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## Chikkabanavara Lake

- Located in Chikkabanavara, North East of Bengaluru.
- Area of Lake ~ 100 Acres (2016), Arkavathy river valley
- restored lake, high Non under anthropogenic pressure.
- People use the lake water for bathing,



washing and fishing purposes.

**THREATS:** a) Inflow of untreated sewage; b) Plastic wastes dumped at shoreline; c) Construction debris deposited near shoreline; d) Weed and macrophyte growth; e) Plastic wastes dumped outside lake; f) Absence of Fencing ; g) Damaged Fencing; h) Algal bloom





( <b>IIIg</b> /I)	43.07	43.07		
<b>Ortho-Phosphate</b>				
( <b>mg/l</b> )	2.881	3.402		
Nitrate (mg/l)	0.277	0.334	45	100
Sodium (mg/l)	255.5	<b>261</b>		
Potassium (mg/l)	<b>50</b>	45.5		
Experiments, Physico-chemical and Biological (plankton) Analysis				

**Experiments:** Physico-chemical and Biological (plankton) Analysis

- Ensure proper fencing of the lake and regular harvesting of
- Impose restrictions on dumping solid waste and letting untreated

Implementation of 'polluter pays' principle as per Water Act, 1974 Let only treated waste water into the lake. Treatment of wastewater through constructed wetlands and algal ponds (as in