

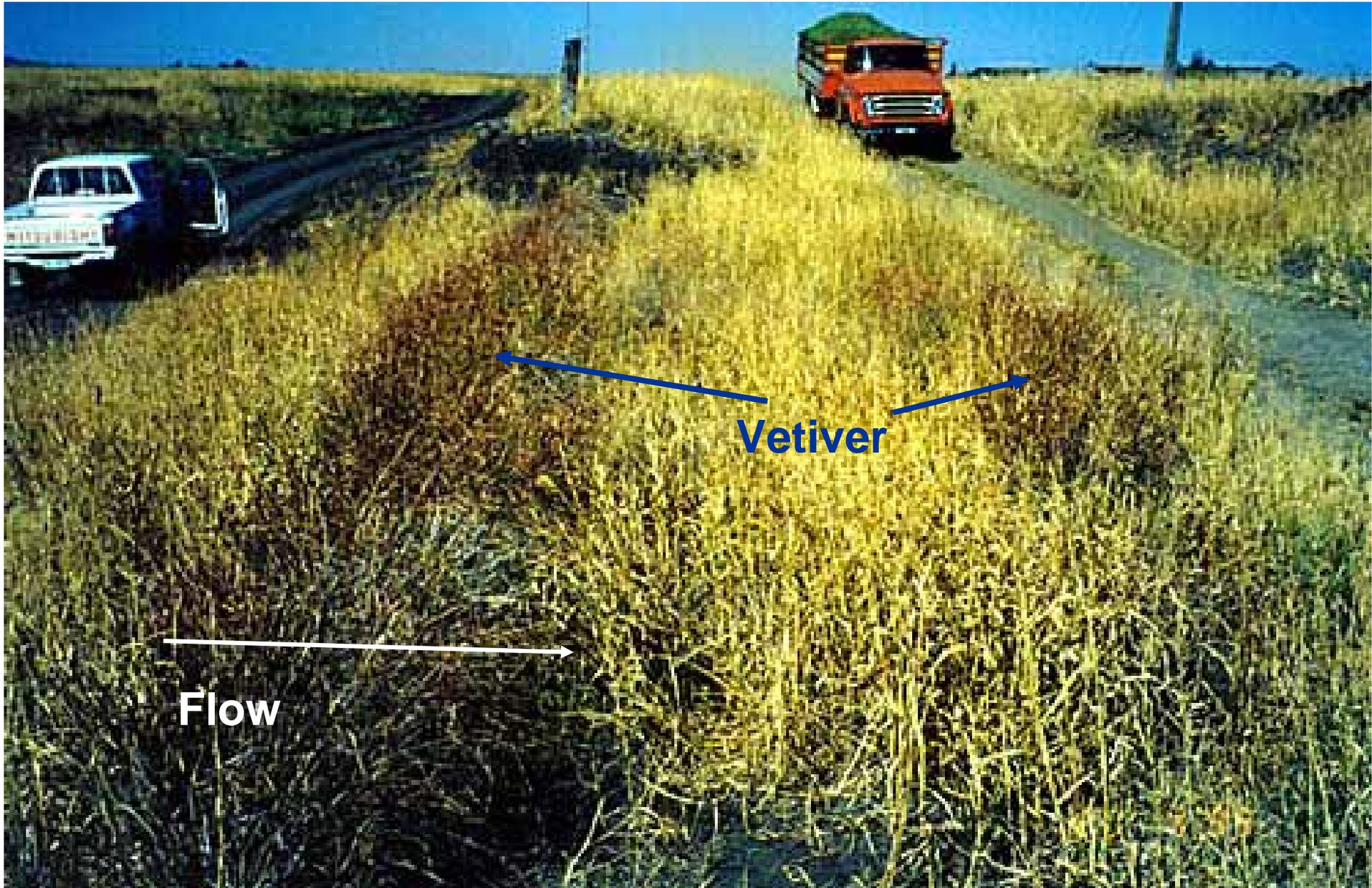
***Across the gulley or streams***

works of P Truong in 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 well established and mature vetiver planted upstream from 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



**Partially submerged under fresh water for at least 6 months on a farm waterway**



***FLOOD EROSION CONTROL ON  
A LARGE URBAN DRAIN  
IN QUEENSLAND***

**VETIVER WAS PLANTED ON THIS LARGE URBAN DRAIN TO CONTROL FLOOD EROSION**



**A large flood hits the town 3 months after planting.**

**Middle section, note that vetiver hedges bent under strong current**



**Very fast flow flattened and inundated most of the hedges. The velocity was estimated up to 5m/sec in some areas**





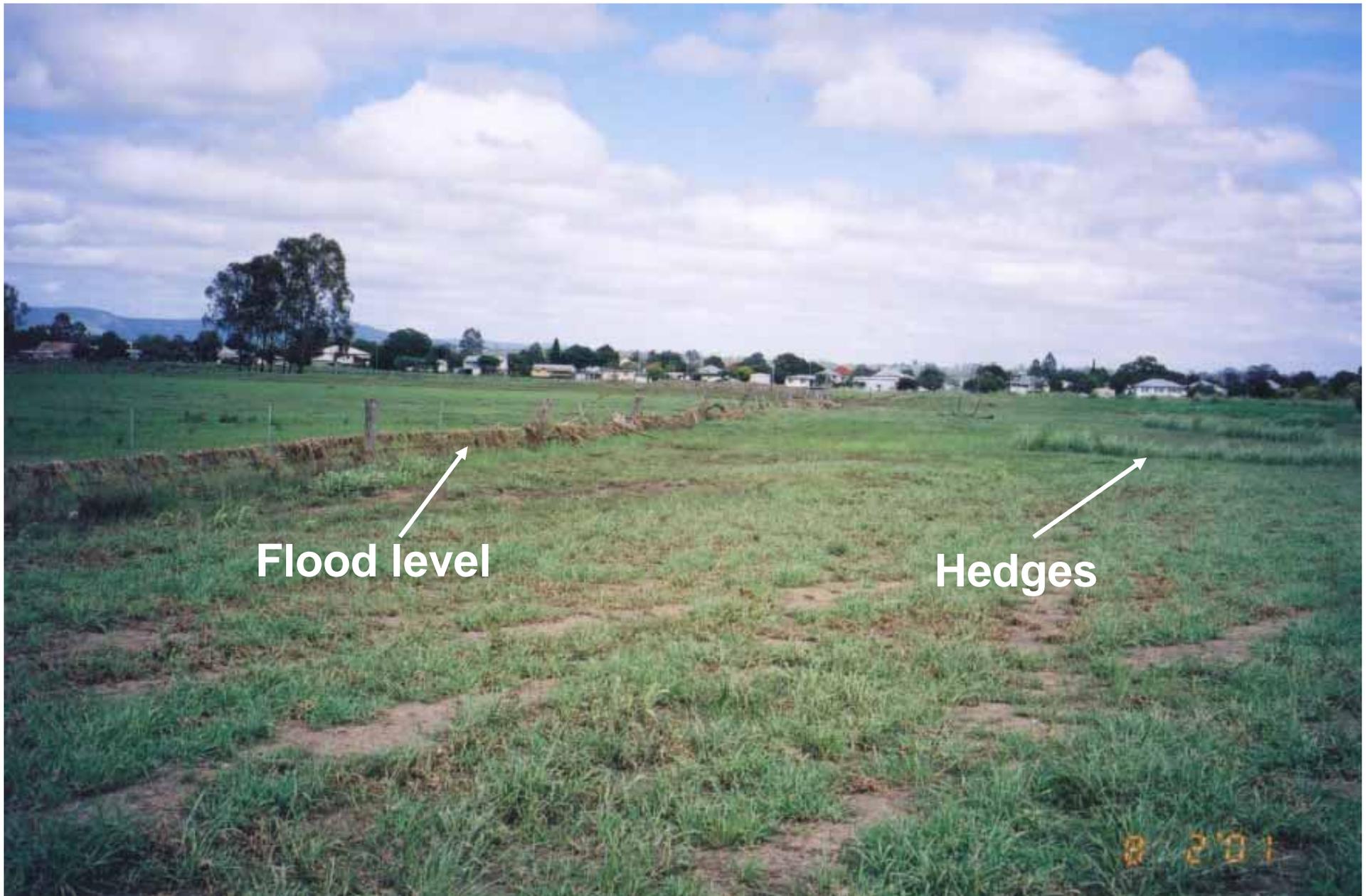


**Submerged Vetiver  
hedges**



**Submerged Vetiver hedge**

# Six days after the flood, upper section



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



**The hedge fully recovered seven weeks after flooding**

