

**Supplementary Table S3.** Results of the particle size composition analysis across sampling stations over the study period.

<b>Date</b>	<b>Station</b>	<b>Size class</b>	<b>Fraction (%)</b>
2022/12/2	St. Far	Clay	19.715
		Silt	69.190
		Very fine sand	10.050
		Fine sand	1.045
		Medium sand	0.000
		Coarse sand	0.000
	St. Mid	Clay	19.037
		Silt	67.294
		Very fine sand	11.903
		Fine sand	1.766
		Medium sand	0.000
		Coarse sand	0.000
	St. Close	Clay	12.007
		Silt	41.932
		Very fine sand	23.868
		Fine sand	18.181
		Medium sand	3.952
		Coarse sand	0.060
2023/1/13	St. Far	Clay	24.137
		Silt	71.828
		Very fine sand	3.908
		Fine sand	0.127
		Medium sand	0.000
		Coarse sand	0.000
	St. Mid	Clay	16.380
		Silt	67.155
		Very fine sand	12.120
		Fine sand	4.311
		Medium sand	0.034
		Coarse sand	0.000
	St. Close	Clay	17.404

		Silt	53.192
		Very fine sand	13.363
		Fine sand	12.668
		Medium sand	3.367
		Coarse sand	0.006
2023/2/6	St. Far	Clay	23.366
		Silt	73.544
		Very fine sand	3.076
		Fine sand	0.014
		Medium sand	0.000
		Coarse sand	0.000
	St. Mid	Clay	16.976
		Silt	66.846
		Very fine sand	11.854
		Fine sand	4.257
		Medium sand	0.067
		Coarse sand	0.000
	St. Close	Clay	11.701
		Silt	43.616
		Very fine sand	18.780
		Fine sand	19.328
		Medium sand	6.513
		Coarse sand	0.062
2023/3/1	St. Far	Clay	22.621
		Silt	73.846
		Very fine sand	3.513
		Fine sand	0.020
		Medium sand	0.000
		Coarse sand	0.000
	St. Mid	Clay	15.820
		Silt	62.574
		Very fine sand	15.168
		Fine sand	6.386
		Medium sand	0.052
		Coarse sand	0.000
	St. Close	Clay	14.708

		Silt	49.122
		Very fine sand	13.833
		Fine sand	16.530
		Medium sand	5.796
		Coarse sand	0.011
2023/4/20	St. Far	Clay	22.539
		Silt	74.183
		Very fine sand	3.265
		Fine sand	0.013
		Medium sand	0.000
		Coarse sand	0.000
	St. Mid	Clay	19.835
		Silt	70.350
		Very fine sand	8.946
		Fine sand	0.869
		Medium sand	0.000
		Coarse sand	0.000
	St. Close	Clay	17.132
		Silt	58.903
		Very fine sand	13.135
		Fine sand	9.610
		Medium sand	1.220
		Coarse sand	0.000
2023/5/18	St. Far	Clay	26.836
		Silt	71.492
		Very fine sand	1.672
		Fine sand	0.000
		Medium sand	0.000
		Coarse sand	0.000
	St. Mid	Clay	16.588
		Silt	63.533
		Very fine sand	14.610
		Fine sand	5.233
		Medium sand	0.036
		Coarse sand	0.000
	St. Close	Clay	14.394

Silt	55.276
Very fine sand	13.240
Fine sand	12.811
Medium sand	4.271
Coarse sand	0.008

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