Typhoon Maemi and Impacts on Lower Nakdong River, South Korea

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Abstract. In South Korea, the average annual frequency of typhoons over 30 years, from 1971 to 2000, is 26.7 per year. Among the annual typhoons, Typhoon Maemi of September 12, 2003 was the worst typhoon to hit South Korea for more than a decade, causing wide damage from the Nakdong Rver basin to the port of Pusan and the populated areas in the southeast of the peninsula. More than 110 people were killed in Korea. Several bridges collapsed and about 18,000 buildings were either destroyed or damaged by the typhoon. The characteristics of Typhoon Maemi, on the Nakdong River basin, and flood damages are analyzed using the satellite data and field measurements of hydrologic and hydraulic conditions.

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