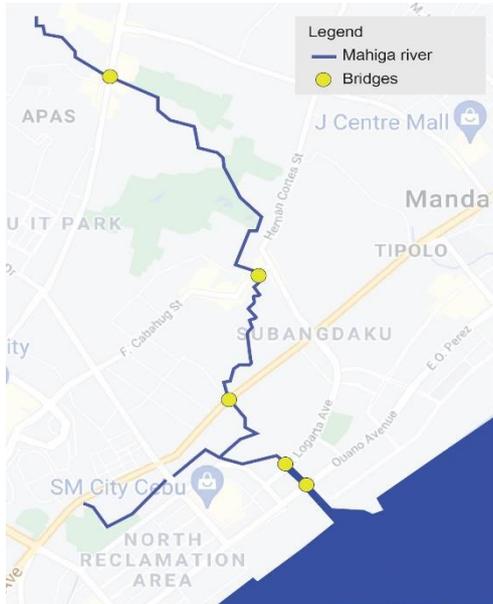




MAHIGA RIVER DOWNSTREAM FACTSHEET

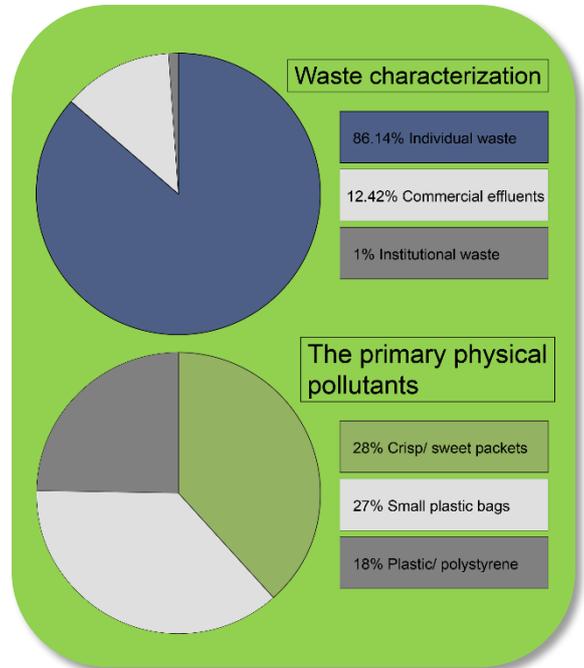
HISTORY OF MAHIGA RIVER

Cebu City and the Mandaue city are bordered by the 9.1 kilometer long Mahiga River. These kinds of rivers often have no clear origin and usually flow from a higher point to a lower point, therefore this river is divided into upstream, midstream and downstream.



Currently, the Mahiga River is much polluted with industrial waste, human waste and plastics. This causes many problems such as flooding because of blockage in the area nearby, to a dead river with no oxygen which leads to no life under these water because the ecosystem could no longer exists. In the last few years, the government has been trying to rehabilitate the river by coming up with solutions for the more visible problems such as plastic waste with a cleanup campaign in which 50 tons of waste has been cleaned at one point. However, there have also been huge conflicts when it comes to implementing laws for this river, due to the fact that this river is basically a part from Cebu City and the Mandaue City and not only one government can make a decision.

Downstream Water Pollution Cause



Data retrieved from Bardenas, et. al., (2019)

MAHIGA RIVER QUALITY 2020

Parameters	Average / Geomean	Criteria for Good Water Quality	Remarks
Dissolved Oxygen (mg/L)	3.438	<u>Must be at least</u> 2 mg/L	PASSED
Biochemical Oxygen Demand (mg/L)	311	Must not exceed 15 mg/L	FAILED
Total Suspended Solids (mg/L)	34.8	Must not exceed 110 mg/L	PASSED
Fecal Coliform (MPN/100 mL)	18, 780, 367	Must not exceed 400 MPN/100mL	FAILED

GOVERNMENT INITIATIVES AND ACTIONS



CLEAN UP DRIVES

Clean Up drives are frequently done by the local authorities for river awareness. Also, the other social stakeholders such as NGOs are also participating in these clean up drives.



PLANTING UMBRELLA PLANTS

Planting Umbrella plants can greatly contribute in reducing the water pollution in the river.



CONDUCTING SEMINARS

The government developed the Information Education Campaign (IEC). These are seminars and programs that are conducted to spread awareness. Also, the local authorities managed to promote environmental warriors through social media platforms.



TRIP TRAPS

It is a tube-like blocker formed in a big circumference to block the flowing trashes along the river.



CLEARING OPERATIONS

Clearing or demolition of the informal settlements within the stretch of the river were also done. Moreover, the affected families are relocated and provided with financial assistance for their livelihood.



GREEN CORRIDOR PROJECT

It was developed to establish a linear park, viewing deck and eco-fence along the Mahiga River.

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