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ERRATUM

Erratum to: Hydrochemistry and evaluation of groundwater suitability for irrigation and drinking purposes in the Markandeya River basin, Belgaum District, Karnataka State, India

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The original version of this article unfortunately contained a mistake in Table 1 and Eqs. 1 and 5.

The corrected Table 1 and equations are given below:

$$E = \frac{\sum \text{cations} - \sum \text{anions}}{\sum \text{cations} + \sum \text{anions}} \times 100 \quad (1)$$

$$\text{SSP} = \frac{\text{Na}^+}{\left(\text{Na}^+ + \text{Ca}^{2+} + \text{Mg}^{2+}\right)} \times 100 \quad (5)$$

The online version of the original article can be found at http://dx.doi.org/10.1007/s10661-010-1399-2.

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Table 1 Physico-chemical and irrigation quality parameters with BIS standards

Sl. no	Category of parameters	Characteristics	Analytical method	Unit	BIS Max. permissible limit (1998)
1	General	pH	Electrode	–	6.5–8.5
2		Redox potential (Eh)	Electrode	mV	NA
3		EC	Conductivity-TDS meter	μS/cm	3,000
4		TDS	Conductivity-TDS meter	mg/L	2,000
5		Total alkalinity (as $CaCO_3$)	Titrimetric	mg/L	600
6		Temperature	Electrode	°C	NA
7		Total hardness (as $CaCO_3$)	EDTA titrimetric	mg/L	600
8		Calcium hardness (as $CaCO_3$)	EDTA titrimetric	mg/L	200
9		Color	Colorimetric	Hazens	25
10		Turbidity	Colorimetric	NTU	10
11	Major cations	Calcium (as Ca^{2+})	EDTA titrimetric	mg/L	200
12		Magnesium (as Mg^{2+})	EDTA titrimetric	mg/L	100
13		Sodium (as Na^{+})	Flame photometric	mg/L	200
14		Potassium (as K^{2+})		mg/L	10
15	Major anions	Bicarbonates (as HCO_3^-)	Titrimetric	mg/L	NA
16		Carbonates (as CO_3^{2-})	Titrimetric	mg/L	NA
17		Chlorides	Argentometric	mg/L	1,000
18		Nitrates (as NO_3^-)	ISE (ion selective electrode)	mg/L	45
19		Fluoride (as F^-)		mg/L	1.5
20		Phosphates (as PO_4^{3-})	Stannous chloride	mg/L	0.3
21		Sulfates (as SO_4^{2-})	Barium chloride	mg/L	400
23	Irrigation water quality	Boron (B)	Curcumin method	mg/L or μg/L	–
24		Hardness (as $CaCO_3$)	By calculation using equations	mg/L	<75
25		Salinity		‰	NA
26		SAR		–	<10 or 10–18
27		RSC		meq/L	<1.25
28		RSBC		meq/L	<5 mg/L
29		% Na		%	<20 or 20–40
30		PI		%	Class I or II
31		KI		–	<1.0
32		PS		meg/L	NA
33		MH		%	below 50 %
34		MR (Mg/Ca)		–	<1.5
35		CAI-1 and CAI-2		–	+ve or −ve values
36		SSP		%	NA
37		ESR		–	NA

NA not available