

for

activism Information about resident, how they interpret their environment, and The interview questions were divided into 5 different categories: their experiences

1 the past and present, and how use and the relationship has changed over time How the Santiago river was used and the relationship between the riv er and the community,

discharges in the area,

(McCulligh et al., 2007, p.12).

The water has elevated levels of lead, mercury

chromium, cobalt, arsenic, fecal coliform, and other

carcinogens (Gonzalez et al., 2009, p.714)

Mosquitoes that are active 24/

Sulfuric smell from river, can permeate

closed doors

waterfall (note figure 1). Of 280 industrial wastewater

266 go to the Santiago river

two municipalities is Juanacatlán Falls, a once-popular

Salto and Juanacatlán in Guadalajara,

Jalisco.

Between

The Santiago River flows through the municipalities of El

Background

- How residents interpret the government's (federal, state, and municipal) efforts the Santiago River and improving it governanc
- Distribution of impact and benefits from the river's pollution
- 20 Interviews were Who they believe is responsible for the pollution and how they shoul activists in the local non-profit organization, conducted amongst residents of El Salto and Un Juanacatlán, d be held responsible de Vida. with some being

General themes from interviews included:

flora, fauna, and clean water for the community to live off. Santiago River Sanctuary numerous residents responded said it paradise with

One resident recalled when he could swim in the river and the various animals that lived there:

the

nose,

QR Code to video of mosquito swarm

Eight-year-old Miguel Angel Lopez Rocha. Courtesy of Type Investigations

Juanacatlán Fall, Date Unknown. Courtesy of Arquímides

Postal Stamp of Juanacatlán Fall,

The

can cause fatigue, headaches, declined memory,

waterfall creates neurotoxin hydrogen sulfide, which

irritability, and poor motor function, as well as irritating

and throat (McCulligh et al.,

2007.

p.28

limpia, podíamos este había mucha fauna. "No, pues imaginate, yo crecí en el río Santiago por como quien dice, culebras...chacales. allá me enseñó a nadar como a los tomar agua del río. Pues sí, millones de patos que había, Mucha flora, o sea que. Había patos, tortugas, Salvajería agua del río si podíamos años. Y yo nadaba en o el río porque ranas, carpas, porque yo ya lo iba tiempo. bagres. iba

ducks, turtles, frogs, carp, catfish ... snakes ... jackals. Well yes, m could at that time. And this one had a lot of wildlife. was clean, we could drink water from the river. taught me to swim there when I was 7 well imagine, I grew up in the Santiago River because I used to go there to bathe *millions* that came to the riverbank." Interviewee 3 years old. And I swam in We could take water A lot of flora, I the ri illions ver because the from the river if we of ducks

suffering for the community, as one resident states: Similar observations about the Santiago river today, that it 1S 2 pla of pain and

metropolitana del país. No, no puede ser de Santiago, hoy es todo "Sufridos como es él son los lugares de sufrimiento, pues no por es tristeza, es dolor, es frustraciones, coraje, rabia. progreso contrario, de es la muerte, zona

expand understanding of circumstances on the

Santiago

The application of environmental justice concepts can

Methodology

environmental issues and burdens (Zimmerman 1993,

Distribution refers to differences between who bears

costs and experiences the benefits (Martin et al

633).

procedures used to ensure

the

fair

distribution of

Environmental justice refers to the processes and

area of the country. "Suffered as he is the places of suffering, not because of the progr me tropolita

is frustrations, No, it cannot be from Santiago, today it is anger, rage. " Interviewee 13 the opposite, it is pa

- and municipal. 3. Distrust in government action and a lack of government action, the federal, state
- "The "El Gobierno no ha podido con este río. government has not been able to handle this river. Tell me,

of so much corruption?" Interviewee

conducted based on these

different identities

and

Document analysis and semi-structured interviews were

concepts.

environmental decisions-making (Lake,

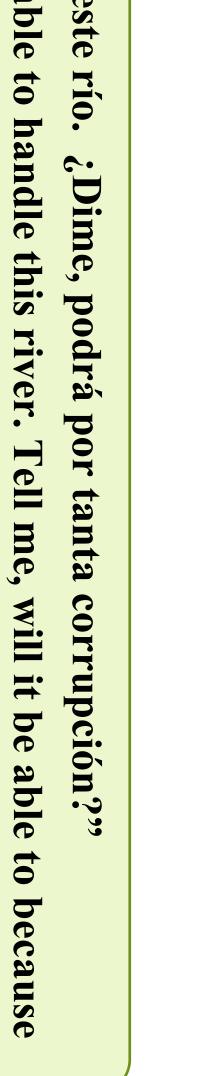
1996, p.

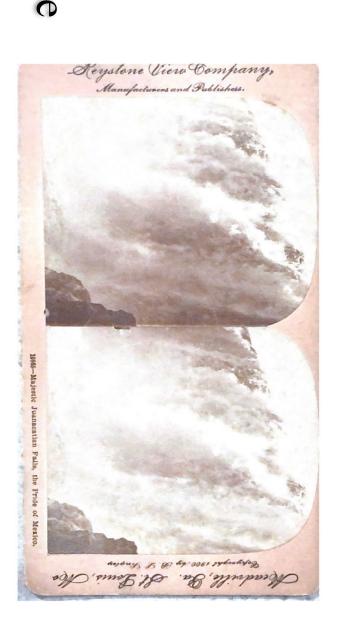
164).

Recognition refers to the consideration and respect of

Procedural justice refers to who is able to participate

2016, p. 254).





he Pride of Mexico esy of Arquímides I Flores



Photo of Juanacatlán Falls, Date Unknown. Courtesy of Keystone-Mast Collection, UCR/California Museum of Photography, University of California at Riverside

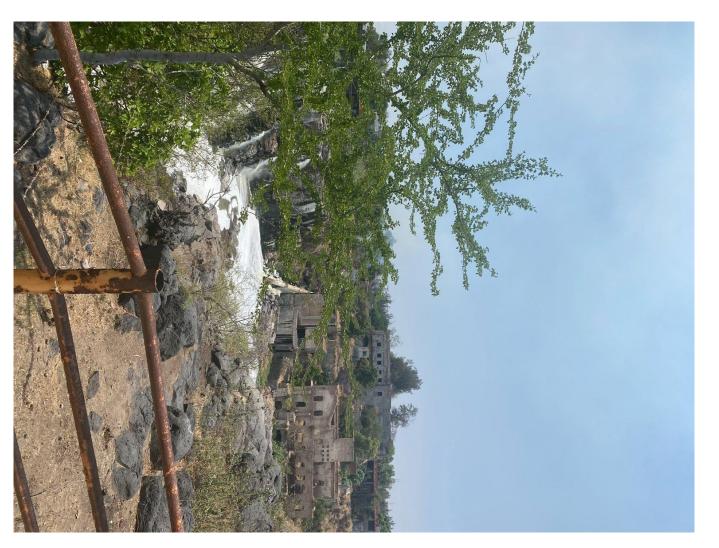


Photo of Juanacatlán Falls from May 2 2022. The rail in the image is about 10 old.



Postcards Juanacatlán Fal Unknown. Courtesy of Arquímides F Juanacatlán Falls,



Results

the 5 under Many governance within the towns of El Salto and Juanacatlán Overall, the interviews revealed a common different categories: standing of the river's history, presence, and of the interviewees revealed similar ideas across

- support life of anything. Their current environment is not ideal and cannot
- The in while today, there is a negative relationship e relationship between the community and the river past was supportive and mutually beneficial,
- the government officials, and promises about improving Th ere is a lack of trust in Santiago River. government actions
- river's pollution. Children and the elderly are the most impacted by the
- pol Œ and seeking legal action on an international scale. Industries, the government, and even the community Salto and Juanacatlán) is responsible Some ideas for justice include fines, jail, for the

More connecting interview content to documents. work needs to be done on transcribing, and then



Photo of Juanacatlán Falls, Courtesy of Jackson, William Henry, 1843-1942, photographer, Detroit Publishing Co., publisher

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mental equity: how we manage is how we