

Colloidal Filterable Bacteria Enhance Ammonia Nitrogen Enrichment in River Colloids under Different Turbidity Conditions: Bacterial Diversity, Assembly Mechanism, and Nitrogen Transformation

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Supporting information

Table S1. Physical and chemical indices of overlying water in situ.

Site	Turbidity (NTU)	SD (cm)	pH	T (°C)	ORP (mV)	Cond. (μS/cm)	DO	Velocity (m/s)	Group
1	6.00	50	7.000	23.0	69.4	252	6.95	4.83	LT
2	7.43	50	7.400	23.2	50.1	259	7.10	5.09	LT
3	9.15	50	7.845	23.0	38.2	360	7.50	4.96	LT
4	15.33	50	7.652	21.8	54.6	478	7.79	5.46	MT
5	17.27	50	9.122	21.1	27.0	546	4.50	4.87	MT
6	18.27	50	8.108	23.3	89.3	451	4.55	5.00	MT
7	18.87	50	7.078	23.1	13.1	1136	3.56	5.46	MT
8	20.67	50	8.712	20.6	133.6	453	5.01	5.90	MT
9	28.00	50	8.478	25.0	5.9	407	4.92	6.24	MT
10	28.95	50	7.545	23.7	10.9	910	5.21	5.13	MT
11	30.75	50	7.505	23.1	8.1	421	5.16	6.00	HT
12	38.77	50	7.642	19.2	18.3	456	3.06	6.31	HT
13	43.01	50	7.544	25.0	10.7	419	4.72	7.00	HT
14	46.18	50	6.404	21.4	111.1	421	4.80	6.54	HT
15	50.74	50	8.530	22.5	165.8	420	4.27	7.9	HT
16	56.66	50	6.890	19.9	35.9	428	5.47	7.13	HT
17	89.72	50	6.549	25.0	12.0	419	4.23	6.79	HT

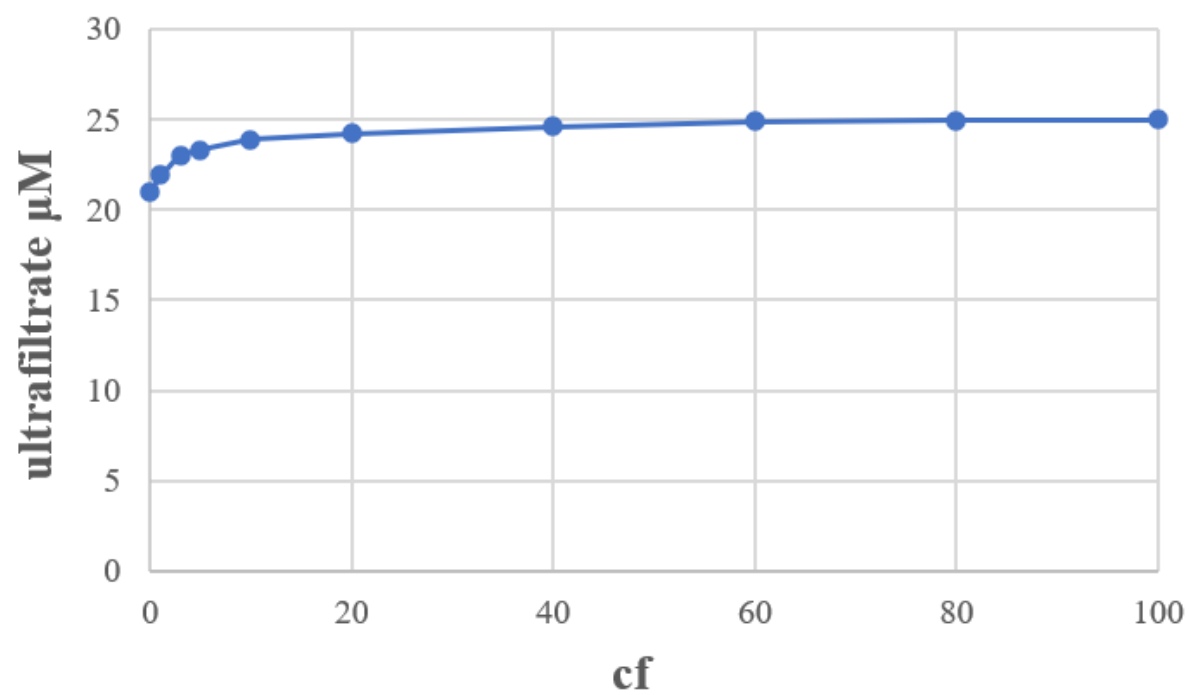


Figure S1. Fitting curve between different cfs and concentrations of organic carbon in ultrafiltrate.

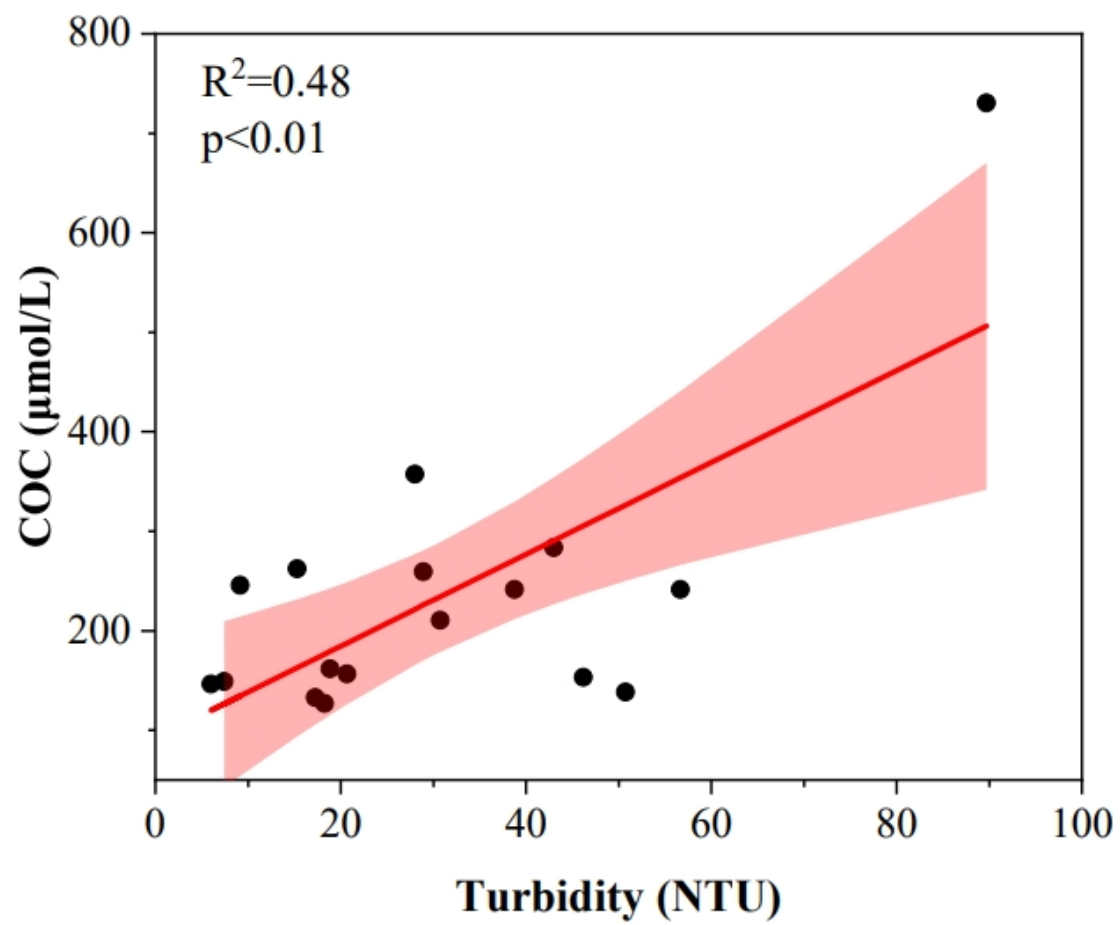


Figure S2. Fitting curve between concentrations of colloidal organic carbon and turbidity of river.

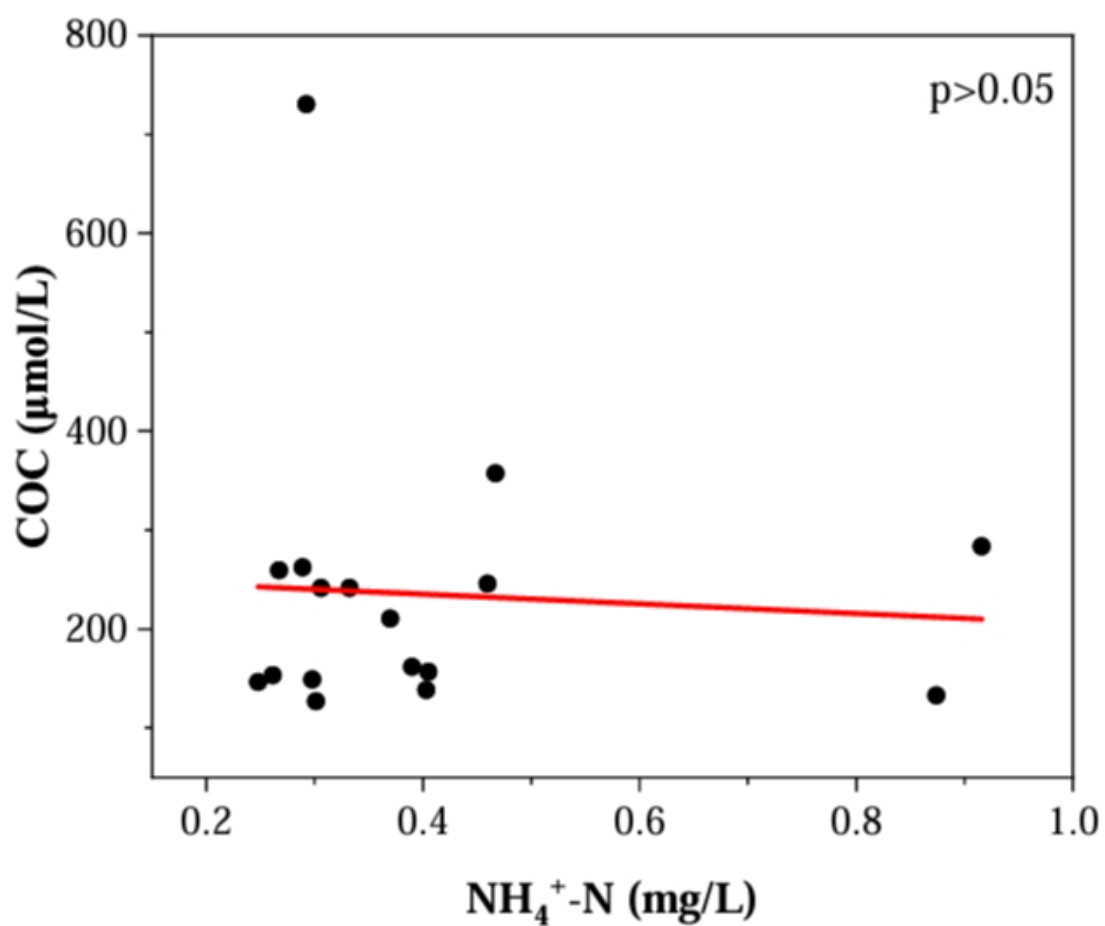


Figure S3. Fitting curve between concentrations of colloidal organic carbon and colloidal ammonia nitrogen.

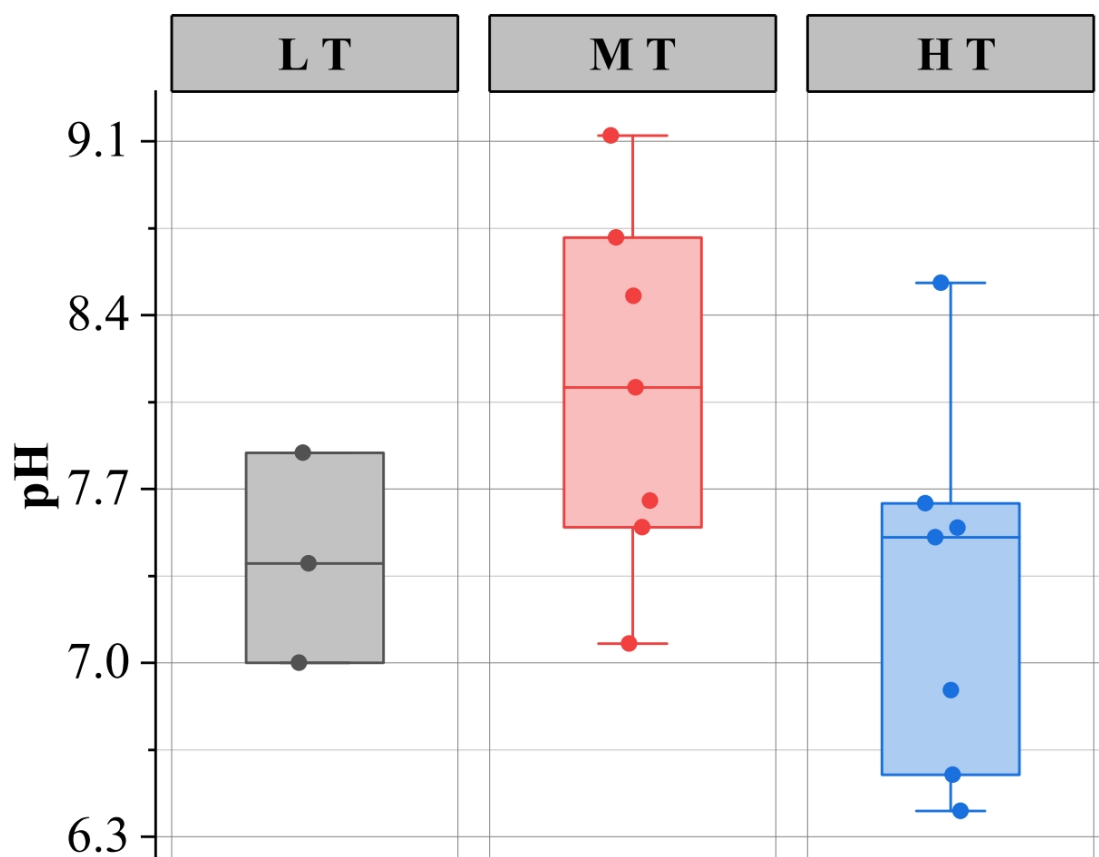


Figure S4. pH of three turbidity conditions.