



The Sava river flood in 1990 observations and calculations

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In 1990 Slovenia suffered the most severe flood in the 20th century with damage of 19,7 GDP. The disaster was well documented and analysed. A lot of data is available and useful for hydrological and hydraulics analysis, but also some equipment for hydrological measurement was damaged and data are lost. Flood discharge was estimated on flood discharge curve and discharge measurements derived with that time equipment. Today 3D ADV Doppler equipment provides us with measurement of higher discharge that gives possibility for better estimated discharge curves. New measured data of flood peak flows give us a new look at what was going on during the flood 1990. Results of analysis give us much lower flows than previously estimated ones.