



Dissolved Form Smith et al. 2004 Cs concentration changes in 3 phases over 12 years

Comparing the Cs-137 concentration level by scaling factor (θ)

High R² with the percentage of inland water $(R^2 = 0.75)$

bottom sediment Smith and Comans 1996 Cs-137 diffusive transport and remobilization was evaluated using model

water suggest the possibility that Cs-137 in the soil phase may be discharged into the river



θ Ρ	value	 A1, average slope, Basin area, and deposition ratio were signific Good correlation between λ1 and A1
C	0.55	
7 (0.49	> Only A2 was significant as an explanatory variable for $\lambda 2$
5 (0.78	
1 C	0.68	A3, deposition ratio, (and PFU) were significant as explanatory
1 <u>C</u>	0.04	
1 <u>C</u>	0.04	> Over time, the relationship between A and λ in the bottom sedime
5 (0.09	
C	0.09	> The Fukushima's bottom sediments had no relationshin with inl

Factors controlling dissolved 137Cs concentrations in east Japanese rivers. Science of the Total Environment 697