Abstract - Evaluate productivity of semi – flooding land around Hoa binh reserv...

Objective: to investigate area, location, and productivity of semi – flooding land around Hoabinh reservoir, where are about 7.800 household are losing their agriculture land because of the reservoir.

Based on topographical maps at scale of 1/25.000, 250 km along the lake bank have been surveyed. The following results were drawn:

- Based on water follow scheme of Hoa Binh reservoir, the safety belt for agriculture activities are between 90 to 125 m abs.
- Total area of semi-flooding from the damnung to Tabu is 5.870 ha.
- The semi-flood land are fragmentary because of the lake's shape and slope terrain. It is a very thin belt running along 720 km of lake's bank. The average wide of this belt is 30-80 m, thus made it very difficult to use.
- The largest semi-flooding area which suitable for agriculture are 384 ha located at Soi tac, Phu Yen district.
- The safety time for agriculture are from 15 Jan. to 15 Jun (based on water flow scheme 1991-1992)

In general, the semi-flooding area of Hoa Binh reservoir are small and less productiveness. However, to meet the land requirement, we need to effectively use areas located near villages; the terraced-field technique was recommended.