

# Final Report



## SAFE DRINKING WATER VILLA CONCEPCION



## PROJECT DETAILS

### **Title of Project**

Safe drinking water system  
Villa Concepción

### **Requested by**

Municipal Council of Sorata  
Community of Villa Concepción

### **Responsible**

Technical Team of  
Fundación QBL-Bo



## PROJECT LOCATION

Department: La Paz

Province: Larecaja

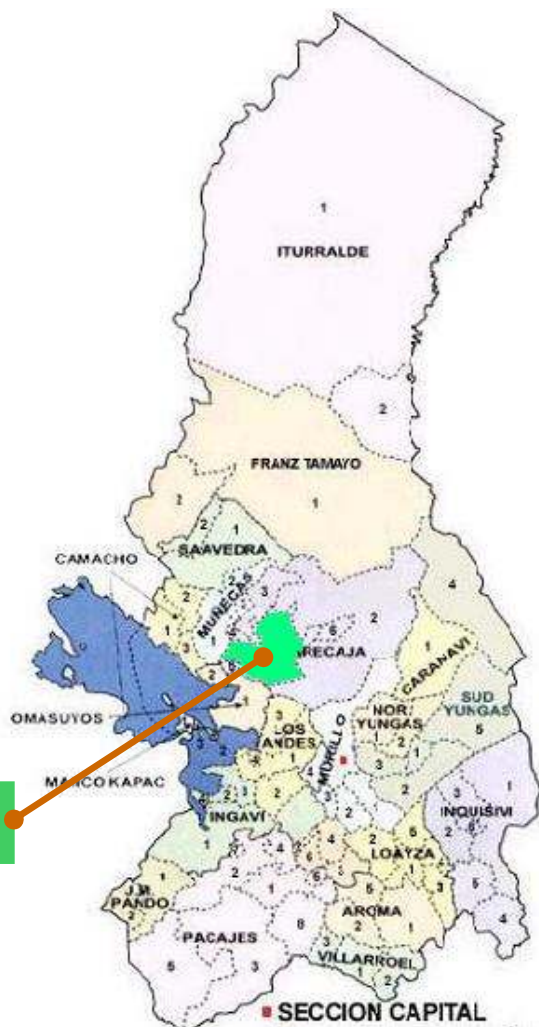
Municipal Council: Sorata

Community: Villa Concepción

Journey time: 60 mins. from Sorata; 5 hours from La Paz

Distance: 20 kms. from Sorata; 122 kms from La Paz

Participants: 42 families



Sorata



# IMPLEMENTATION PROGRAMME AND COST

**Start date:** December 2005      **Completion date:** July 2006



<b>QBL contribution :</b>	\$us	5,000
<b>Council contribution:</b>	\$us	1,598
<b>Local contribution:</b>	\$us	2,946
<b>Total cost:</b>	<b>\$us</b>	<b>9,544</b>

# RESULTS - 1



## Planned

100% assistance of the participating families at educational workshops

One year after completion, 80% of the population will demonstrate changes of habit over hygiene and the good use of water.

## Achieved

100% attendance of the resident families in the community at 2 workshops (12<sup>th</sup> May and 2<sup>nd</sup> June) on "adequate use of water" and "hygienic environments", plus a talk on the same theme on 3<sup>rd</sup> June to 45 children from various communities in the primary school of Santiago de Chiacani.

Change of habits will be evaluated at a later date.

## RESULTS - 2



### Planned

Construction of the following over a period of two months:

- 2 water inlets
- 2 main pipelines
- 2 storage tanks
- domestic distribution network

### Achieved

Over four months, the following were built:

- 2 water inlets
- 2 main pipelines
- 2 storage tanks
- domestic distribution network
- 36 taps installed
- 5 flow-control chambers

## RESULTS - 2



## RESULTS - 3



### Planned

Training of 42 families in the management and operation of drinking water systems

### Achieved

41 copies of two basic manuals were distributed to each of the users: on a) Use and maintenance – preventative and corrective – of the water system; and b) Accessories and tools used in the system

The community participated actively in the construction of the system and an internal regulation for the good use, management and maintenance of the system was elaborated (one copy given to each user)

An informative workshop was held for 11 people on the operation and maintenance of the system, to strengthen their knowledge.



## RESULTS - 3



# OBJECTIVE AND AIM



## AIM

Planned	Achieved
One year after executing the project, a diminution of 30% in the cases of acute diarrhoea in under 5 year olds.	After five months, the percentage of cases of acute diarrhoea was 0%.

## OBJECTIVE

Planned	Achieved
After 3 months of starting the project, 42 families will have direct access to water apt for consumption and will have appropriate information over its good use.	<p>After five months, 36 families, already connected, had direct access to water apt for consumption, with five families still to be connected (one of whom died).</p> <p>By the sixth month, 14 families had been educated over aspects of personal hygiene, adequate use of water and the environment. Information had been given to 45 school children.</p>

# IMPACTS

## ECONOMIC

---

- 1)** Opening of a bank account for the maintenance of the water system with a monthly payment of 2 Bs. Per user.
- 2)** The time spent collecting water has diminished, giving more time for other economic activities.



# IMPACTS



## SOCIAL

---

- 1) Access to clean water improves the quality of life for the family and the community.
- 2) The community feels pleased to have implemented the project.
- 3) There exists an Internal Regulation approved as the standard for administration by the Water Committee.



# IMPACTS

## TECHNOLOGICAL

- 1) The families can access water in the yards of their houses.
- 2) Two documents exist for the Operation, Maintenance and Plumbing of the System



# IMPACTS

## ECOLOGICAL

---

- 1) The water system has a very low impact on the natural environment.





## SOME ADDITIONAL COMMENTS

- For this project, QBL used a specialist water engineer to assist and improve the work of the FQBL team.
- FQBL Bo managed to employ the technical specifications required by the Ministry for water systems for populations of less than 5,000 persons.
- The community worked hard in all phases of the project and showed great attentiveness both to the technician responsible for the works and to the other specialised builders employed to carry out parts of the construction works.
- Assistance at the educational workshops was poor as several families were absent and they were held too late. Assistance should be made a condition of participating in the project at the outset.