



## Erratum: Pollutant Flux Releases during Summer Monsoon Period based on Hydrological Modeling in Two Forested Watersheds, Soyang Lake

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### To the Editor:

In the article by Kang SH, "Pollutant Flux Releases during Summer Monsoon Period based on Hydrological Modeling in Two Forested Watersheds, Soyang Lake," Environ Eng Res 2009;14:13-18, several corrections were needed.

1. On page 15, in the first paragraph of Results and Discussion Section, there are references to previous works that should be stated. References 20-22 should be added as below:

The single event rainfall amount for two watersheds ranged from 24 mm to 198 mm.<sup>20-22)</sup>

2. On page 16, in Table 2, references should also be added as below:
3. On page 16, in the left column, first paragraph, the fifth line, reference 20 should be reference 23.

In certain cases, the regression values were high during the consistently short sampling period term in the cases of the 2<sup>nd</sup> and 3<sup>rd</sup> rainfall events or the same monthly data in the cases of the 3<sup>rd</sup> and 4<sup>th</sup> rainfall events in the Inbuk River watershed.<sup>23)</sup>

In the left column, first paragraph, the seventh line, reference 21 should be reference 24.

Lee et al.<sup>24)</sup> defined this phenomenon as seasonal first flush.

In the left column, second paragraph, the twelfth line, refer-

ence 22 should be reference 25.

Fentie et al.<sup>25)</sup> reported that the relative differences between total suspended sediment loads using rating curves varied depending on the scale of the watershed areas.

4. The following reference entries should be corrected to the reference list of the original paper:

20. Jung S. M., Kim J. K., Lee Y. Y., Kang S. K., and Kim B. C., "Runoff characteristics of nonpoint sources pollution and the annual soil loss in the Han river watershed," *Proceedings of the Korean Society of Water and Wastewater*, Daegu, November, P-110 (2006).
21. Jung S. M., Kim J. H., Kim B. C., and Kim J. Y., "Runoff characteristics of nonpoint sources pollution of upland cultivation agricultural area," *Proceedings of the Korean Society on Water Environment*, Incheon, April, P-30 (2006).
22. Kim B. C., "The characteristics and its control of NPS runoff to the area of Soyang multipurpose dam, 2004-2005," Korea Water Resources Corporation (2004).
23. Kim, L. H., Kayanian, M., Lau, S. L., and Stenstrom, M. K., "A new modeling approach for estimating first flush metal mass loading," *Diffuse Pollution Conference*, Dublin, part 4, 38-46 (2003).
24. Lee, H. J., Lau, S. L., Kayhanian, M., and Stenstrom, M. K., "Seasonal first flush phenomenon of urban stormwater discharge," *Water Res.*, 38, 4153-4163 (2004).
25. Fentie, B., Joo M., Yu, B., Hunter, H., Marsh, H., Carroll, C., and Dougall, C., "Comparison of Mean Annual Suspended Loads Estimated by the Sednet Model and Rating Curve in the Fitzroy Catchment, Australia," *International Congress on Modelling and Simulation, Advanced and Applications for Management and Decision Making*, Melbourne, December, 1133-1139 (2000).

The author apologizes to readers for leading to confusion on the interpretation of the results.

**Table 2.** Correlation coefficients with pollutant rating coefficient  $a$  and exponent  $b$  for indicators in Inbuk River, 2004 and Naelin River, 2005<sup>20-22)</sup>

Water Sheds	Indicators	1 <sup>st</sup> (from May 28 to 29) (A.R. 3mm: T.E.R 31mm)			2 <sup>nd</sup> (from June 19 to 21) (A.R. 2mm: T.E.R 60mm)			3 <sup>rd</sup> (from July 4 to 5) (A.R. 0mm: T.E.R 54mm)			4 <sup>th</sup> (from July 12 to 14) (A.R. 5mm: T.E.R 135mm)			5 <sup>th</sup> (from Aug. 16 to 19) (A.R. 3mm: T.E.R 198mm)		
		a	b	R <sup>2</sup>	a	b	R <sup>2</sup>	a	b	R <sup>2</sup>	a	b	R <sup>2</sup>	a	b	R <sup>2</sup>
Inbuk River	BOD	1E-04	1.1058	0.7206	3E-05	1.5338	0.5195	8E-05	0.8607	0.5417	3E-07	1.8041	0.8678	8E-04	0.9230	0.8282
	COD	2E-04	1.4223	0.7631	4E-04	1.3683	0.9254	1E-04	1.1672	0.9224	5E-05	1.4759	0.9001	4E-04	1.2961	0.9516
	SS	9E-09	2.8788	0.8680	9E-04	1.5407	0.6121	1E-04	1.7215	0.5945	6E-08	2.3573	0.5752	1E-05	1.2548	0.7777
	TN	7E-04	1.0710	0.9526	7E-04	1.0922	0.9744	8E-04	1.0565	0.9573	1E-04	1.2045	0.7208	2E-04	0.7433	0.9359
	TP	1E-06	2.3935	0.8961	1E-04	1.5578	0.5501	9E-05	1.7588	0.7863	8E-08	2.3556	0.6399	7E-04	1.3463	0.8551
Naelin River	BOD	1E-04	1.2740	0.9470	5E-04	0.9186	0.8395	3E-04	1.2045	0.6960	3E-08	2.1272	0.4901	2E-04	0.6113	0.7092
	COD	4E-04	0.8895	0.8787	4E-04	1.0270	0.9406	3E-05	1.5227	0.9770	8E-05	1.3967	0.5682	5E-04	0.5535	0.4076
	SS	7E-04	0.9440	0.4541	2E-04	1.3089	0.8562	6E-06	1.7901	0.9632	5E-07	2.0125	0.1926	3E-04	0.6555	0.1057
	TN	6E-04	1.1765	0.9458	8E-04	1.1276	0.9970	1E-04	1.0692	0.9894	9E-03	0.8631	0.7919	7E-04	0.7368	0.8797
	TP	6E-04	0.9834	0.8986	6E-04	1.0712	0.8159	5E-04	1.3300	0.9448	1E-04	1.5633	0.2166	8E+0	0.3838	0.0974

A. R.: Antecedent Rainfall, T. E. R.: Total Event Rainfall, Unit of indicators: kg km<sup>2</sup>·day<sup>-1</sup>