

24. Site selection for cage aquaculture in large reservoirs.

Aim

To identify potential areas in large reservoirs, which are suitable for placement of Intensive Aquaculture Cages. Optimal utilisation of available water in large reservoirs is the need of the hour for increasing fishery production yield of Indian reservoirs.

Scope

Identifying and evaluating the actual permanent WSA available and assessing the water quality in these reservoirs will ensure reliable estimates for establishing Intensive Aquaculture cage culture in these reservoirs.

The work/study is in line with the major objectives of the Blue Revolution in terms of increasing fishery production.

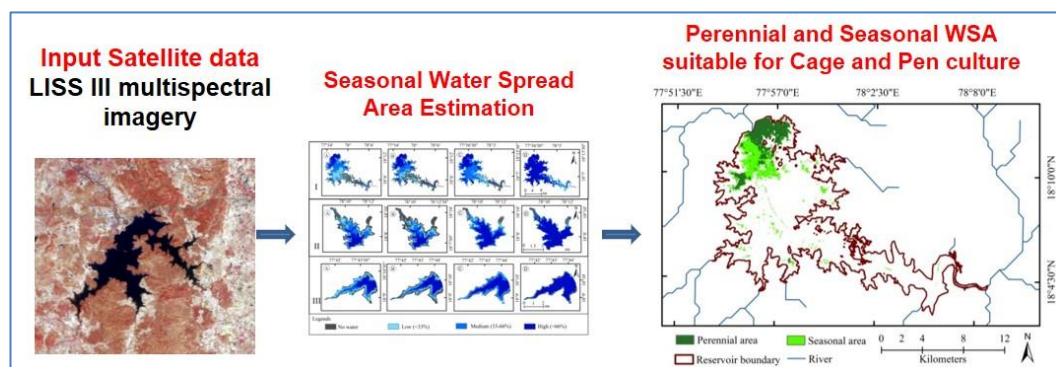
Current constraints / Challenges

Constraints: procuring insitu water quality data and depth information/bathymetry data of large reservoirs.

Challenges: very few previous geospatial studies of reservoirs for the aspects of cage aquaculture. India has a large number of large reservoirs (>1000 ha size) which are suitable for cage aquaculture. Blue revolution specifically outlines cage aquaculture in reservoirs as a means to boost fishery productivity. Satellite and Geospatial studies are the best tools to get precise estimates of the potential of cage aquaculture in reservoirs across the country.

Expected outcome

- The project/study outcomes include: long period water variability in reservoir, permanent water available, area (spatially) suitable for cage culture and maximum possible number of cages for each of the large reservoirs.
- Upscaling the technique/model to other major reservoirs in the country for Cage Culture.



Timeframe 2022 – 2024