

## The effect of dam sediment on fish

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Dashidaira dam equipped with the gate for flushing the dam sediment out of the dam is located at Kurobe river of Toyama prefecture in Japan. In 1991, the ecosystem of the downstream area was damaged by the sediment flushed out of the dam. Nevertheless the toxicity of the sediment to the living organisms in the downstream area has not been estimated enough.

This study investigates the process of classification of the sediment flushed out of the dam into each of the grain size, the change of water quality in flushing the sediment, moreover the effect of the suspension on the fishes in downstream area.