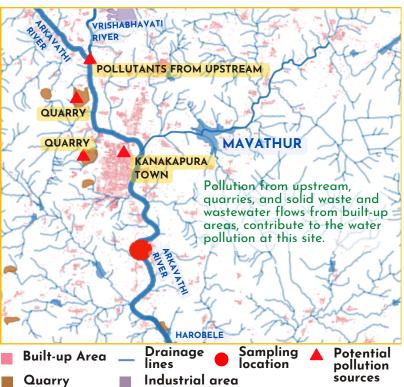
# 

With government proposals to expand treatment and use of Arkavathi River water in Bangalore, it is important to identify, monitor, and stop the spread of harmful pollutants. The results below show trends in pollution at site 107, one of eight Arkavathi sites where Paani conducted sediment and water testing.

# TESTING INFORMATION

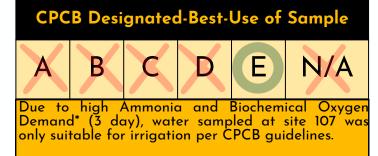






# APPROPRIATE USE FOR WATER AT SITE

Water tested was only suitable for Central Pollution Control Board Class E



# **ACTIVITIES AT SITE**

Activity + Designated-Best Use		Points of Concern
Irrigation of farmlands		While meets best use, farm workers may be exposed to pollutants, and crops may be contaminated

## POLLUTANTS OF CONCERN

Water and soil tested at this site did not meet international standards for pollution due to high amounts of chemicals including:

Industrial Cr(VI) Carcinogen Hexavalent causes cancer & chromium skin irritation



133x above

Canada Water **Quality Guidelines** (Aquatic Life)

**DEHP** Bis(2-

Hg

Mercury

ethylhexyl) phthalate

PAH

plasticizer, damages liver & reproductive system

Poisonous Metal harms nervous digestive and immune systems

## 43x above

US Recommended Water Quality Criteria (Human Health

## llx above

Canada Sediment Quality Guidelines (Aquatic Life)

## 2497x above

**US Recommended** Water Quality <u>Criteria (Human Health)</u>



Water hyacinth infested river channel



River channel

C<sub>22</sub>H<sub>14</sub>



anthracene irritation

Dibenz[a,h] causes skin & eye







