



Barrio Lucha de Los Pobres:

Creek Assessment

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1) Analysis

Identification of target issues

1. Off-site analysis
2. Field trips
3. Conclusions

Environmental Hazards

1. Air quality contamination by nearby factories

No mention about similar factories as a water-polluting factor for the creek



SITUATION



2. TRASH and waste management



Used methodologies

observation



photography - analysis



mapping different layers



brainstorm - spider diagram



participative - survey



participative - likert-scale



participative - recognition



observation - tracking



Fieldtrip I: Observation

Observation of the creek separating La Lucha
de Los Pobres and El Mirador



Overview

Impression after first walk

- Private areas
- Walkable and less walkable areas
- Recreational places
- Agriculture

...

Land ownership matters!



On-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

Conclusion

Accessibility

At first glance, the creek appeared connected accessible, however, further exploration revealed difficult areas to access

- Stairs up to the street are carved out in the hill side
- Paths have been intentionally created by someone



On-site analysis

At FLACSO

Fieldtrip I

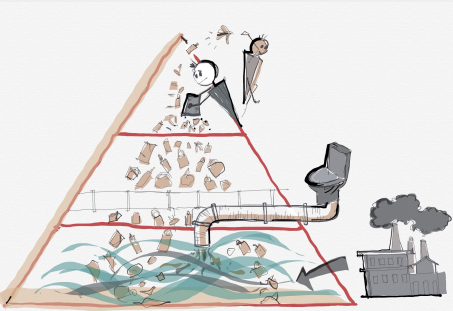
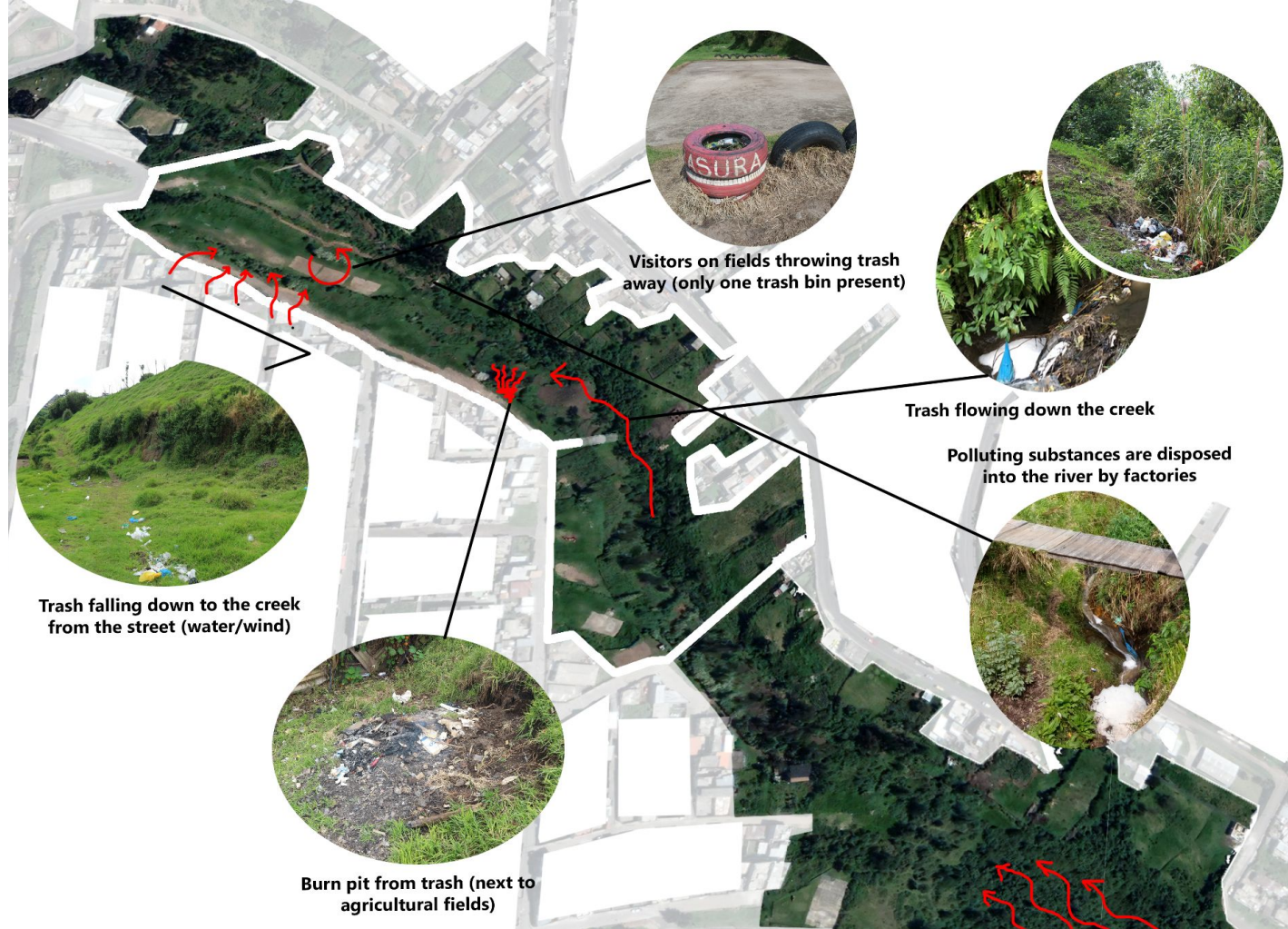
Fieldtrip II

Conclusion

Contamination

The creek water is highly contaminated

- People dispose their solid waste
- Informal houses dispose their sewage
- Factories dispose their toxic waste



On-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

Conclusion



Sports and Activities

Spatial Boundary



Vegetation

Recycling

Garbage

Dogs

Playgrounds



Cattle

Agriculture



Water Quality

LA LUCHA DE LOS POBRES

ARGELIA



On-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

Conclusion

Fieldtrip II: Qualitative Analysis



Off-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

Conclusion

Survey Analysis

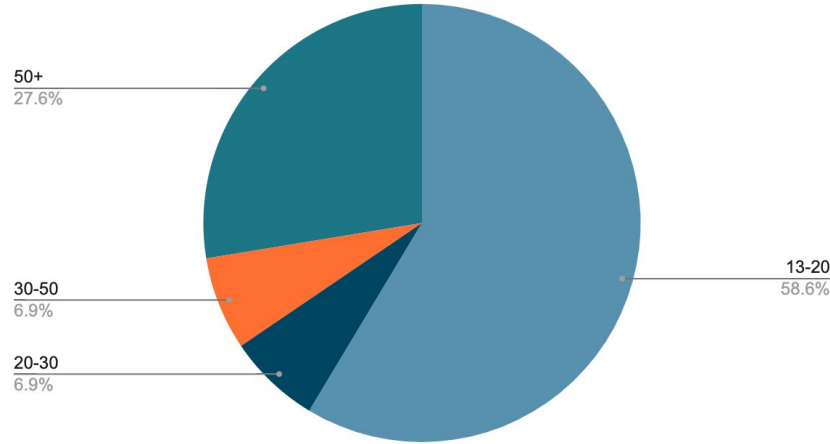
La Casa Barrial De La Lucha Baja

29 People Surveyed

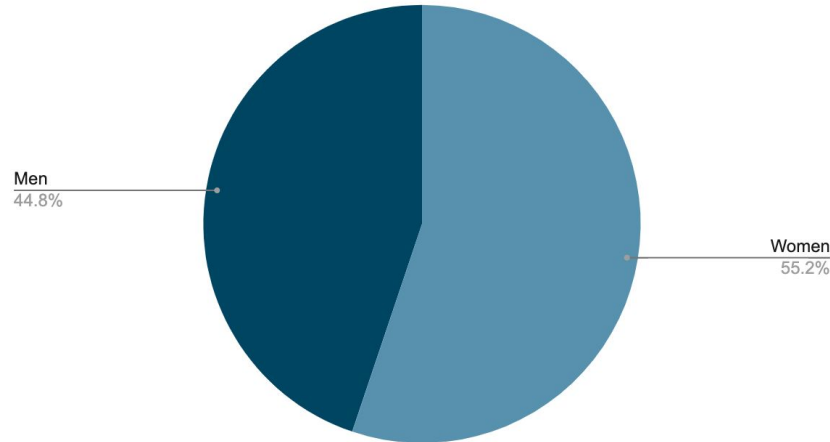
March 19, 2022

11:30 - 14:30

Ages



Genders



Demographics:

3 elder women

5 elder men

1 middle aged woman

1 middle aged man

1 adult woman

1 adult man

11 girls

6 boys

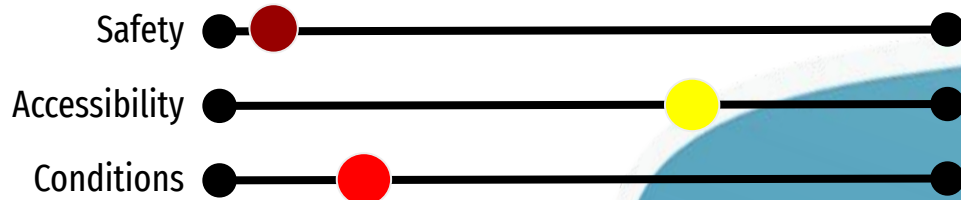
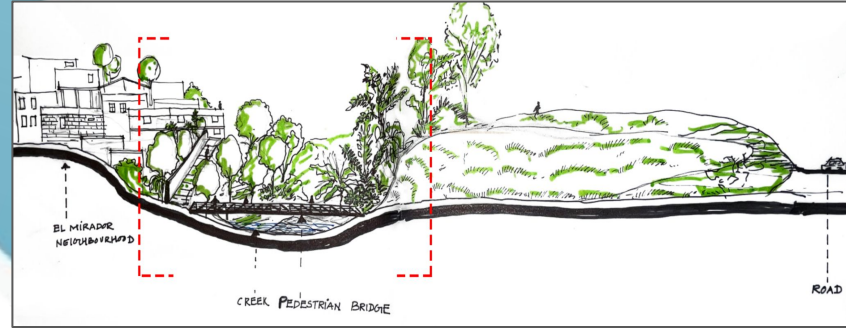
The majority of those surveyed were young and not from the area around the creek, causing some limitations when it came to our observations.

The Main Bridge

“We need more bridges like this”

“People in the neighborhood need more of consensus about what is happening in the area, as well as additional awareness and education”

“We can organize with the authorities to be safer so there will be no problems”



Off-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

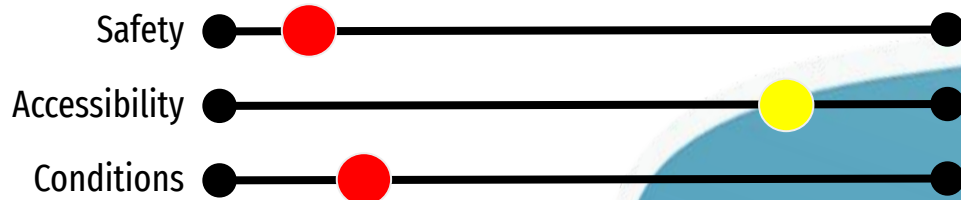
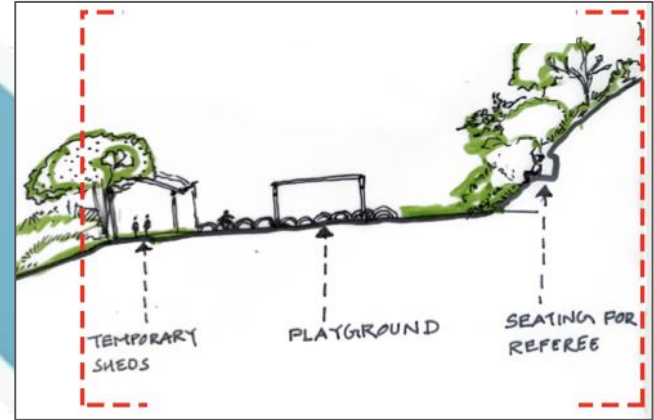
Conclusion

The Sportsfield

“Needs more seating, with height to improve comfort”

“We can improve how to throw away the garbage in order to not to destroy our plants on the field”

“I like to come here for sports”



Off-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

Conclusion

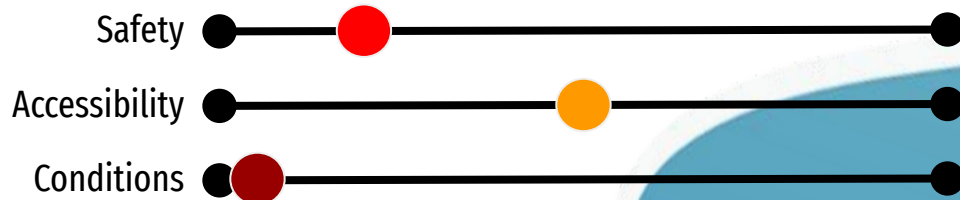
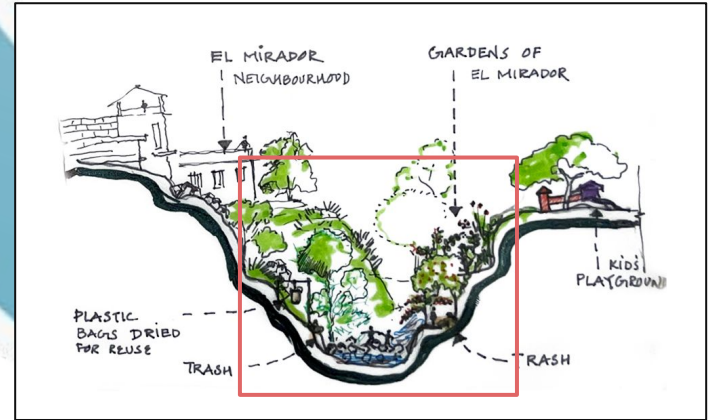
The Creek

“Needs better construction”

“This area needs a lot of improvement”

“It needs to be cleaned”

“Needs a lot of improvement - sometimes there's flooding with agriculture”



Off-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

Conclusion

General Questionnaire

"In case of an emergency we call the police."

"I cannot imagine a time in the future where we can use the ravine again. I would like to go swimming [in it] and to have a park near the creek."

"There is none here, we want tourism now so it will help with the economy."

"The creek is public, for everyone"

"[Around the creek] We might fall, slip, get robbed..." (it floods in the north, not the south but when it rains it can flood)

"We cannot imagine how the creek will look in the future. I would like trees with fruits, touristic park, and fishing."

"We get our information from authorities, WhatsApp, Facebook, calls"

"There is little water and no one is maintaining the creek. It's very bad, dirty, and contaminated. It's been this way for a long time. We have a lot of vacant land. It [the creek] is bad for the health, too contaminated"

"We need more parks in La Lucha."

"There is no program, I would like something for reducing waste."

"We [the women] want to paint, garden, play football, ecuavoley, and basketball."

"We are missing maps, and social media share the map to indicate."

"We want to add bins, the garbage system not so good."

"Seeing trash around the creek is ugly, and feels scary."

"To avoid danger we go to school by bus and don't walk"

"School and education is first step to create change."

contamination

information

recreation

security

other

Off-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

Conclusion

Limitations

PARTICIPATION

Most of the people interviewed where non-local kids

Language barrier

Neighbour's negative perception towards the creek

PICTURES & MAPPING

Only two field visits

Lack of proper information from manzana leaders ("creek is fine")

Limited quality of base maps provided

TECHNICAL ANALYSIS

No contact with contaminating factory in the creek

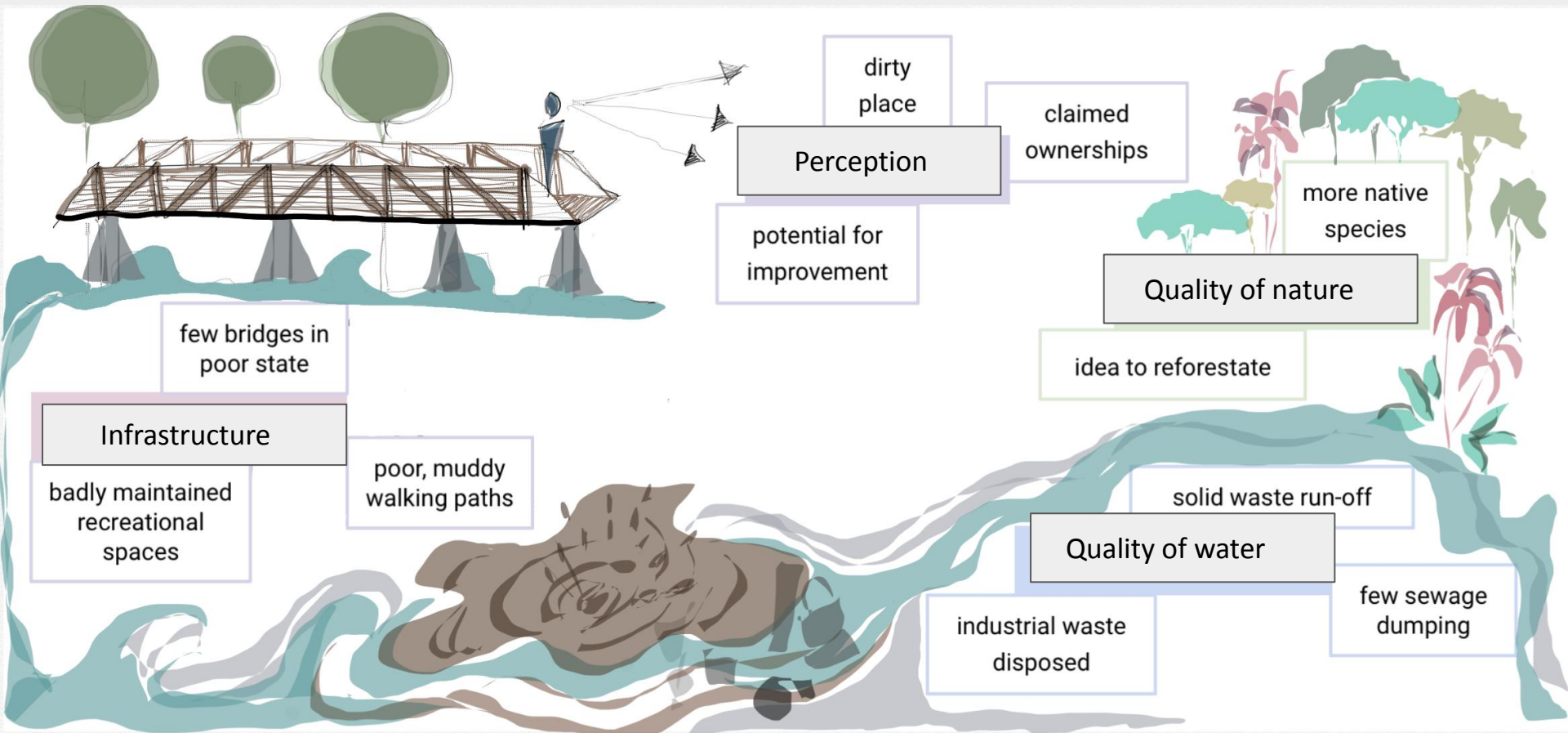
Limited own expertise on ecology, contamination

OBSERVATIONS

slippery area in the creek

initial climate analysis did not include the creek

Conclusion



Off-site analysis

At FLACSO

Fieldtrip I

Fieldtrip II

Conclusion

2) Proposals

Socio-spatial Recommendations

Overview

Where to intervene ?

Recreation

How to activate the space?

Accessibility

How to access the area ?

Water Quality

How to reduce contamination?

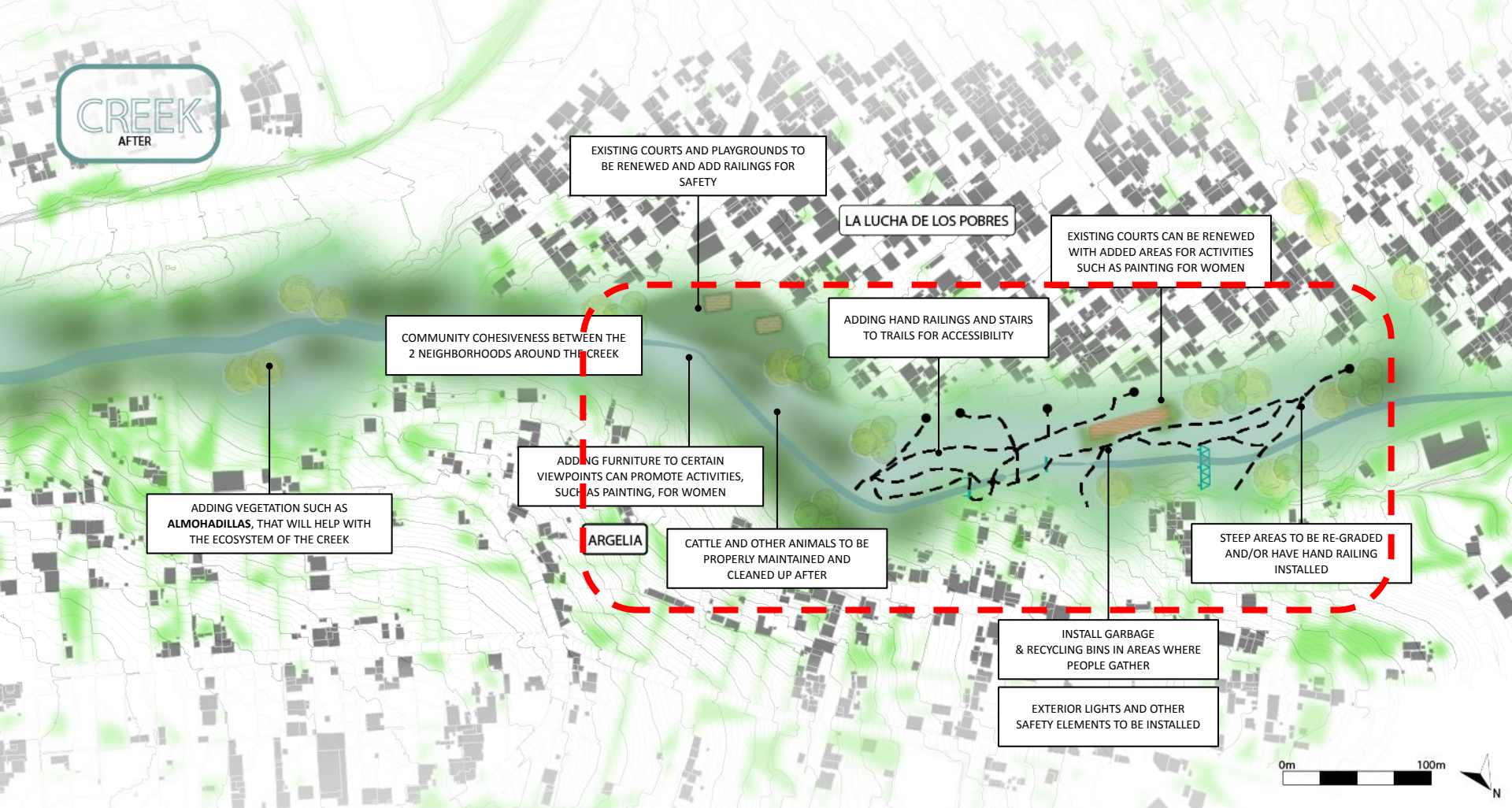
Awareness

What are the steps to be taken?

Stakeholders

Who to work with?

CREEK AFTER



Overview

Recreation

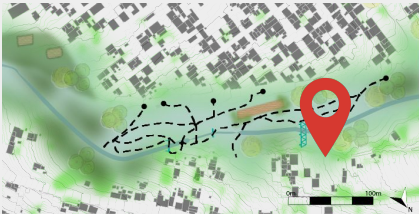
Accessibility

Water Quality

Awareness

Stakeholders

Principal Bridge
existing situation



Principal Bridge proposal

STREET LIGHT

RETROFITTING THE BRIDGE

RECYCLING BINS

STREET FURNITURE

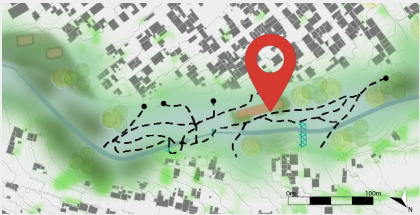
PAVEMENT

NATIVE PLANTS

Almohadilla, Polylepis Incana, Bromeliaceae



Ecuavoley Courts
existing situation



Ecuavoley Courts *proposal*

FIELD LIGHT

RETROFITTED PLAYGROUNDS

SHADED SEATING AREAS WITH SHOPS

IN GROUND SEATING

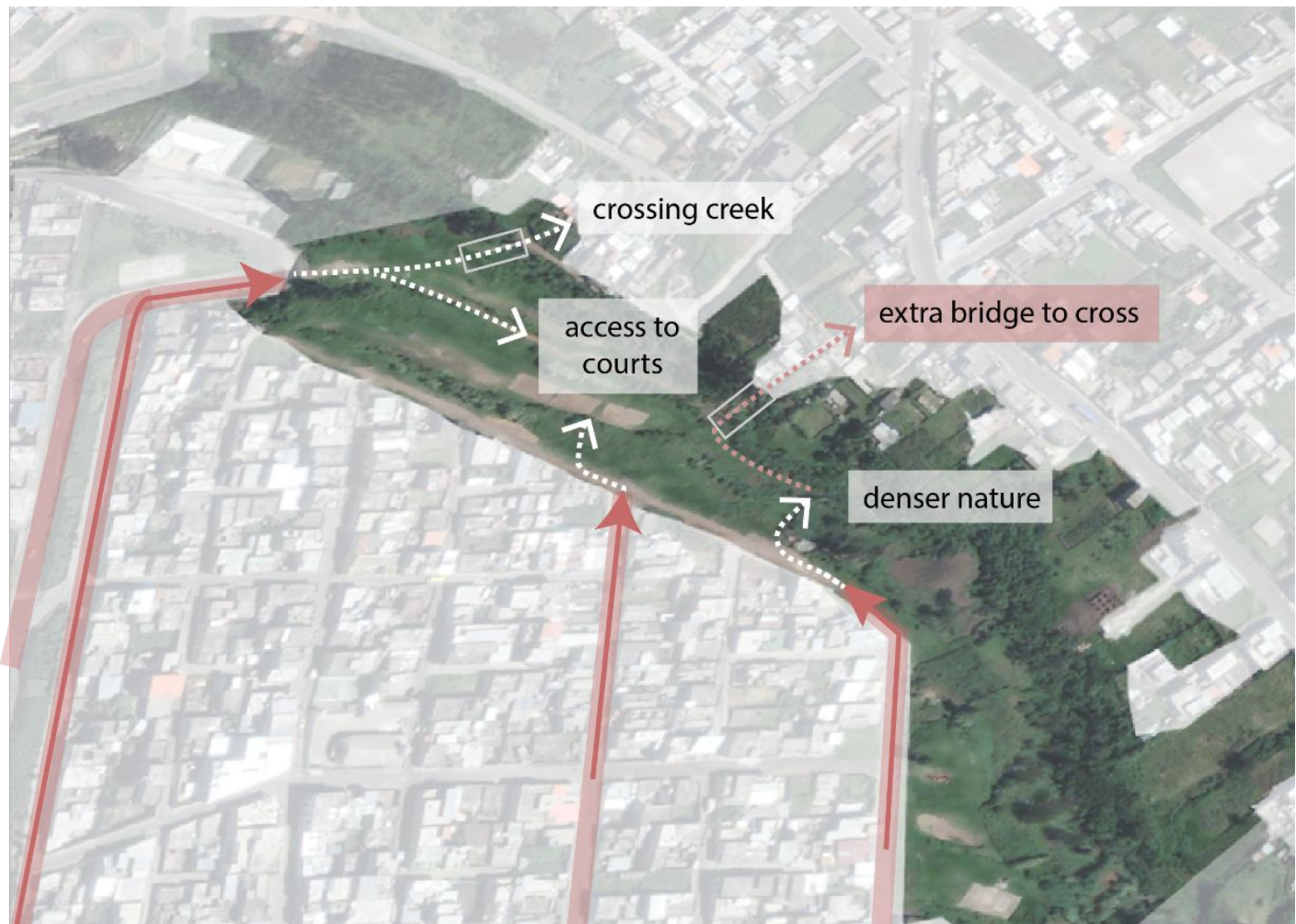
STEPS FOR ACCESS





RECYCLE BINS



Accessibility

Revitalize wooden bridge to have an extra, valuable point to cross the creek



-  main route to creek
-  primary entrances
-  secondary entrances
-  bridge

Policy level (government / district)

Implementing strict policies regarding the wastewater from the textile industry (Filtration, Proper Disposal...)

Local Level (manzanas)

Proper trash Management System to avoid people throwing their trash in the creek

WheelBarrow Access to remove trash from the creek to areas accessible by cars



District level (Argelia and LLDLP)

Sewage system management since some informal houses around the creek from both sides (LLDLP and El Mirador) dispose their solid and liquid waste in the creek

Awareness - types of programs



The creek and Native Plant Species

Produced by:
Jocelyn Keller

The creek, water, and You!

Produced by:
Jocelyn Keller



The creek and How To keep it clean

Produced by:
Jocelyn Keller



Pumamaqui

(*Oreopanax Ecuadorenسيس*)

This shrub is native to the Andes Forest!

Its name comes from the leaves they are in the shape of a pumas paw!

(The leaves can also be used to make tea)



Accumulation

Step #4

Accumulation is when you see the water again in the creek!



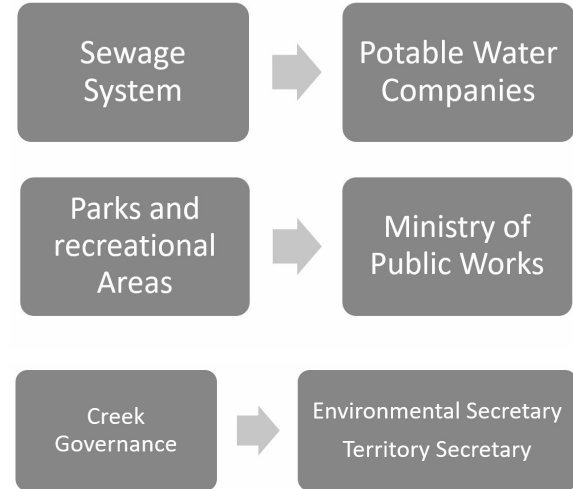
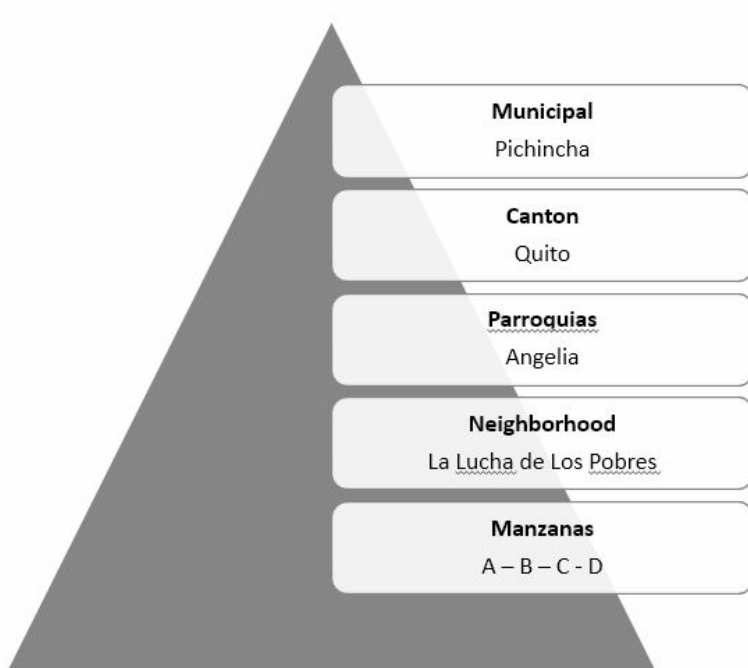
compost

Composting is when you take your organic waste like food, and combine it with soil.

This makes rich dirt which can later be used to grow plants in your garden!



Official Stakeholders



General Conclusion

The Creek as ...



a source of clean water



a space for community
engagement



a natural environment



a place to make memories