

Figure S1: Spearman's correlation coefficient for water quality variables by monitoring station.

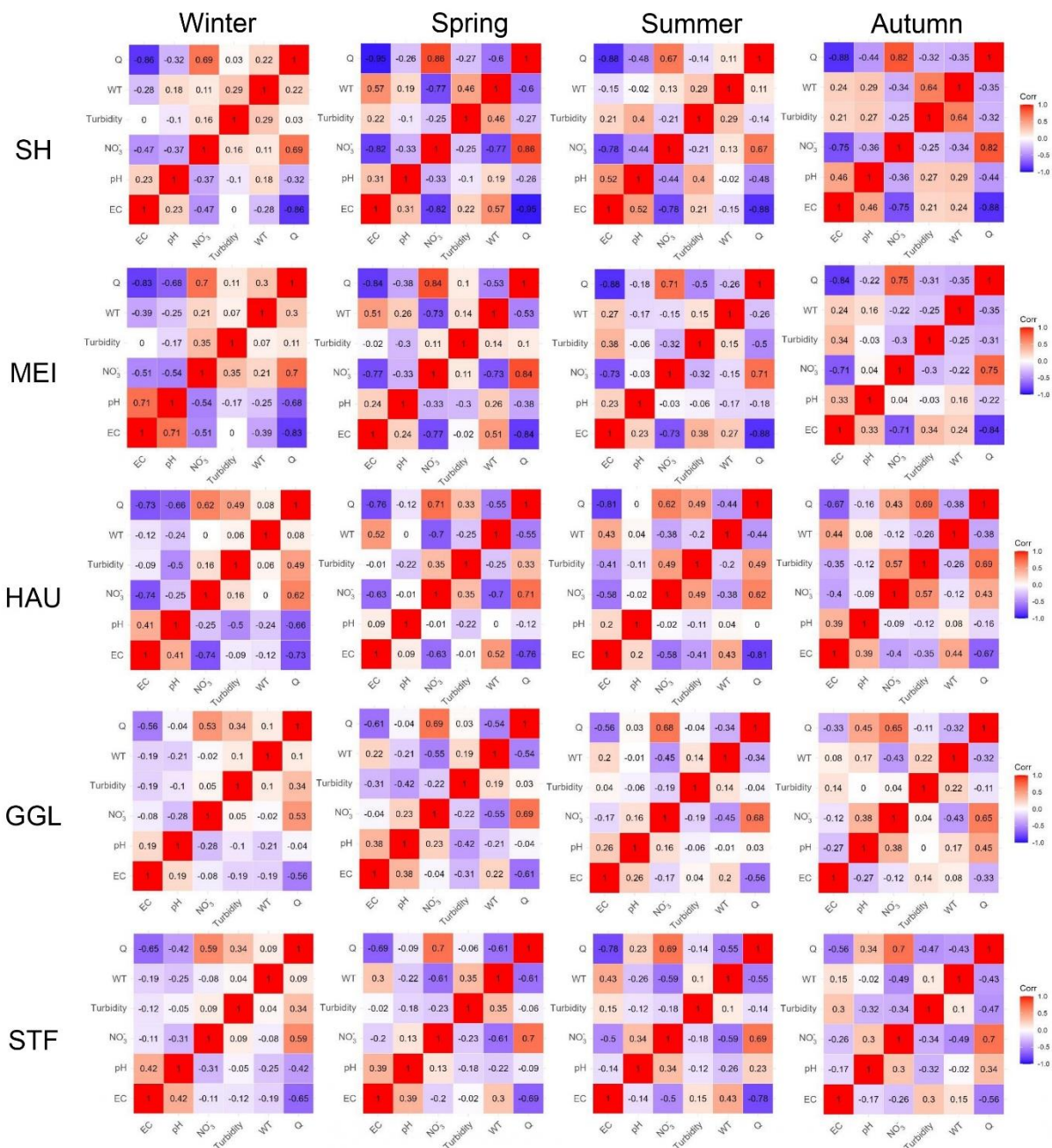


Figure S2: Spearman's correlation coefficient for water quality variables by season and time of year.

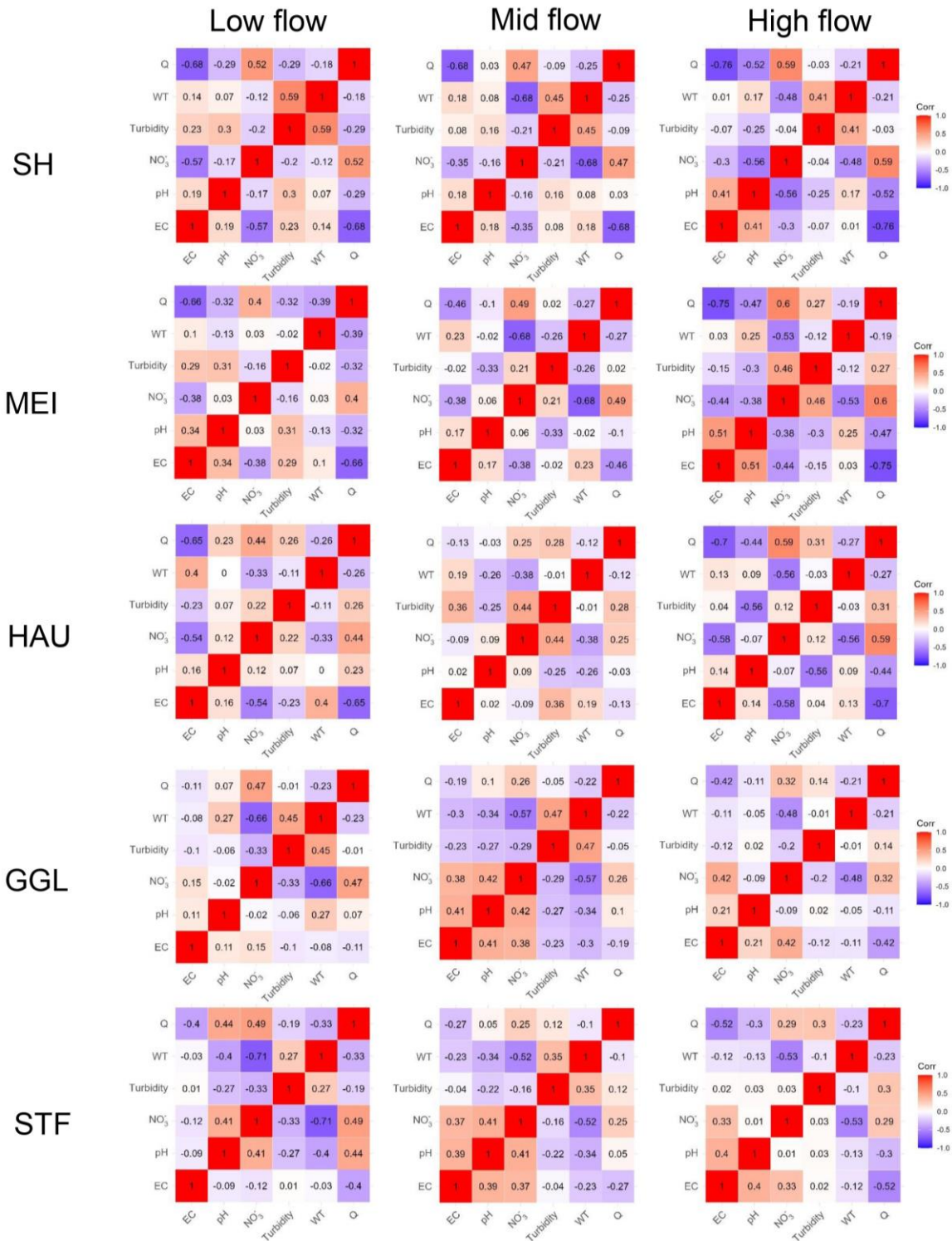


Figure S3: Spearman's correlation coefficient for water quality variables by season and flow regime.

Table S1. Summary statistics of water quality parameters for the five monitoring sites from November 2013 to December 2019.

Site	Variable	Mean	Minimum	Maximum
SH	Discharge (Q. m ³ /s)	0.67	0.05	13.7
	Water Temp. (°C)	8.54	-0.06	18.7
	Turbidity (FNU)	4.47	0.105	153
	Nitrate (NO ₃ ⁻ . mg/L)	1.56	0.0000376	6.4
	pH	7.98	7.02	9.7
	EC (µS/cm)	342	190	522
MEI	Discharge (Q. m ³ /s)	0.997	0.0836	15.3
	Water Temp. (°C)	8.79	-0.18	21.2
	Turbidity (FNU)	13.6	0.13	230
	Nitrate (NO ₃ ⁻ . mg/L)	1.57	0.00138	7
	pH	7.88	7.22	9.09
	EC (µS/cm)	399	220	589
HAU	Discharge (Q. m ³ /s)	1.33	0.012	15.1
	Water Temp. (°C)	10.5	-0.0967	26.1
	Turbidity (FNU)	4.54	0.0312	179
	Nitrate (NO ₃ ⁻ . mg/L)	2.27	0.303	6.27
	pH	8.06	7.1	9.14
	EC (µS/cm)	1164	268	3075
GGL	Discharge (Q. m ³ /s)	8.95	1.55	52.3
	Water Temp. (°C)	10.8	-0.485	24.8
	Turbidity (FNU)	16	0.0905	195
	Nitrate (NO ₃ ⁻ . mg/L)	2.42	0.569	4.79
	pH	7.99	7.26	8.7
	EC (µS/cm)	1079	401	1527
STF	Discharge (Q. m ³ /s)	9.17	1.65	49.5
	Water Temp. (°C)	11.8	-0.0362	30.1
	Turbidity (FNU)	11.9	0.0781	206
	Nitrate (NO ₃ ⁻ . mg/L)	2.46	0.57	5.16
	pH	8.09	7.21	8.74
	EC (µS/cm)	1504	314	3571