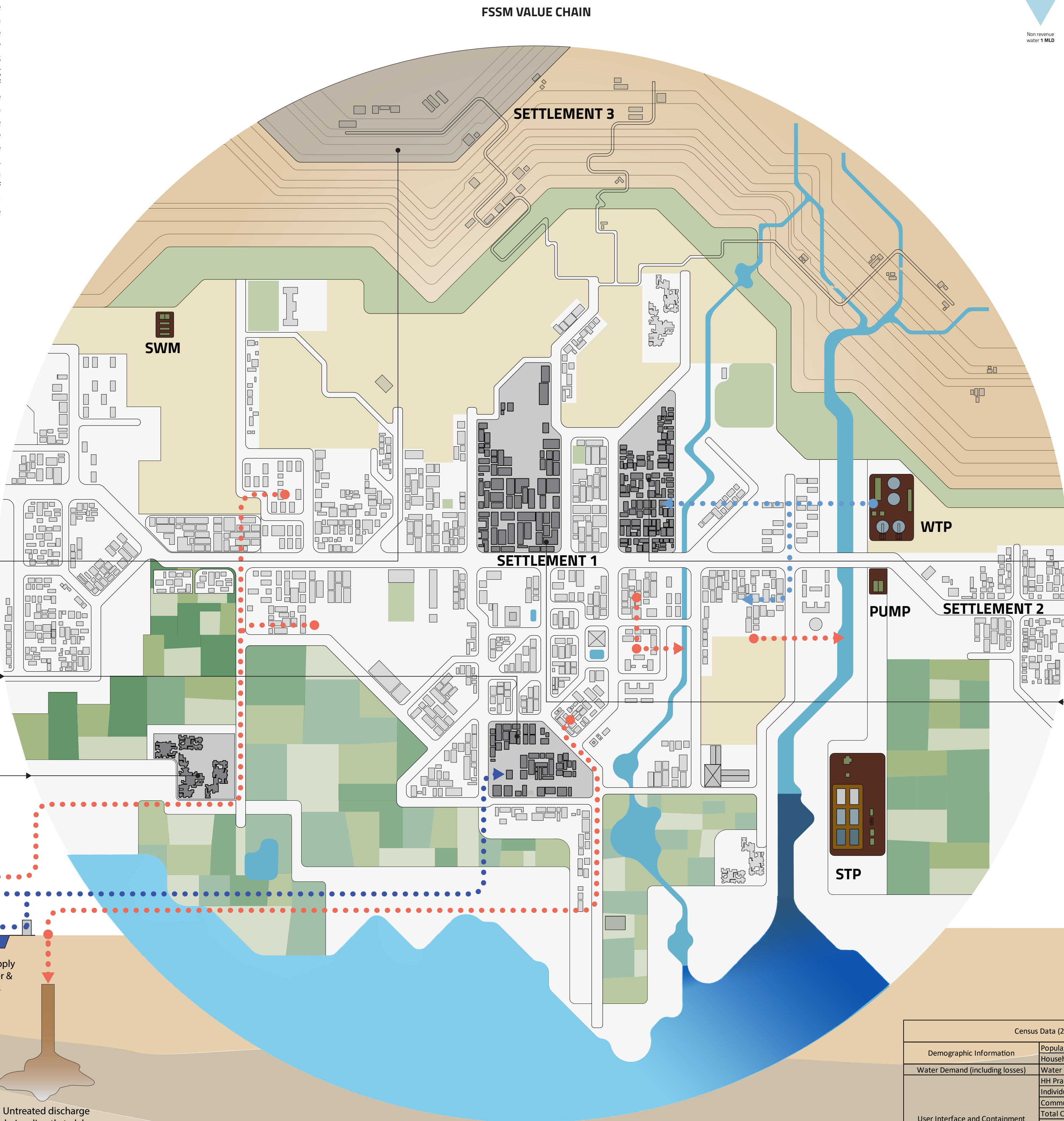


SETTLEMENT 1 is a medium size town located on the bank of the Lake. As per the Census of India, the population was 57,630 in 2021 with a total households of 12,806. The settlement currently produces approximately 6 MLD of wastewater. There are few drains which are connected to the trunk line running along the highway. Approximately 3.5 MLD of wastewater is collected into the trunkline whose outfall is in the river. The rest of the 2.5 MLD wastewater reaches to the stream & the Lake through network of small & medium size drains. Stormwater management is done using network of lined, unlined, open & covered drains. There is approximately XX km of unlined drains which spatially cover 35% of the settlement area where as XX km of lined drains which spatially cover 65% of the settlement area.

SETTLEMENT 2 is a relatively large town having population of 1,02,560. It has well developed WATSAN infrastructure consisting of WTP. The source of raw water is river water. A well designed distribution network of design capacity of 135 LPCD is also laid across the settlement. Wastewater management is being currently done using sewerage network and a 20 MLD STP. Currently the settlement produces approximately 12 MLD of wastewater out of which 10 MLD is treated at the STP.

SETTLEMENT 3 is a small town located upstream of the City A and B on the river bank. It has a population of 26,350. Access to water is better as most of the houses have piped water supply. The water supply scheme is designed to provide 70 LPCD of water. Currently, the settlement produces approximately 1 MLD of wastewater which is collected and conveyed through network of mostly unlined uncovered drains and disposed into the river untreated.



URBAN WATER CYCLE Settlement 1

LEGENDS

- Piped water supply
- Raw water supply
- Open drain discharge
- Treated water discharge
- Cesspool Vehicle
- Solid discharge to green field

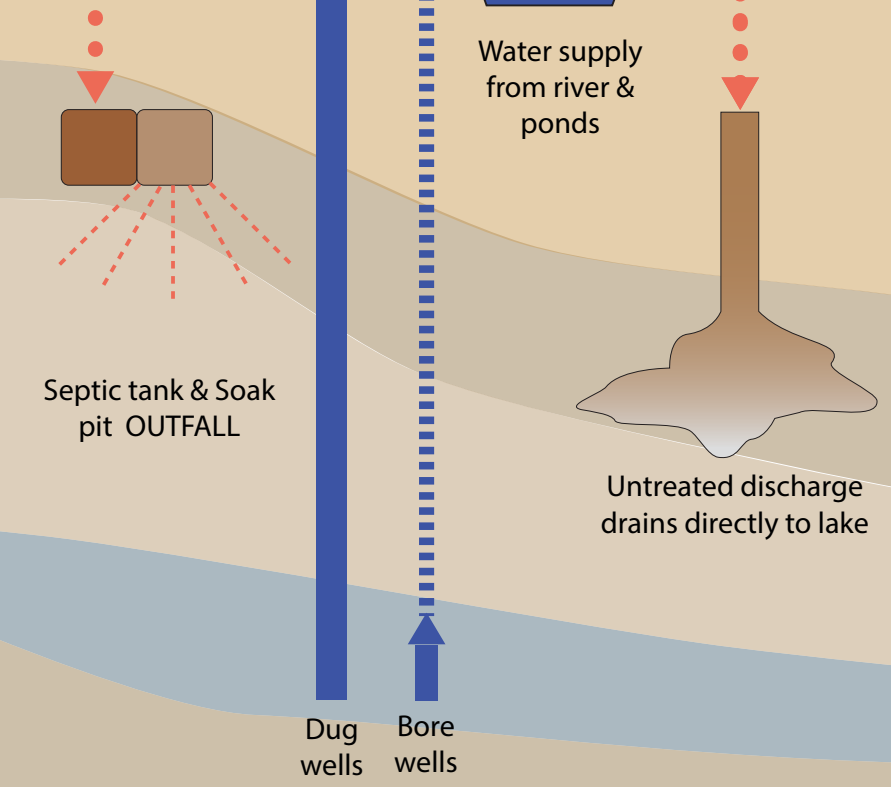
Typology - A
Landuse - Clustered Settlements (Residential)
Area - 3.30 km²
Population density - 800 per km²
Water consumption - 184m³/d
Waste generation - 148 m³/d
Treated disposal - 0 m³/d
Untreated disposal - 148 m³/d

Typology - B
Landuse - Public/Semi public Commercial
Area - 1.00 km²
Population Density - 1,200 per km²
Water consumption - 108 m³/d
Waste generation - 86 m³/d
Treated disposal - 0 m³/d
Untreated disposal - 86 m³/d

Typology - C
Landuse - Slum (Residential)
Area - 0.65km²
Population density - 8,000 per km²
Water consumption - 468 m³/d
Waste generation - 374 m³/d
Treated disposal - 0 m³/d
Untreated disposal - 374 m³/d

Typology - D
Landuse - Plotted (Desnse Residential)
Area - 1.20 km²
Population density - 4000 per km²
Water consumption - 432 m³/d
Waste generation - 281 m³/d
Treated disposal - 0.0 m³/d
Untreated disposal - 281 m³/d

Typology - E
Landuse - Housing Scheme(Residential)
Area - 2.0 km²
Population density - 2,000 per km²
Water consumption - 540.0 m³/d
Waste generation - 432 m³/d
Treated disposal - 0.00 m³/d
Untreated disposal - 432 m³/d



THE LAKE is the largest natural freshwater lake in India. It is ecologically one of the most sensitive areas with a rich biodiversity. It is one of the hotspots for spotting migratory birds in India. Due to this, the lake has been centre of attraction for tourism in the state. The lake is fed mainly by the rivers and streams flowing from the mountains and overflows to forms another river which crosses into another state. Almost 1.5 lakh population is directly dependent on the lake through aquaculture and agriculture. However, lately the deterioration of the water quality of the lake has been a major concern for these people. The lake receives point pollution from rivers and streams carrying domestic wastewater during the dry season. During monsoon, non point pollution in the agricultural runoff beings a large amount on nutrients to the lake.

Census Data (2021)		Settlement Name
Demographic Information	Population	Settlement 1
	Households	57630
Water Demand (including losses)	Water Demand (MLD)	12806
User Interface and Containment Systems	HH Practicing Open Defecation (%)	7
	Individual HH Toilet Coverage (%)	0%
	Community Toilet Coverage (%)	92%
	Total Community Toilet Blocks (No.)	8%
	Total Public Toilet Blocks (No.)	3
	On-site containment systems at Individual HH Toilets (%)	4
Conveyance and Treatment	Septic Tanks	94%
	Twin Pits	6%
	Sewerage Connections Coverage (%)	0%
	Area covered by lined drains (%)	56%
	Lined drains	65%
	Unlined drains	35%
	Wastewater Generated (MLD)	6