

Supplementary Table S2. Results of the sediment organic matter content analysis across sampling stations over the study period.

Date	Station	Organic matter content (%)
2022/12/2	St. Far	7.08
	St. Mid	7.19
	St. Close	3.02
2023/1/13	St. Far	9.39
	St. Mid	6.38
	St. Close	3.32
2023/2/6	St. Far	10.37
	St. Mid	6.85
	St. Close	4.03
2023/3/1	St. Far	10.44
	St. Mid	7.29
	St. Close	4.60
2023/4/20	St. Far	9.52
	St. Mid	5.81
	St. Close	4.87
2023/5/18	St. Far	11.70
	St. Mid	9.20
	St. Close	4.85