

## A Simple Method for Evaluating the Deterioration of Water Quality in Rural Area

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A simple method calculating PNA(Potential Nitrogen Concentration by Agricultural Activities) was proposed for the purpose of evaluating the deterioration of water resources in rural area. The PNA is calculated easily by three factors; farming factor, hydrological factor, and object factor. Those factors are calculated from statistical yearbook or basic meteorological data. The features of this method are as follows; evaluating water quality distribution in river basin with less water quality monitoring, easily update by using statistical data. In this study, the PNA method is applied to agricultural areas in the south west of Japan.