

Estimate of variation of radioactive cesium sedimentation in a soil saving dam with the 3D laser scanner

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We investigate a soil saving dam to estimate amount of radioactive cesium flowing out from forest. A target soil saving dam is located in Abukuma mountain area. We measured amount of sediment with 3D laser scanner and calculated change of amount of sediment. As a result, variation of sediment are 0.5 m³ form Aug. 9, 2013 to Dec. 3, 2014, 0.1 m³ from Dec. 3, 2014 to Sep. 2, 2015 and 1.8 m³ from Sep. 2, 2015 to Dec. 1, 2015. Amount of cesium sedimentation is estimated 720 MBq.

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