

Mode of deposition of 2003 flood on the Hidaka shelf, Hokkaido, Japan

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Surface sediment sampling results indicate the deposition of flood deposits of the 2003 Hokkaido Hidaka flood by a typhoon is limited in the submarine depression which formed by river erosion during the low sea-level stand. Some deposits showed hummocky cross-stratification, and had high contents of terrigenous organic matters. Therefore, flood deposits were transported by high density combined flows along the paleo-river valley.