

# MAPPING THE K COEFFICIENT FOR THE PAYMENT FOR FOREST ENVIRONMENT SERVICES IN BAC KAN PROVINCE

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## Summary

The K-coefficient mapping and calculation of payment for Forest Environmental Services Program in Bac Kan province is a case study which have indicated how to design and set up and achieve the Payment for Forest Environmental Services (PES) program. The study contribute to the goals of the Government in implementing the Decree of 99 of the Government of Viet Nam issued in 2010. The coefficient K for PES in Bac Kan province was determined to be  $0.65 \div 1.00$ ,  $K = 1.00$  of which was 0.01%, and  $K = 0.77$  which was accounted for the highest rate by 31.79%, the actual coefficient K was much smaller than the current coefficient  $K = 1$  in Bac Kan province shown in this survey. The results showed that, the map of the K coefficient is very useful for calculating the payment amount and establishing the list of payments for forest environmental services for each of the forest owners in the watershed.

**Keywords:** *Payments for environmental services of forests, map, K coefficient, map, ArcGis 10.2, Bac Kan.*