

# Supplementary material

## *for*

### **Spatiotemporal Variations of Water Eutrophication and Non-Point Source Pollution Prevention and Control in the Main Stream of the Yellow River in Henan Province from 2012 to 2021**

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The following are included as supporting information for this paper:

No. of tables: 1

Table S1. The calculation process of water eutrophication.

	C <sub>DO</sub>	C <sub>CODMn</sub>	C <sub>BOD5</sub>	C <sub>NH3-N</sub>	C <sub>TP</sub>	C <sub>NO3-N</sub>	X <sub>DO</sub>	X <sub>CODMn</sub>	X <sub>BOD5</sub>	X <sub>NH3-N</sub>	X <sub>TP</sub>	X <sub>NO3-N</sub>	EI <sub>DO</sub>	EI <sub>CODMn</sub>	EI <sub>BOD5</sub>	EI <sub>NH3-N</sub>	EI <sub>TP</sub>	EI <sub>NO3-N</sub>	EI
S1	8.67	3.06	1.47	0.51	109.56	4.10	21.30	25.49	14.73	50.64	109.56	41.03	40.40	43.22	34.71	54.26	67.09	50.84	50.23
S2	8.28	2.52	1.50	0.25	66.05	3.51	23.35	20.98	14.97	25.19	66.05	35.09	41.85	40.17	34.96	43.04	58.63	48.31	45.93
S3	7.72	2.17	1.61	0.18	54.58	4.78	26.82	18.10	16.06	17.52	54.58	47.78	44.03	37.87	36.03	37.37	55.48	53.31	45.26
S4	8.44	2.77	2.25	0.26	133.72	4.02	22.48	23.12	22.49	26.18	133.72	40.22	41.25	41.69	41.25	43.64	70.47	50.51	49.59
S5	8.03	2.51	2.26	0.26	96.39	3.92	24.82	20.90	22.65	26.36	96.39	39.19	42.80	40.11	41.36	43.75	64.93	50.09	48.63
S6	9.58	2.55	1.49	0.35	169.42	3.84	17.44	21.25	14.93	34.90	169.42	38.39	37.30	40.37	34.91	48.22	74.51	49.76	49.12