

Fishbone channel plantation method

By IAS Toppers | 2022-07-09 17:30:00



Fishbone channel plantation method

The Fishbone model of irrigation has helped restore the mangrove cover in the Krishna Wildlife Sanctuary (KWS) in nearly 6,000 hectares since 2006.



[Ref: JournalsOfIndia]

- The method 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 to support the survival of **mangrove plant species**.
- The shape of the fishbone allows the water to reach every 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.