

Indigenous Technological Knowledge Presentation



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April 1, 2014

JAMAICA



Caribbean Sea



Land Husbandry Strategy

Cropping System	Soil and Water Conservation (Soil and Rainwater Management Practices)			Soil Fertility Management	Improved Cropping Patterns
	Short Term	Medium Term	Long Term		
Agro-Forestry (Mixed Tree Crop)	Diversion Ditches Trash Barriers Mulch Individual Basins	Diversion Ditches Individual Basins Circle Weeding	Diversion Ditches Individual Basins Circle Weeding	Individual Basins Buried Organic Manure & Fertilizers (correctly applied)	Correct Spacing Shade Management Correct Pruning & Topworking
Intercropped Tree Crops (with Short-Term Cash Crops-"Ally Cropping")	Diversion Ditches Trash Barriers Minimum Tillage	Diversion Ditches Trash Barriers Vegetative Barriers Minimum Tillage	Diversion Ditches Individual Basins Circle Weeding	Green Manure Animal Manure Individual Basins Buried Organic Manure & Fertilizers (correctly applied)	Contour Cultivation Crop Rotation Correct Spacing Shade Management Correct Pruning & Topworking
Cash Crops	Diversion Ditches Trash Barriers Minimum Tillage	Diversion Ditches Trash Barriers* Vegetative Barriers Minimum Tillage	Diversion Ditches Trash Barriers* Vegetative Barriers Minimum Tillage	Fallow Periods Green Manure Animal Manure Fertilizers (correctly applied)	Crop Rotation Contour Cultivation

**Only where long term land title is not secured ("Cedar Valle" partially buried grass/trash barriers system is highly recommended)*

Footnote: Trash Barriers do not include bamboo pole / tree trunk barriers which are not recommended as medium and long-term measures; in the short term, such barriers have to be reinforced with trash to insure no concentration of run-off through gaps. Vegetative Barriers include improved fodder grass, leguminous shrubs, (Calleandra, Luceana etc.) khus khus and pineapples. Stone Barriers are to be constructed only where stones are available in the field under preparation.

Natural vegetation disturbed



Reforestation



Bare land caused by fire



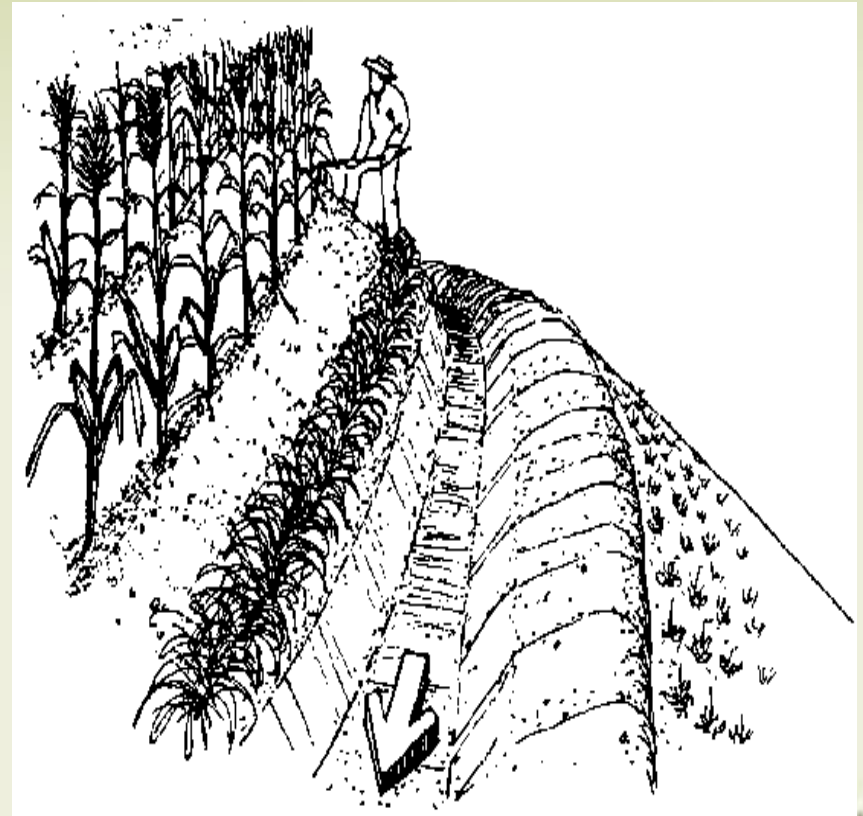
Soil Conservation - Contour Barriers



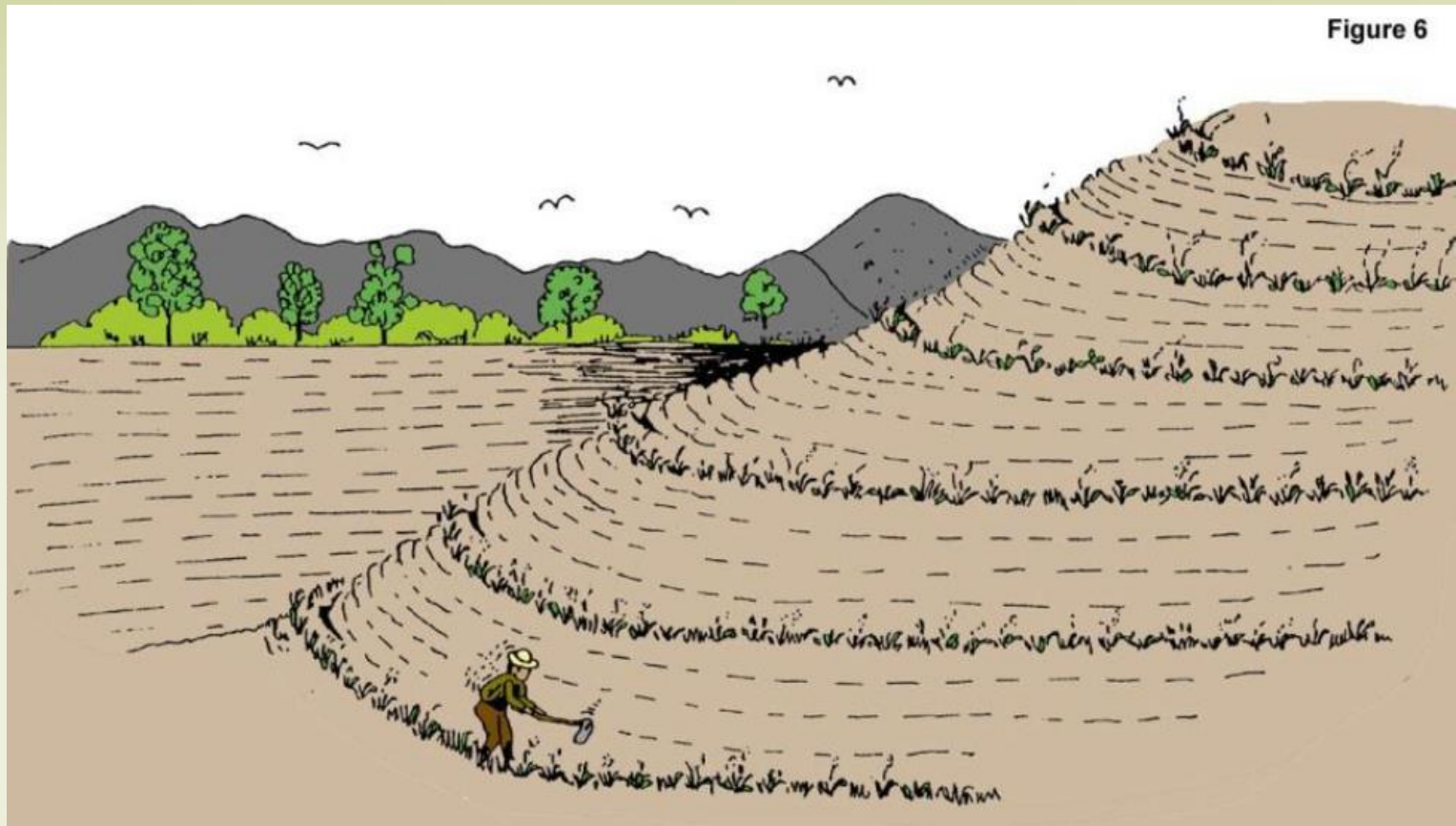
Farming on sloping lands without contours



Barriers along contour - Soil Conservation



Barriers along contour - Soil Conservation



Land Slippage



Gabion Basket - Soil Conservation



Land Slippage



Retaining Wall



No River Training



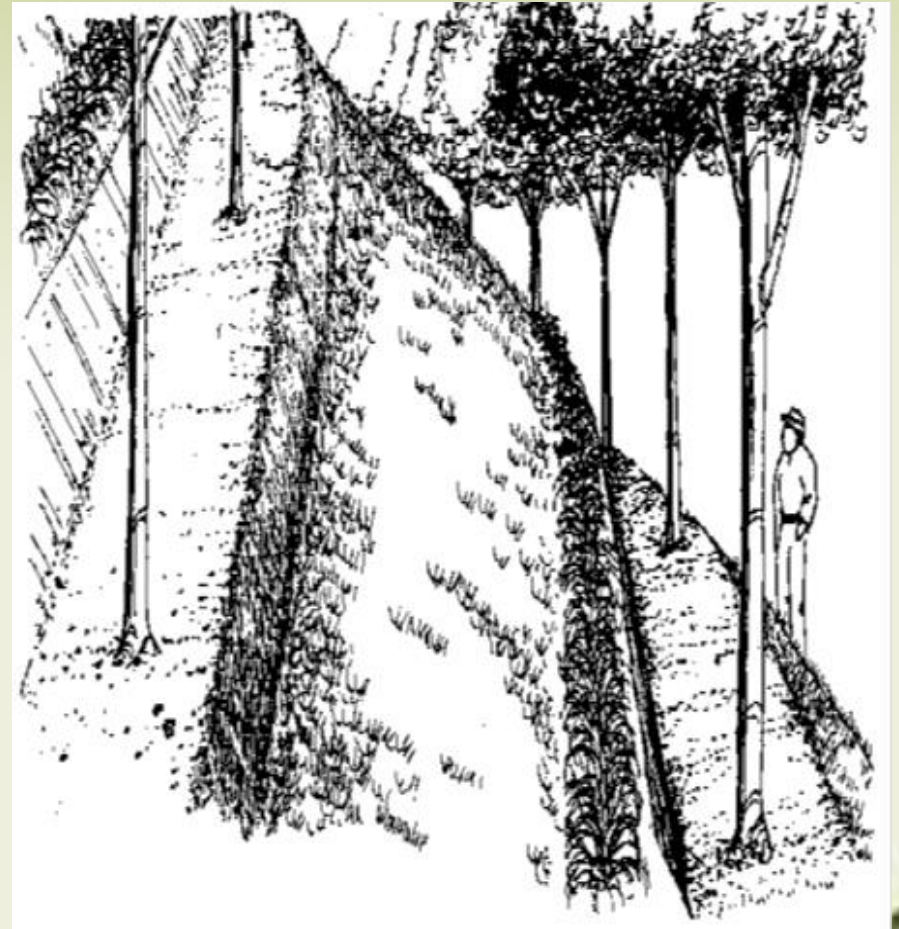
Proper River Training



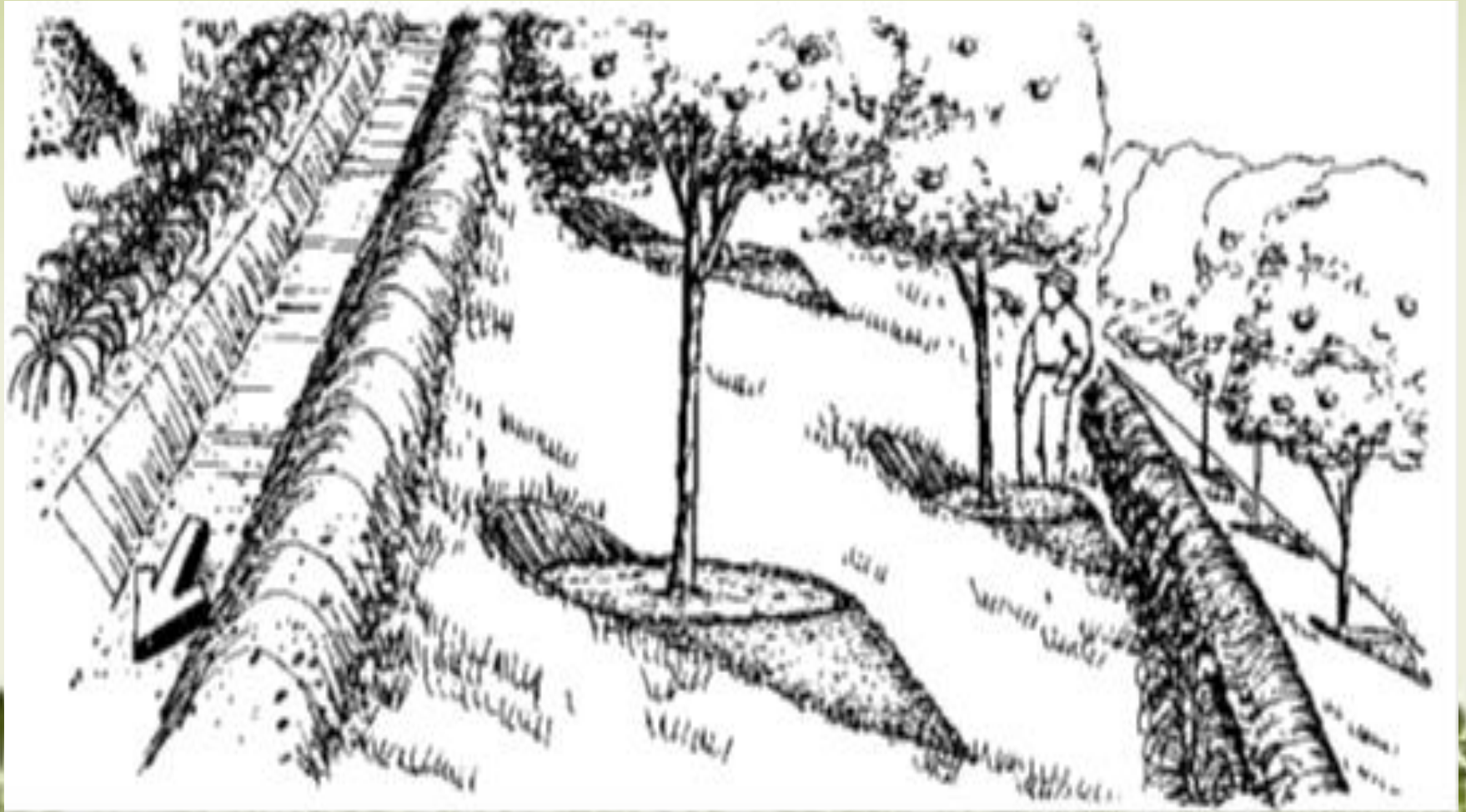
Land Slippage



Contour and Reforestation



Contour and Reforestation

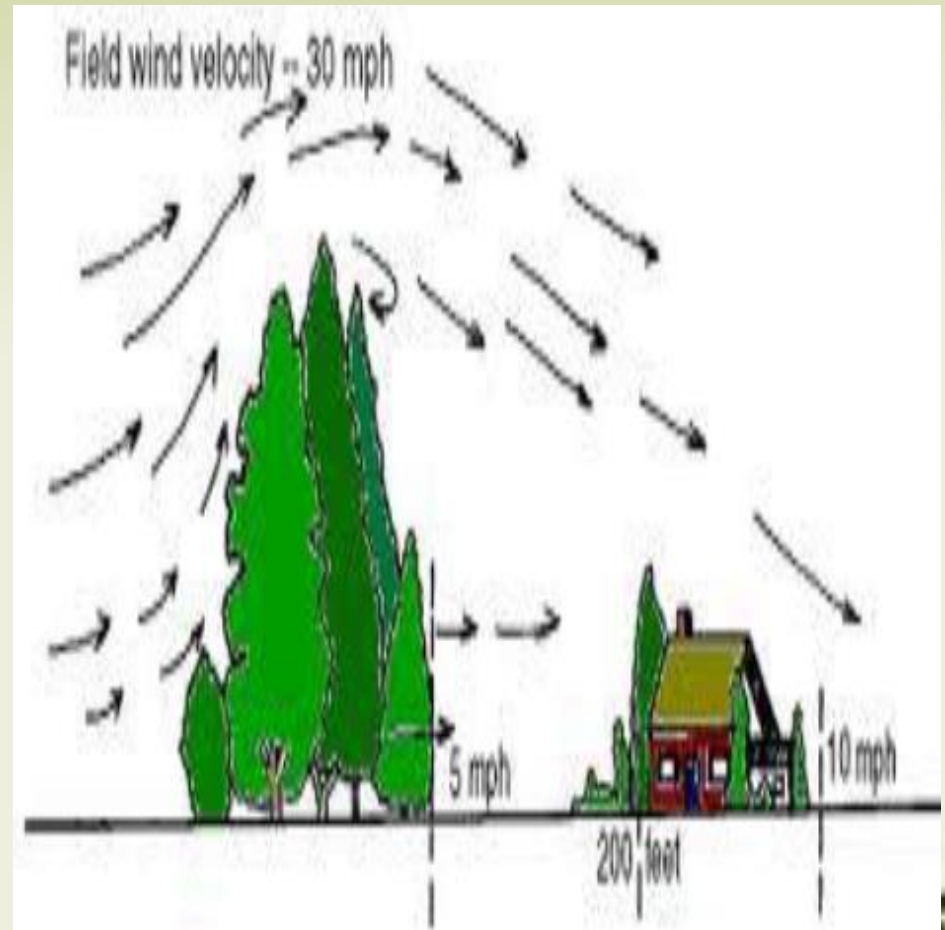


Using worn tires for soil retention

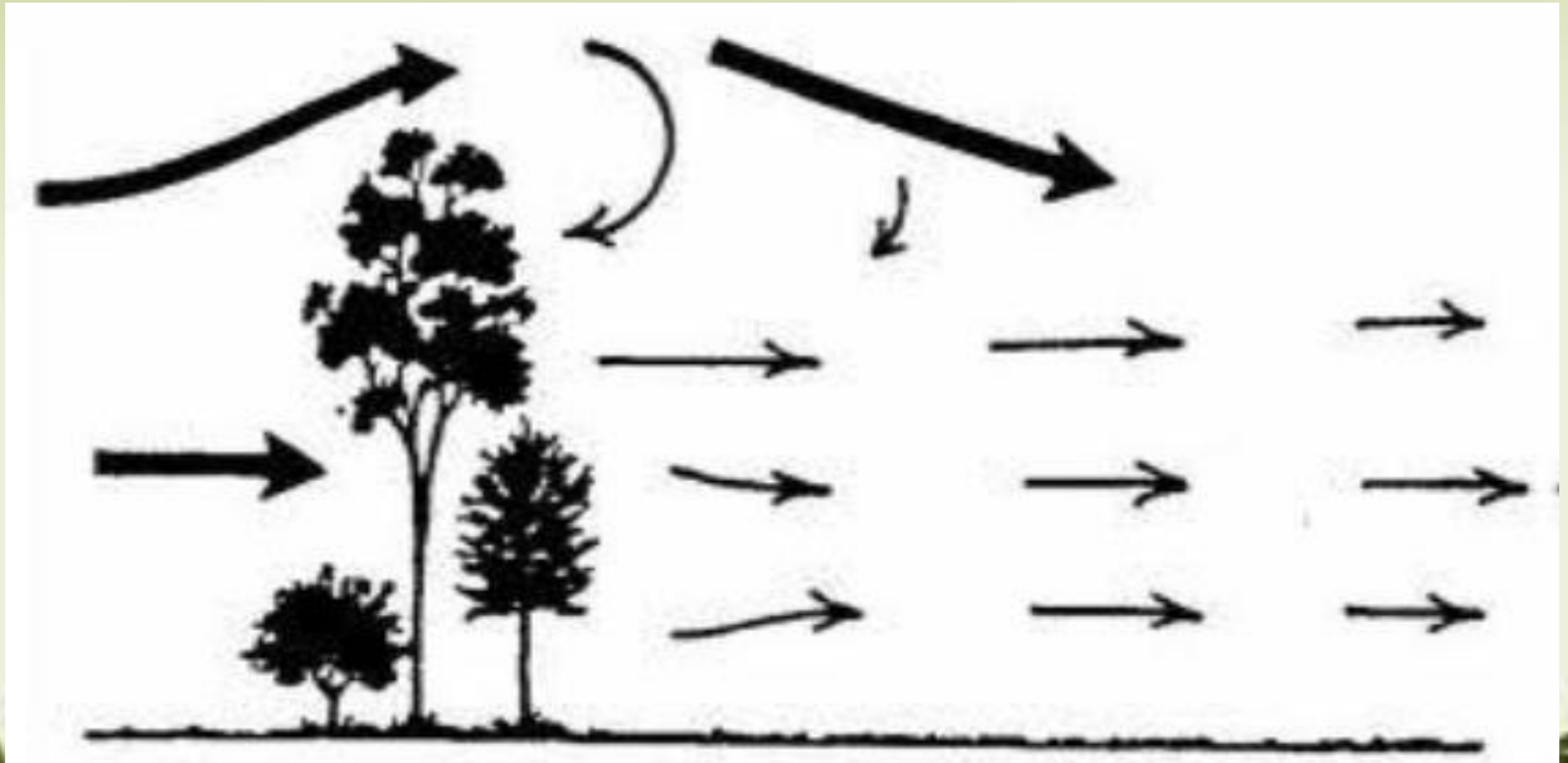
Using worn tyres to correct eroded check dams



Banana trees damaged by wind



Wind Breaker Trees used as hedging and crop protection



Flooded Farm Roads

Drains being maintained, unblocked by garbage



Resuscitation of Trees



Vegetative Barriers



Main Drain across contour



Inadequate Barrier on sloping land



Vegetative Barrier (Pineapple)



Ground Coverage (Sorrel)



Ground Coverage (Carrot)

