Experimental Study on Landslide Dam-Break Due To Internal Erosion and Piping Using Monitoring Sensors

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Internal erosion and piping are common phenomena associated with natural dams (landslide dams, moraine dams, and levees). This has been referred to be due to unconsolidated nature of natural dam materials.



dam longevity and stability.





























Present conclusions:

Erodibility, internal erosion and piping simulation carried out on selected landslide dam materials were compared with silica sand #8. Result obtained shows that erodibility was high in silica sand #8 and low in landslide dam materials obtained from the field.

Result obtained shows that internal erosion and piping in natural dams depends on erodibility of the dam material.

More research will be carried out to validate the result obtained in these experiments.