
AHW019-02

Room: Exhibition hall 7 subroom 2

Time: May 25 15:45-15:58

Hydrological observations at multi granitic mountains

Taro Uchida^{1*}, Keiji TAMURA¹, Yuko ASANO²

¹Public Works Research Institutes, ²Graduate School of Agricultural and Life

Many previous studies examined roles of site conditions, including topography, vegetation, landuse etc., on hydrological behaviors in using the paired catchment method. Since 1990s, many hillslope hydrologists focused on the role of bedrock geology on hydrological behaviors in headwater and pointed out the bedrock geology gave a large impact on the hydrological responses. However, most of these studies focused on only differences of hydrological behaviors. In other words, the following question is still unanswered. Do catchments underlain by the same geology exhibit similar hydrological responses? Here we examine this question using three granitic mountains data.

Keywords: headwater catchment, runoff generation, bedrock control, similarity,, granitic mountains