

UNVEILING

Kiichihama

A STUDY ON DEMOGRAPHIC DYNAMICS AND MAPPING FOR
URBAN DEVELOPMENT

WHO WE ARE



THOMAS BRANCHAUD



ALLEN CHEUNG



NATHAN O'NEILL

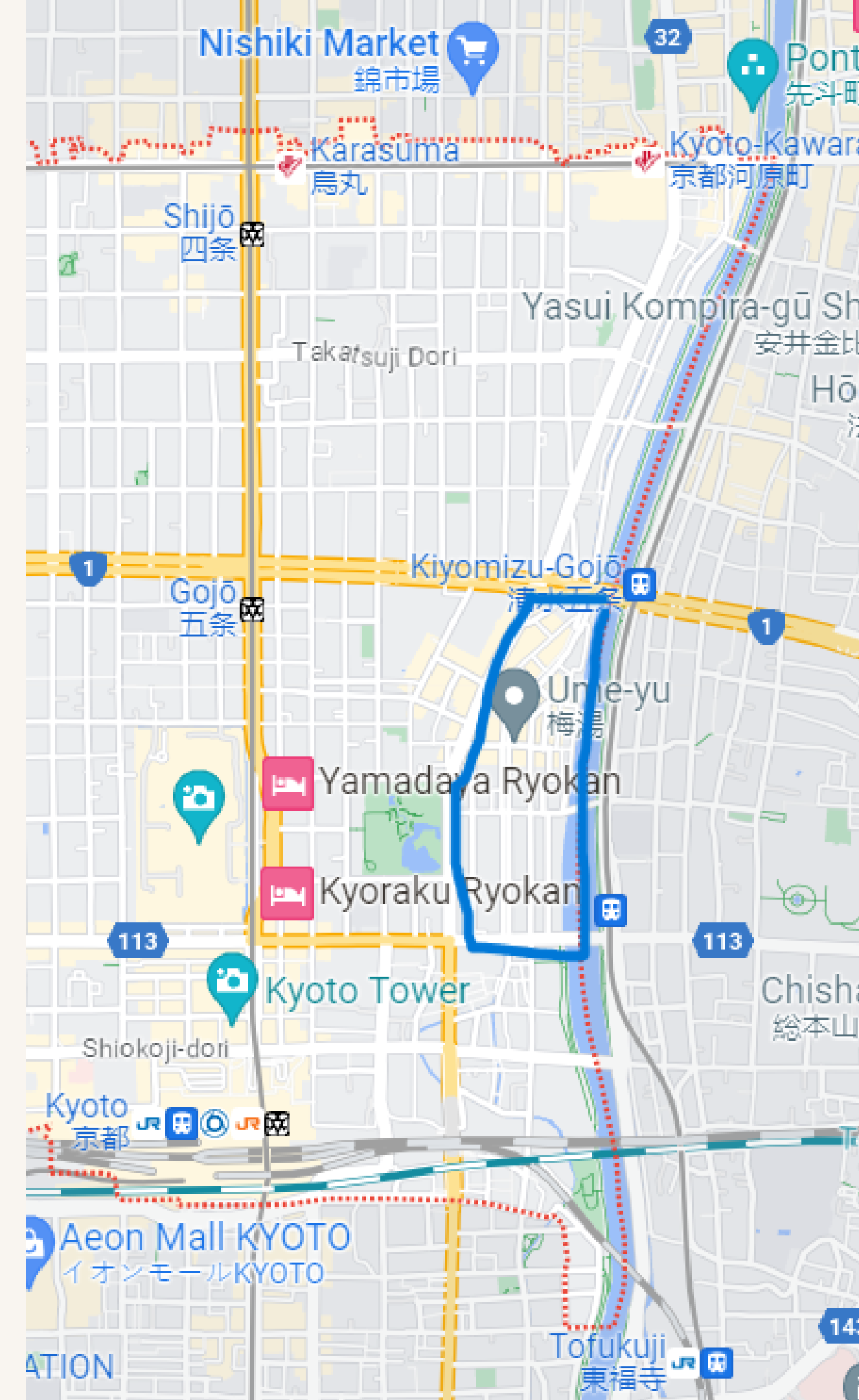


RUBA KHAN

ABOUT KIKUHAMA

Past Kikuhama

- Location in eastern Kyoto along the Kamo River
- Potential to become a flourishing district
- Historically a red-light district controlled by the Yakuza
 - residents down play “hide” past



PAST PROJECTS

OUR PURPOSE

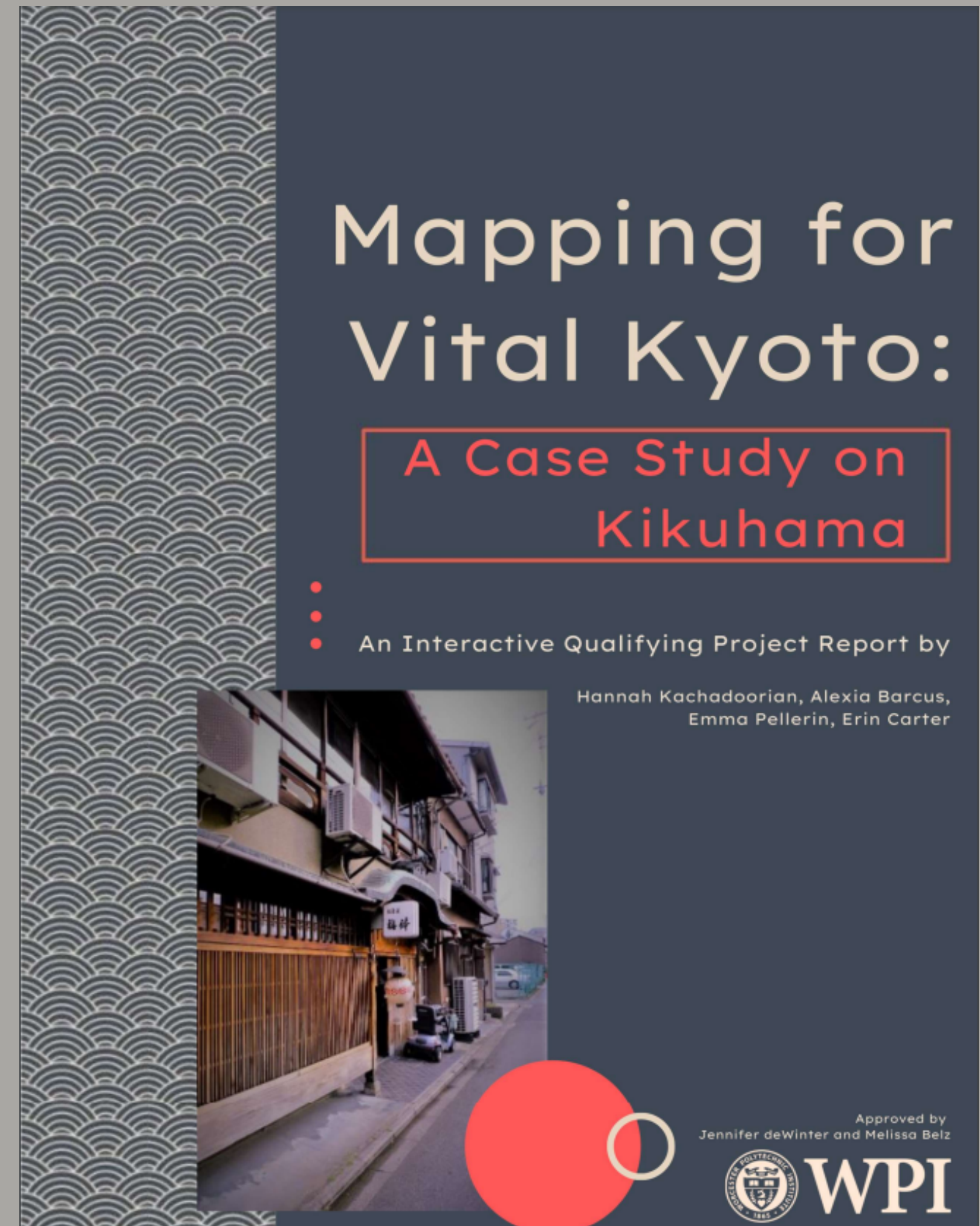
- Kikuhama has been undergoing rapid changes in the past years
- Mapping these changes
- Track Kikuhama's progress
 - Over past and future years



PAST PROJECTS

PREVIOUS IQP

- 2019 (Mapping for the Future of Gojo Rakuen)
 - Mapped Kikuhama
 - Observed movement of people
 - More accurate
- 2021 (Mapping for Vital Kyoto)
 - Mapped Kikuhama through google earth
 - Found to be less accurate
 - Unable to identify 41 buildings (7.7%)




Mapping for Vital Kyoto:

A Case Study on Kikuhama

•
•
• An Interactive Qualifying Project Report by
Hannah Kachadoorian, Alexia Barcus,
Emma Pellerin, Erin Carter

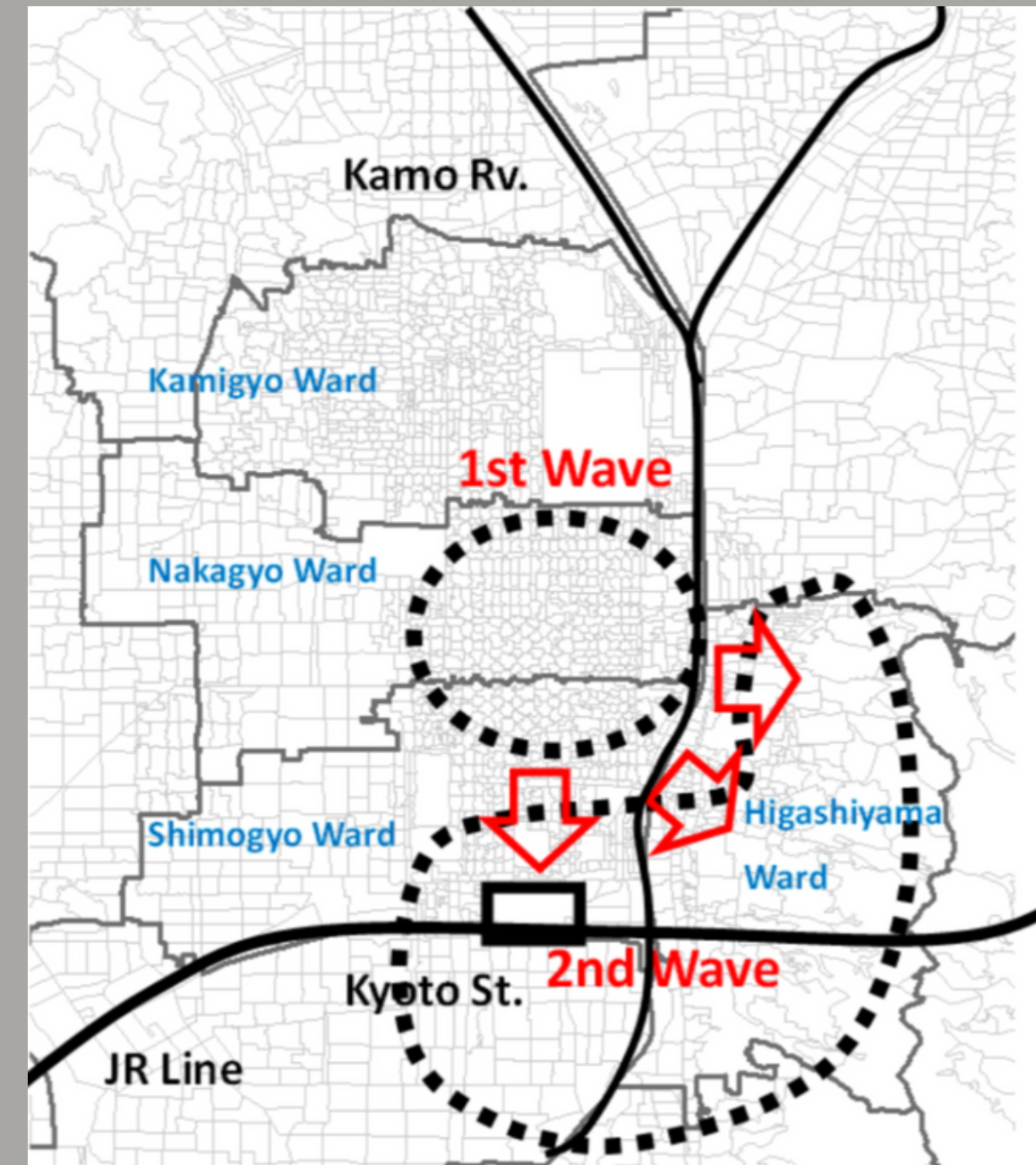
Approved by
Jennifer deWinter and Melissa Belz



ABOUT KIKUHAMA

KIKUHAMA'S DEMOGRAPHIC

- Census data analysis
- Gentrification (1950)

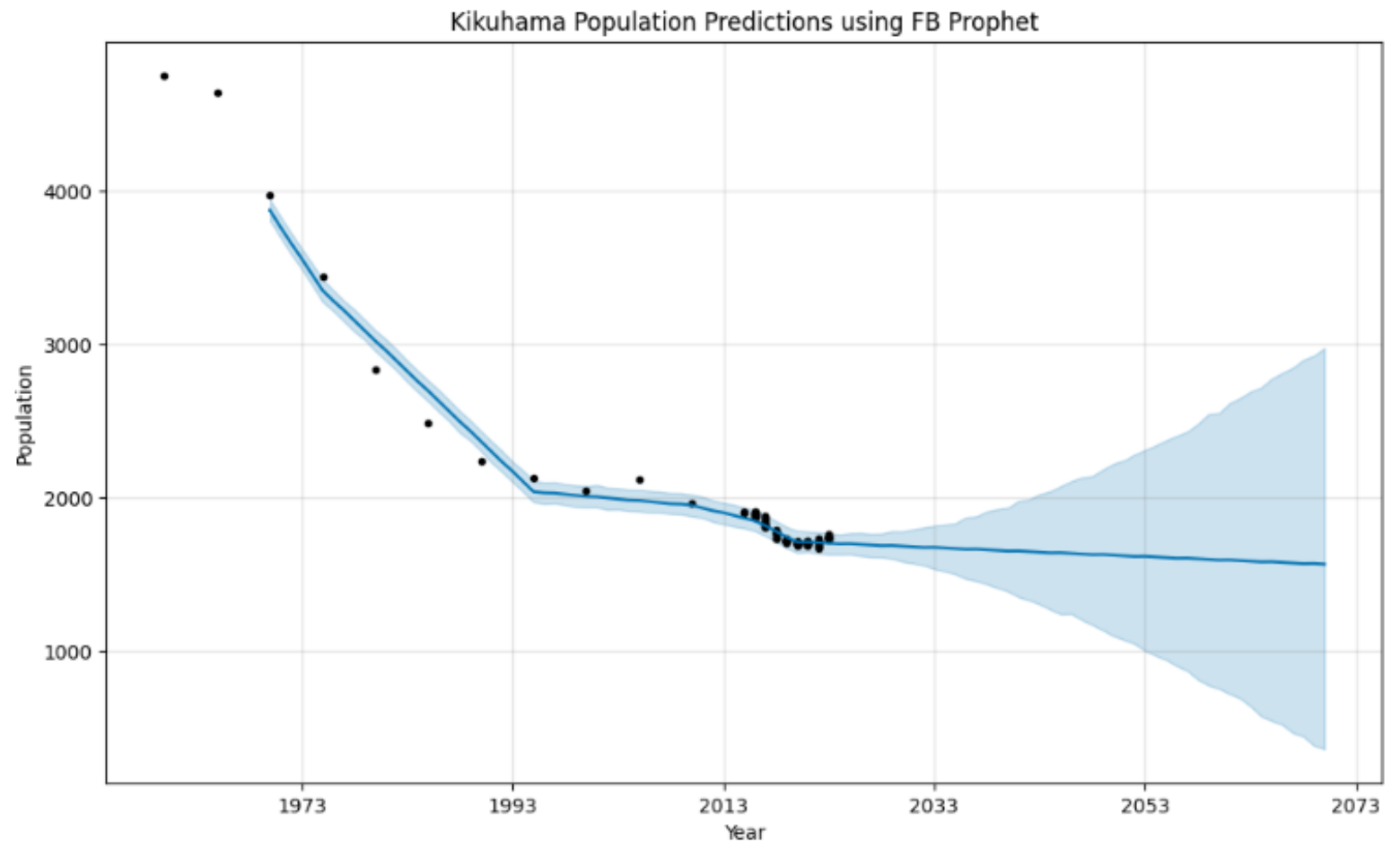


Waves of Gentrification

ABOUT KIKUHAMA

KIKUHAMA'S DEMOGRAPHIC

- Census data analysis
- Categorizing current residents
 - life stages, household size



Population Prediction
 After 1993 steady decline accurate until 2033 where there could be drastic changes

	Kikuhama	Kyoto
Population	10.7% Decrease	0.8% Decrease
Households	9.41% Rise	3.4% Rise
65+ Years old	23%	28.2%

PRESENT KIKUHAMA

INTERVIEWS (WITH REGARDS TO COMMUNITY)

- Possible presence of yakuza
- Yamauchi (Nintendo) foundation
- Residents see lots of tourists
- Mixed Opinions
 - Positive outlook
 - Concerns, especially around safety.
- Issues with Sampling



INTERVIEWS

- Development & Preservation
 - Redevelopment of old Yakuza properties seen positively
 - Short-term rentals replacing homes
 - Preserving bath house
- Economic Shifts
 - Rise in land prices and rents
- Changes
 - Many changes over decades
 - River cleanup no strong opinions



PRESENT KIKUHAMA

VISUAL INVENTORY OF COMMUNITY

- Visual inventory of each building in Kikuhama
 - Differences from previous IQP data
- Taking Photos of Buildings and Lots
 - Had to be discrete
- Finding Owners of Buildings
- Categorizing Buildings

1	Building Label	Building Type	Family/Property Owner Name	Under Construction	Picture
2	A-1-1	Residential		No	
3	A-1-2	Residential		No	
4	A-1-3	Residential		No	
5	A-1-4	Residential		No	
6	A-1-5	Residential		No	
7	A-1-6	Guesthouse	No. 10 Kyoto Guesthouse	No	
8	A-1-7	Residential		Yes	
9	A-1-8	Guesthouse	Nanajoan (七条庵)	No	
10	A-1-9	Residential		No	
11	A-1-10	Guesthouse	Canal House Takasegawa	No	
12	A-1-11	Residential		No	
13	A-1-12	Residential		No	

FINDINGS

OBSERVATIONAL DATA

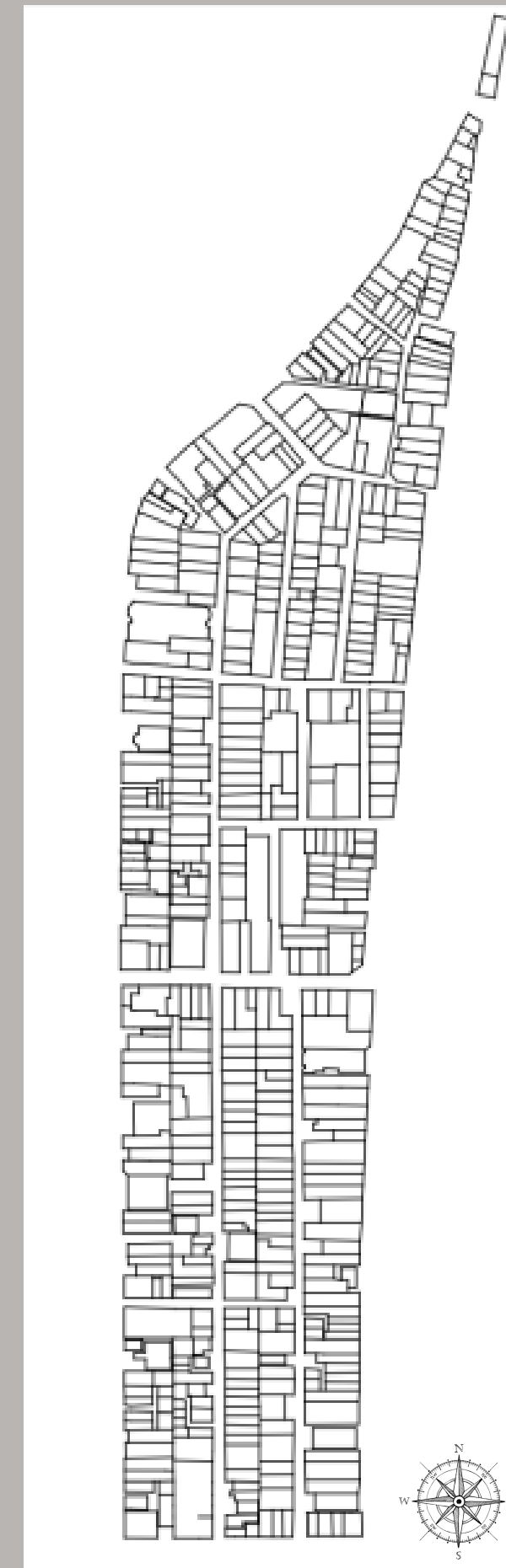
- Residential buildings about 50%
 - Around the same as previous years
- Large amount of Guesthouses
- Many Empty Lots and Abandoned buildings
- Used along with census data to create an average people per residence
 - 4.44 PPR

Color Legend	Building Category	# of Building	% of Building
	Residential	397	53.87
	Guesthouse	74	10.04
	Business	72	9.77
	Abandoned	68	9.23
	Parking Lot	50	6.78
	Business/Residential	31	4.21
	Empty Lot	18	2.44
	Hotel	16	2.17
	Temple	4	0.54
	Government Buildings	3	0.41
	Museums	2	0.27
	Schools	1	0.14
	Parks	1	0.14

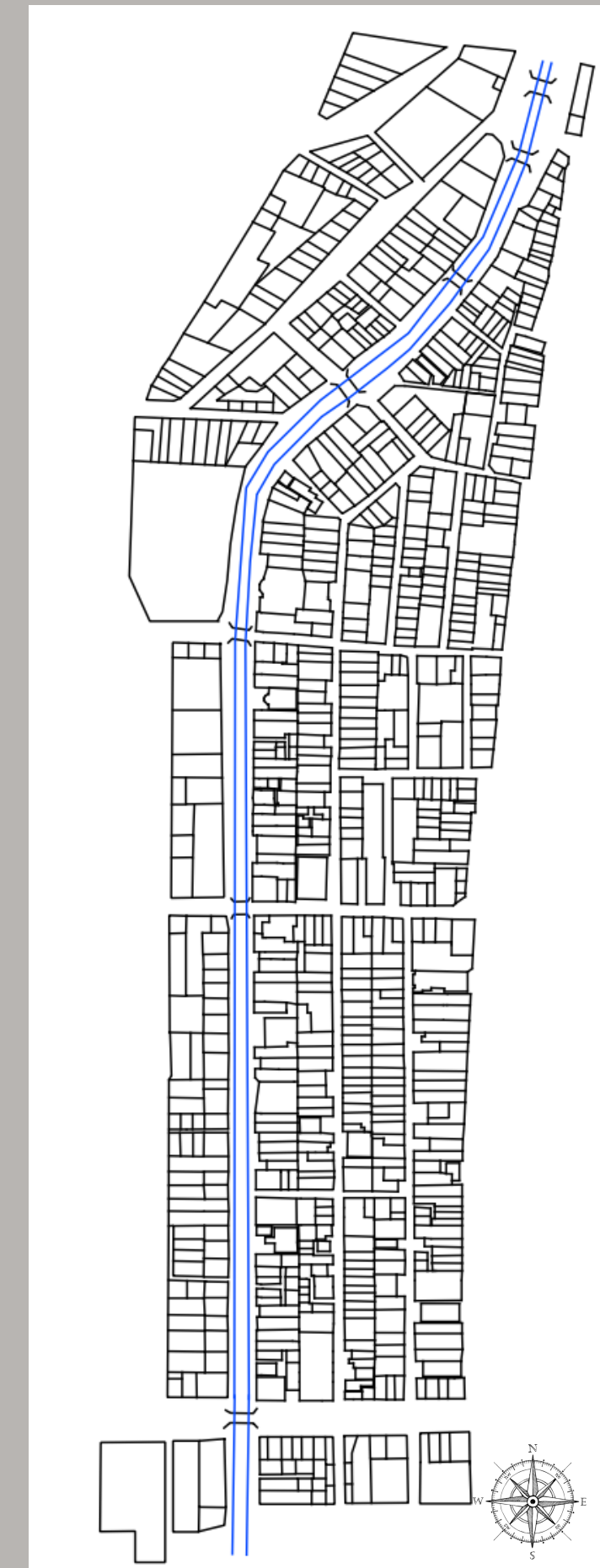
PRESENT KIKUHAMA

WE MADE A MAP

- Using data collected a map was created in QGIS
- 2019 Map was expanded
- Corrected errors from the previous years
- Color coded map to display building types





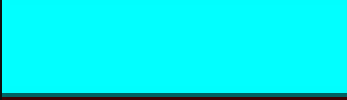










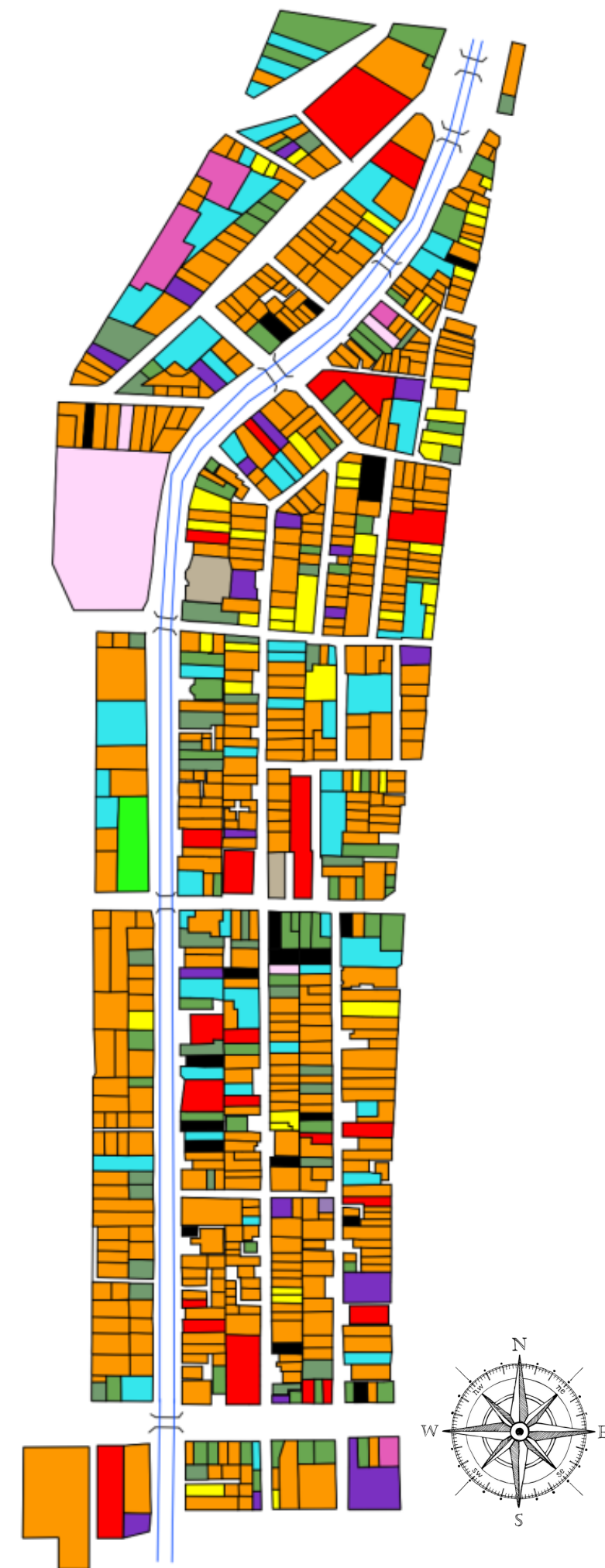
2019 Map



New Map

PRESENT KIKUHAMA

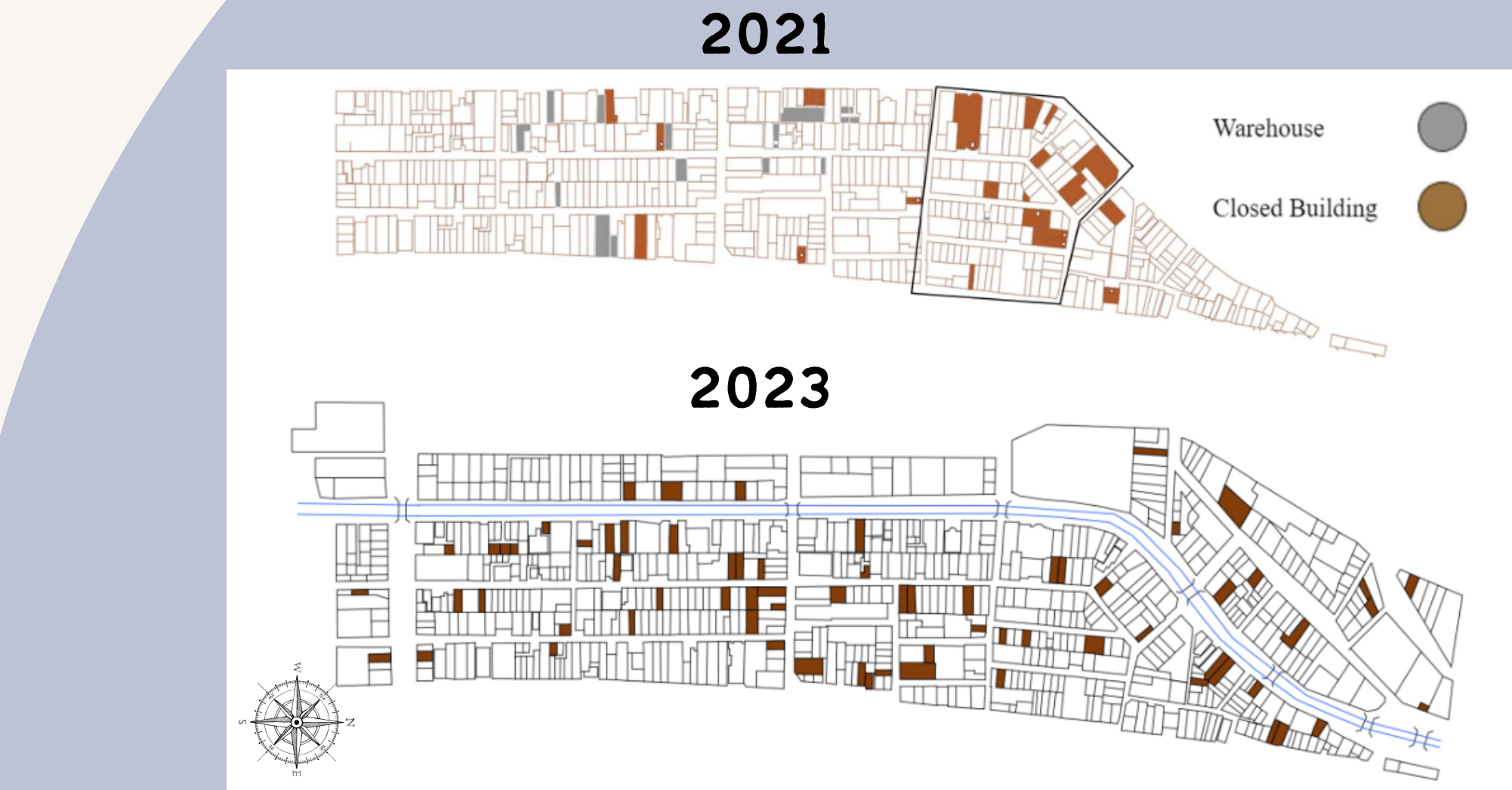
Color Legend	Building Category	# of Building	% of Building
	Residential	397	53.87
	Guesthouse	74	10.04
	Business	72	9.77
	Abandoned	68	9.23
	Parking Lot	50	6.78
	Business/Residential	31	4.21
	Empty Lot	18	2.44
	Hotel	16	2.17
	Temple	4	0.54
	Government Buildings	3	0.41
	Museums	2	0.27
	Schools	1	0.14
	Parks	1	0.14



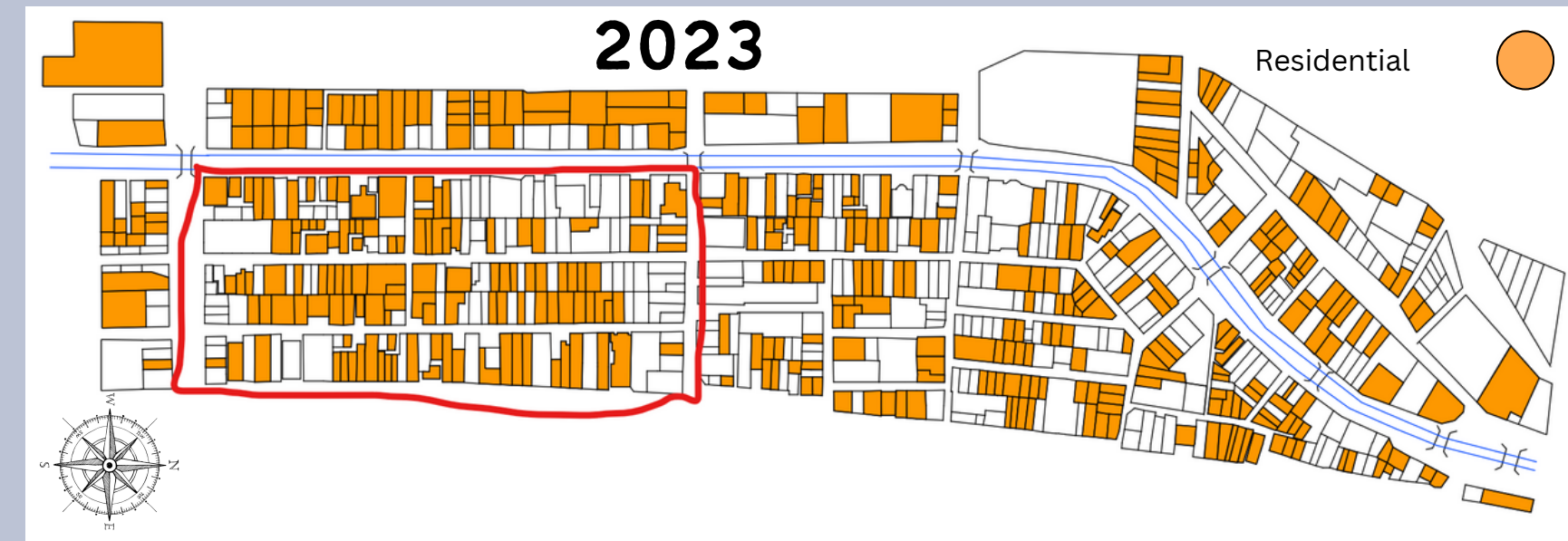
FINDINGS

CHANGES FROM PAST YEARS

- Because of the map expansion, we could only use a portion of our map for comparison
- Abandoned buildings
 - Increase in dense residential areas
 - Showing population decrease
- Future predictions for abandoned buildings
 - Guesthouses



Color Legend	Building Category	2019 # of Building	2019 % of Building	2021 # of Building	2021 % of Building	2023 # of Building	2023 % of Building
	Abandoned	17	3.34	22	4.20	53	10.11



FINDINGS

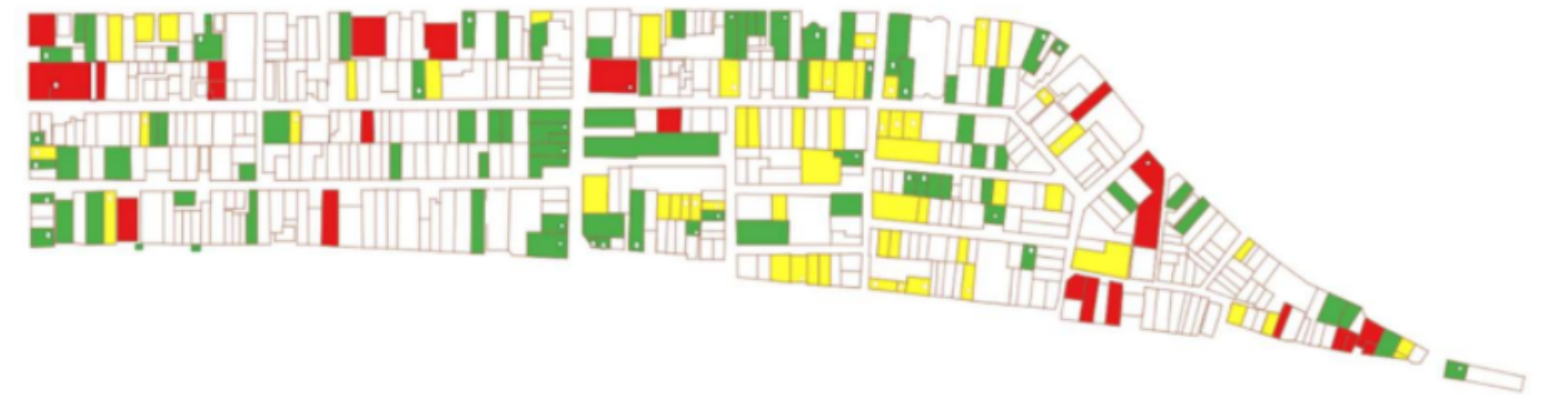
CHANGES FROM PAST YEARS

- Commercial Buildings
 - Includes Hotels, Guesthouses, Businesses, and Business/Residential
- Gradually increasing from 2019
- Highlights inconsistencies in the 2021 research

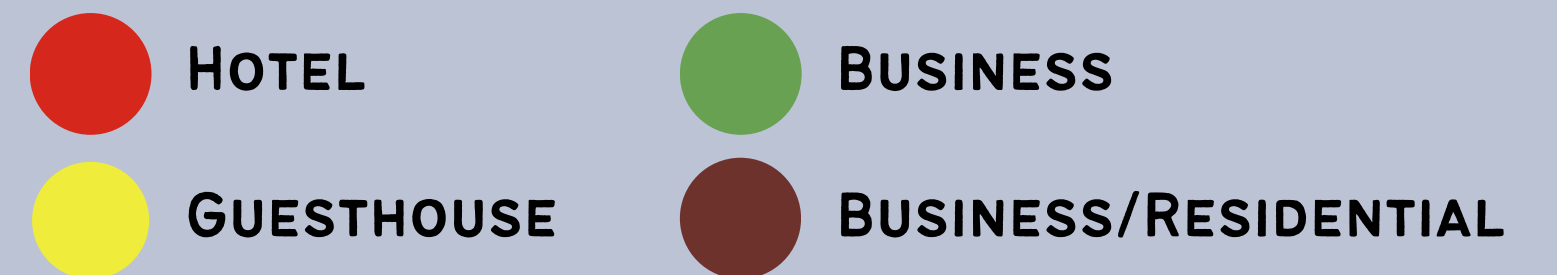
2019



2021



2023



RECOMMENDATIONS

ADVICE FOR THE FUTURE

CULTURAL NUANCES

Respectfully explore Kikuhama's quiet customs complex history, demographic nuances, and community perspectives

MAINTAINING CATEGORIES

Keep categories of buildings same in order to make analysis between years more accurate

PROACTIVE ENGAGEMENT

Engaging with community leaders and businesses offers unique perspectives to enhance understanding

THANK YOU

QUESTIONS?



Kyoto Project Center

For the past 4 years, we have been exploring the Kyoto prefecture. From augmented reality tourism to sustainable farming practices, students have explored the multifaceted challenges presented by an intriguing city that blends history and modernity.

About the Project

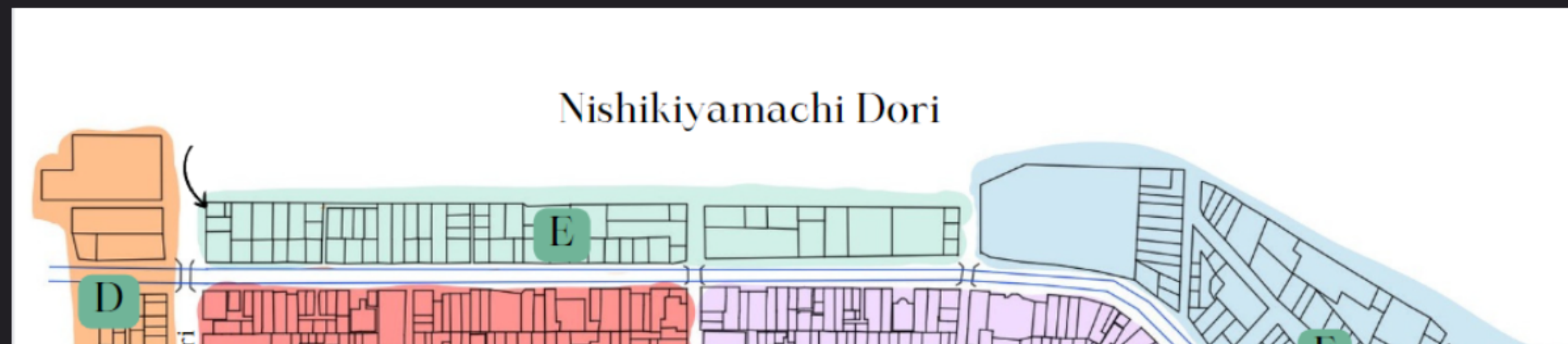
Welcome to the heart of transformation, where history meets innovation in the district of Kikuhama in Kyoto. Our project is more than an urban revitalization endeavor; it's a commitment to preserving the rich heritage of Kikuhama while ushering in a vibrant and sustainable future.



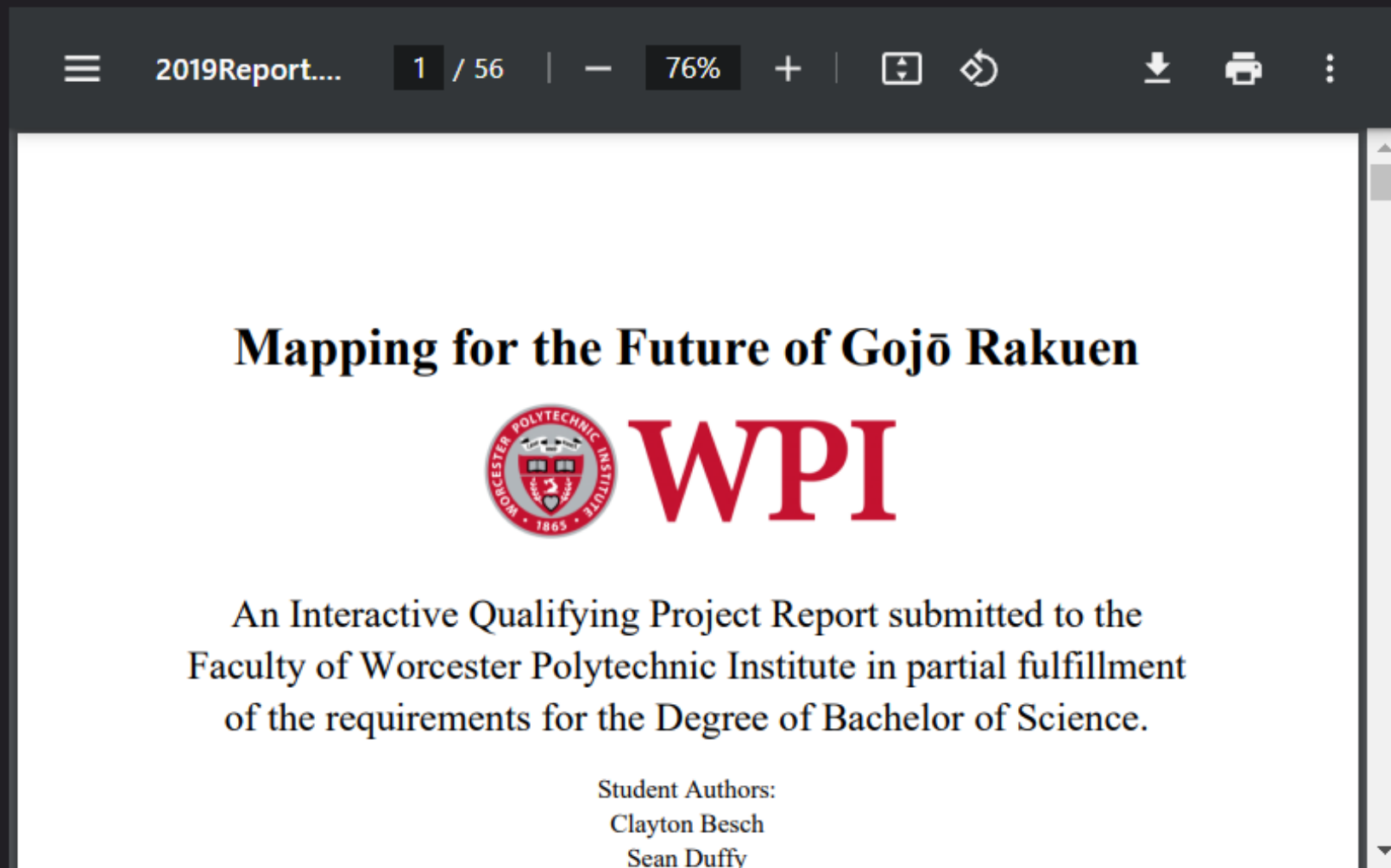


Mapping Kikuhama 2023

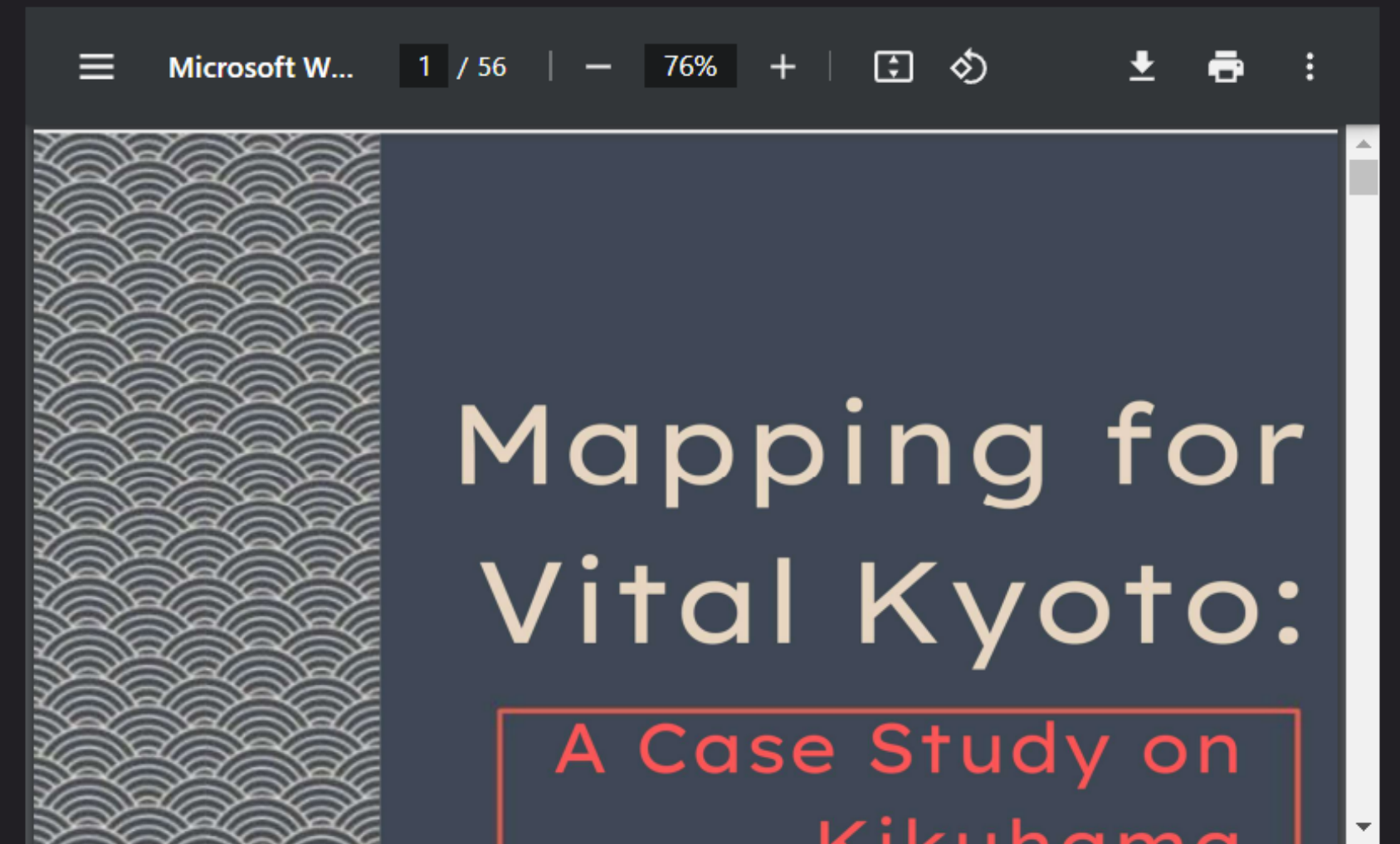
From October to December, our team of 4 students spearheaded the Mapping Kikuhama project. During our endeavors, we mapped the entirety of the Kikuhama neighborhood, including new areas that were excluded from previous IQPs, and classified each building in the neighborhood to observe how the neighborhood has changed from past years. We also conducted interviews to gauge local's views on the town, their view on the Nintendo Foundation's financial interests in the neighborhood, and learn about the people themselves.



Past Projects



Mapping for the Future of Gojo Rakuen (2019)



Mapping for Vital Kyoto: A Case Study on Kikuhama (2021)