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## Protection of hill lakes through erosion control works

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Soil erosion has a great impact on reservoirs, owing to sedimentation and degradation of water quality. Erosion and sediment effluence are compared between a watershed with erosion control works and same watershed without erosion control works. The comparative analysis of these two situations set of some conclusions.

The erosion can be reduced under acceptable limits; a proper cultivation structure mixed with erosion crop system reduced erosion and sediment effluence; a good erosion control works capitalized efficiently rainfall, surface runoff is reduced; an adequate reclamation of outlet network reduces gully erosion; ensemble of land reclamation (cultivation structure, erosion crop system, erosion control works on outlet network) reduces erosion and sediment effluence with 23%.

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