

Title: Erosion-control Intervention Associated With Pond Catchment Rehabilitation in Borana Plateau, Ethiopia.



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-Buried into gully floor & rising 50-150cm above it.  
 -Gaps of 10-15cm are left b/n th upright posts.

- Branches are then packed horizontally upstream against the row of posts.

-Photo shows when sieve dam structures slow down runoff flow in the gully.



-Sediments filtered/sieved after rainfall events before reaching community pond.

-Measuring the accumulated sediment using graduated stick meter.

-Areas that initially had very low plant cover can experience substantial increases in cover once protected/ treated.

-Gully on the rehabilitation processes after treatment.



-The simple act of fencing an area to exclude livestock here for about one year caused both ground cover and ground species diversity to more than double.

- This is a conservative conclusion based on a data record that was initiated well after the improvement process had begun.



-Protecting pond perimeters from livestock grazing + sieve dam structures installation in the gully can cause dramatic increases in vegetation cover with in a relatively short period of season.

