



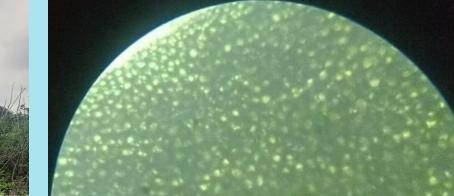
• Sedimentation.

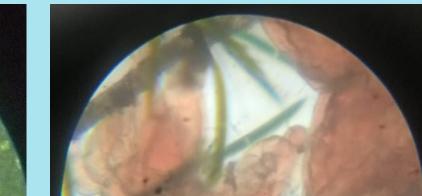
- Dumping of waste- Urban and agricultural pollutants; Outlets of polllutants.
- Overflows and floods in residential areas.

• Urbanisation

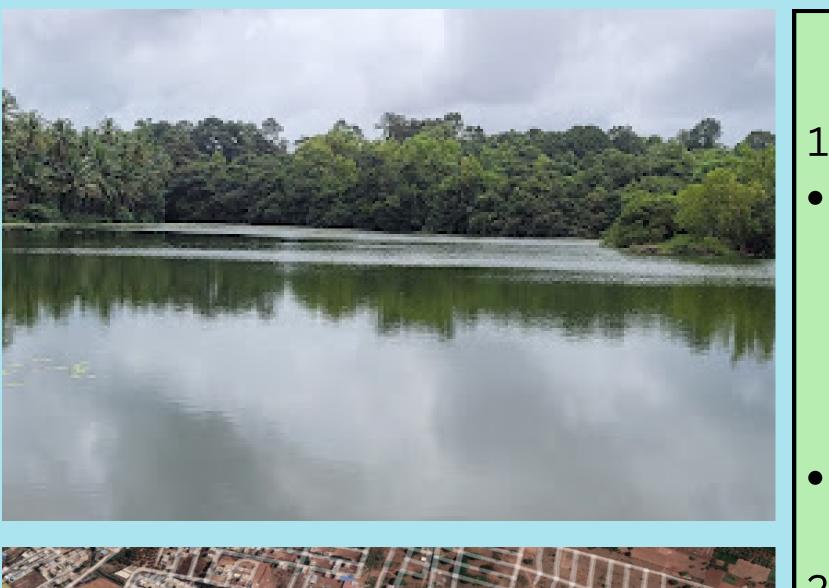
Section 2	SI. No.	Parameters	Requirement/ Permissible Limit	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7
15	1	Colour	(Bluish) transparent	slight	slight	slight	translucent	(green)	(green)	brownish
				greenish	brownish	greenish	(algae)	translucent	translucent	
Wilson	2	Odour	odourless	Not Good	Not Good	Not Good	Bad	Foul	Foul	Bad
CATING IN	3	рН	6.5 - 8.5	8.5	8.5	7.5	7.5	8.5	7.5	8
is a second	4	Temperature(°C)	25°C	22°	20°	21°	17°	19°	20°	21°
	5	Turbidity(NTU)	10 NTU	20	75	60	35	140	100	60
S MANY	6	Flouride	1.0 - 1.5mg/l	0.2	0.1	0.2	1	0.5	1	0.2
May She	7	Ammonia	0.5mg/l	1	1.5	2	1.5	0.5	1	2
	8	Residual Chlorine	0.2- 0.5mg/l	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	9	Chloride	250mg/l	30	30	40	40	60	40	30
	10	Phosphorous	0.05mg/l	1	0.5	1	1.5	1	2	1.5
X	11	Hardness	200mg/l	180- hard	160- hard	200- hard	200- hard	200- hard	300- hard	300- hard
K A-L	12	Dissolved Oxygen	6.5-8 mg/l	5	3	4	2.5	2	4	3.5
X	13	Nitrate	45mg/l	45	50	100	120	100	100	80
A PEN	14	Iron	0.3mg/l	0.2	0.1	0.1	0.25	1	0.2	0.25
E B C		Coliform Bacteria		(black)	(black)	(black)	(black)	(black)	(black)	(black)
	15	Comorni Dacteria	Should be absent	present	present	present	present	present	present	present





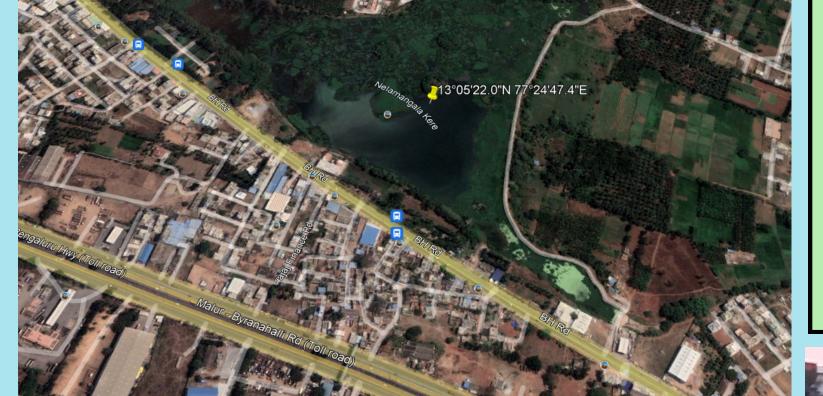






Restoration

- .<u>Naturally</u>:
- Summer-Weed control, Sediment cleaning, catchment area management, proper fences Monsoon-Pure Rainwater storage







Garbage thrown



water on-shore, water treatment, and then allowing the treated water to re-enter the lake.

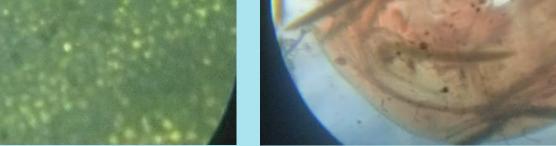
.<u>On-shore treatment</u>



<u>Management</u>

- Maintenance of Catchment area.
- Sewage/ Sediments management.
- Diversion of sewage channels.
- Excess water to agricultural lands nearby.
- Maintenance of the lake depth according to average rainfall.







Flora and Fauna

Currently, the lake is filled with weeds, but it was a place with Macrophytes such as Lotus, and Water lilies; Yet today, these are found:

- Water hyacinth, Grass, blue-green algae, red worms etc. (Phytoplanktons and Zooplanktons).
- Fishes; Birds: Ducks, Cranes, Grey Herons, Sparrows, Parrots, Peacocks, Kingfishers.





This is a collective effort of every citizen of the planet. Every individual who drinks water, who uses natural resources must contribute SAVE LAKE.

Overflow of water to residential areas



- Proper fences to be built.
- Strong regulations in case it is polluted.



Sewage Water

References:

http://cgwb.gov.in/Documents/WQ-standards.pdf https://www.youtube.com/watch?v=FCGQzTG2_x8 https://www.youtube.com/watch?v=xhIRCyuAdOQ

If not us, who?

when?

Conservation

- It is in people's hands.
- Educate people.
- Self- service organizations formation.
- Dos Don'ts near the lake.
- Regular inspection and tests of lake.



<u>Acknowledgement:</u>

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- Special Thanks to IISC for this great opportunity.