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Comment on “Hydrochemical studies of Cross River Basin (southeastern Nigeria) river systems using cross plots, statistics and water quality index” published in Environ. Earth Sci. (2013) 70:3043–3056

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Please allow me to humbly comment on an attention-grabbing paper published by Edet et al. (2013) based on major point below.

The original article has been published inadvertently with some errors in Table 2. The corrected Table 2 is given below and errors specified with red font. According this error, results of WQI calculation are wrong and require complete revision. Lastly, this is not my intention to offend the authors of the published paper but just my honest comments in a constructive way as an old saying goes ‘Nothing is perfect’.

References

- Turekian K (1977) Geochemical distribution of elements. Encyclopedia of science and technology 4:627–630
- World Health Organization (WHO) (1984) Guidelines for drinking water quality, 2nd edn. WHO, Geneva
- World Health Organization (WHO) (1993) Guidelines for drinking water quality: health criteria and other supporting information, 2nd edn. WHO, Geneva

Table 2 Standards and weights used in the study

Parameter	WHO (1984, 1993)	World average (Turekian 1977)	Assigned weight	Relative weight
TDS	1000	–	3	0.11
pH	7.5	–	4	0.14
Hardness	75		2	0.07
Na	200	5.20	1	0.04
K	12	1.30	1	0.04
Ca	100	13.40	2	0.07
Mg	30	3.40	1	0.04
Cl	250	5.80	5	0.18
NO ₃	50		4	0.14
SO ₄	250	8.30	3	0.11
HCO ₃	–	52.00	2	0.07
Total			28	1

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