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## Nonpoint pollutants runoff characteristics in Okcheon

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The purpose of this study was conducted to evaluate characteristics of nonpoint pollutants from watershed. Water sample collected on the basis of daily from 29 May ~ 21 July 2003 with automatic water sampler. The pollutants of nonpoint source seem to be washed out along the stream water in the beginning of rainfall, remain in water and cause the stream pollution. The runoffs during heavy rainfall, especially, contains SS of much higher concentration than those during dry period. With respect to the annual loading of pollutants of the nonpoint source(rainfall season), the COD was 375 t/yr(95% of the total COD loading of 394 t/yr), TOC 844 t/yr(96% of the total TOC loading of 876 t/yr), TN 1,985 t/yr(96% of the total TN loading of 2,062 t/yr) and TP 37.1 t/yr(92% of the total TP loading of 40.3 t/yr). 90% of organic matter, TP and TN loading were from nonpoint sources and the contributions of point sources were relatively small.

Key words: nonpoint source, pollutant loading, Okcheon, rainfall