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HSC24-13 Room: 102B Time: May 23 13:45-14:00

## A reservoir rip by the 2011 storm and flood damage and the influence

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The typhoon that attacked West Japan in the summer of 2011 gave the great damage in each place including Ki Peninsula. A reservoir of Shizuki Kawakami style collapsed in Awaji-shi, Hyogo. The saved water became the muddy stream and attacked the down stream. As a result, the cultivated area was buried among the earth and sand, and the house of the neighborhood of river mouth was flooded in a floor. In this area, I take the big damage at the time of the storm and flood damage of 2004. However, aging and local community transform decline in this area. Therefore the maintenance of a reservoir and the waterway tends to be left unattended far from advancing. By this report, I think about a reservoir excellence local disaster prevention / decrease evil. This is a report of the situation that the downstream village where is totally unrelated to a reservoir for agriculture of upper reaches suffered from.

Keywords: reservoir, flood, rip, GIS, storm and flood damage

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