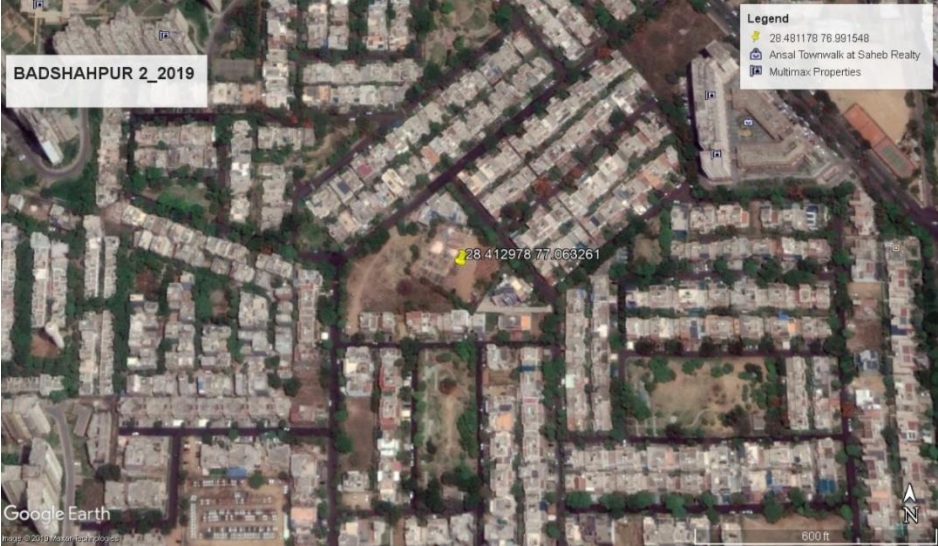


# BADSHAHPUR 2

# POND PROFILING

## PHYSICAL DESCRIPTION

Name of water body	Badhshahpur 2
Location	Nirwana country community center , Block – Gurugram
Latitude & longitude	<b>28°41'29.78" N and 77°06'32.61" E.</b> 
Area of water body	1.0 Acre

Site view of the water body



Latitude: 28.413172  
 Longitude: 77.063517  
 Elevation: 236.47m  
 Accuracy: 5.5m  
 Time: 07-01-2020 14:48  
 Note: badshapur 2

Powered by NoteCam

Maximum depth

Mean depth

Type of water body

Dry

Current status

Dry

- Dry
- Encroached
- Polluted

Source of water inflow

- Rainfall
- Runoff
- River
- Drain(covered)
- Open drains
- Waste water drain
- Treated waste water from STP
- Others (specify)

NA

Is there any outflow from the water body. If any, describe

NA

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.	Badshahpur drain running at a distance of 650m from the location
Groundwater level (Pre-monsoon and Post-monsoon)-	
Does the water dry out completely? <ul style="list-style-type: none"> <li>• Every year</li> <li>• During summer</li> <li>• Rarely</li> </ul>	NA.
Catchment area of the water body in sq.km	NA.
Land use of the catchment area <ul style="list-style-type: none"> <li>• Urban</li> <li>• Agriculture</li> <li>• Forest</li> <li>• Mining</li> </ul>	NA
Total Population	15593
Is the water body used by animals for drinking and bathing?	The water body is dry since 2004.
Type of flora fauna found around the water body	NA

Geo tagged image of water body



Ownership of land	MCG
Khasra number	189
Landscaping around water body	Community center is being built on the land
Free space around water body	NA
Can the water body be used as active urban/public space	yes
Are there any construction activities going on near the water body	There's construction of community center going on

## FUNCTIONS OF WATER BODY

<p>Is the water body used for :</p> <ul style="list-style-type: none"> <li>• Drinking</li> <li>• Agriculture</li> <li>• Horticulture</li> <li>• Fisheries</li> <li>• Others</li> </ul>	None
<p>Functions of water body:</p> <ul style="list-style-type: none"> <li>• Groundwater recharge</li> <li>• Flood mitigation</li> <li>• Tourism</li> <li>• Support biodiversity</li> </ul>	NA

<ul style="list-style-type: none"> <li>• Influence on microclimate</li> <li>• Socio cultural</li> <li>• Aesthetics</li> </ul>	
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## MAJOR PROBLEMS

<p>Major problems:</p> <ul style="list-style-type: none"> <li>• Reduction in area</li> <li>• Reduction in depth</li> <li>• Encroachment</li> <li>• Algal bloom</li> <li>• Aquatic weeds</li> <li>• Decline or loss of fisheries</li> <li>• Eutrophication</li> <li>• Organic pollution</li> <li>• Toxic pollution</li> </ul>	Encroachment .
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## SOURCE OF POLLUTION

<p>Does solid waste dumping takes place near the water body? (Organic/Non-Biodegradable)</p>	NA
<p>Solid waste disposal in water body (religious offering/idol immersion)</p>	Land filled with sand
<p>Source of pollution in water pollution</p> <ul style="list-style-type: none"> <li>• Municipal waste</li> <li>• Industrial effluent</li> <li>• Organic waste</li> <li>• Non biodegradable waste</li> <li>• Solid waste</li> </ul>	NA

<ul style="list-style-type: none"> <li>• In pond human activity</li> <li>• Cattle wadding</li> <li>• Agriculture runoff</li> </ul>	
Nutrient level in water body <ul style="list-style-type: none"> <li>• Negligible</li> <li>• Low</li> <li>• High</li> <li>• Very high</li> </ul>	NA

## REMEDIAL MEASURES

Are local communities aware of the problem of water body	<b>No</b>
Are local communities interested in the restoration	<b>yes</b>
Any measures taken in past to restore the water body	<b>No</b>
Are there active local conservation group or NGO interested/involved in the water body	<b>No</b>
Is it possible to source good quantum of rainwater/treated water for maintaining water level throughout the year	Yes, rainwater harvesting can be done
Restoration activities require: <ul style="list-style-type: none"> <li>• Improvement of water quality by in-situ treatment</li> <li>• Diversion and treatment of sewage waste</li> <li>• Desiltation for removal of toxic sediments</li> <li>• Weed removal</li> <li>• Catchment treatment to check erosion</li> <li>• Confinement of pond land</li> </ul>	