Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

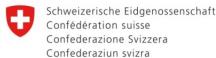
Cooperación Suiza en Bolivia

Reducción del riesgo de desastres

Project: Construction of a water treatment plant and sewer system for the Guaqui town, Bolivia

Guaqui

~



Reducción del riesgo de desastres

## General project data

Location:

Management:

Executor:

Cost of investment: Cost of infrastructure: Cost of supervision: Environmental mitigation: Technical assistance: Period of execution: Sector: Beneficiaries: Area served:

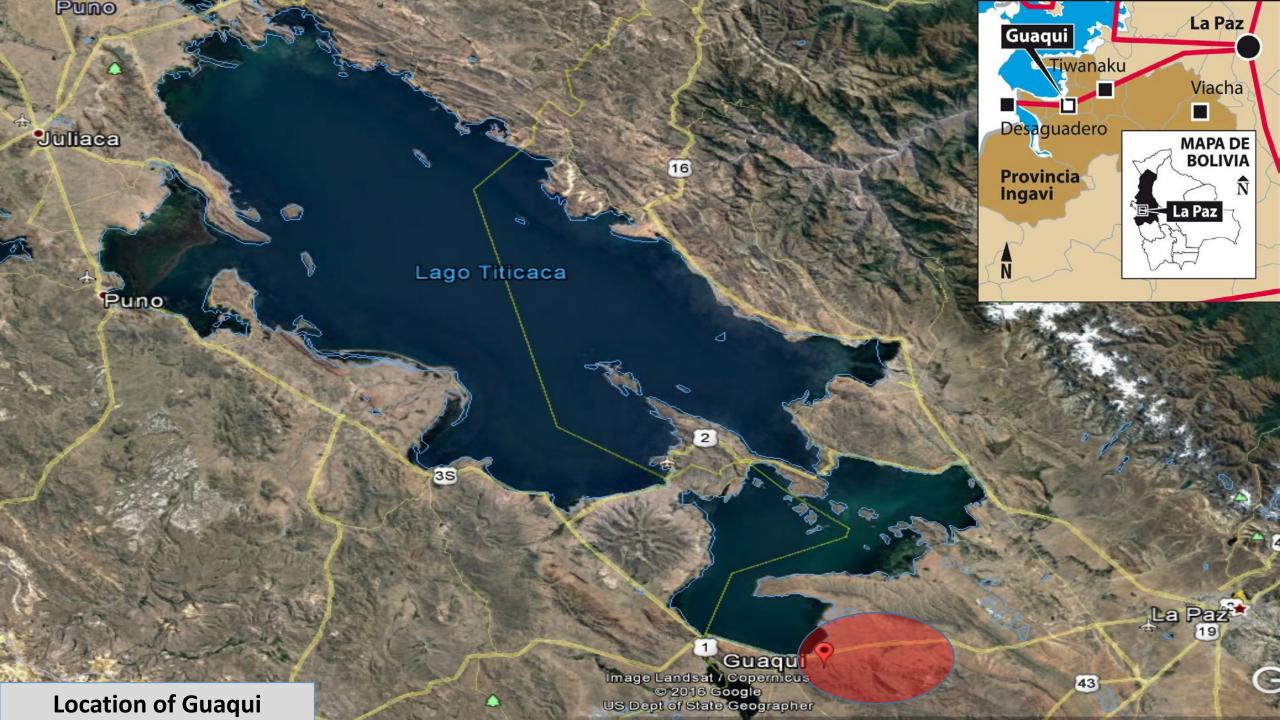
Town of Guaqui Municipality of Guaqui Department of La Paz Autonomous Municipal Government of Guaqui EMAGUA (Executing Agency for Environment and Water) USD. 1.000.000 USD. 901.344 USD. 47.050 USD. 8.100 USD. 48.500 Sept 2016 – July 2017 Water and Sanitation 3822 inhabitants 224 Ha

**Objective:** to improve the current living conditions of the people of the Guaqui town by implementing an appropriate sewage system that benefiting all the population currently lives in the place, with a projection of 20 years



Component: Sewage collection network Emissary Pumping sump Pumping line Treatment plant Infiltration ditches





Port of Guaqui

Guaqui town

Cuaqui Cuaqui

Google

Coverage and range of Guaqui Project

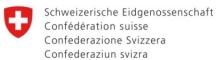
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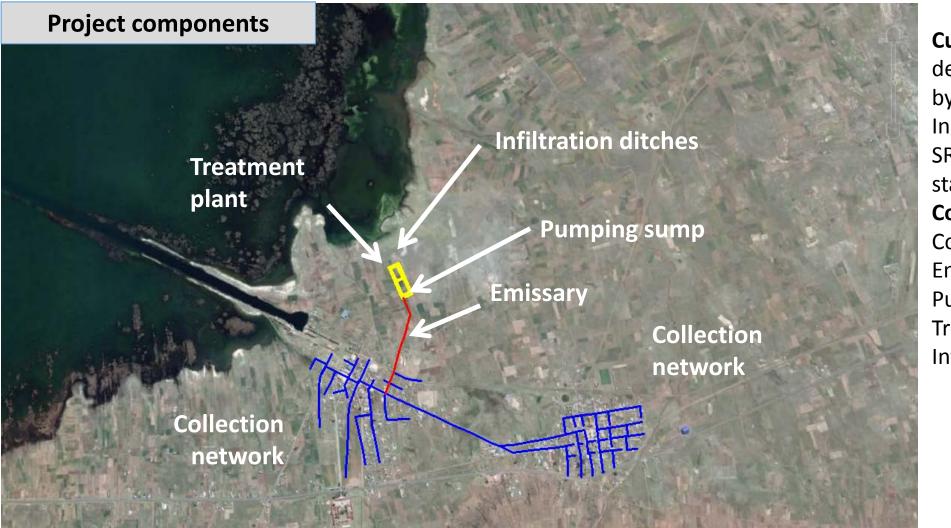
RN 1

© 2016 Google Image © 2016 CNES / Astrium

Fechas de imágenes: 5/2/2016 16°35'36.59" S 68°50'21.89" O elevación 3836 m alt. ojo



Reducción del riesgo de desastres

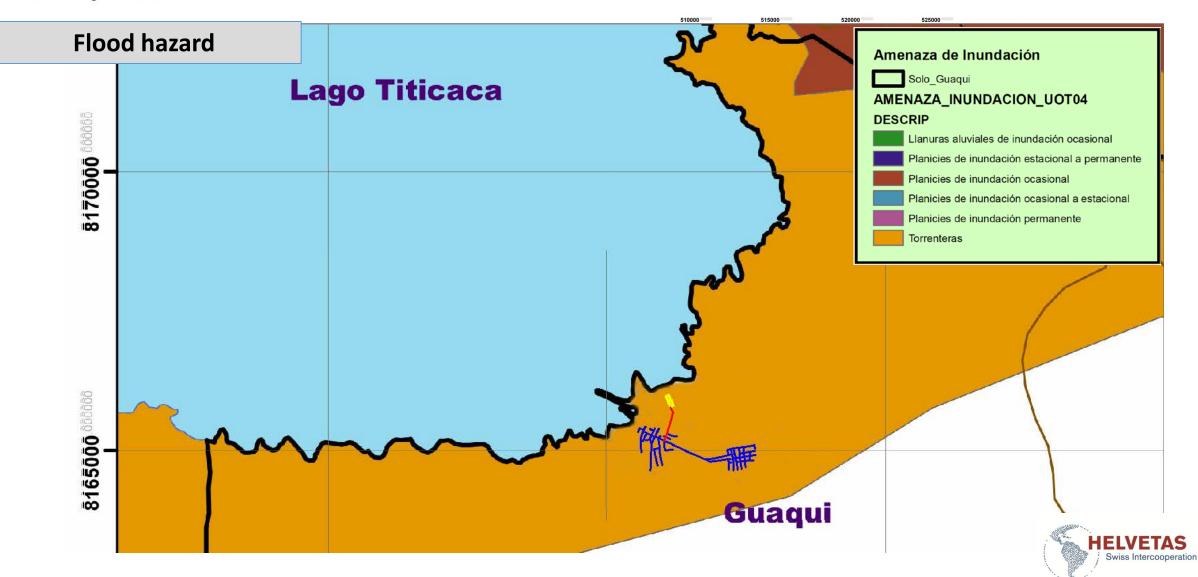


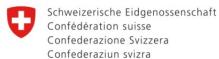
Current situation: The final design study was elaborated by the company Pirámide Ingeniería y Construcciones SRL and is in the contracting stage for its execution Components: Collection network Emissary Pumping sump Treatment plant Infiltration ditches



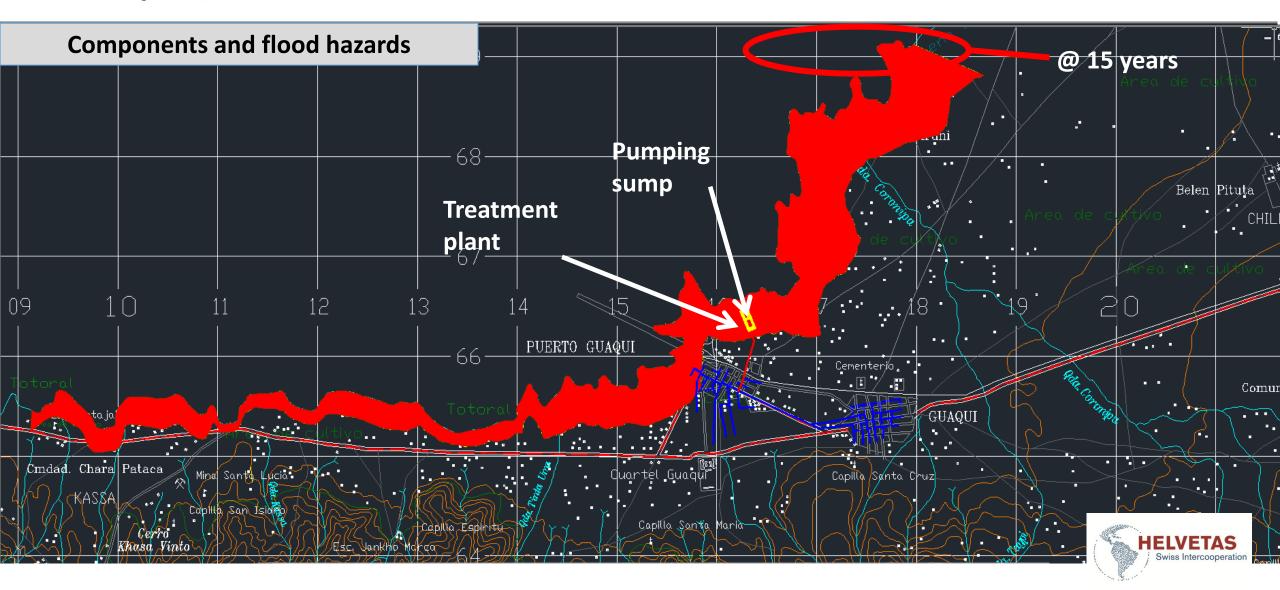


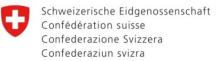
Reducción del riesgo de desastres



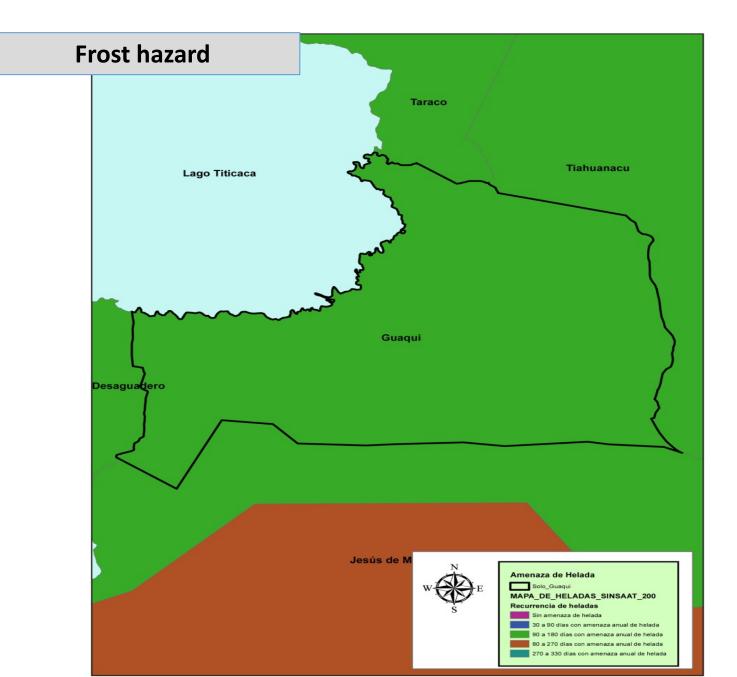


Reducción del riesgo de desastres





Reducción del riesgo de desastres





## **Pictures of Guaqui**





Drinking water manhole

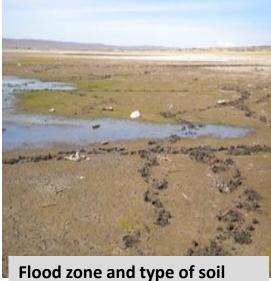


## **Project components, plant location, risks, soil types and flood zones**



Flooded pumping sumps







500 families and 22 houses in 11 coastal municipalities like Guaqui in the west of the city of La Paz were affected by flooding on the level (1 m) of Lake Titicaca, as a consequence of the rains in the last two months.



Settle location of the project, near Lake Titicaca



## Project components, plant (oxidation lagoons) and pumping sump

