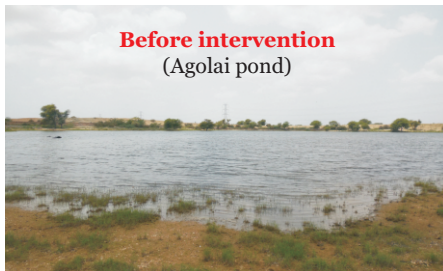


Highlights of village ponds

Baorli pond



- ❖ Occurrence of frequent droughts in the region has a serious impact on availability of water in the pond, which is the lifeline of the village
- ❖ Two ponds managed by community approach were selected and revived through scientific interventions
- ❖ Area of Baorli pond is 3.33 ha whereas catchment area is 196 ha
- ❖ Area of Agolai pond is 5.53 ha whereas catchment area is 780 ha
- ❖ Pond water is used both for domestic purpose as well as for drinking purpose
- ❖ Siltation of pond is a major problem

Agolai pond



Major scientific interventions

- ❖ Plantation of multipurpose tree species along the drainage pathways
- ❖ Desiltation of ponds at both sites through community participation and scientific interventions
- ❖ Rainfall-runoff monitoring in pond through digital rain gauge and water level recorder
- ❖ Contour survey of ponds to calculate the storage volume of ponds
- ❖ Remote sensing based algorithm for periodic monitoring of water spread area in the ponds

