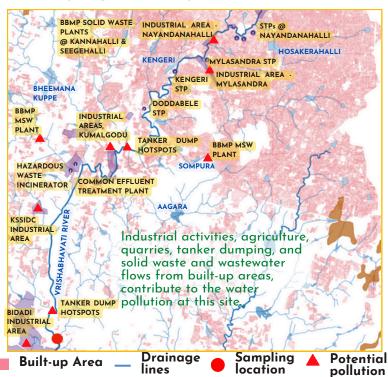
With government proposals to expand treatment and use of Arkavathi River water in Bangalore, it is important to identify, monitor, and stop the spread of harmful pollutants. The results below show trends in pollution at site 106, one of eight Arkavathi sites where Paani conducted sediment and water testing.

TESTING INFORMATION







APPROPRIATE USE FOR WATER AT SITE

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

CPCB Designated-Best-Use of Sample and Biochemical Oxygen high Ammonia (3 day) and extremely low Dissolved Oxygen (DO), water sampled at site 106 was only suitable for irrigation per CPCB guidelines.

ACTIVITIES AT SITE

Activity + Designated-Best Use		Points of Concern
Irrigation of fodder for cattle	E	While meets best use, pollutants could cause contamination of milk and impact cattle and consumers
Irrigation of farmlands	E	While meets best use, farm workers may be exposed to pollutants, and crops may be contaminated

LLUTANTS OF CONCERN

Industrial area

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

F-
Flouride

 Cd

Quarry

Mineral increases risk of

skeletal fluorosis and teeth discoloration

Toxic Metal carcinogen toxic Cadmium to kidneys and respiratory system

Poisonous Metal Hg harms nervous. digestive and Mercury immune systems

307x above

<u>Canada Water</u> **Quality Guidelines** (Aquatic Life)

12x above <u>Canada Sediment</u> Quality Guidelines (Aquatic Life)

ITE 106 IMAGES

20x above

Canada Sediment Quality Guidelines (Aquatic Life)

C₂₂H₁₄ Dibenz[a,h] causes skin & eye anthracene irritation

1515x above

US Recommended Water Quality Criteria (Human Health)



Water sampling at site



Water sample taken from site