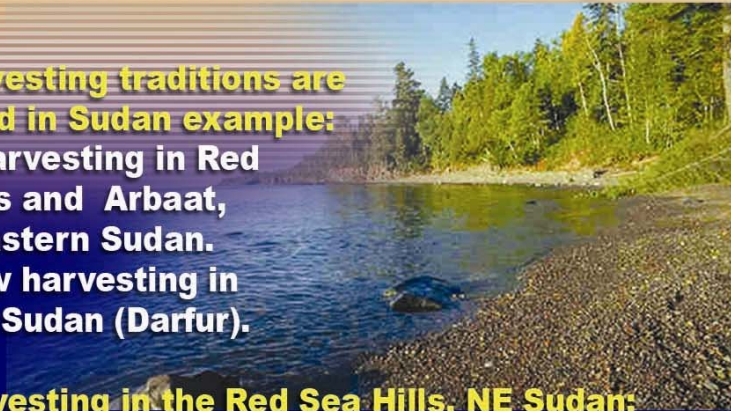


IK in relation to water harvesting

Water harvesting traditions are widespread in Sudan example:

**Water Harvesting in Red Sea Hills and Arbaat, North Eastern Sudan.
Wadi flow harvesting in Western Sudan (Darfur).**

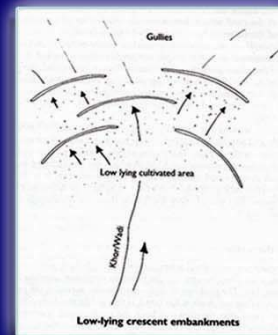


Water Harvesting in the Red Sea Hills, NE Sudan:

**Mountainous, hilly terrain with wadis
The Beja are the dominant social group depending on pastoral transhumance & farming
Without indigenous technique of water harvesting, life here would be impossible.
Domestic water supply is from hand dug wells
Irrigation is supplied by building earth embankments across wadis to spread the water outwards
Large crescent shaped bunds are built on the wadi beds & planted with sorghum.**

Low lying crescent embankments capture water spread from wadis

The Beja developed this technique that is flexible, & fits in with labour requirements & social structure.



Water harvesting in Khor Arbaat area:



Water harvesting in Khor Arbaat

Water harvesting is based on simple and inexpensive diversion of runoff water by ridges of earth or rocks from the catchment area to a cropping basin (earth embankments).



Diversion of the Khor water was also made through the introduction of the Contour bunds as a source of irrigation for tree and crop/ fodder planting.