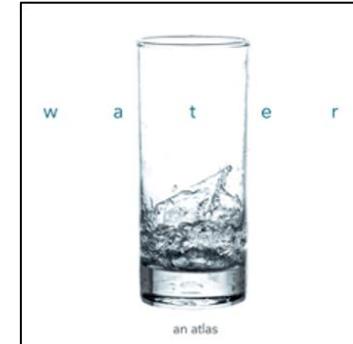


1.3: Lightning Talk 3 | Alicia Cowart, UW Cart Lab  
**Making an Atlas in a Day**

# Collective Atlas Creation

Inspired by  
Guerrilla Cartography

[guerrillacartography.org](http://guerrillacartography.org)



## GUERRILLA CARTOGRAPHY

[HOME](#)

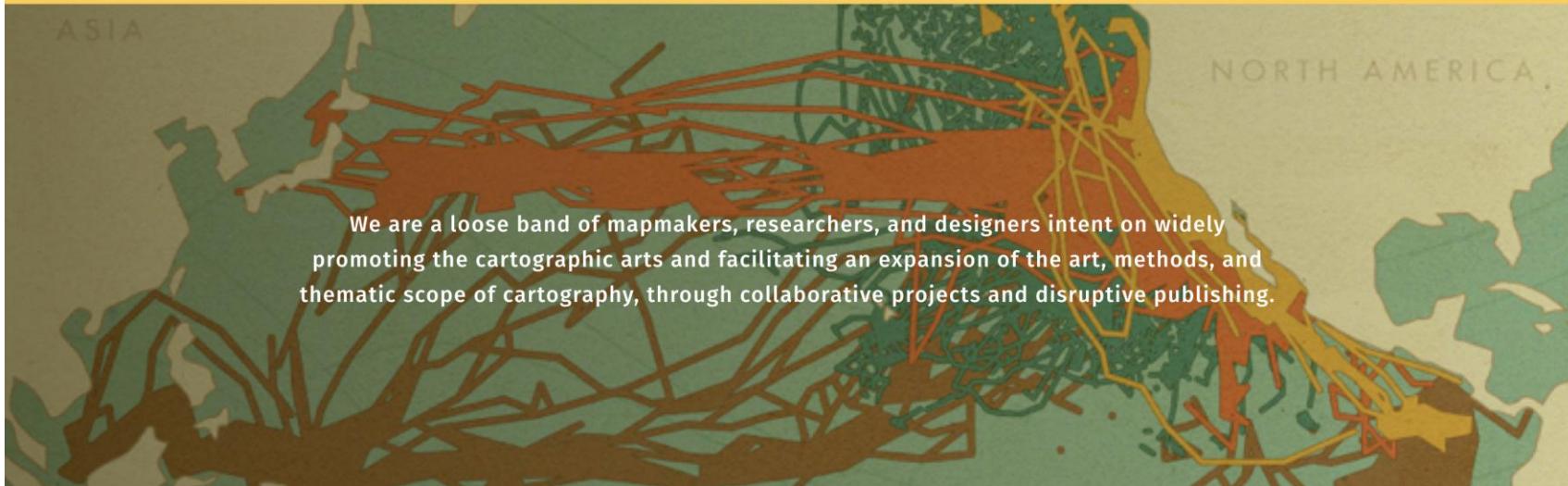
[CALL FOR MAPS](#)

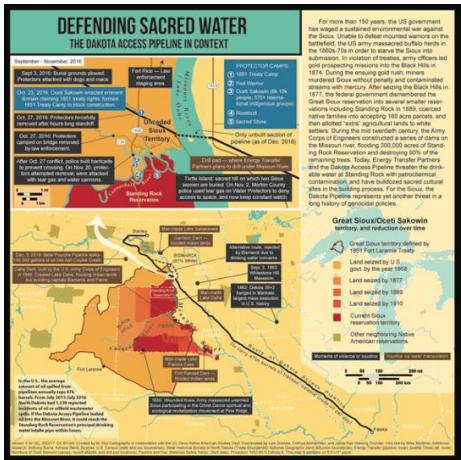
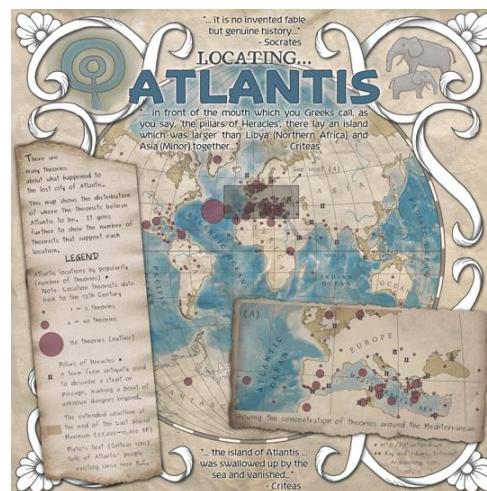
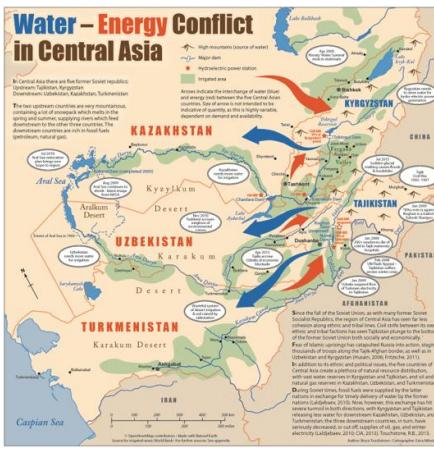
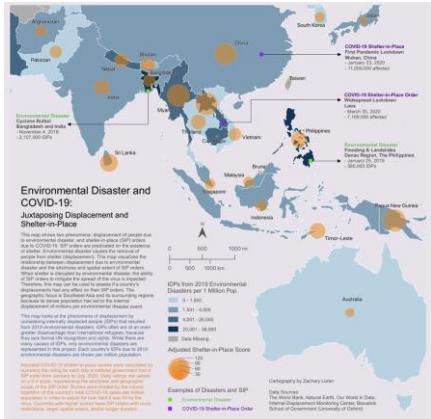
[ATLASSES](#)

[ABOUT US](#)

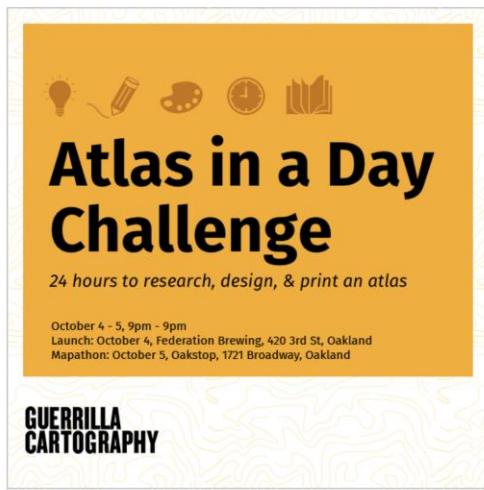
[BLOG](#)

[DONATE](#)





# What is an Atlas in a Day?



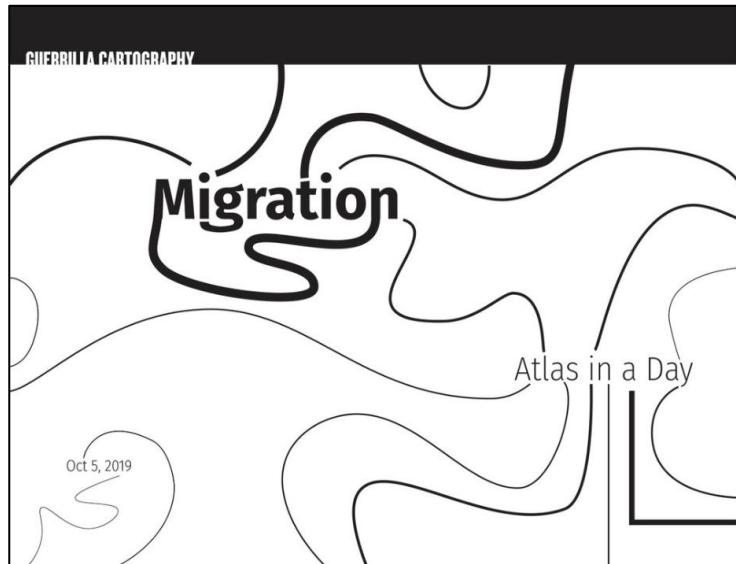
ATLAS IN A DAY CHALLENGE #1

The theme of this challenge is ...

MIGRATION.

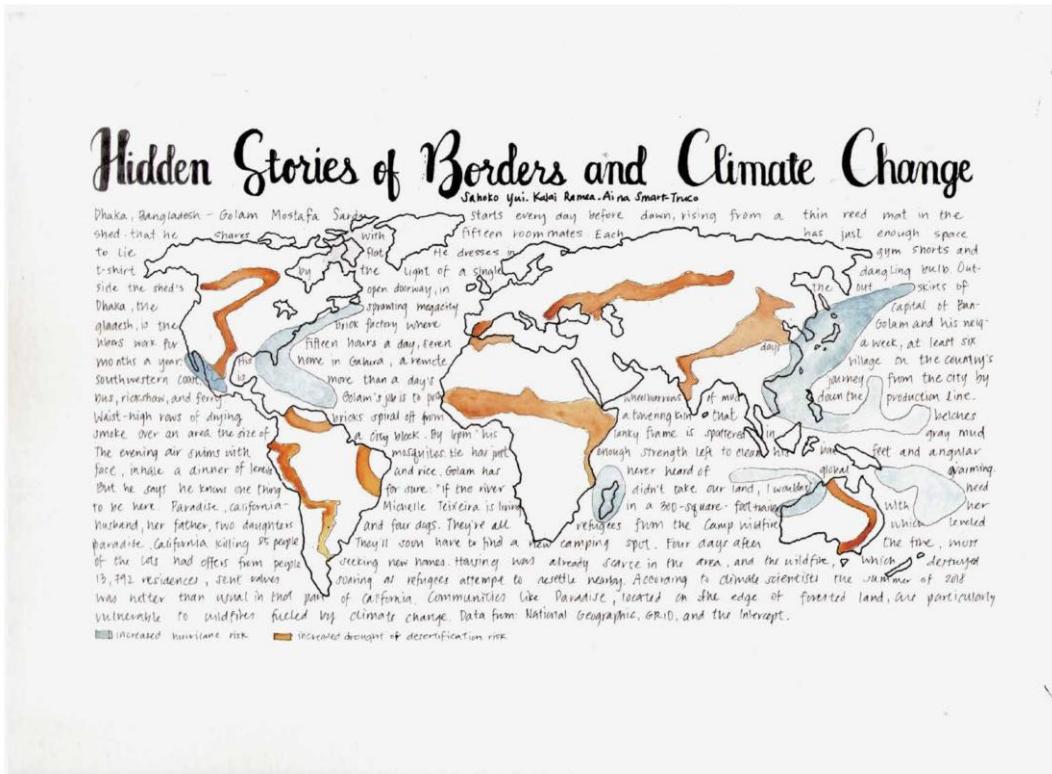
On Saturday, October 5, 2019, more than 50 guerrilla cartographers gathered, in person and online, to collaborate in producing an atlas in a single day on the subject of migration. Researching and designing an atlas on a complex theme in the span of 24 hours is indeed a challenge. This volume of maps is a concrete demonstration of the power of crowdsourcing and collaboration.

The subject of the atlas—migration, broadly defined—was only announced to the Guerrilla Cartography Collaborative via live stream at 9 pm PDT, Friday night. The following day, some 35 collaborators met at Oakstop in downtown Oakland, California, and began sharing ideas and working on their maps. Another 28 challenge participants worked on their maps remotely, representing 19 other locations in four countries. Creating on computers, paper, and boards; using crayons, watercolors, embroidery thread, and other media, the challenge collaborators submitted 43 maps on the theme of migration by the 7:30 pm deadline. A single electronic file was compiled and one rough print on a scrappy printer was attempted by 9 pm, fulfilling the challenge.



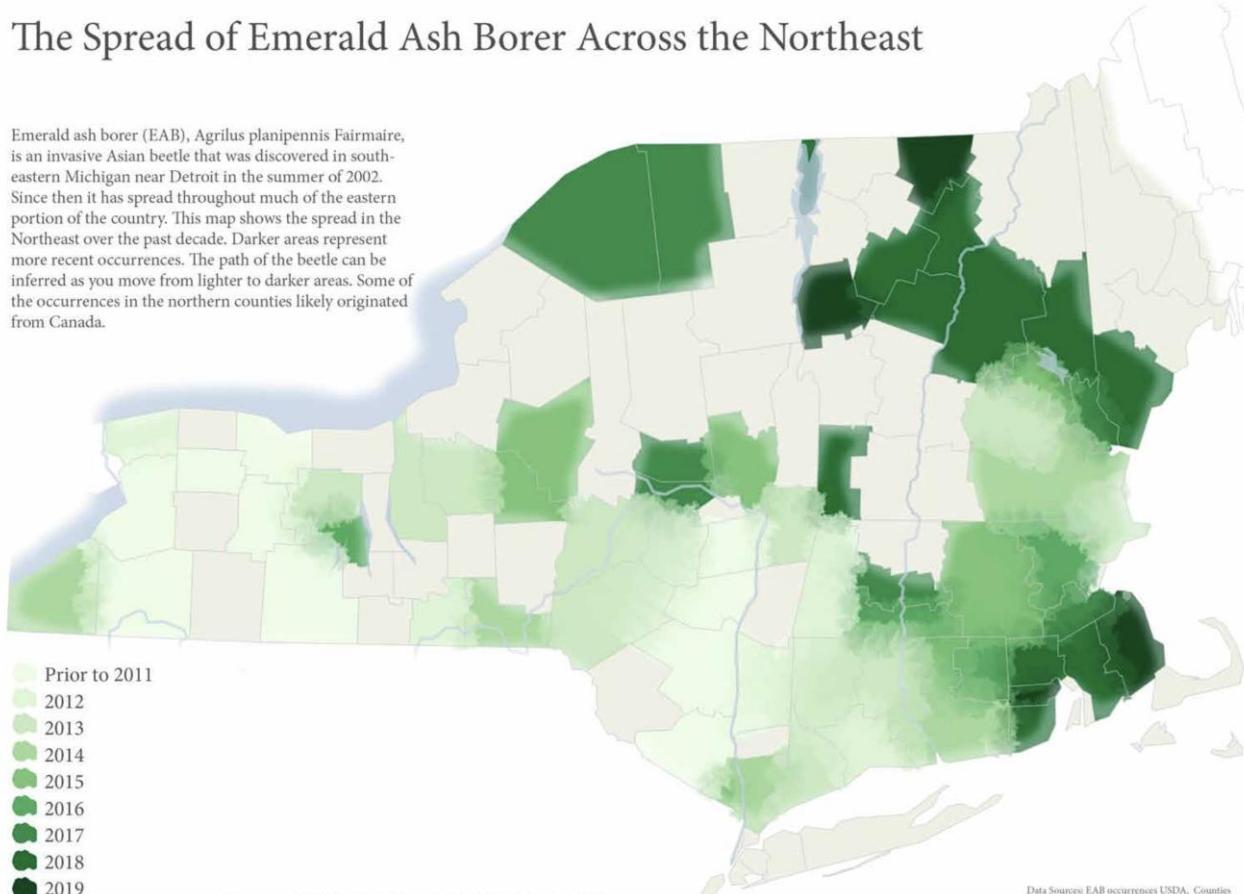
## Why?

- ✓ Encourages creative collaboration
- ✓ Combines diverse styles & ideas into a cohesive whole
- ✓ Low stakes opportunity to experiment, learn and try new things
- ✓ Time constraints emphasize process over product



# The Spread of Emerald Ash Borer Across the Northeast

Emerald ash borer (EAB), *Agrilus planipennis* Fairmaire, is an invasive Asian beetle that was discovered in southeastern Michigan near Detroit in the summer of 2002. Since then it has spread throughout much of the eastern portion of the country. This map shows the spread in the Northeast over the past decade. Darker areas represent more recent occurrences. The path of the beetle can be inferred as you move from lighter to darker areas. Some of the occurrences in the northern counties likely originated from Canada.



Map prepared by Rick Lederer-Barnes, Cambridge, NY - @UpstateGIS

Data Sources: EAB occurrences USDA, Counties  
US Census Bureau, Water features ESRI

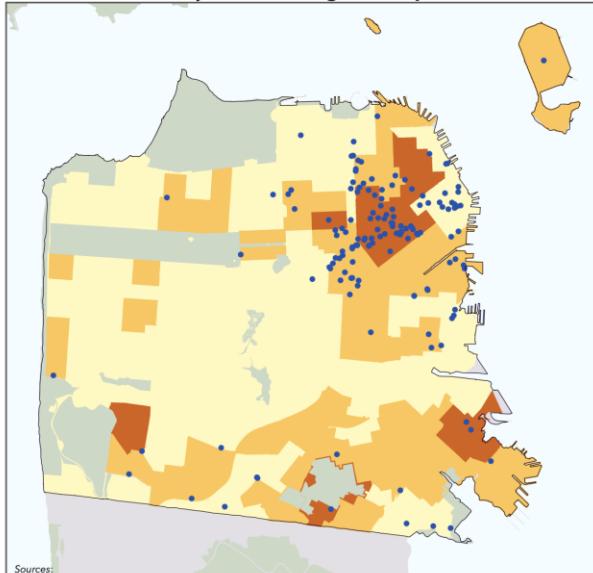
# WHO'S IN AND WHO'S OUT

Over the past decade, housing prices in San Francisco have skyrocketed. High-poverty areas with low rents are attractive for new market-rate real estate development, as the disparity between current rents and the potentially achievable rent can lead to a high return on investment. Indeed, in San Francisco in the early 2010s, large new residential developments were concentrated in areas with high

## Poverty, New Housing Development, and Residential Turnover in San Francisco, CA

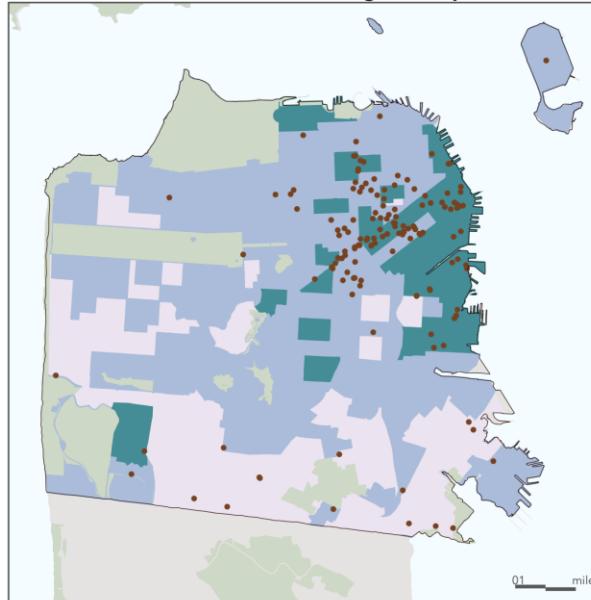
poverty rates (quantified as those earning less than two times the federal poverty rate). By 2017, as new housing developments were completed, some of those areas also saw an influx of new residents (i.e. people who had moved into the area within the past two years). The city has seen high rates of residential turnover, as some low-income residents have been forced to leave for places with cheaper housing.

Poverty and Housing Development

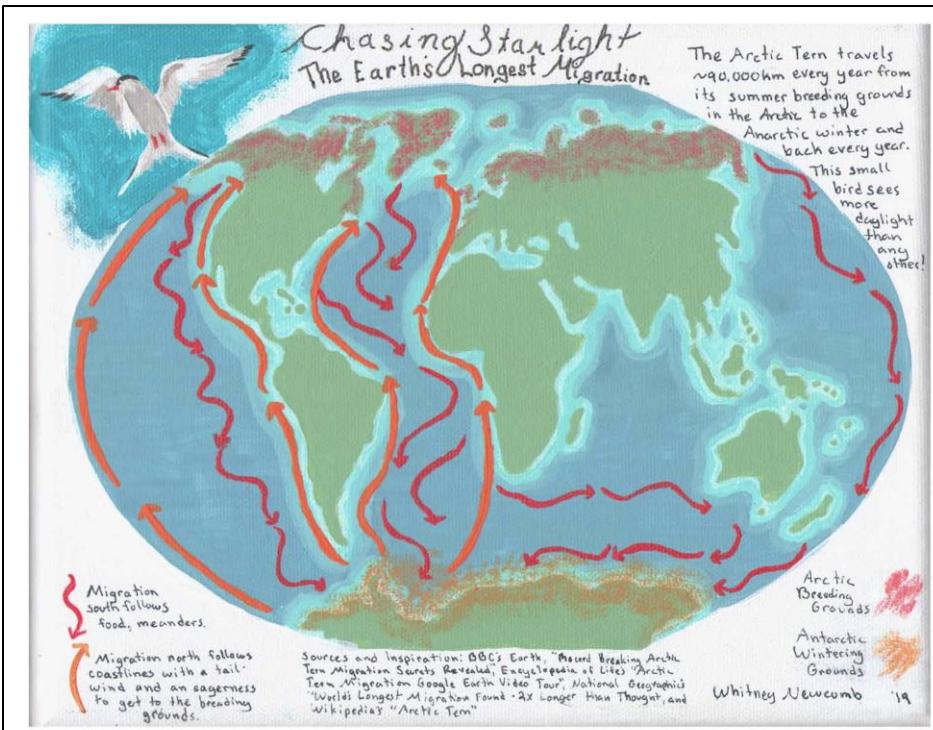
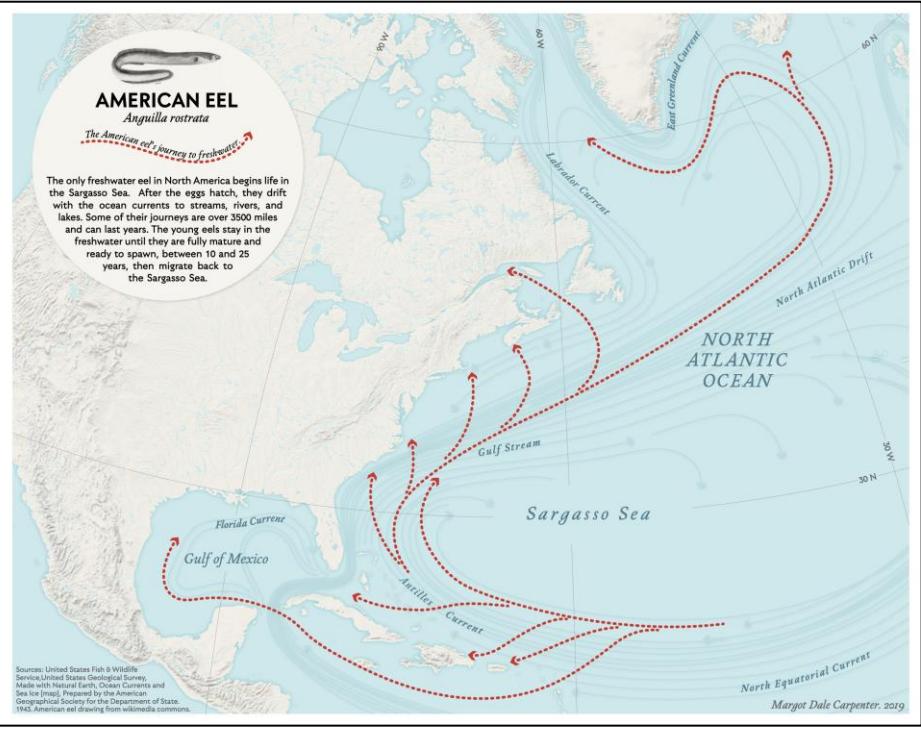


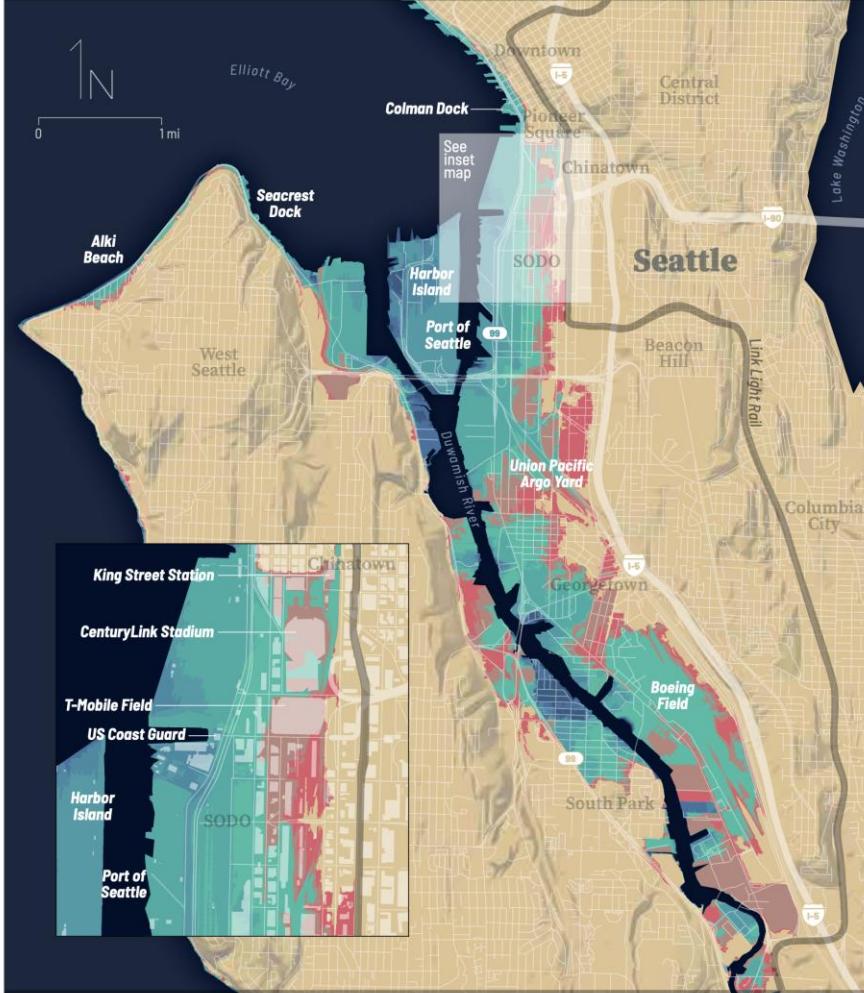
Population in Poverty (2010)	Development Pipeline (2012, 20 units or more)
0-25%	51% or more
26-50%	more

New Residents and Housing Development



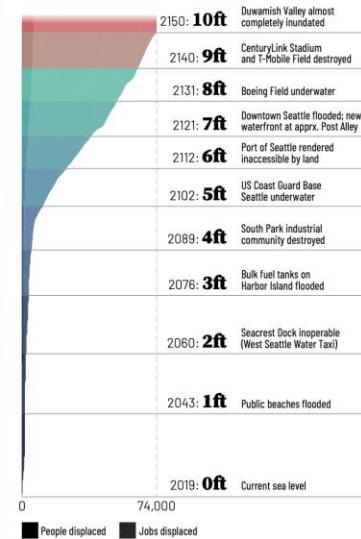
Moved In After 2014 (2017)	Development Pipeline (2012, 20 units or more)
0-5%	16% or more
6-15%	more





## Migration away from flooded land in Seattle

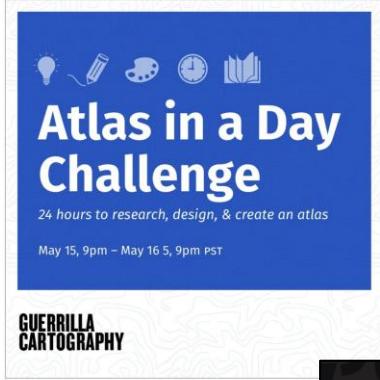
How many people and jobs would be displaced by rising sea levels in the Duwamish River Valley?



### Sources

City of Seattle, ESRI, King County, Microsoft, NOAA, Sound Transit, US Census Bureau.  
 Sea level rise estimates from 1% probability of exceedance, average of 19-year period.  
 Estimates are approximations of outcomes under a high-emissions scenario and assuming no major mitigative infrastructure is built.  
<http://www.wacoastalnetwork.com/files/theme/wcrp/SLR-Report-Miller-et-al-2018.pdf>, p. 14

# What is an Atlas in a Day?



## ATLAS IN A DAY CHALLENGE

The theme of this challenge is ...

COMMUNITY.



- 9:15am PDT: Welcome by Darin Jensen, GC founder and President of Board of Directors  
Darin will speak about the global community formed by Guerrilla Cartography since its first atlas, Food: An Atlas, was published in 2012.

- 9:30am PDT: Speaker session #1

- Daniel Raven-Ellison, Guerrilla Geographer, London, UK:
    - *Mapping a 90K network of Slow Ways walking routes while in Lockdown*
  - Sahoko Yui, Kalai Ramea, Aina Smart-Truco, Oakland, California:
    - *Hidden stories of Atlas in a Day*
  - Martina Neuburger, Katharina Schmidt, Katrin Singer, Institute of Geography, University of Hamburg, Hamburg, Germany:
    - *Questioning own mapping practices: academic feminist communities, positionality and historical legacies*
  - Annie Brûlé, Brûlé Illustration & Design, Vashon, Washington:
    - *Decolonizing the Map: Indigenous-led Mapping Initiatives*
  - Q/A begins at 10:30am PDT

- 12pm - 1:15pm PDT: Speaker session #2

- Anirvan Chatterjee and Barnali Ghosh, Berkeley South Asian Radical History Walking Tour, Berkeley, California:
    - *The 1940 Singh Census: Visualizing the story of the Punjabi/Mexican community*
  - Alex Tarr, Assistant Professor of Geography, Worcester State University, Worcester, Massachusetts:
    - *Cartographers are not Computers*
  - Annita Lucchesi, University of Arizona, Tucson, Arizona:
    - *Mapping for Justice: Creating Cartographies of Social Change*
  - Melissa Brooks, GIS Analyst/Map UX, New Plymouth, New Zealand:
    - *Quick tips to review and refine your map*
  - Speaker session #2 Q/A begins at 1pm PDT
- 4:00pm - 5:15pm PDT: Speaker session #3
- Sapna E. Thottathil, PhD, Associate Director of Sustainability, University of California, Office of the President and Guerrilla Cartography Board Member, Oakland, California:
    - *Institutions as Anchors in Communities*
  - Iconoclastistas, Mapping Collective, Argentina:
    - *Collective mapping and collaborative research from Argentina* (this talk will be presented in Spanish)
  - Steven R Holloway, toMake™ Press & Editions, Missoula, Montana:
    - *The deLight of Slow Map-making & Responding*
  - Amber J. Bosse, PhD Candidate, University of Kentucky, Provo, Utah:
    - *Map Anyway*
  - Speaker session #3 Q/A begins at 5pm PDT

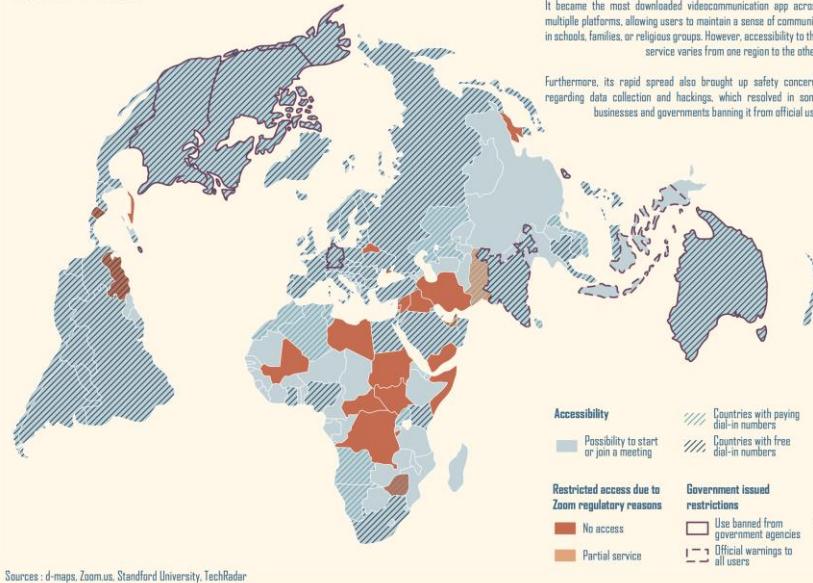
## Creating community in a time of social distancing ? Zoom.us : Degrees of accessibility and caution

Abigail Robinovitch, Paris (2020)

Launched in 2013, Zoom took off in 2020 when the Covid-19 pandemic confined people to their homes and forced individuals, businesses and organizations to find new ways to connect and interact.

It became the most downloaded videoconferencing app across multiple platforms, allowing users to maintain a sense of community in schools, families, or religious groups. However, accessibility to this service varies from one region to the other.

Furthermore, its rapid spread also brought up safety concerns regarding data collection and hacking, which resolved in some businesses and governments banning it from official use.

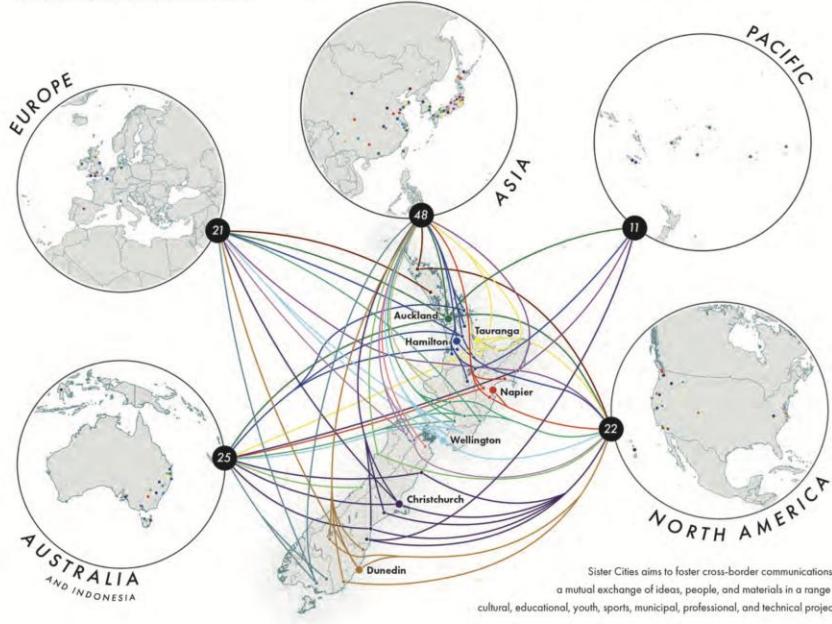


## Sister City Connections of New Zealand

Made in 24hr for Ados in a Day May 2020 in Christchurch, New Zealand

Andrew Douglas-Clifford (@themapkiwi)  
and Andrew Tyrrell (@southournmaps)

Data: ESRI, LINZ  
sistercities.org.nz



# THE ICHE TUCKNEE SILTSNAIL

*Floridobia mica*



ACTUAL SIZE:  
2.0-2.3 mm

About the size of a  
grain of sand!

The Ichetucknee siltsnail community is endemic to Coffee Spring, an area of just 90 square feet - about the size of my living room! Coffee Spring is located on the Ichetucknee River in Northern Florida, within Ichetucknee Springs State Park.

The State Park receives almost 350,000 visitors each year. The two-month closure due to COVID-19 has given the Ichetucknee River and springs a break from recreational impacts.





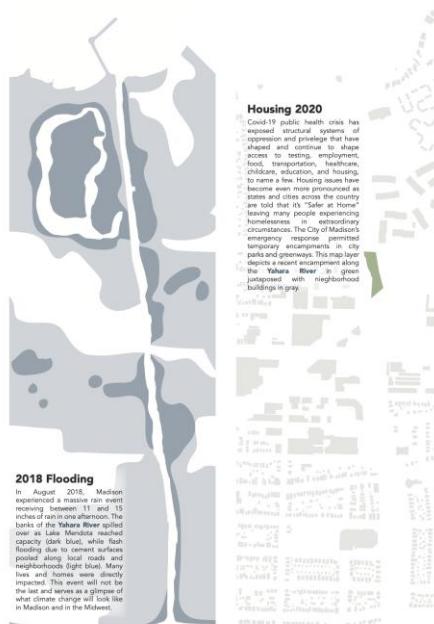
### The Yahara River

The Yahara River in Madison, Wisconsin has been part of my community for many years now. I began the map furthest left over three years ago and as I revisited it, I found several map layers missing or faded. I decided to add them back in, not to fully acknowledge a settler colonial history as well as a space marked by both the river and the city. These layers are there, they lay claim, but typically choose not to see. Just like the investments in rivers, my own sense of community and positionality allow me to see or unsee the many layers around the Yahara River.

### Tenney Park Locks

In Madison, the Yahara River is a controlled waterway that connects two lakes, Lake Mendota to the north and Lake Monona to the south. The area at Tenney Park serves as a reminder of altered landscapes and the continued occupying of Indigenous lands. In an 1832 treaty, the Ho-Chunk people ceded their territories including the Yahara River. Decades of ethnic cleansing followed, and the U.S. federal and state government repeatedly, but unsuccessfully, sought to forcibly remove the Ho-Chunk from Wisconsin.

Megan Kelly @meghanekellymaps  
Data: OpenStreetMap and City of Madison  
"Land acknowledgement based on University of Wisconsin-Madison's own acknowledgement of occupying Ho-Chunk lands."



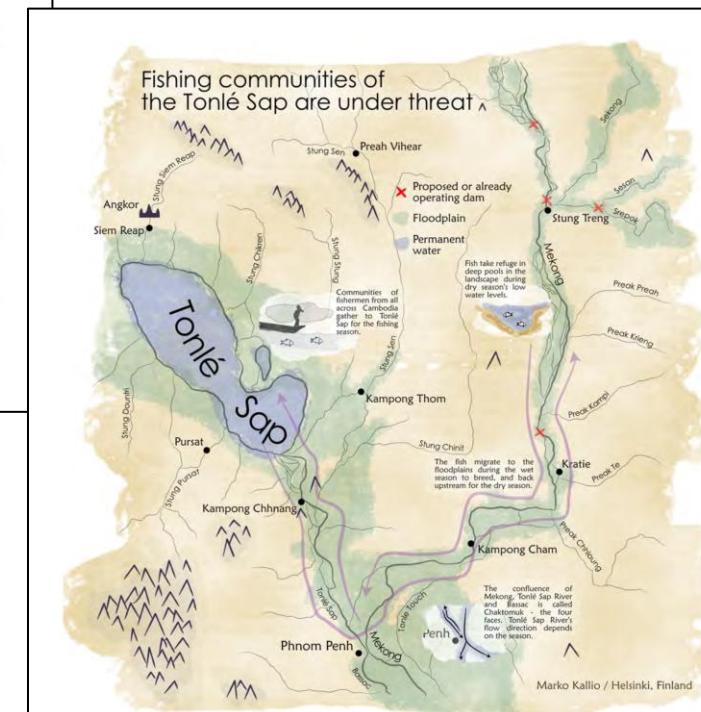
### Housing 2020

Covid-19 public health crisis has exposed deep-seated issues of oppression and privilege that have shaped and continue to shape access to basic necessities: food, transportation, healthcare, childcare, education, and housing, to name a few. Housing issues have become even more pronounced as states across the country are told that it's "Safe at Home" leaving many facing growing homelessness in extraordinary circumstances. The City of Madison's emergency shelter system, composed temporary encampments in city parks, is one example. This layer depicts a recent encampment along the Yahara River in green, juxtaposed against residential buildings in gray.

### 2018 Flooding

In August 2018, Madison experienced a massive rain event occurring between 11 and 15 inches of rain in a 24-hour period. The banks of the Yahara River spilled over as the city of Madison reached capacity, flooding nearby roads. Flooding due to cement surfaces pushed floodwaters into yards and neighborhoods right blue. Many lives and homes were directly impacted. This map will not be the last and serves as a glimpse of what can happen when locks like in Madison end in the Midwest.

Megan Kelly @meghanekellymaps  
Data: OpenStreetMap and City of Madison



### A FISHY TALE

It's raining hard and we've waited for this, confined in this refuge of ours. For months we have waited. Like we have, so many times before.

Rivers rush forward, and the current takes us in. It takes us where it will. Like it has, so many times before.

Here are the four faces, and the water keeps flowing in. The current takes a turn, and sweeps towards North. We're on a pilgrimage to the promised waters. Once again, like so many times before.

The water keeps flowing and the flood enters the forest. Here we find, and here we mate. Here we thrive, and the fishermen too, under the shade of the mangrove trees.

Like so many times before.

The rains are gone, and the flood recedes. It's our time to go, like so many times before. The current's grown weak, and we strong. Here it's time to head for shelter.

Here in the gentle waters of our tributary, we've completed the annual cycle. Here in our precious deep pool, growing ever shallower, we wait. Like countless times before.

Here in our precious little pond, I ponder: will the waters come, like they always have, so many times before. The flooded forest each year smaller, our refuge never quite so shallow, will they wait. The flood pulse, behind their towering walls.

Tonlé Sap Lake is the most productive freshwater fishery in the world, supplying up to 80% of Cambodia's protein. Fishing and farming communities in Cambodia, particularly dependent on the Tonlé Sap Lake, are under threat from rampant dam construction in the Mekong Basin.

The fish depend on the annual flood pulse for their feeding and reproduction. Dam building in the basin has already affected the fish catch and the extent of flooding.

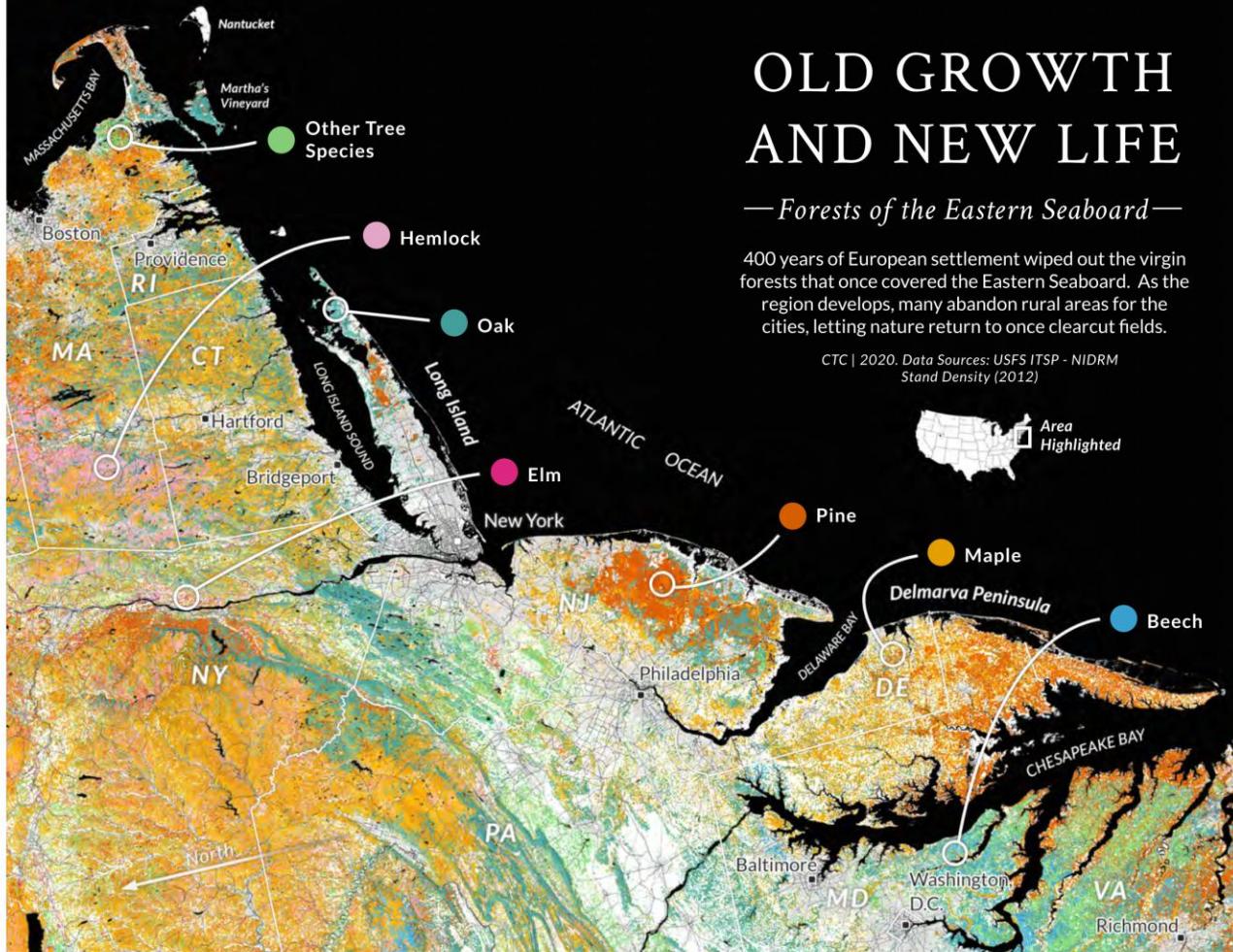
The age old annual cycle of life, for both the fish and the communities which evolved around the cycle, is under risk of disappearing entirely.

# OLD GROWTH AND NEW LIFE

—Forests of the Eastern Seaboard—

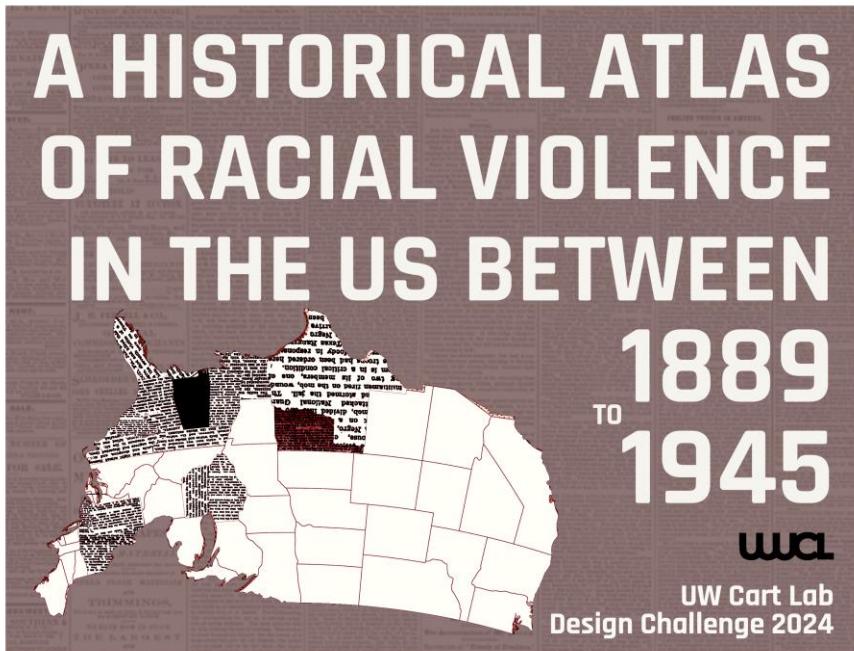
400 years of European settlement wiped out the virgin forests that once covered the Eastern Seaboard. As the region develops, many abandon rural areas for the cities, letting nature return to once clearcut fields.

CTC | 2020. Data Sources: USFS ITSP - NIDRM  
Stand Density (2012)



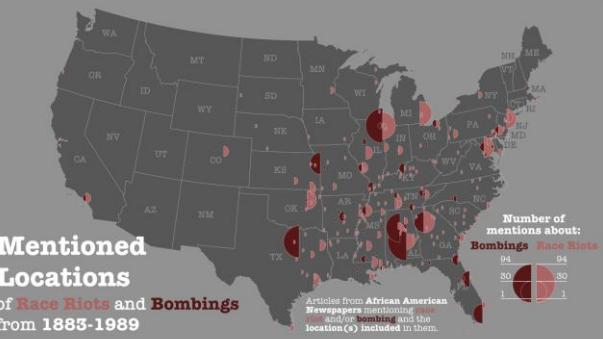
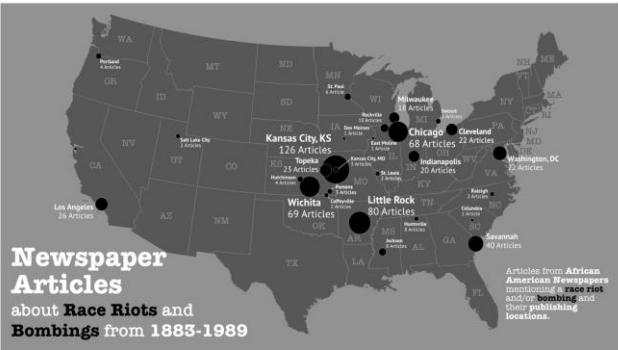
# What is an Atlas in a Day?

Concept adopted and adapted for UW  
Design Challenge 2024



# What is an Atlas in a Day?

Organized by:  
Kela Caldwell  
Alicia Iverson  
Gareth Baldrica-Franklin  
Alicia Cowart  
Bill Limpisathian  
Rob Roth



Design  
Challenge  
2024

Maps by Gareth Baldrica-Franklin<sup>iii</sup>

Join us for the 10<sup>th</sup> annual ...

# Design Challenge 2024

Co-creating a Historical Atlas  
of Racial Violence in the U.S. 1889-1945

February 17 | 9:30am-7pm | UW Cart Lab, 250 Science Hall

Celebrate the 10th annual Design Challenge by collaborating with Geography Ph.D. student Kela Caldwell on her dissertation project to decipher and historicize the term race riot. By discovering and identifying U.S. race riot incidents between 1889 and 1945, you will gain experience working with an interdisciplinary crew of cartographers, historians, and geographers to create a collaborative atlas that explores dimensions of human experience and the retelling of racial violence, its processes, and the sites of its reckoning. All meals and snacks provided to participants!

Collectively create an "Atlas in a Day"

What narratives can we reveal from putting these maps together into an atlas?





# Table of Contents

## 1 Chapter 1: Headlining Violence

- 2 Just Another Day in America
- 3 Echoes of Discord
- 4 Tangible and Digital Flows
- 5 In Black and White

Yanbing Chen, Brynn Patrello  
Qianheng Zhang, Ashmita Dhakal  
Atlas Guo  
Mei Mei Keohane

## 6 Chapter 2: Systems in Place

- 7 A Look at Race Riots on the Delmarva Peninsula
- 8 Two Post-War Chicagos: A Legacy of White Violence
- 9 The Effects of the New Deal
- 10 Contesting the Color Line

Maggie, Nawshin, Nandi  
Adrian George  
Anya Shaw, Olive Chan  
Taylor McDowell, Amani Ponnaganti, Alec Armon

## 11 Chapter 3: Narratives

- 12 The papers did not describe all the horrors
- 13 News Through The Years: Henry T. Moore
- 14 Paseo Bombing
- 15 The Making of Southern Horrors

Anika Rice  
William Weatherhead  
Will McAllister  
Vignesh Ramachandran

# The Making of Southern Horrors

“...the dark and bloody record of the South shows 728 Afro-Americans lynched during the past eight years”

In writing the pamphlet *Southern Horrors: Lynch Law in All Its Phases*, anti-lynching activist and journalist Ida B. Wells was influenced by the sheer number of incidents of white mob violence against black communities in the South and the pervasive stereotypes of black men in the media.

However, the pamphlet would not have been written without her personal encounters with white mob violence. Memphis in 1892 and the love and labor of black women in her community in New York City during her exile.

All quotes from *Southern Horrors*.  
Vignesh Ramachandran 2024



“To the Afro-American women of New York and Brooklyn, whose race love, earnest zeal and unselfish effort at Lyric Hall, in the City of New York, on the night of October 5, 1892—made possible its publication, this pamphlet is gratefully dedicated by the author.

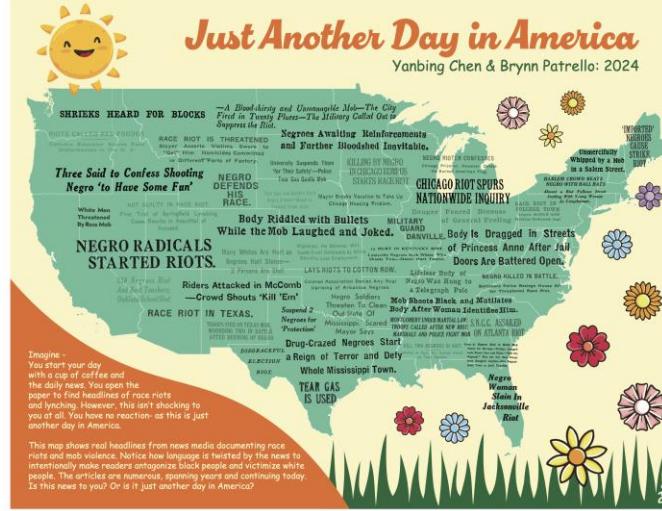
The Afro-American is not a bestial race. If this work can contribute in any way toward proving this, and at the same time arouse the conscience of America people to a demand for justice to every citizen...I shall feel I have done my race a service”

—Ida B. Wells

Source: Ida B. Wells, *Southern Horrors: Lynch Law in All Its Phases* (1892)

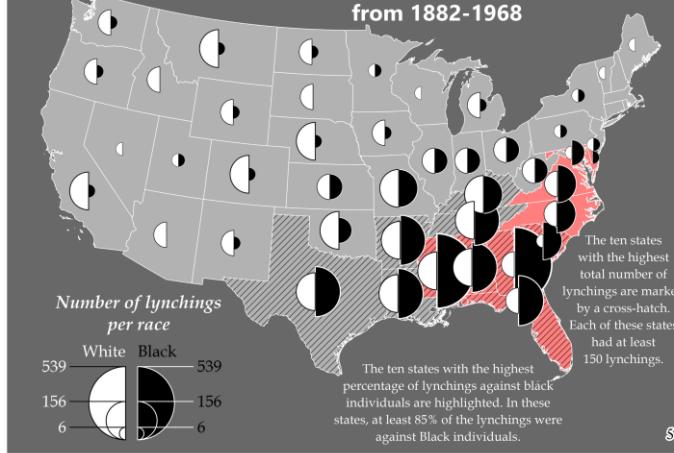
# Just Another Day in America

Yanbing Chen & Brynn Patrello: 2024



Lynching data provided via the Tuskegee Institute  
Basemap provided via NGDC  
Map Created By: Mei Mei Keehne

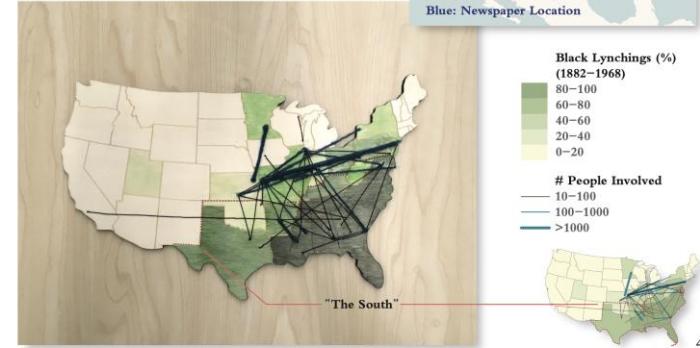
## In Black and White: A Map of Lynchings Across the United States from 1882-1968



## Tangible and Digital Flow Map of Historical Lynchings in United States

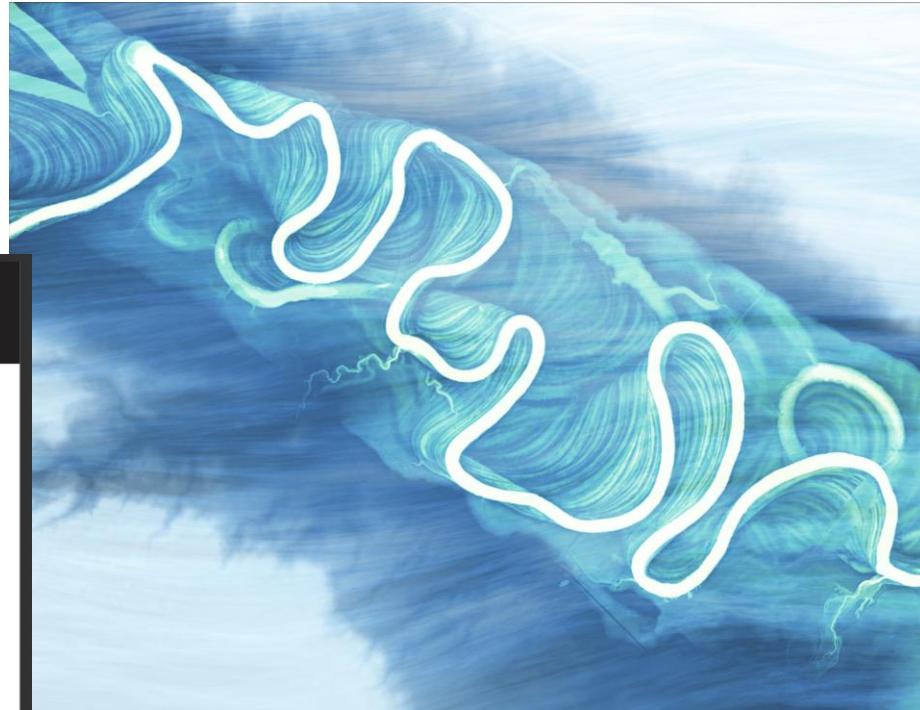
by Atlas Guo

(UW Cartography Lab Design Challenge 2024)



# Atlas in a Day Evolves

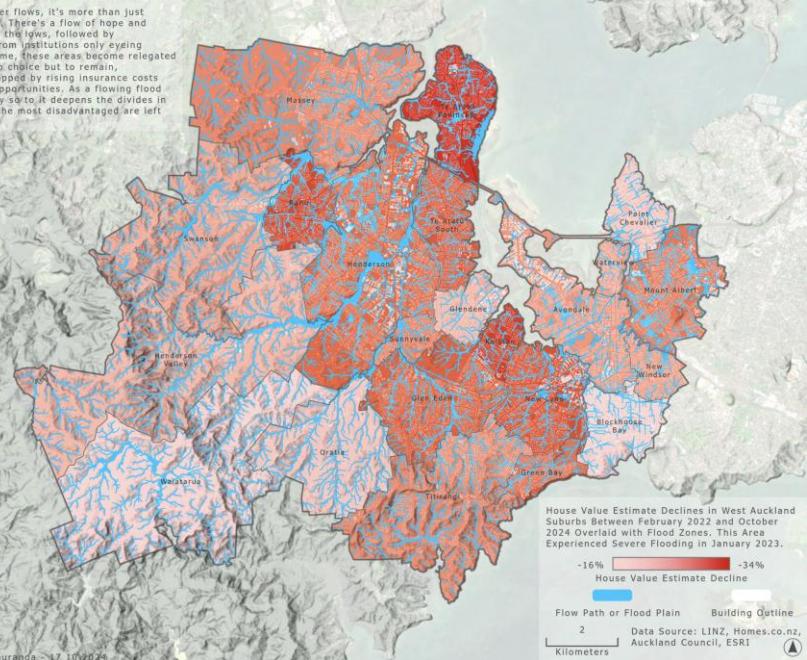
## Atlas at a Conference



# Atlas in a Day Evolves

## A Flow of Disadvantage

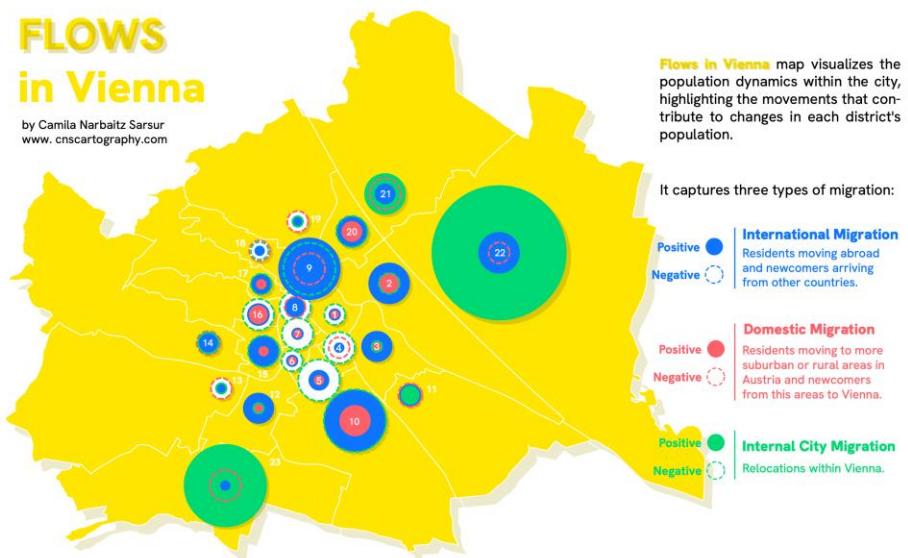
While floodwater flows, it's more than just water that goes. There's a flow of hope and security leaving the levees, followed by disinvestment from institutions and recycling efforts. Often, these areas become relegated to those with no choice but to remain, communities trapped by rising insurance costs and shrinking opportunities. As a flowing flood deepens a valley so to, it deepens the divides in society, where the most disadvantaged are left behind.



# Atlas in a Day Evolves

## FLows in Vienna

by Camila Narbaitz Sarsur  
[www.cnscartography.com](http://www.cnscartography.com)



The 2nd, 9th, and 10th districts are receiving the highest levels of international migration, with more people arriving from abroad compared to those leaving for other countries. Notably, no district shows a negative balance in international migration, indicating that Vienna, as a whole, is attracting more international residents than it is losing to emigration.

The 9th, 21st, and 23rd are the districts experiencing net losses from domestic migration, as people seek opportunities, quieter lifestyles, or different living conditions elsewhere in Vienna.

The 21st, 22nd, and 23rd districts are experiencing the most significant population growth due to internal relocations within Vienna, as they attract many residents from other parts of the city. In contrast, the central districts are seeing the lowest levels of inward migration and are losing residents to outer districts as more people move away from the city center.

Data source: City of Vienna - <https://data.wien.gv.at>

## Scheduled domestic flights

for the 18th October, 2024, from the three largest airports in New Zealand

### Flights departing from

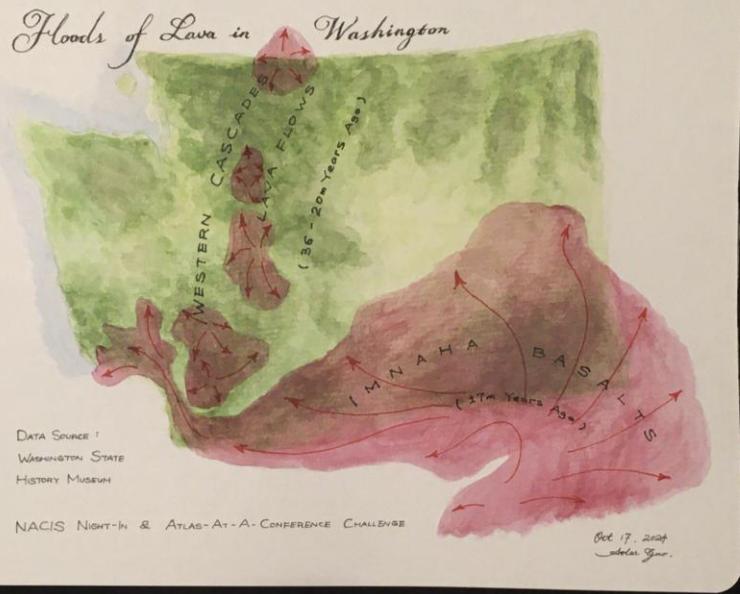
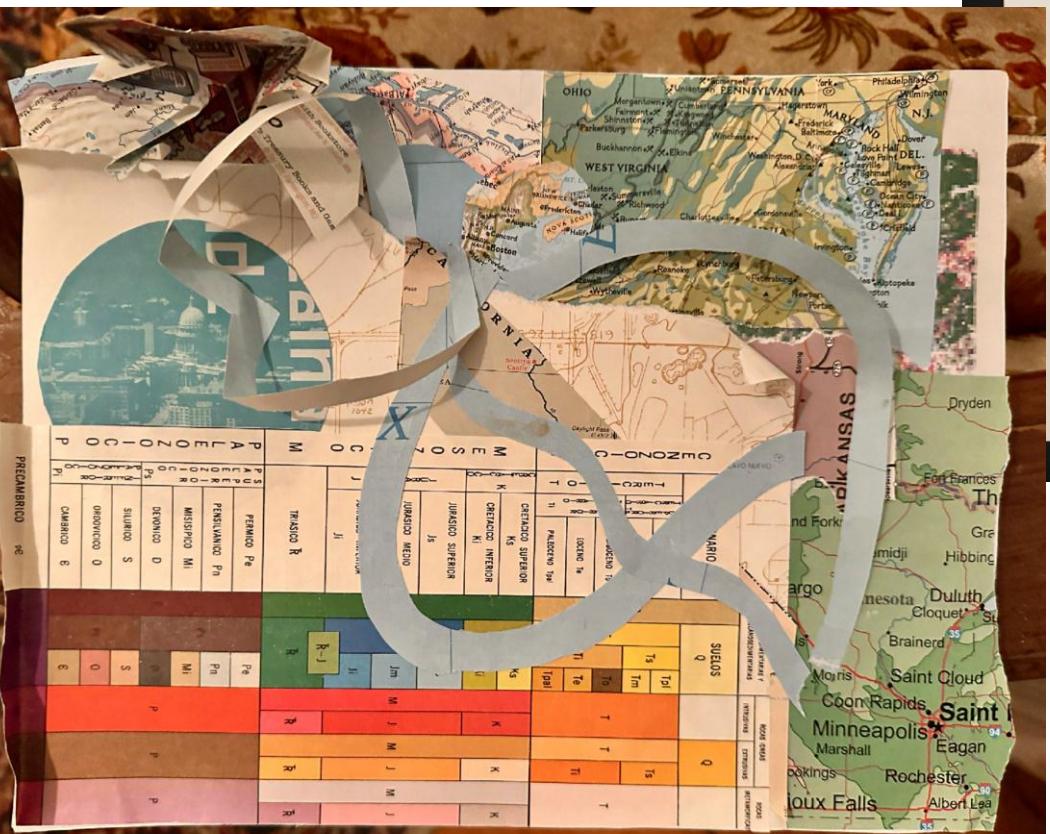


### Frequency of flights

5  
15  
30



# Atlas in a Day Evolves



# Atlas in a Day Evolves



## Atlas in a Week – Design Challenge 2025

Enjoy the process!

- ✓ Creative collaboration
- ✓ Combine diverse styles & ideas into a cohesive whole
- ✓ Low stakes opportunity to experiment, learn and try new things
- ✓ Time constraints emphasize process over product

