

# Safe & Reliable Water for Five Communities in Ecuador

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**Solana Beach Eco Rotary Club**

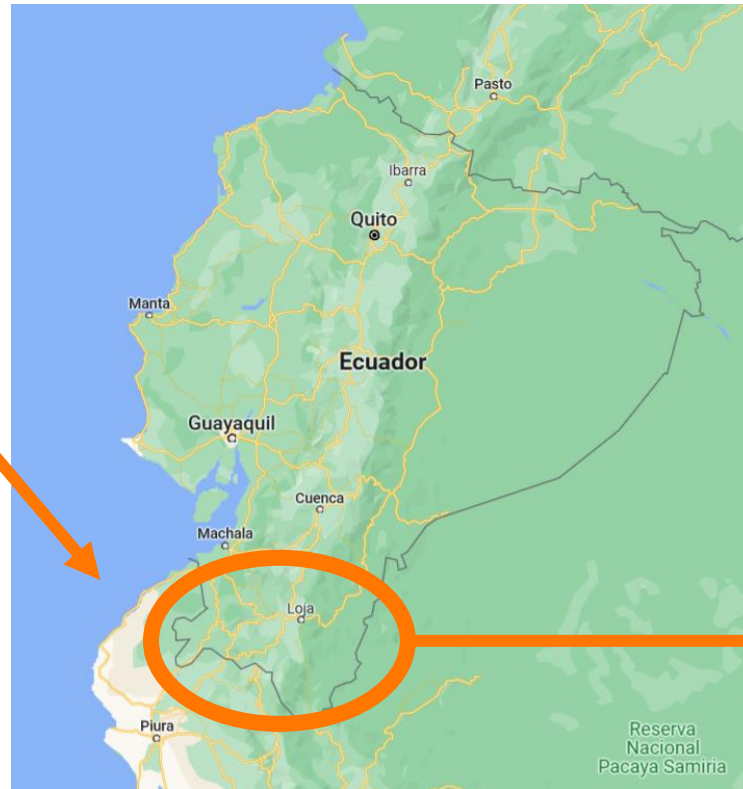
**April 2, 2024**





# WHERE IN ECUADOR?

Solana Beach Eco  
**Rotary**  
Club





# TIMELINE / BUDGET

- Community assessment
- Raising funds
- Filling online application

- Getting the funds
- Starting the project

- Finishing engineering work
- Conservation of water sources
- Trainings



- 1-year review
- 2 rounds of questions

**Total Budget**  
**\$ 69,420**

Loja Los Zarzas and Solana Beach Eco Rotary Club, District 4400 and District 5340

Rotary Clubs of Del Mar, Encinitas, Escondido, Rancho Bernardo, Rancho Santa Fe, San Marcos

Nature & Culture International



# COMMUNITY ASSESSMENT FOR EACH COMMUNITY

1. Water system repairs and maintenance training
2. Conservation & restoration of water sources
3. Water & Sanitation training





# Rotary

Loja Los Zarzas

Distrito 4400







# COCHAS DE CIANO ENGINEERING WORK

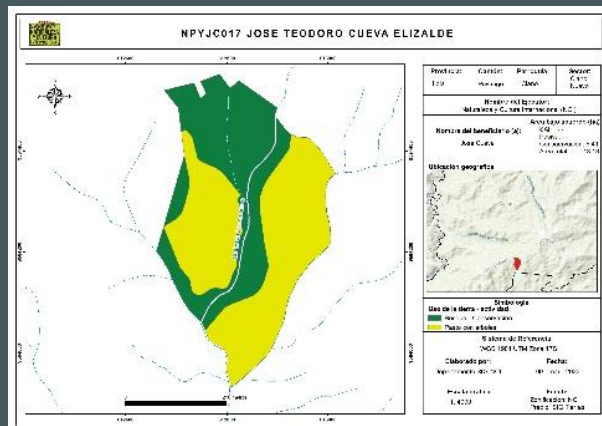






# DISTRIBUTION LINES





# CONSERVATION WORK



# WORK IN EL ARENAL

## MEETING WITH THE COMMUNITY





# CLEANING & REMODELING





# PIPE INSTALLATION





# TWO NEW WATER TANKS





# CONSERVATION WORK – EL ARENAL







## **CABEZA DE TORO NEED NEW TANK & STRUCTURE**

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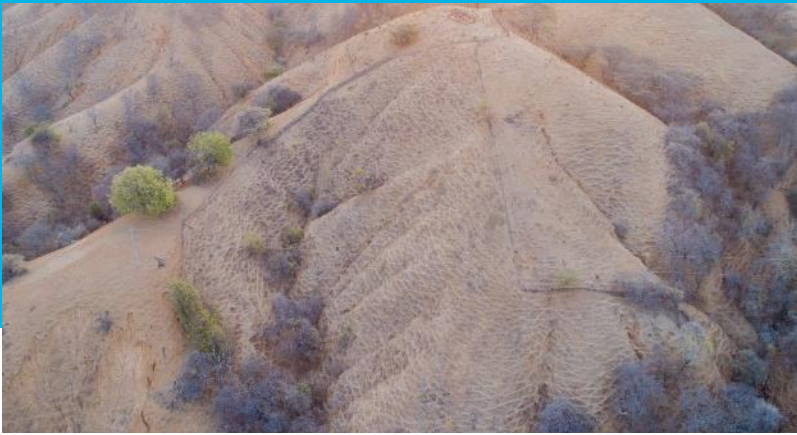
# NEW REINFORCED STRUCTURE

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# CABEZA DE TORO: CONSERVATION WORK

Fencing to enable plant regeneration + Reforestation  
Providing water points for animals  
Signage and training



# GRAMALES

Delivery of material for the water system  
Repair of the intake water source, fencing & maintenance  
Repair of transmission and distribution lines

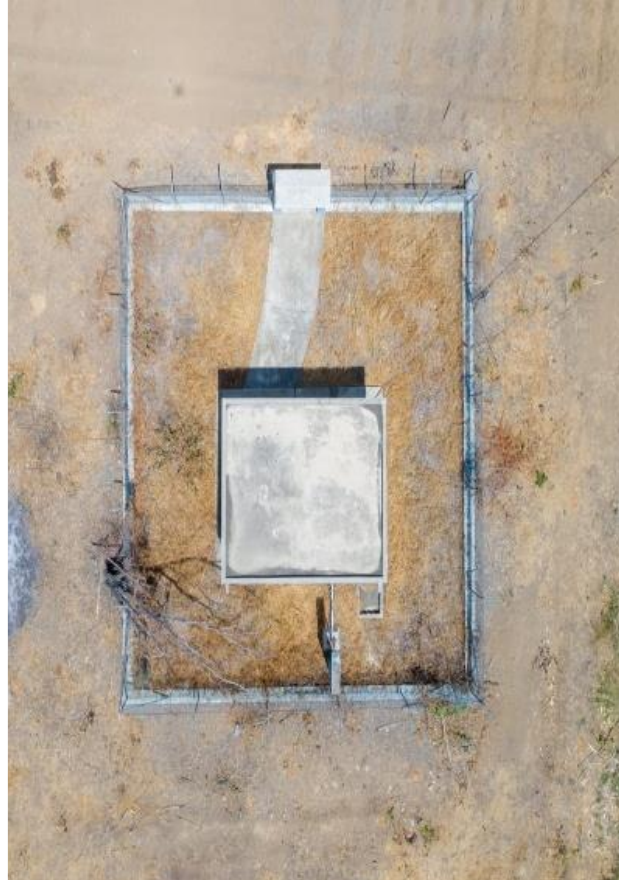




# GRAMADALES







# CAZADEROS

Water is captured through a well

Agricultural land surrounding the well

No adequate vegetation cover ensuring water will remain permanently available

Training and education needed





# CAZADEROS

New pump

New control panel and electronics

Repair of the infrastructure





# CAZADEROS

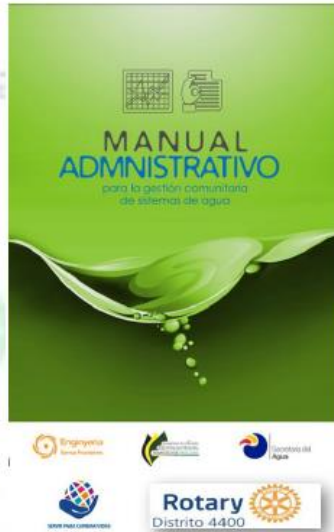
Commitment and Training of the local community to keep the catchment area clean,  
free from agrochemical bags

Training to maintain water quality (Chlorination system)

Legalization of the water board



# TRAINING IN ZAPOTILLO



Cabeza de Toro

Gramadales



GRAMADALES



CAZADEROS



CABEZA DE TORO





Solana Beach Eco  
**Rotary**  
Club



**Thank you**









The background of the slide is an aerial photograph of a wide river valley. The river, with a sandy and silty bed, winds through the center of the frame. The valley is flanked by steep, densely forested hillsides. In the far distance, a range of blue-toned mountains stretches across the horizon under a sky filled with soft, white clouds.

# AGUA SEGURA Y CONFIABLE PARA CINCO COMUNIDADES EN EL SUR DEL ECUADOR: PUYANGO Y ZAPOTILLO

<https://www.youtube.com/watch?v=GS41sWnIKL8>





Distribution of the village served by the water source  
in Cabeza de Toro





Distribution of the village served by the water source  
in Gramadales



In the Puyango ACMUS, 43 Conservation Agreements have been signed with different donors, DGD, FIEDS, AAF, and Rotary Club, covering 156.07 hectares (386 acres) of forest under conservation and 24.21 hectares (60 acres) in restoration processes.

