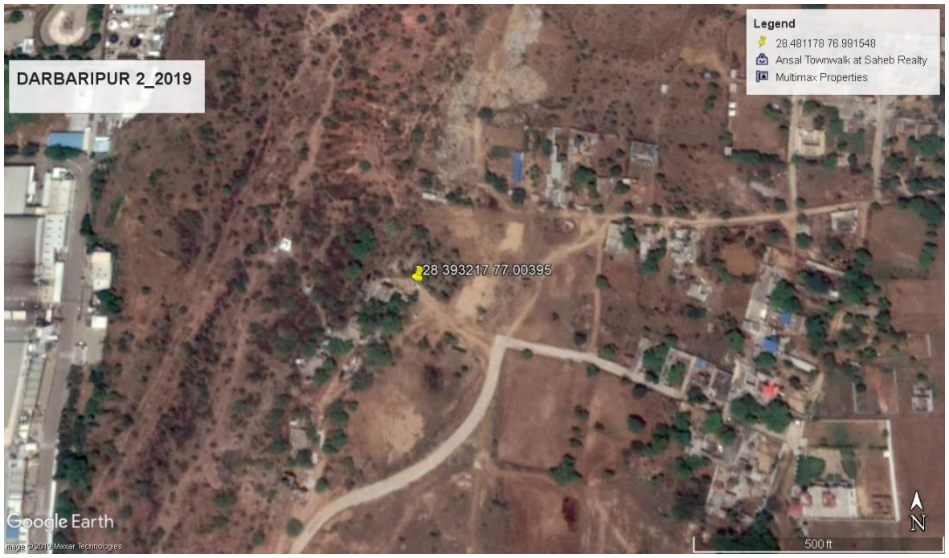
DARBARIPUR 2
POND PROFILING

PHYSICAL DESCRIPTION

Name of water body	Darbaripur 2
Location	Darbaripur village near temples, Block – Gurugram
Latitude & longitude	**28°39'32".17" N** and **77°00'39.5" E**. 
Area of water body	0.6 Acre

Site view of the water body	
Maximum depth	NA
Mean depth	NA
Type of water body	Natural
Current status • Dry • Encroached • Polluted	Currently the pond is **dry**.
Source of water inflow • Rainfall • Runoff • River • Drain(covered) • Open drains • Waste water drain • Treated waste water from STP • Others (specify)	Source of water/ inflow in the pond is **rainwater runoff**.
Is there any outflow from the water body. If any, describe	During rainy season there is **no outflow** of the water from the pond which goes into wetland beside it.
Water level Changes (annual) in meters	NA

Are there any river/canal/major open drain passes within a radius of 5-10 km of the water body? If so, outline the nature of their flow and distance from the water body.	No drain passing nearby
Groundwater level (Pre-monsoon and Post-monsoon)-	
Does the water dry out completely? • Every year • During summer • Rarely	Dry pond every year
Catchment area of the water body in sq.km	
Land use of the catchment area • Urban • Agriculture • Forest • Mining	Catchment area of the water body is **urban village, agriculture land** having **hilly topography**
Total Population	1438
Is the water body used by animals for drinking and bathing?	NA
Type of flaura fauna found around the water body	There is presence of mostly **kikar and neem** in surrounding areas.

Geo tagged image of water body	
Ownership of land	MCG
Khasra number	6/18
Landscaping around water body	
Free space around water body	NA
Can the water body be used as active urban/public space	Yes, the water body can be used as urban/public space.
Are there any construction activities going on near the water body	There's no construction going on near the water body

FUNCTIONS OF WATER BODY

Is the water body used for : • Drinking • Agriculture • Horticulture • Fisheries • Others	None
Functions of water body: • Groundwater recharge • Flood mitigation • Tourism • Support biodiversity	None

• Influence on microclimate • Socio cultural • Aesthetics	

MAJOR PROBLEMS

Major problems: • Reduction in area • Reduction in depth • Encroachment • Algal bloom • Aquatic weeds • Decline or loss of fisheries • Eutrophication • Organic pollution • Toxic pollution	The pond is dry and there's no inlet of water

SOURCE OF POLLUTION

Does solid waste dumping takes place near the water body? (Organic/Non-Biodegredable)	No direct dumping of waste
Solid waste disposal in water body (religious offering/idol immersion)	No waste disposal
Source of pollution in water pollution • Municipal waste • Industrial effluent • Organic waste • Non biodegradable waste • Solid waste • In pond human activity	NA

• Cattle wadding • Agriculture runoff	
Nutrient level in water body • Negligible • Low • High • Very high	NA

REMEDIAL MEASURES

Are local communities aware of the problem of water body	**Yes**
Are local communities interested in the restoration	**yes**
Any measures taken in past to restore the water body	**No**
Are there active local conservation group or NGO interested/involved in the water body	**No**
Is it possible to source good quantum of rainwater/treated water for maintaining water level throughout the year	Yes, rainwater runoff can be collected from surrounding areas and runoff from temples around
Restoration activities require: • Improvement of water quality by in-situ treatment • Diversion and treatment of sewage waste • Desiltation for removal of toxic sediments • Weed removal • Catchment treatment to check erosion • Confinement of pond land	• Redirecting waste water from surrounding temples through STP. • Rainwater runoff • Boring/wells