

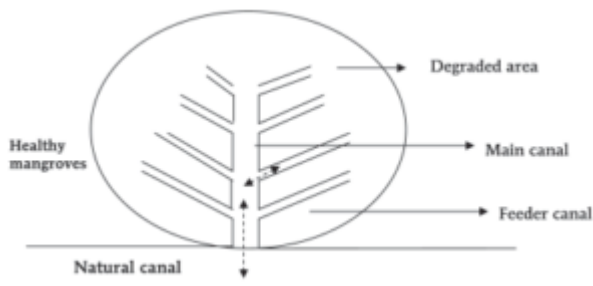
Fishbone channel plantation method

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In news– The fishbone channel plantation method is being implemented in Odisha's Bhitarkanika wetlands to revive mangroves.

What is Fishbone channel plantation technique?

- **It is used to artificially inundate areas that do not get regular tidal inundation.** By flooding dried-up wetlands near the intertidal zones, new mangroves can be reforested.
- **In this model, the water from a creek is diverted to the targeted site through feeder and field channels, converting the barren land with high saline content into fertile land** that supports the survival of mangrove plant species.



- The **shape of the fishbone** allows the water to reach **every nook and corner** of the field channels
- The **seeds of the mangrove plant species are sown on the banks** of all the channels once the salinity is reduced to the required level for the survival of the plants.
- Restoring the cover through the model demands a mix of expertise in understanding tides, sea water parameters, irrigation and botany.
- The fishbone channel plantation technique also **helped revive the mangrove cover in the Krishna Wildlife**

Sanctuary in Andhra Pradesh.

Further reading:
<https://journalsofindia.com/bhitarkanika-national-park/>