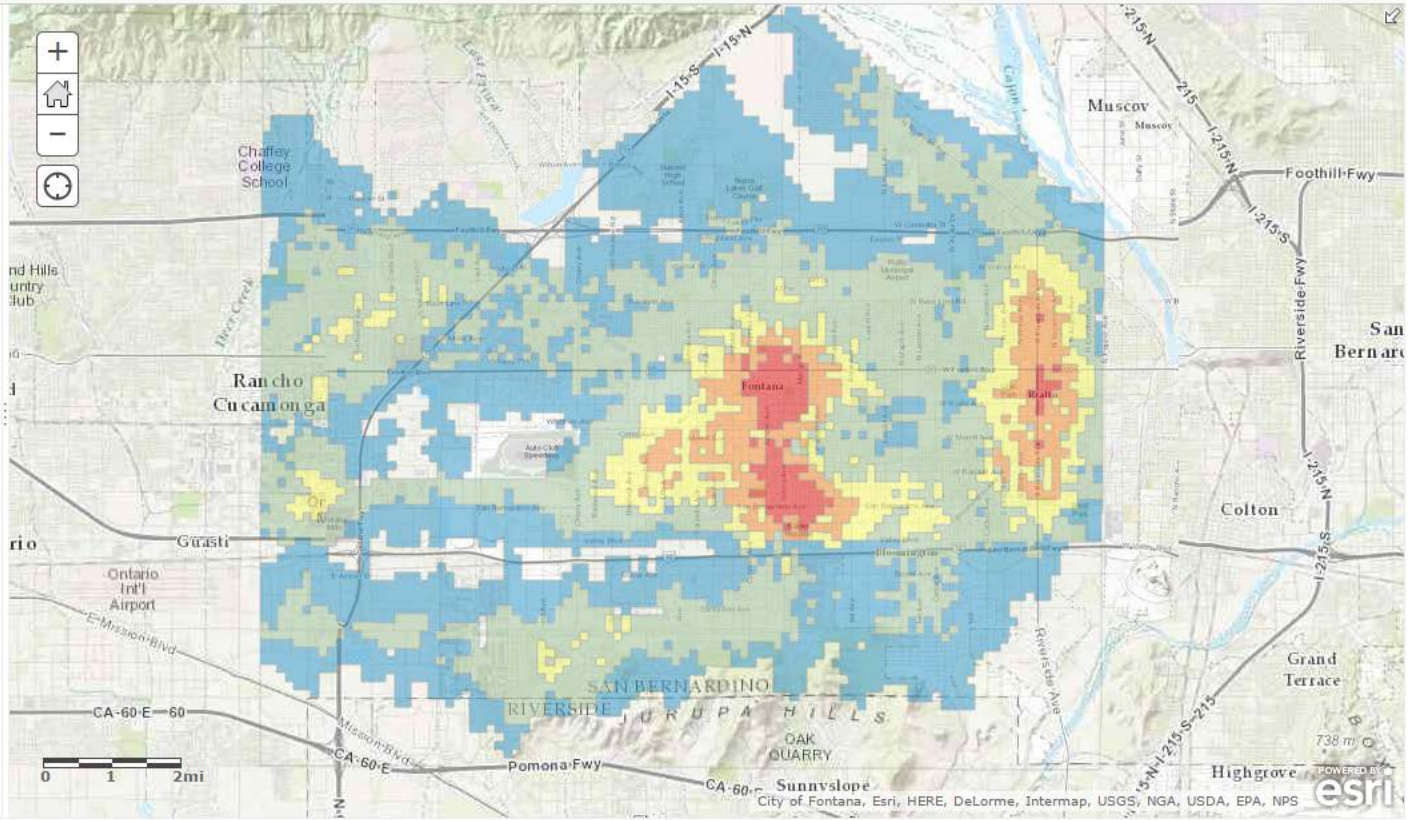
Details | Add ▾ | Edit | Basemap | Save ▾ | Share | Print | Directions | Measure | Bookmarks | Find address or place

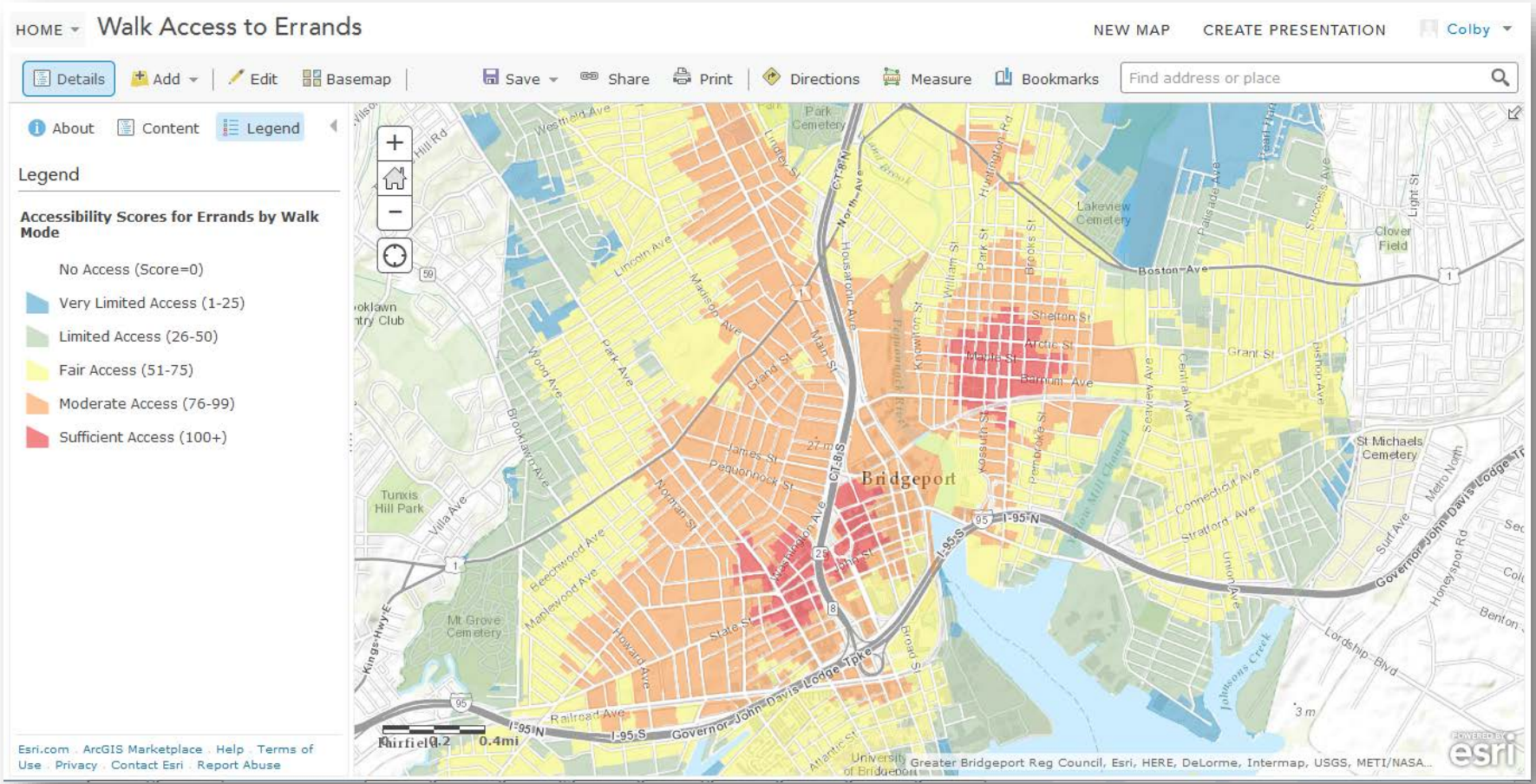
About | Content | Legend

Legend

Relative Access to Bus Stops in 20 minutes by Walk

- No Access
- 1-20: Worst
- 21-40: Worse
- 41-60: Average
- 61-80: Better
- 81-100: Best




HOME
Walk Access to Errands
NEW MAP
CREATE PRESENTATION
Colby
Details
Add
Edit
Basemap
Save
Share
Print
Directions
Measure
Bookmarks
Find address or place
About
Content
Legend
Legend
Accessibility Scores for Errands by Walk Mode
No Access (Score=0)
Very Limited Access (1-25)
Limited Access (26-50)
Fair Access (51-75)
Moderate Access (76-99)
Sufficient Access (100+)
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0.4mi
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A Perfect Partnership

With Sugar Access and your local knowledge, you can plan and build a more livable city.

THANK YOU
CITILABS