

Figure. S1 Stiff diagrams of water samples in dry season

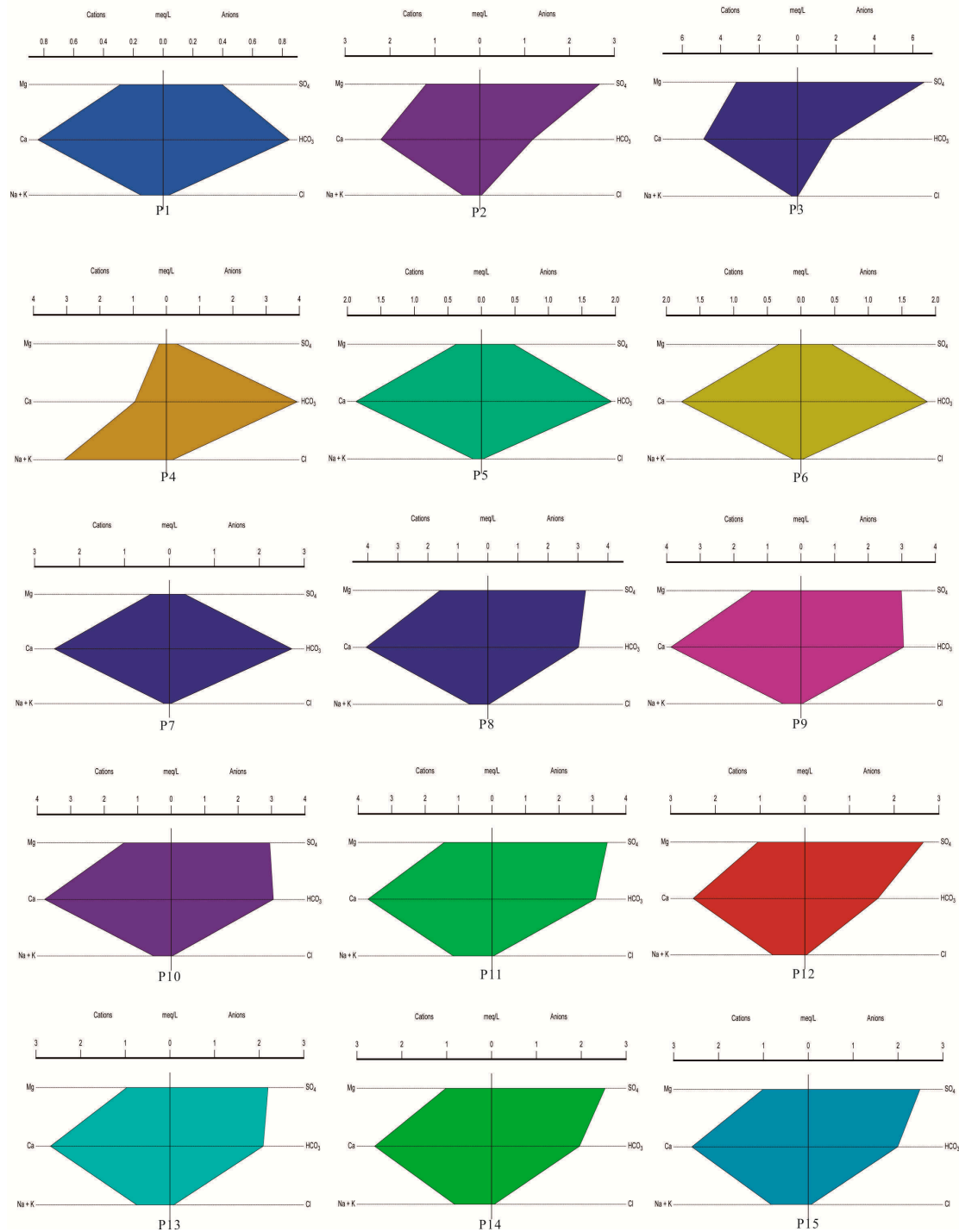


Figure. S2 Stiff diagrams of water samples in wet season

Table S1

The concentration of heavy metals in water samples

Element ($\mu\text{g/L}$)	Cr	Cu	Zn	As	Cd	Hg	Pb
P1	0.15	0.43	2.65	0.15	0.02	0.03	0.10
P2	0.08	/	6.65	0.84	0.01	0.01	0.16
P3	0.16	0.10	10.13	0.26	0.11	0.03	0.30

P4	0.23	0.16	0.63	0.50	0.02	0.03	0.22
P5	0.28	/	0.32	0.15	0.01	0.03	/
P6	0.19	0.34	1.30	0.26	0.00	0.03	0.08
P7	0.30	6.73	39.49	0.21	0.01	0.02	0.46
P8	0.31	0.21	1.97	0.44	0.05	0.02	0.21
P9	0.31	0.10	1.67	0.47	0.03	0.01	0.14
P10	0.50	0.51	1.79	0.45	0.02	0.03	0.53
P11	0.34	0.70	21.02	0.75	0.05	0.03	0.96
P12	0.19	0.36	10.53	0.19	0.06	0.03	0.01
P13	0.24	0.40	6.78	0.31	0.04	0.02	0.12
P14	0.22	0.43	6.45	0.34	0.03	0.06	0.11
P15	0.31	0.23	4.89	0.30	0.05	0.05	0.08
CNS	50.00	1000.00	1000.00	10.00	5.00	1.00	10.00
WHO	50.00	2000.00		10.00	3.00	6.00	10.00

/: lower than the detectable level

CNS: China Standard (GB 5749-2006); WHO: World Health Organization [12].