

Water and Sanitation Insecurity in an Urban Disadvantaged Unincorporated Community in Tampa, FL

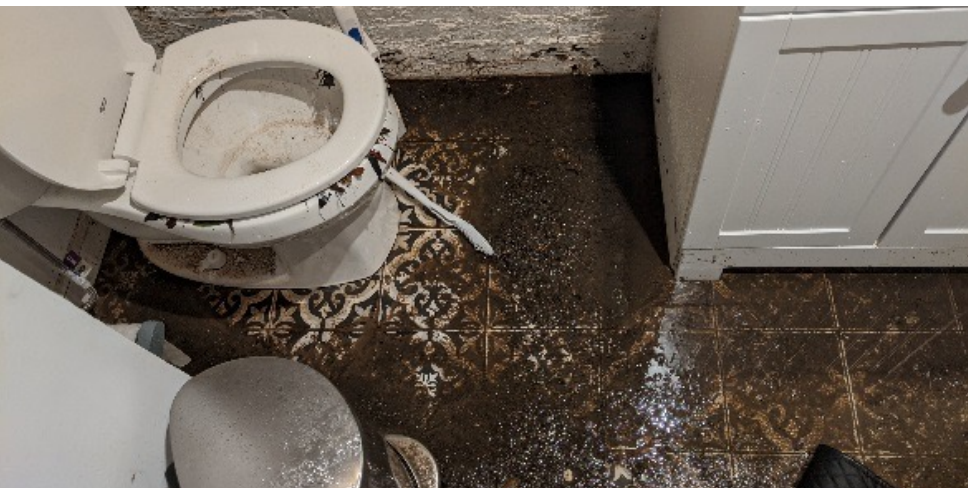
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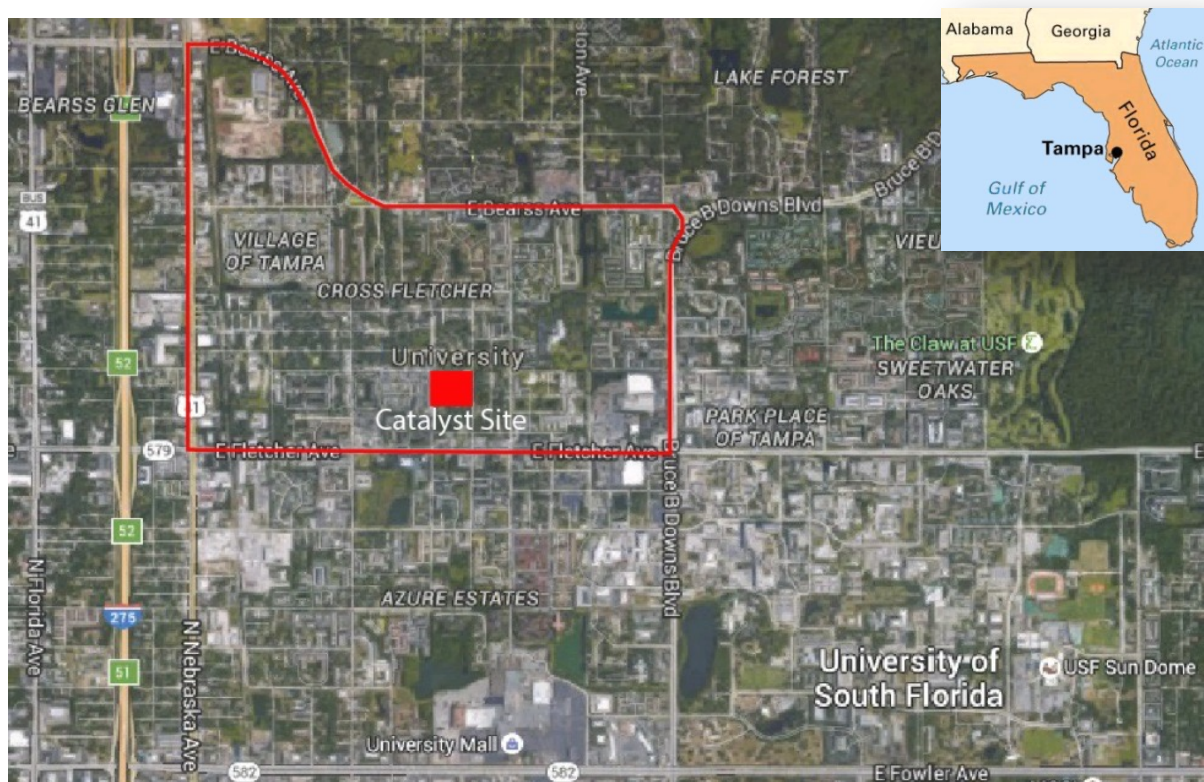


Risk Perception

Infrastructural Violence

Environmental Justice

University Area Community Tampa, FL

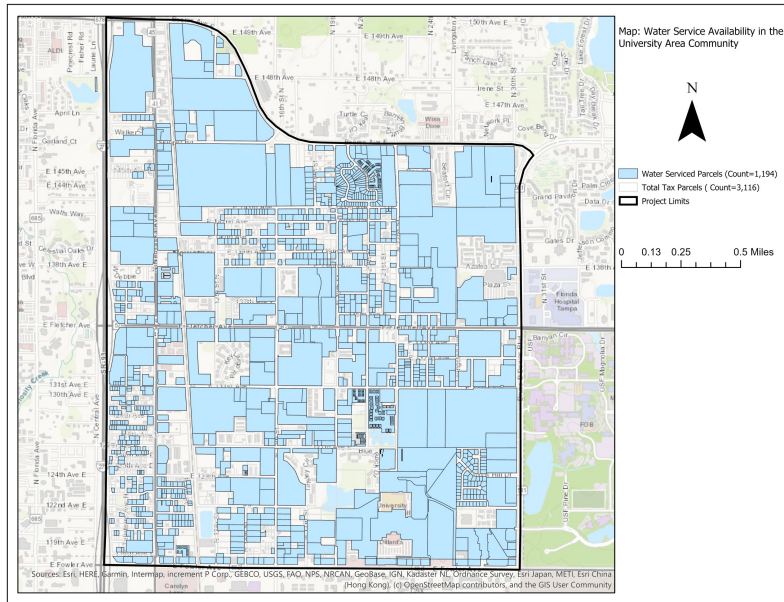


Characteristic	UAC ^{1,2,3,4}	City ^{2,4}	County ^{2,4}	State ^{2,4}	Nation ^{2,4,5}
Population	10,532	351,006	1,229,226	18,991,634	314,107,084
Per Capita Median Income	\$12,230	\$25,513	\$27,062	\$25,187	\$53,482
Percent Minority	74%	40%	29%	26%	37%
African American	33%	27%	25%	16%	12%
Hispanic	39%	24%	29%	23%	16%
Age ≥65	8%	11%	12%	19%	7%
Age ≤17	35%	24%	24%	21%	24%
Unemployment	16%	11%	9%	11%	5%
Poverty Rate	58%	15%	18%	10%	16%
No HS Diploma	32%	9%	14%	14%	15%
No Vehicle	22%	11%	7%	7%	9%
Renter Occupied Housing	89%	42%	35%	27%	31%

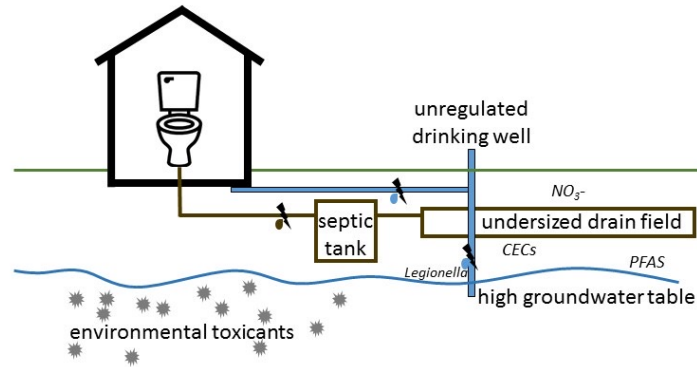
¹EPA EJScreen ACS Tool; ²U.S. Census 2010; ³FL Environmental Screening Tool (www.fl-etat.org/est); ⁴2010-2014 American Community Survey; ⁵2016 Bureau of Labor Statistics

Water and Sanitation Infrastructure Challenges

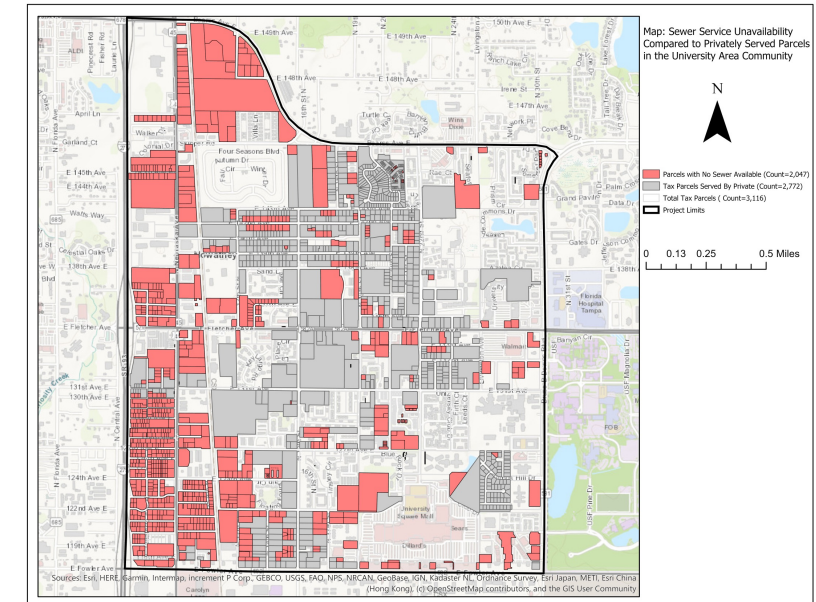
Water Service Availability



Water Served Parcels



Sewer Service Unavailability vs. Privately Served Parcels

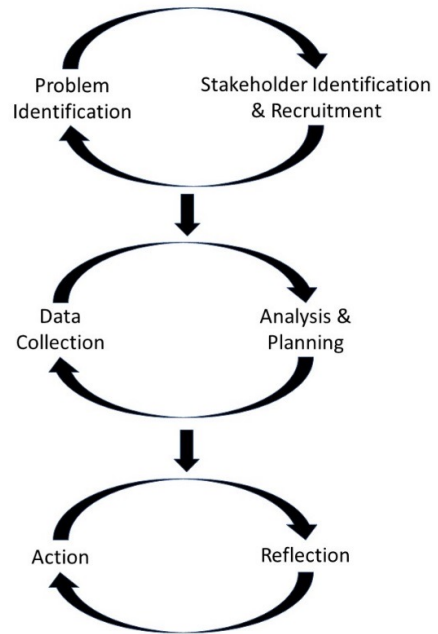


Parcels with No Sewer Availability

Tax Parcels Served by Private

Methods

Engagement through Participatory Involvement



135 hours of participant observation



12 in-depth, semi-structured interviews with residents



10 in-depth, semi-structured interviews with city/county utilities officials



28 rapid field assessments

Local Knowledge

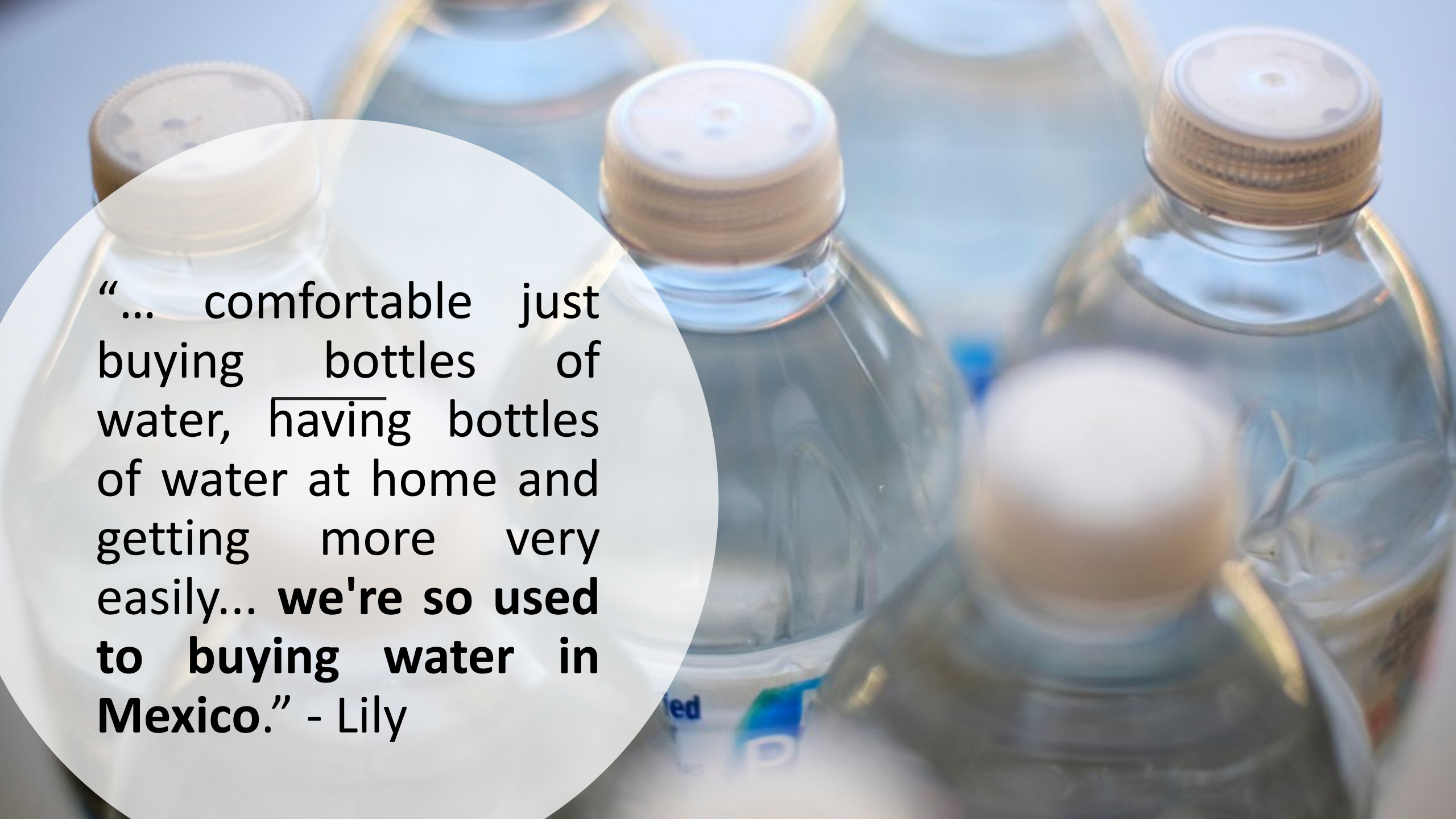
"The water does smell like sewage... *a medical headache*"

- Delila

"I just don't trust it"

"It smells. It was really bad. So you can't drink it, so *you're forced to buy bottled water.*" - Jane



The background of the image shows several clear plastic water bottles with white screw caps. They are arranged in a row, slightly out of focus, creating a sense of depth. The lighting is soft and even.

“... comfortable just
buying bottles of
water, having bottles
of water at home and
getting more very
easily... **we're so used
to buying water in
Mexico.**” - Lily



“Our greywater does not drain to the city. It just drains into the yard. We would not even complain about something like this to them. Because larger, more impactful things go unaddressed for months and months or indefinitely.”- Gloria

Authoritative Knowledge

“The reality is that the **city’s first obligation is to its residents**, inside the city limits. If money is tight and resources are limited, the city is going to choose to serve its citizenry first. So, people outside the city limits, even though they’re in [the city’s water and sewer service area], even though they're their customers, they’re going to take the backseat. And that’s just a reality.” – Tom





“We don't put in pipes for free. So, if there's a bunch of septic tanks out there and they want to hook up to us, they have to pay the fees, and if we have to extend the pipe, then they have to pay for that too.”-Richard

“There's a difference between contaminated and just, ‘I don't like the water.’ That's what we call aesthetics. That's not a public health issue... **You can drink, crappy tasting groundwater all day long and it's not necessarily a health consequence to you...** What you smell in the water doesn't necessarily mean it's bad for you.” - Dan





**Hillsborough
County** Florida



**U.S. ENVIRONMENTAL
PROTECTION AGENCY**

BIPARTISAN INFRASTRUCTURE LAW



Thank you!!!

