

Project

# STUDY AND RESTORATION PROPOSALS FOR THE SANT JORDI STORM CHANNEL IN POLLENÇA FROM THE MOUTH OF THE WATER TREATMENT WORKS

I+D+i  
**GIZC**  
GESTIÓ INTEGRADA  
DE LA ZONA COSTANERA

Axis  
Bloc 1.1  
Thematic area

Disciplinary research  
Environment  
Water quality and public safety in the coastal zone

## Summary

The borough of Pollença is one of the most visited regions of Majorca and, so, a large part of its income comes from tourism. A drop in the quality of the waters of its bay would have a very negative effect on the area's economy.

Sewage from the area is emitted into the bay from the Sant Jordi storm channel, after having first passed through the water treatment works (*EDAR*) located close to the storm channel itself. Given the rapid increase in population in this area, until recently the sewage entering the water treatment works was more than the installation could handle. So, for years the Sant Jordi storm channel and the Bay of Pollença have received large volumes of barely treated sewage. Despite the fact that the water treatment works have recently been remodelled and extended to solve the problem, there has still been no assessment of the environmental impact on the storm channel and bay of at least ten years of constant dumping of raw sewage.

## Actions

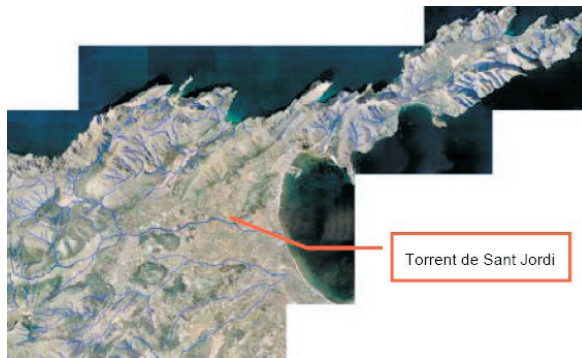
-Assess by physical and chemical measurements of waters and sediments, the level of pollution of the Sant Jordi storm channel and then propose corrective and restorative measures.

-Define the physical, geological and socio-economic characteristics of the area of study.

-Carry out an historical analysis of water treatment in the borough of Pollença and the consequent evolution of the arrival of sewage in the Sant Jordi storm channel.



Water sampling



Geographical situation of the Sant Jordi storm channel



Sant Jordi storm channel

## Applications

### Research

With this study we will discover the chemical state of the waters and sediment of the Sant Jordi storm channel. At the same time, the study will offer additional information to other research involving the Pollença coastline, such as environmental monitoring and studies on the degradation of areas of *Posidonia oceanica*. Furthermore, the data obtained will be of use to future biogeochemical studies in the Bay of Pollença.

### Administration

With the final report, Pollença Town Council will have an objective assessment of the state of the Sant Jordi storm channel. It will also have a proposed action plan to recover this storm channel if it were needed.

## Contact

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