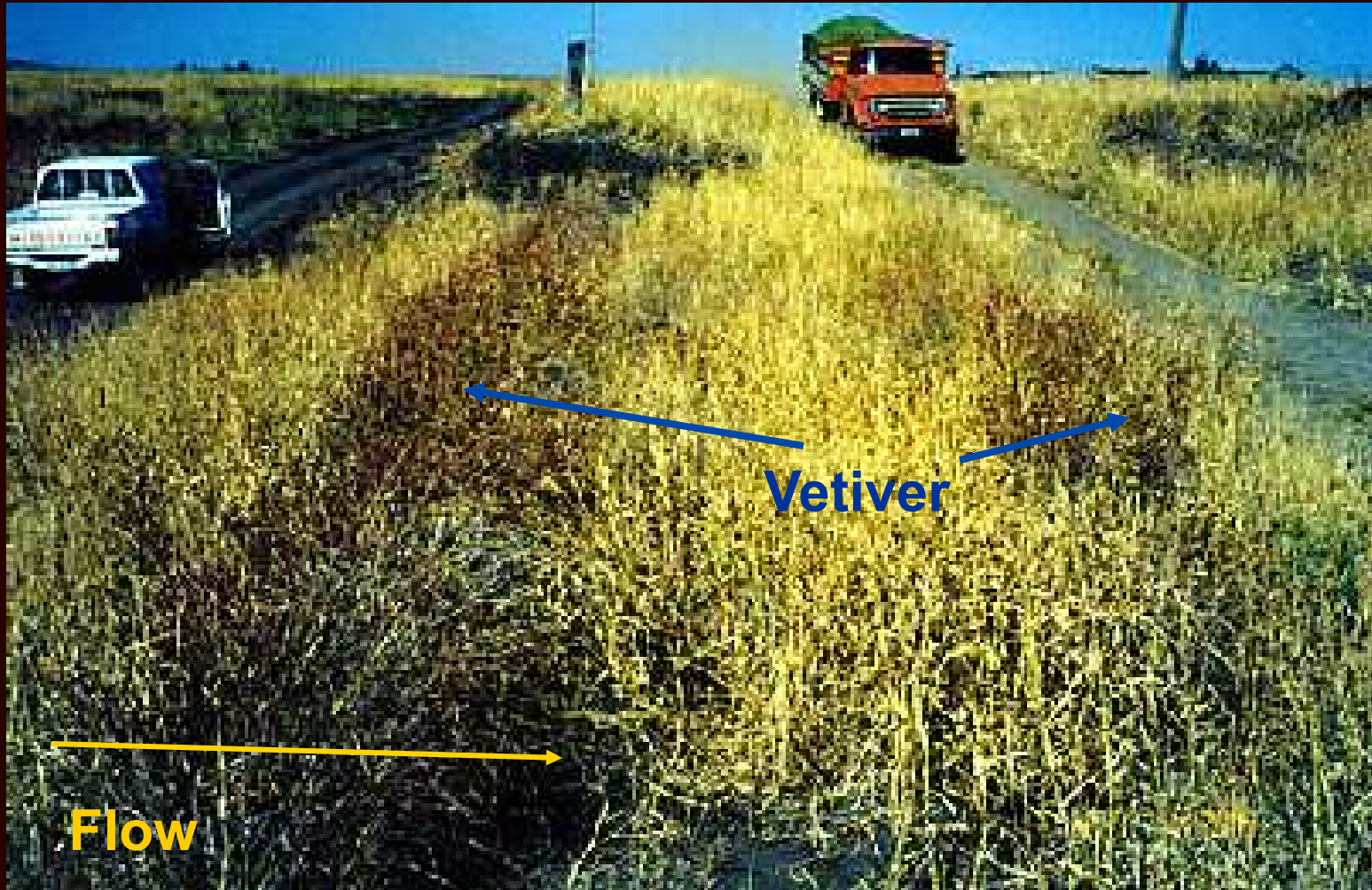


# VETIVER SYSTEM FOR FLOOD EROSION CONTROL



THE VETIVER NETWORK INTERNATIONAL

**Australia:** This concrete causeway on this farm road was often washed away by flood water which undermined the foundation of the concrete surface Two rows of vetiver planted upstream of the causeway.



**A 3m deep flood swept through this causeway, completely submerged the vetiver rows**



**Although badly battered, the vetiver hedges held firm during the flood, preventing the undermining of the concrete causeway**



**THE VETIVER NETWORK INTERNATIONAL**

**Australia: This drainage channel is often damaged by flood, note that vetiver hedges bent under strong current**



**THE VETIVER NETWORK INTERNATIONAL**



**Submerged Vetiver  
hedges**

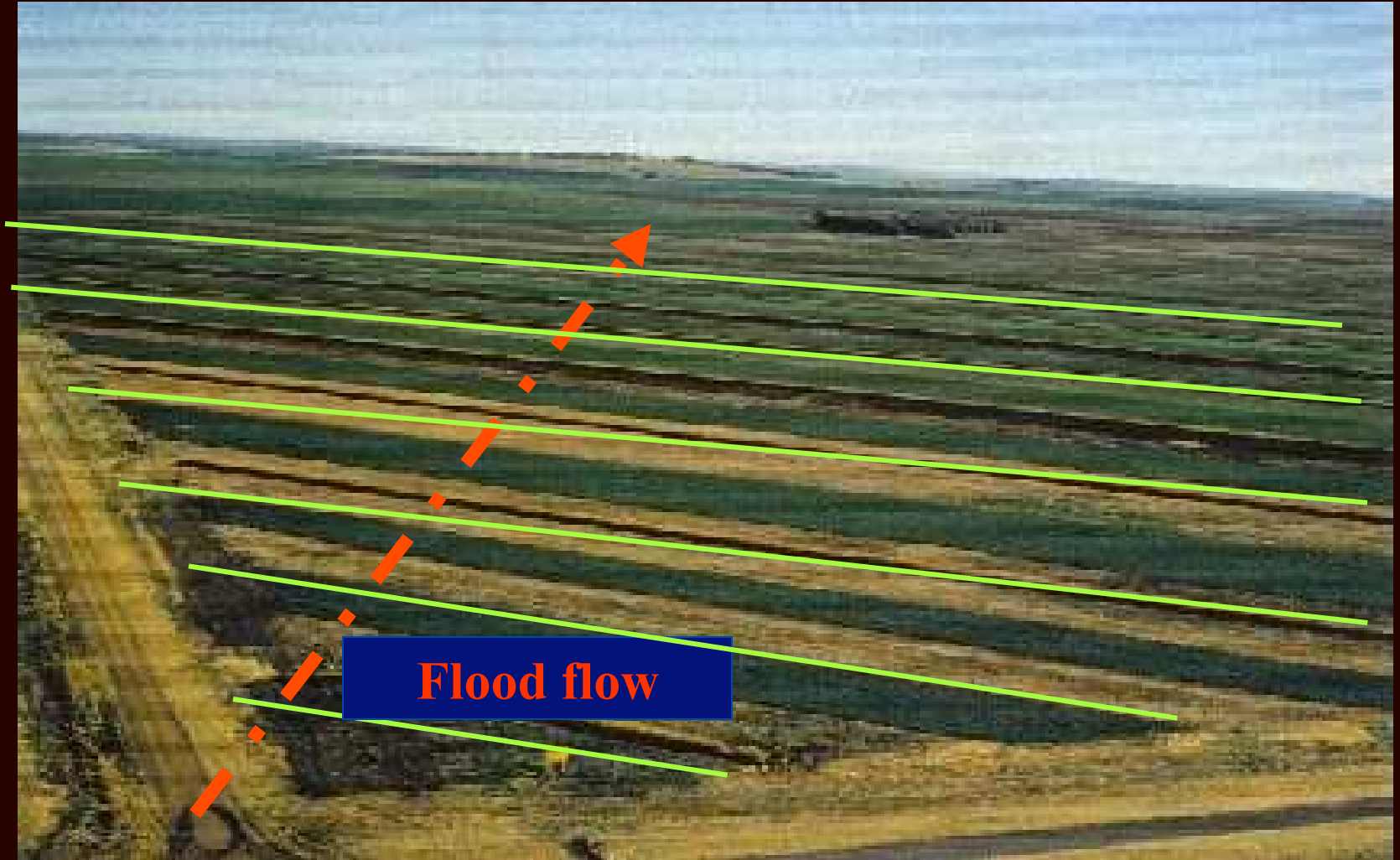


**Although only 3 month old, the young hedges provide a very effective protection with only minimal erosion at the head of the channel**



**Small erosion**

**Australia:** Flood erosion is often severe on the flood plain and this rich agricultural land is traditionally protected by strip cropping practice. Six rows of vetiver planted at 90m interval as an alternative flood erosion measure.





## A major flood event in 1996



**THE VETIVER NETWORK INTERNATIONAL**

**No sign of rill and minimal surface erosion**



**THE VETIVER NETWORK INTERNATIONAL**

**No flood damage and excellent crop of sorghum**

