



# Guadalupe River



## ABOUT THE RIVER

Guadalupe River is **the most polluted river in Cebu City**. It is classified as a Type C river by DENR in the year 2000, which means that it is **not fit for drinking and bathing with minimal to zero signs of life**. Solid waste, domestic wastewater, and sewage are visible in the downstream area of the river.

## THE PROBLEM



The main problem regarding the downstream area of the Guadalupe River is the **accumulation of waste due to the increasing amount of illegal waste disposal in all parts of the river**.



Septic waste is being disposed to the river through pipelines that originated from the households of surrounding barangays.

The riverbank is used as a dumpsite by the settlers living along the riverside.



## FINDINGS



As for 2020, the Dissolved Oxygen (DO) Concentration of the river remained below the minimum criteria of 5 mg/L.



The Biochemical Oxygen Demand (BOD) remained above the maximum criteria of 7 mg/L.



As for the Fecal Coliform Count, it exceeded way beyond the required criteria of 200 mg/L.

## SOLUTION



The best way to approach this problem is to develop a **communal septic tank**. This will help the communities along the river have proper waste disposal.

As soon as communal septic tanks are placed and the water quality improves, **maintaining the quality can be done through biotreatment**.



RIVERAID

BAKALIA - CALABITA - GORODENOSIK - JAS - VILLAS