

VETIVER SYSTEM FOR FLOOD EROSION CONTROL



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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.



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



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



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**Submerged Vetiver
hedges**



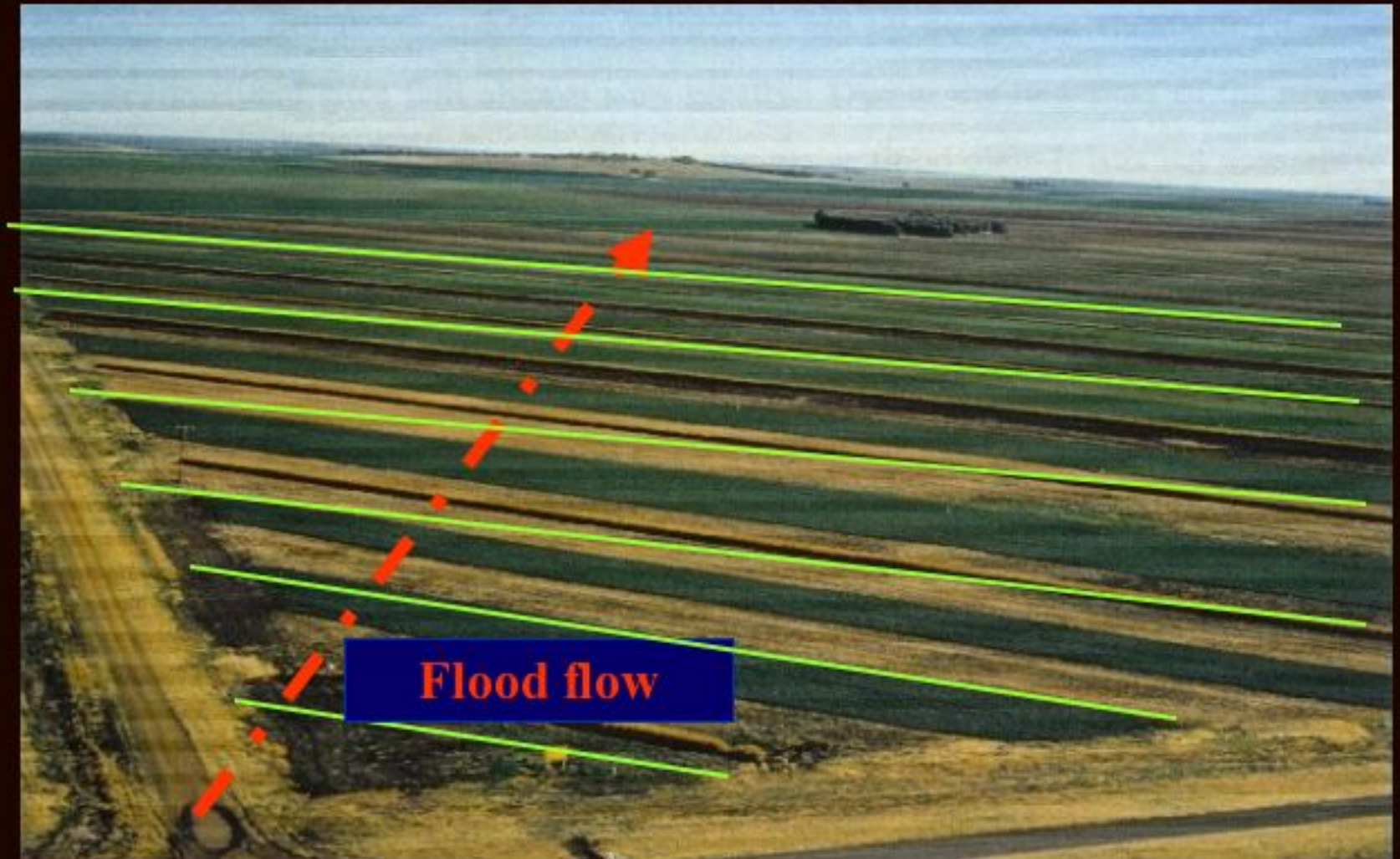
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Although only 3 month old, the young hedges provide a very effective protection with only minimal erosion at the head of the channel



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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.



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No sign of rill and minimal surface erosion



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No flood damage and excellent crop of sorghum



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A major flood event in 1996



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



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