



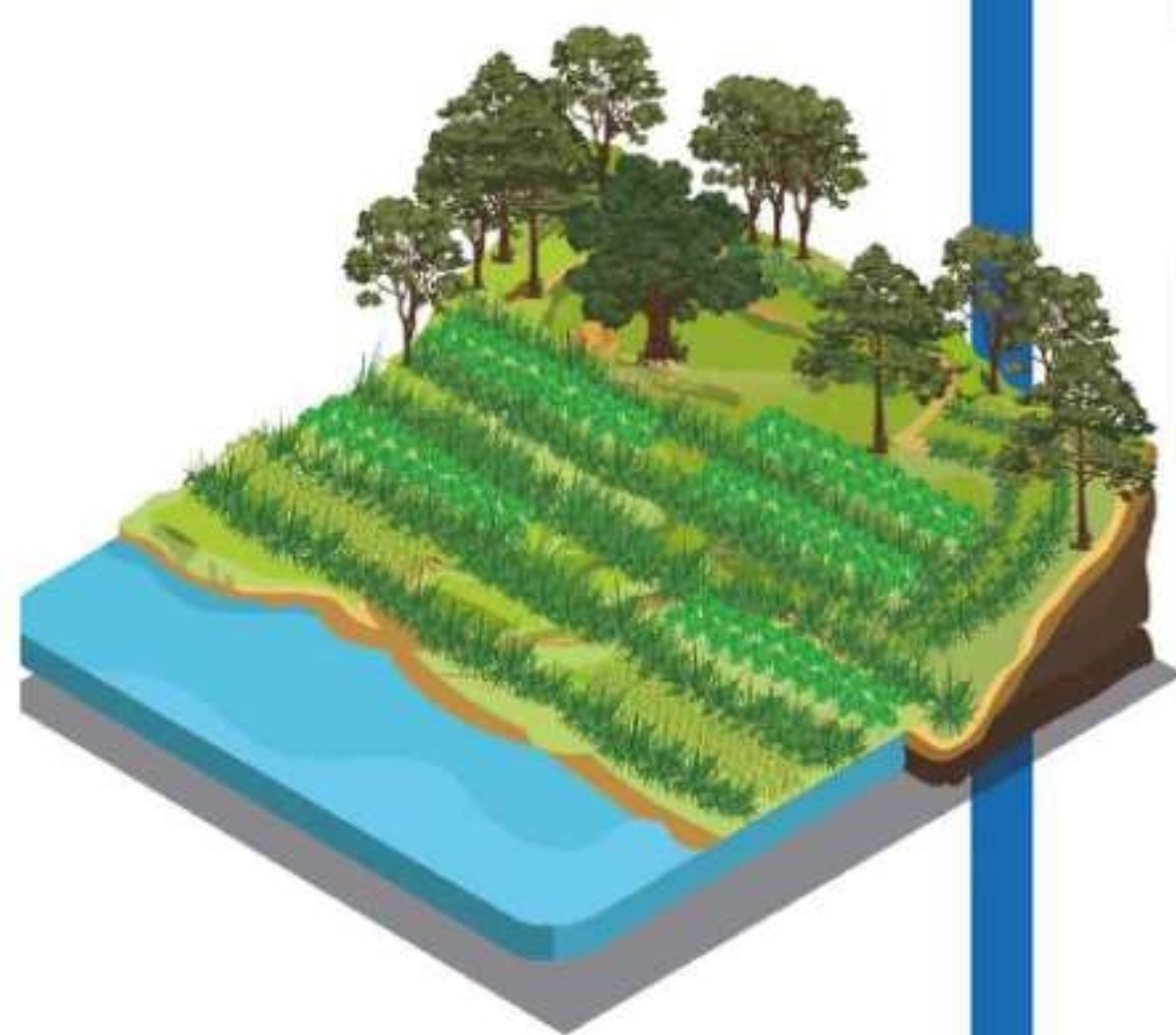
กรมพัฒนาที่ดิน
Land Development Department



กระทรวงเกษตรและสหกรณ์
Ministry of Agriculture and Cooperatives

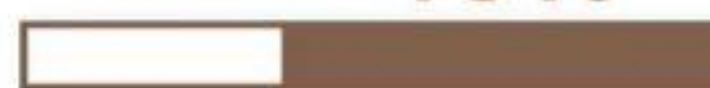


The Pronounced Successful of Soil Erosion Reduction Project



- Soil erosion is reduced by 40%, and the loss of nutrient content is reduced by 40%.
- Farmer produces organic fertilizer by themselves. In the past, farmers must pay 17,000 baht per rai per year for fertilizer, farmers now pay only 7,000 baht per rai per year.
- Soil has increased its fertility; the amount of nutrients and soil organic matter is increase.
- The research has shown that hill side ditch is the best way to reduce the contamination of herbicides.
- Farmers have enough water for daily life and agriculture. The land was fully utilized to generate income for the farmers.
- The forest on upstream areas have been restored. Ecology and environment have rehabilitated. The farmers have food security.
- Farmers have increased incomes from combining and promoting organic farming. Organic fertilizer production in the group reduces the cost. The production and distribution of products under the concept of sufficiency economy can be sold at a higher price than conventional farmers. When income increases, livelihoods grow, farmers are happy.

Soil erosion
reduced **40%**



Loss of nutrient content
reduced **40%**



Source : Study on the effect of soil and water conservation system on erosion rate in the Mae Chan watershed.



Pioneer Highland Development Project against Soil Erosion in Mae Chan Land Development Zone, Mae Chan Catchment, Chiangrai Province is a successful project to reduce soil erosion, soil pollution and soil degradation. It can be a guideline and model for further development of other watersheds.