

Project Goals

- Development of a community space along the Takase River
- Understand the history of the Canal and current renovation
- Analyze relationships between ecosystem and community along the Canal
- Determine what the locals would like to see



A Neighborhood Left Behind

The neighborhood facing restoration is known for Burakumin

Part of a caste system in Japan

Face discrimination in employment

Historically underclass, so likely don't have much of a voice



ttps://www.straitstimes.com/asia/i-wanted-to-escape-this-life-by-hiding-who-i-was

Environmental Justice

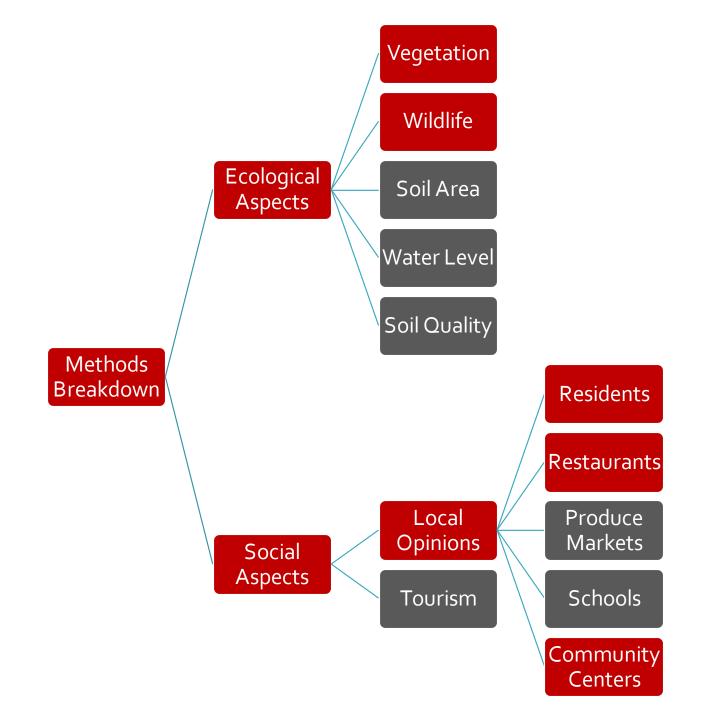


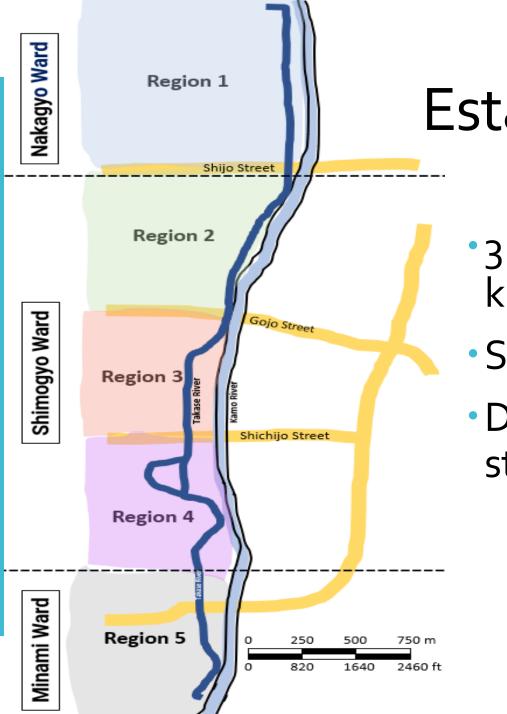
https://www.kyotojournal.org/uncategorized/feeling-the-trees-shivering-endangered-environmental-knowledge-in-northern-kyoto/

- Urban Burakumin live in substandard conditions
- Many homes are cramped and poorly constructed
- Marginalized groups are disproportionately affected by environmental harm
- Machizukuri (neighborhood groups) gained power in Japan during the late 20th century
- Buraku Liberation League



Methods





Establishing Discrete Regions

- 3 Wards: Nakagyo-ku, Shimogyoku, and Minami-ku
- Self-imposed regions
- Divided based on Ward and Major streets

Ecological Aspects

Vegetation Analysis

- Created database of plants and trees
- Vegetation Identification Software: PictureThis!



Wildlife Analysis

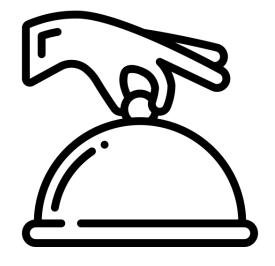
- Identified wildlife species in regions 3 and 5
- Completed onsite research throughout the day
 - 6am, 10am, 2pm, 6pm
- Animal Identification Software: Seek by iNaturalist



Analyzed Metrics



Vegetation Biodiversity

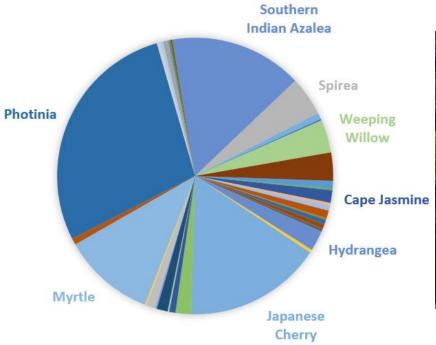


Produce Edibility



Potted Plants

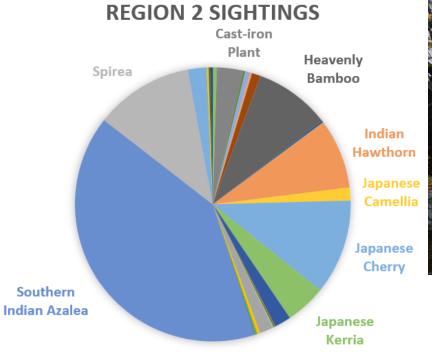
REGION 1 SIGHTINGS







Region 1

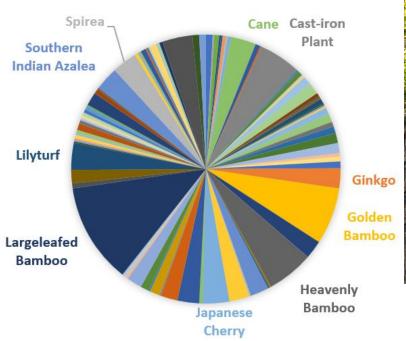






Shijo St.

REGION 3 SIGHTINGS



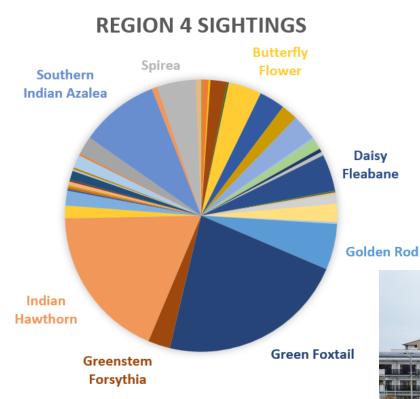




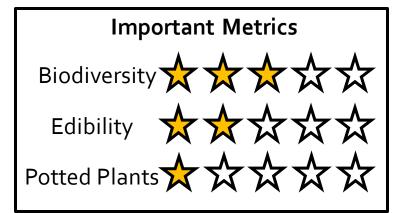
gojost.

Important Metrics



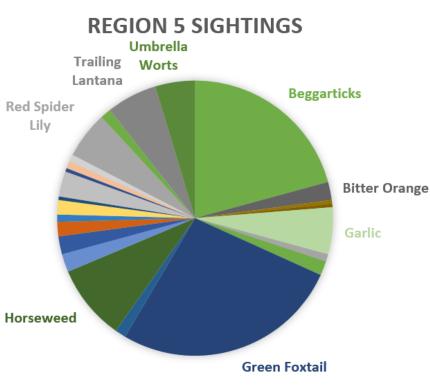


Shichijo St.















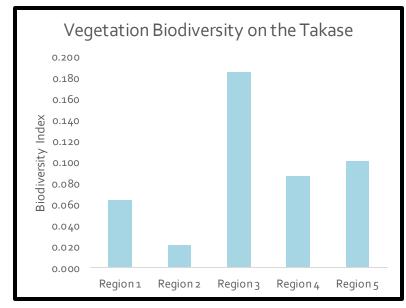
Important Metrics

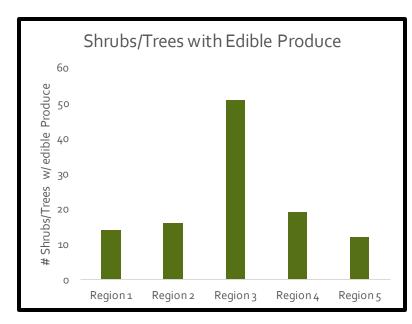


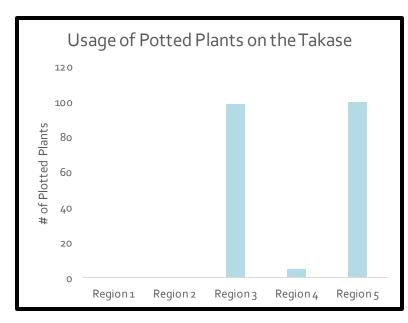


















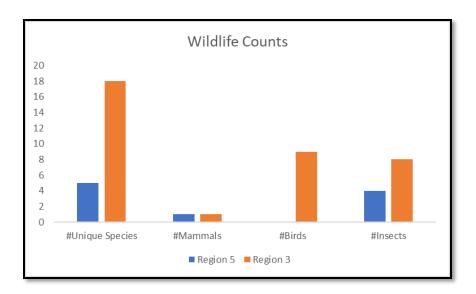


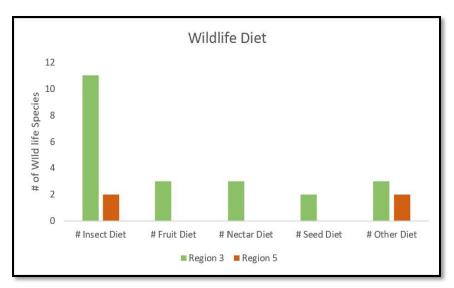
Region 3



Nakagyo Ward Shijo Street Region 2 Shimogyo Ward Region Shichijo Street Minami Ward Region 5

Wildlife Analysis







Social Aspects

Interviews



In-depth and descriptive anecdotes



Surveys



Quantitative data



- Understand public opinion regarding the river
 - Make people aware of the project
 - Let the locals say what they want instead of imposing ideas onto them

Interview Analysis

Revealed that the community has a general distaste for the removal of trees by the city contractors.

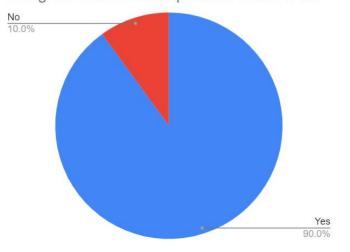
Aesthetic is a common worry among interviewees

Few community members voiced out the risk of trees causing damage to structures and harming citizens.

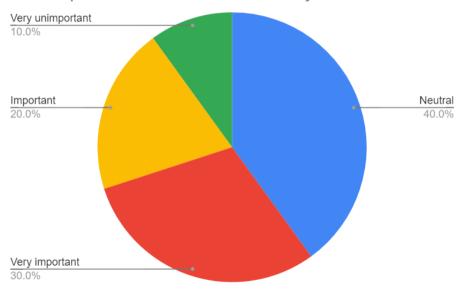


Survey Analysis

Are you aware that some of the plants/trees along the Takase River produce edible fruit?



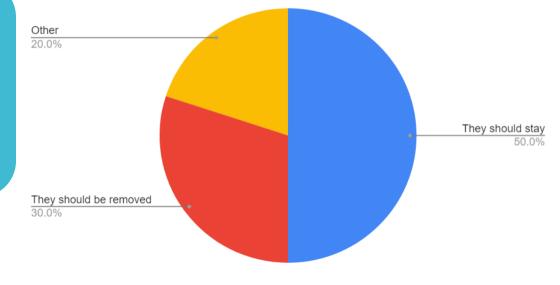
How important is the Takase River in your life?



 The data does not indicate that there is one clear answer

Low response rate

What do you think should happen to the plants and trees along Takase River?

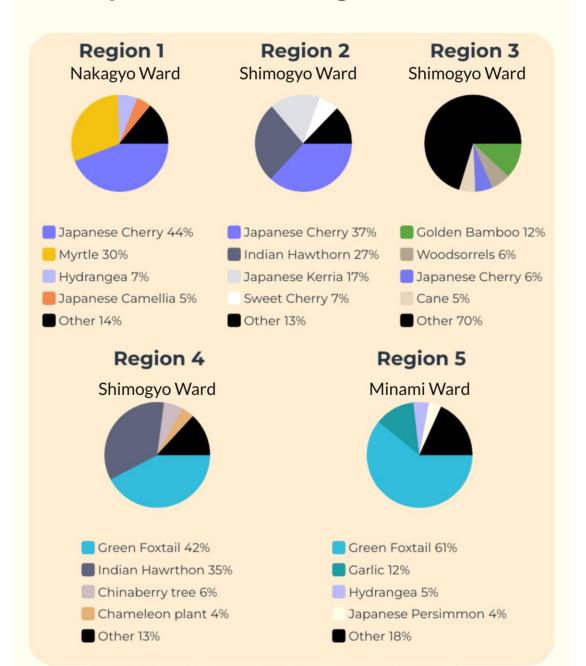


LOCATIONS OF WILDLIFE IN REGIONS 3 & 5

REGIONS 3 & 5 Region 3 Birds **Mammals** Insect Region 5 Birds Mammals Insect



Edible plants found in along the Takase Canal



Conclusions

- 1. This neighborhood has been overlooked
- 2. Fruit trees affected the ecosystem of the canal
- 3. Upstream canal maintenance changed ecosystem
- 4. There was a lack of consideration from the government
- 5. Community split on value of trees





More research needs to be done before anything is implemented



Establish a community presence through social media

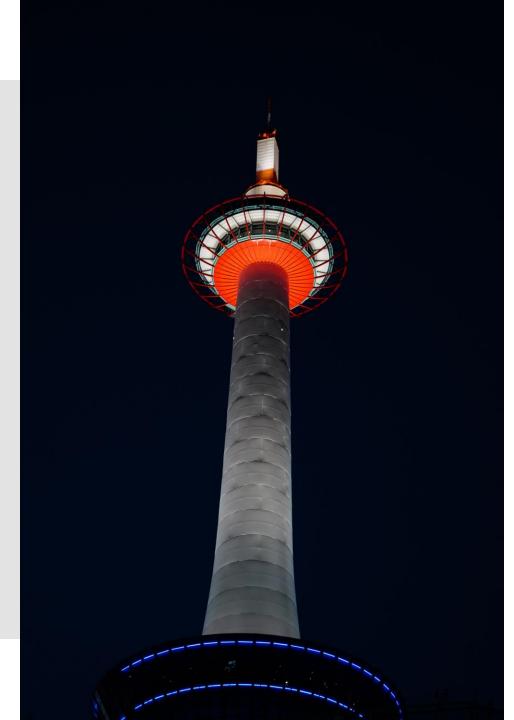
Recommendations



Improve survey data collection methods



Increase scope of community project research



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Team 2 Canal Restoration

ThankYou for Listening!

