

Can reservoir sedimentation management rescue fishes ?

Kazue Tazaki[1], Toshiki Nagura[2]

[1] Dept. Earth Sci., Kanazawa Univ., [2] Natural Sci. and Tech., Kanazawa Univ.

Sediment management in Dashidaira reservoir in Kurobe, Toyama, gives the environmental impact of sediment releases and the eco-system from downstream to sea shore. The reservoir is regularly flushed the sandy sediments with clays and organic materials. Mineralogical, chemical and physical properties of the sediments were analyzed using XRD and XRF, showing smectite and organic materials are rich in downstream. Water quality was monitored at several points downstream, indicating low dissolve oxygen. The results suggest that the sediment management in the reservoirs must think about rescue fishes in recent years.

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