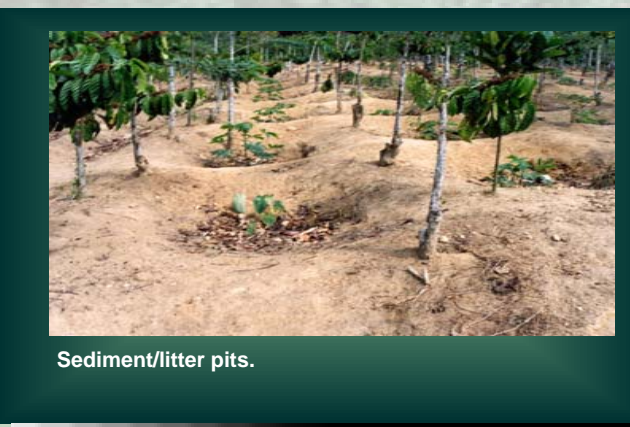
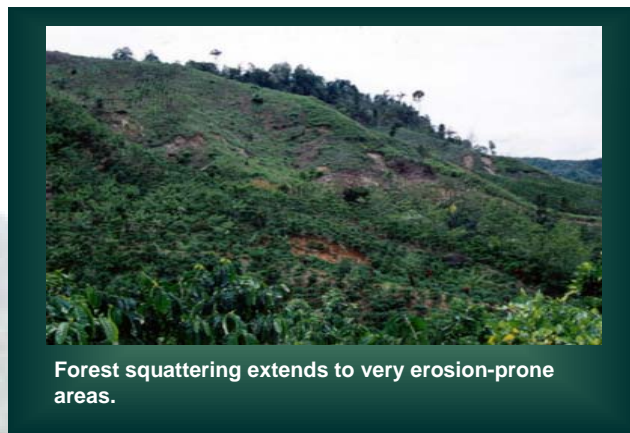


Research Proposal

Maximizing Landscape Filter Functions under Smallholder Coffee Plantation in Sumberjaya, Lampung



Research questions

1. By how much are the watershed functions of a coffee micro catchment differ from a micro catchment under permanent vegetative cover (bush or forest) in terms of runoff and on-site and off-site impacts of soil erosion?
2. How much can runoff and soil erosion be reduced under coffee plantation?
3. Will government permit an experimental situation whereby farmers can enjoy semi-permanent land tenure by practicing a conservation farming system? What are a set of acceptable provisions to implement such an agreement in terms of measurable effects on watershed functions?
4. What is the hypothesized effect of a given set of conservation farming practices on each given slope class that will fulfill the agreed provisions of tenure settlement?
5. What is the appropriate blend of farmer-led and researcher-led trials to verify the performance of conservation farming practices that will be implemented?
6. Is it practicable to communities of farmers to form groups to develop a plan for their catchment and a farm plan for each farm?

