

## **Utilization of Ground Water in Damaged Area of Kumamoto Earthquake**

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### **Abstract**

Mashiki town, a most damaged area of Kumamoto earthquake, benefits from ground water as a long time. But it has been draining away in large quantities to irrigation canals and river, it can't be said that the people makes the most of the blessing of it. Hence this paper aims to clarify the utilization of ground water and to make a basic information for town development in Mashiki town. Especially we addressed the relation between daily use and temporary one at the time of earthquake. The major results are as follows: 1) There are 27 places of utilization of ground water in Mashiki town. They are used for a variety of purpose in either public or private. 2) The form of utilization is divided into three types which are pond, water tank and well. 3) It was useful for residents at the time of earthquake because public waterworks could not be used at the time of earthquake. A lot of private wells changed into public use.