

# Safe & Reliable Water for Five Communities in Ecuador

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**Solana Beach Eco Rotary Club** 

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### WHERE IN ECUADOR?









#### CANTON PUYANGO



#### **SPONSORS**

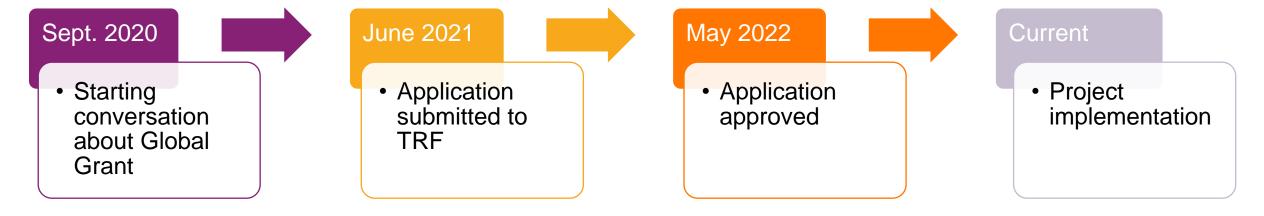
- International Club: Solana Beach Eco Rotary Club (D5340)
- Host Club: Loja Los Zarzas (D4400)
- Supporting Clubs:
  - Del Mar
  - Encinitas
  - Escondido
  - Rancho Bernardo
  - Rancho Santa Fe
  - San Marcos

Total Budget \$ 69,420

#### TIMELINE

- Community assessment
- Raising funds
- Filling online application

- Getting the funds
- Starting the project



- 1-year review
- 2 rounds of questions

### **COMMUNITY ASSESSMENT**

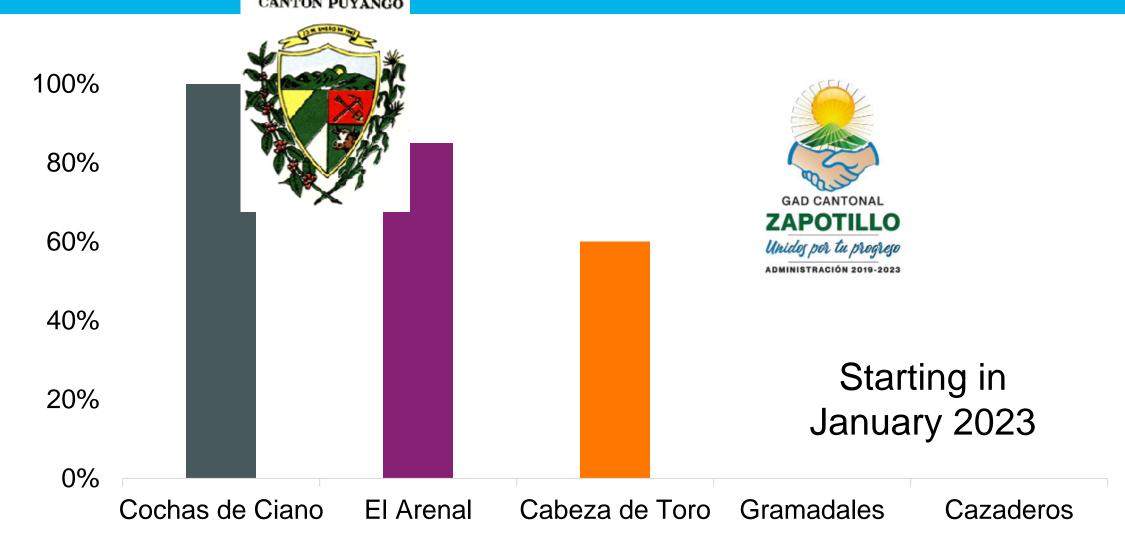
- 1. Water system repairs and maintenance training
- 2. Conservation & restoration of water sources
- 3. Water & Sanitation training







# OVERALL PROGRESS OF ENGINEERING WORK









# COCHAS – NEED NEW TILES, FILTER CLEANING, REMODELING THE PLANT









# NEW MATERIAL PURCHASED

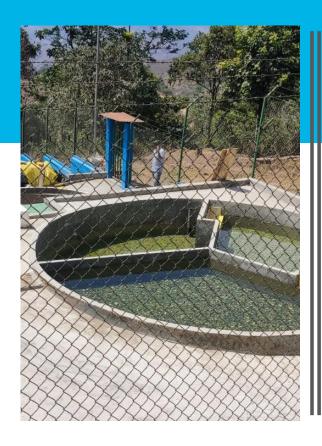






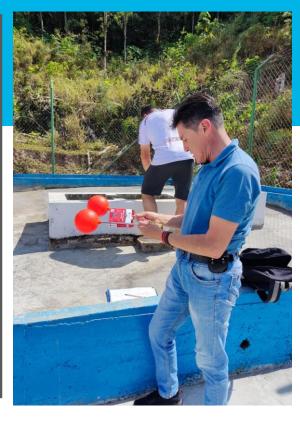


## AFTER REMODELING









### INSPECTION

**ENGINEERING WORK 100% DONE** 

## WORK IN EL ARENAL MEETING WITH THE COMMUNITY



















#### **REMOVING DEBRIS & CLEANING FILTERS**



INSPECTION AFTER CLEANING AND DEBRIS REMOVAL

### REMODELING: TILE INSTALLATION





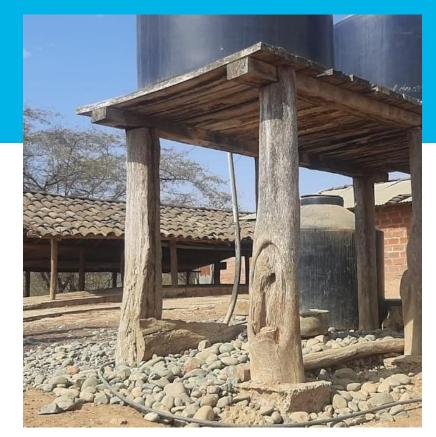








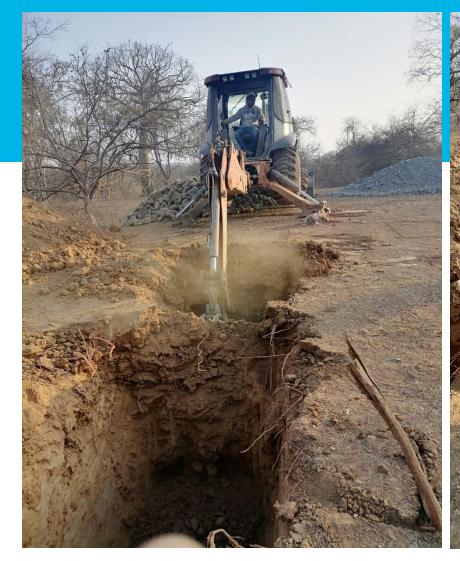








## CABEZA DE TORO – NEED NEW TANK & STRUCTURE









#### **EXCAVATION TO INSTALL NEW STRUCTURE**









#### PREPARATION OF THE REINFORCED STRUCTURE

# OVERALL PROGRESS OF CONSERVATION WORK



- Cabeza de Toro
- Cazaderos
- Gramadales

CANTON PUYANGO



- Cochas de Ciano
- El Arenal

- Process started in all communities
- Meeting and all proposed activities have been detailed, identified and agreed upon with community members
- No field activity yet

### CABEZA DE TORO

Pictures showing deterioration of vegetation Presence of domestic animals drinking water in water catchment













### CABEZA DE TORO

Proposed activities
Fencing to enable plant regeneration
Providing water points for animals
Signage and training













#### **CAZADEROS**

Water is captured through a well; the well has a shed and is fenced – improvements required

Agricultural land surrounding the well

No adequate vegetation cover ensuring water will remain permanently available Training and education needed

#### **GRAMADALES**

- \*Appropriate vegetation cover
- \*Cleaning and permanent maintenance of water source
- Improve and expand existing protective fences of the watershed
- Training and education









#### **NEXT**

#### **Engineering Work**

expected to be done by the end of January in all communities

#### **Operation & Maintenance Training**

will start once the engineering work is done

#### **Sanitation & Hygiene Training**

will be done once the water systems are fully operational

#### **Conservation Work & Training**

will start as soon as possible (fencing, planting and training)



## Thank you

