

STUDY ON REALITY OF STREAM DISCHARGE AND SOME FACTORS EFFECTING TO CAU'S WATER QUALITY IN THE STAGE OF THAI NGUYEN CITY, THAI NGUYEN PROVINCE

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Summary

This study was conducted in order to assess the reality and find out the factors which effecting to Cau river's water quality in the stage of Thai Nguyen city, Thai Nguyen province. A field survey was carried out and water samples was taken and analyzed 11 indicators by popular methods. The result shown that there were some indexes from water samples higher than National standard in column A such as COD, BOD₅, Fe and *Coliform*. Research has also pointed out some impact factors to Cau river's water quality as following: Waste water from urban activities, hospitals and factories. Analysis results indicated that Water of Cau river starts to be polluted, so that effective solutions should be used to reduce water pollution in the future.

Keywords: Water quality, Cau river, water pollution, stream discharge, Thai Nguyen city.