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**Using integrated multivariate statistics to assess the hydrochemistry of surface
water quality, Lake Taihu basin, China**

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Supplementary Tab. 1. Sampling site identification, locations, and land use types.

Site ID	Longitude	Latitude	Water source and land use types
A1	119.95	31.41	Agriculture & Aquaculture & Minor factories
A10	120.02	31.69	Agriculture & Aquaculture & Minor factories
A11	120.49	31.59	Agriculture & Aquaculture & Minor factories
A12	119.88	31.30	Agriculture & Aquaculture & Minor factories
A13	119.81	31.49	Agriculture & Aquaculture & Minor factories
A14	120.43	31.60	Agriculture & Aquaculture & Minor factories
A15	120.33	31.79	Agriculture & Aquaculture & Minor factories
A16	120.29	31.65	Agriculture & Aquaculture & Minor factories
A17	119.89	31.44	Agriculture & Aquaculture & Minor factories
A18	119.97	31.56	Agriculture & Aquaculture & Minor factories
A19	120.11	31.46	Agriculture & Aquaculture & Minor factories
A2	120.11	31.49	Agriculture & Aquaculture & Minor factories
A20	119.96	31.53	Agriculture & Aquaculture & Minor factories
A21	119.89	31.97	Agriculture & Aquaculture & Minor factories
A22	120.08	31.88	Agriculture & Aquaculture & Minor factories
A23	120.56	31.72	Agriculture & Aquaculture & Minor factories
A24	119.72	31.56	Agriculture & Aquaculture & Minor factories
A25	120.12	31.60	Agriculture & Aquaculture & Minor factories
A26	119.80	31.37	Agriculture & Aquaculture & Minor factories
A27	120.06	31.61	Agriculture & Aquaculture & Minor factories
A28	120.02	31.50	Agriculture & Aquaculture & Minor factories
A29	120.06	31.56	Agriculture & Aquaculture & Minor factories
A3	119.89	31.40	Agriculture & Aquaculture & Minor factories
A30	120.11	31.51	Agriculture & Aquaculture & Minor factories
A31	119.86	31.24	Agriculture & Aquaculture & Minor factories
A32	119.87	31.25	Agriculture & Aquaculture & Minor factories
A33	119.88	31.25	Agriculture & Aquaculture & Minor factories
A34	120.19	31.73	Agriculture & Aquaculture & Minor factories

A35	120.32	31.74	Agriculture & Aquaculture & Minor factories
A36	120.41	31.84	Agriculture & Aquaculture & Minor factories
A37	120.36	31.69	Agriculture & Aquaculture & Minor factories
A38	119.87	31.24	Agriculture & Aquaculture & Minor factories
A39	119.80	31.55	Agriculture & Aquaculture & Minor factories
A4	120.07	31.59	Agriculture & Aquaculture & Minor factories
A40	119.80	31.55	Agriculture & Aquaculture & Minor factories
A41	120.10	31.92	Agriculture & Aquaculture & Minor factories
A5	120.21	31.61	Agriculture & Aquaculture & Minor factories
A6	120.17	31.73	Agriculture & Aquaculture & Minor factories
A7	119.56	31.36	Agriculture & Aquaculture & Minor factories
A8	119.63	31.48	Agriculture & Aquaculture & Minor factories
A9	120.32	31.91	Agriculture & Aquaculture & Minor factories
E1	119.90	31.23	Mouths of tributaries into Lake Taihu
E2	120.13	31.50	Mouths of tributaries into Lake Taihu
E3	120.21	31.46	Mouths of tributaries into Lake Taihu
E4	119.97	31.35	Mouths of tributaries into Lake Taihu
E5	120.04	31.43	Mouths of tributaries into Lake Taihu
E6	120.04	31.47	Mouths of tributaries into Lake Taihu
E7	120.07	31.44	Mouths of tributaries into Lake Taihu
E8	120.14	31.45	Mouths of tributaries into Lake Taihu
F1	119.70	31.17	Water conservation and forestry areas
F2	119.75	31.22	Water conservation and forestry areas
F3	119.77	31.21	Water conservation and forestry areas
F4	119.79	31.24	Water conservation and forestry areas
F5	119.80	31.24	Water conservation and forestry areas
F6	119.68	31.23	Water conservation and forestry areas
F7	119.79	31.23	Water conservation and forestry areas
F8	119.83	31.24	Water conservation and forestry areas
L1	120.03	31.29	Lake Taihu basin
L10	120.38	30.98	Lake Taihu basin

L11	120.20	31.51	Lake Taihu basin
L12	120.09	31.26	Lake Taihu basin
L13	119.91	31.22	Lake Taihu basin
L14	120.37	31.43	Lake Taihu basin
L15	120.29	31.39	Lake Taihu basin
L16	119.99	31.36	Lake Taihu basin
L17	120.04	31.21	Lake Taihu basin
L18	120.26	31.21	Lake Taihu basin
L19	119.64	31.12	Lake Taihu basin
L2	120.28	31.21	Lake Taihu basin
L20	120.04	31.06	Lake Taihu basin
L21	120.09	31.15	Lake Taihu basin
L22	120.18	31.19	Lake Taihu basin
L23	120.05	31.44	Lake Taihu basin
L3	120.38	31.16	Lake Taihu basin
L4	120.20	31.05	Lake Taihu basin
L5	120.17	30.99	Lake Taihu basin
L6	120.26	30.97	Lake Taihu basin
L7	120.44	31.03	Lake Taihu basin
L8	120.13	30.96	Lake Taihu basin
L9	120.15	31.12	Lake Taihu basin
R1	120.31	31.81	Rural residential and village areas
R2	120.15	31.75	Rural residential and village areas
R3	120.46	31.72	Rural residential and village areas
R4	120.28	31.59	Rural residential and village areas
R5	119.87	31.74	Rural residential and village areas
R6	119.88	31.68	Rural residential and village areas
R7	119.92	31.59	Rural residential and village areas
R8	119.85	31.73	Rural residential and village areas
R9	119.54	31.27	Rural residential and village areas
R10	119.57	31.17	Rural residential and village areas

R11	120.26	31.89	Rural residential and village areas
R12	119.80	32.00	Rural residential and village areas
R13	119.56	31.23	Rural residential and village areas
R14	119.90	31.67	Rural residential and village areas
R15	119.57	31.42	Rural residential and village areas
R16	119.83	32.02	Rural residential and village areas
R17	119.85	32.01	Rural residential and village areas
R18	119.64	31.33	Rural residential and village areas
R19	119.80	31.69	Rural residential and village areas
U1	120.53	31.78	Urban area & Industry
U2	119.64	31.56	Urban area & Industry
U3	119.95	31.74	Urban area & Industry
U4	120.48	31.71	Urban area & Industry
U5	120.46	31.67	Urban area & Industry
U6	120.42	31.64	Urban area & Industry
U7	120.35	31.61	Urban area & Industry
U8	120.28	31.55	Urban area & Industry
U9	120.24	31.67	Urban area & Industry
U10	120.52	31.79	Urban area & Industry
U11	119.72	31.68	Urban area & Industry

Supplementary Tab. 2. List of original data with sample identifications.

Sample Site ID	Ca (mg/L)	Cr (µg/L)	Fe (mg/L)	K (mg/L)	Mg (mg/L)	Mn (mg/L)	Na (mg/L)	Si (mg/L)	Sr (mg/L)	F (ppm)	Cl (ppm)	Br (ppm)	NO3 (ppm)	SO4 (ppm)	HCO3 (ppm)	TN (ppm)	TP (ppm)	DO (ppm)	TDS (ppm)	pH
A1	48.16	10.28	0.07	5.96	9.90	0.02	52.08	2.72	0.25	0.62	65.25	0.61	7.69	74.10	174.40	2.34	0.19	7.19	386.33	7.92
A10	41.07	4.24	0.06	4.09	8.37	0.08	63.32	3.50	0.21	0.30	43.22	0.12	0.84	97.85	203.36	2.14	0.08	2.68	401.67	7.40
A11	47.84	0.85	0.05	6.39	11.34	0.01	97.69	1.86	0.23	0.68	66.71	0.13	6.54	160.57	246.06	1.85	0.70	11.51	541.00	8.72
A12	49.91	0.25	0.02	6.03	10.21	0.10	59.79	2.03	0.27	0.72	88.22	0.24	11.36	67.50	162.47	3.08	0.23	4.35	429.00	7.65
A13	42.59	6.75	0.07	5.87	11.09	0.01	37.59	2.07	0.20	0.62	53.91	0.32	1.09	50.44	166.28	0.85	0.24	9.76	316.50	9.02
A14	61.41	1.31	0.07	9.34	13.23	0.01	101.01	2.26	0.30	0.96	101.96	0.30	20.86	127.32	255.17	5.92	0.62	4.57	625.00	7.70
A15	45.87	1.33	0.04	4.22	8.90	0.10	55.19	3.43	0.23	0.43	43.32	0.07	12.53	94.53	189.43	3.37	0.51	4.70	353.00	7.39
A16	54.58	0.35	0.06	7.76	14.77	0.01	45.77	2.39	0.31	0.49	49.57	0.08	29.49	52.83	225.06	7.12	0.18	n.a.	483.33	n.a.
A17	54.93	0.70	0.06	6.23	11.85	0.48	50.68	3.03	0.32	0.80	73.96	0.38	0.65	77.72	191.79	1.73	0.21	3.87	412.00	7.19
A18	48.67	0.91	0.10	4.79	9.12	0.13	57.20	3.58	0.24	0.39	51.82	0.10	9.09	92.99	195.16	2.30	0.15	4.44	382.00	7.72
A19	45.94	2.93	0.05	6.90	11.06	0.41	59.19	4.53	0.23	0.51	65.58	0.32	13.09	83.50	183.32	3.54	0.09	4.22	410.33	7.40
A2	44.48	0.74	0.04	6.13	11.37	0.16	53.20	3.56	0.22	0.54	64.18	0.27	9.12	82.27	169.80	2.18	0.14	2.55	409.00	7.33
A20	53.96	0.93	0.04	7.15	10.86	0.40	54.91	4.72	0.27	0.53	61.63	0.21	8.75	85.95	205.48	2.40	0.60	2.34	419.00	6.96
A21	36.41	4.51	0.06	2.43	7.06	0.01	10.27	3.42	0.20	0.23	15.81	n.a.	12.34	34.53	116.07	1.79	0.16	11.43	178.00	4.73
A22	70.15	9.38	0.05	5.61	10.84	0.13	26.41	3.80	0.28	0.45	83.37	0.13	2.88	47.03	169.11	1.26	0.30	11.88	368.00	8.71
A23	46.00	1.25	0.06	6.59	10.00	0.02	101.57	1.24	0.23	0.75	72.23	0.12	3.85	139.68	250.37	1.93	0.15	7.59	531.00	8.38
A24	39.55	6.15	0.04	5.08	9.28	0.02	37.94	2.35	0.22	0.59	57.75	0.25	7.80	54.50	131.78	2.15	0.17	n.a.	347.15	n.a.
A25	52.38	0.80	0.08	5.11	11.76	0.19	61.65	3.21	0.24	0.54	61.25	0.20	1.29	109.25	212.62	3.58	0.09	2.78	432.33	7.15
A26	48.52	0.39	0.02	5.45	10.47	0.00	59.87	2.28	0.26	0.64	93.92	0.20	4.17	64.24	158.14	1.51	0.14	4.82	431.33	7.62
A27	46.23	0.77	0.03	4.46	9.00	0.13	51.59	3.42	0.23	0.38	49.26	0.13	7.54	86.02	181.98	2.22	0.09	5.12	365.00	7.52
A28	50.64	2.83	0.11	5.01	9.98	0.17	59.49	3.53	0.24	0.53	60.59	0.17	15.87	97.37	186.88	3.66	0.11	3.85	407.50	7.71
A29	50.90	3.83	0.25	5.09	9.23	0.15	63.42	3.37	0.24	0.52	61.13	0.16	10.92	90.77	202.79	3.45	0.20	3.69	410.00	7.66
A3	41.47	1.66	0.20	5.07	9.24	0.08	54.74	3.35	0.21	0.47	56.85	0.22	8.92	81.25	166.33	2.26	0.15	4.25	371.00	7.32
A30	50.01	1.20	0.10	5.07	9.35	0.15	61.12	3.16	0.23	0.51	62.88	0.16	13.23	92.35	187.93	3.50	0.21	2.50	423.33	7.18
A31	50.69	1.17	0.07	5.62	6.49	0.01	25.82	3.35	0.27	0.65	37.11	0.07	19.41	61.09	140.68	6.46	0.30	5.03	321.33	7.59
A32	50.83	0.66	0.03	6.68	8.59	0.02	38.17	2.48	0.30	0.59	51.87	0.13	11.70	63.00	166.98	3.46	0.21	3.22	386.33	7.86
A33	51.53	0.56	0.12	6.61	9.11	0.03	45.51	1.18	0.31	0.86	63.21	0.13	0.23	57.88	185.23	0.65	0.15	6.49	353.33	8.02
A34	51.56	10.99	0.04	5.31	9.76	0.08	61.58	3.16	0.23	0.45	75.93	0.14	15.06	86.11	175.66	3.49	0.38	3.11	414.00	7.32

A35	47.20	0.60	0.04	4.49	9.28	0.13	58.94	3.60	0.21	0.64	45.15	0.05	14.90	104.31	193.41	3.76	1.26	2.33	388.00	7.22
A36	43.64	0.75	0.04	4.93	9.15	0.08	76.74	3.49	0.21	0.47	66.09	0.09	9.64	124.57	186.00	2.47	0.42	3.09	457.00	7.28
A37	51.85	0.53	0.06	5.87	10.69	0.01	63.65	1.49	0.23	0.79	59.48	0.10	4.27	100.28	216.75	1.70	0.26	3.23	407.00	7.62
A38	52.74	0.43	0.03	5.91	8.29	0.02	41.41	2.75	0.30	0.72	95.30	0.17	1.61	69.00	108.64	3.35	0.22	4.20	407.33	7.65
A39	34.80	2.89	0.06	4.60	9.26	0.01	31.83	2.38	0.19	0.51	38.35	0.19	0.22	56.29	140.64	0.67	0.38	6.05	251.50	8.42
A4	45.81	1.78	0.09	4.28	8.63	0.16	50.71	3.67	0.24	0.57	61.49	0.16	8.75	92.67	148.99	1.40	0.08	3.49	408.00	7.42
A40	31.92	1.33	0.04	4.27	8.31	0.00	30.00	2.61	0.18	0.63	71.55	0.31	11.87	95.17	27.06	0.57	0.38	6.92	242.33	8.49
A41	46.10	0.64	0.02	3.55	8.11	0.02	23.83	3.42	0.22	0.25	32.69	0.07	9.85	48.81	152.43	2.64	0.28	8.69	265.00	8.28
A5	47.49	1.67	0.05	5.58	8.63	0.14	60.10	3.33	0.23	0.54	64.15	0.11	14.75	89.53	172.54	3.78	0.48	1.95	415.00	7.35
A6	67.16	8.18	0.05	10.18	16.28	0.03	77.43	2.62	0.31	0.72	108.52	0.29	15.65	75.23	254.64	4.08	1.29	6.43	543.00	7.54
A7	55.10	0.58	0.09	5.30	9.95	0.09	63.81	3.59	0.26	0.49	92.56	0.09	2.20	67.91	188.60	1.37	0.19	8.19	440.33	8.11
A8	49.21	1.63	0.04	5.56	10.05	0.05	57.97	5.00	0.24	0.62	95.52	0.23	5.52	58.15	153.12	1.73	0.22	3.69	419.50	7.66
A9	54.87	3.88	0.10	3.43	10.72	0.05	34.37	3.58	0.19	0.44	26.64	0.04	15.35	78.06	206.38	3.66	0.55	4.70	293.00	7.56
E1	46.40	1.09	0.20	5.82	9.18	0.04	49.50	2.35	0.25	0.63	71.55	0.17	12.84	70.61	145.08	3.05	0.29	4.48	374.00	8.00
E2	40.44	0.64	0.10	5.67	10.12	0.01	62.06	1.82	0.22	0.60	66.29	0.29	5.45	90.73	168.10	1.92	0.15	6.10	382.33	8.36
E3	41.19	0.39	0.06	5.97	10.81	0.00	58.69	1.78	0.23	0.59	67.11	0.32	8.41	93.45	159.29	2.05	0.09	5.70	382.67	8.21
E4	42.10	1.41	0.16	5.33	9.40	0.07	59.53	2.30	0.21	0.63	78.39	0.25	8.14	79.30	145.98	3.12	0.65	2.61	408.00	7.55
E5	41.60	0.59	0.14	5.06	9.73	0.01	47.26	2.69	0.21	0.73	60.35	0.28	10.78	83.67	138.71	3.16	0.31	3.95	376.33	7.45
E6	45.26	3.54	0.34	4.85	10.07	0.08	53.24	3.96	0.23	0.44	48.97	0.18	5.61	86.42	191.99	2.23	0.63	5.65	360.33	7.81
E7	45.70	5.73	0.49	5.14	10.14	0.06	54.19	3.80	0.23	0.47	50.77	0.14	4.26	86.55	194.91	1.52	0.42	6.82	364.33	8.42
E8	36.98	0.40	0.04	5.38	9.45	0.00	57.58	2.20	0.21	0.55	63.04	0.27	4.68	85.43	151.65	1.62	0.30	5.48	377.00	8.42
F1	21.14	0.28	0.01	0.83	3.00	0.01	4.40	4.04	0.07	0.08	4.67	0.04	11.76	15.63	62.92	3.46	0.25	7.60	95.00	7.87
F2	40.76	0.44	0.01	1.54	3.46	0.01	4.67	3.29	0.14	0.11	5.21	0.03	7.75	19.79	127.29	1.90	0.06	8.20	162.00	8.41
F3	26.10	13.41	0.02	1.34	3.54	0.03	5.65	3.42	0.08	0.07	6.84	0.05	11.21	11.48	84.39	2.83	0.12	8.57	109.00	7.63
F4	33.12	1.53	0.13	1.91	4.39	0.04	6.05	2.99	0.13	0.14	7.35	0.05	9.45	24.09	105.04	2.96	0.11	7.85	147.67	7.93
F5	39.72	0.34	0.00	1.53	3.32	0.00	4.61	3.30	0.13	0.49	8.53	0.05	9.64	37.64	102.96	3.09	0.13	6.44	199.33	7.93
F6	28.57	2.87	0.28	1.45	3.65	0.04	61.25	3.79	0.10	0.13	42.46	0.08	12.76	47.16	154.24	3.17	0.56	7.63	291.00	9.20
F7	41.80	0.69	0.02	2.05	4.30	0.10	7.79	2.96	0.19	0.15	9.97	0.05	7.92	24.48	132.52	2.51	0.10	7.16	174.00	7.67
F8	43.32	2.21	0.02	3.07	4.26	0.04	7.43	3.71	0.20	0.32	9.56	0.05	10.18	33.49	129.69	3.66	0.35	5.21	219.67	8.00
L1	22.05	0.25	0.02	3.20	5.17	0.00	24.08	1.99	0.12	0.62	47.25	0.19	0.32	52.76	44.31	0.86	0.11	7.55	298.00	6.28
L10	38.02	0.20	0.02	4.94	8.74	0.00	36.97	1.75	0.19	0.50	40.70	0.18	12.99	58.79	143.66	1.64	0.03	7.95	308.00	7.14
L11	27.36	0.53	0.10	4.34	7.34	0.01	39.04	2.34	0.16	0.65	61.59	0.24	0.24	76.87	72.85	2.65	0.16	8.13	329.00	7.02
L12	24.71	1.23	0.03	3.29	5.42	0.06	25.92	1.33	0.08	0.59	48.75	0.20	1.07	63.79	48.54	0.68	0.09	7.56	304.00	6.36

L13	30.04	0.20	0.02	5.00	7.63	0.00	36.52	1.12	0.18	0.63	47.29	0.11	0.29	48.62	119.65	2.61	0.14	7.56	268.00	6.65
L14	34.23	1.72	0.29	2.88	6.19	0.01	24.27	1.35	0.17	0.44	31.74	0.09	2.68	55.11	111.17	1.83	0.05	6.01	279.00	6.67
L15	23.32	0.44	0.08	3.87	6.59	0.01	37.02	2.02	0.14	0.54	32.76	0.13	0.87	53.81	115.23	1.54	0.08	6.72	339.00	7.86
L16	26.27	0.41	0.03	3.56	6.27	0.01	30.31	1.21	0.15	0.51	33.48	0.10	0.38	32.29	117.32	2.48	0.17	5.76	317.00	6.26
L17	20.88	0.13	0.02	3.19	5.50	0.00	26.26	0.76	0.12	0.62	54.93	0.21	0.68	64.45	26.98	2.20	0.06	7.51	292.00	6.60
L18	27.15	0.62	0.02	4.11	6.42	0.00	30.72	1.01	0.15	0.63	47.32	0.14	0.39	52.74	85.14	0.70	0.06	7.76	282.00	6.62
L19	36.07	0.32	0.04	4.91	8.28	0.00	35.17	1.50	0.19	0.45	25.03	0.09	6.76	42.09	174.87	1.05	0.03	7.19	289.00	6.92
L2	26.12	0.28	0.02	4.12	7.07	0.00	35.12	1.62	0.14	0.58	50.60	0.21	1.06	67.89	81.03	1.07	0.05	7.85	319.00	6.96
L20	36.57	0.25	0.03	4.92	8.65	0.00	36.13	1.63	0.19	0.51	43.15	0.17	0.32	57.44	145.57	1.45	0.04	7.60	300.00	6.97
L21	35.48	0.50	0.02	5.09	8.47	0.00	37.75	1.47	0.19	0.41	28.57	0.10	1.06	38.50	182.98	1.38	0.03	7.89	298.00	6.54
L22	30.96	0.36	0.05	5.11	8.23	0.00	41.54	2.27	0.18	0.72	54.19	0.21	0.23	64.27	116.82	0.46	0.02	7.87	256.00	6.54
L23	30.91	0.32	0.04	3.30	6.57	0.00	33.59	2.49	0.17	0.56	44.72	0.15	0.37	66.62	99.67	2.48	0.13	5.74	289.26	7.58
L3	34.39	0.88	0.03	4.86	8.71	0.00	40.45	0.88	0.18	0.55	52.09	0.25	2.04	67.95	126.47	1.11	0.02	7.62	314.00	7.22
L4	21.00	0.32	0.03	3.12	5.32	0.02	25.81	1.64	0.11	0.58	54.74	0.20	1.53	65.84	23.88	1.31	0.06	7.48	304.00	6.66
L5	33.04	0.35	0.01	4.37	7.95	0.00	33.95	1.69	0.17	0.51	49.72	0.21	0.78	64.20	108.32	1.71	0.03	8.04	314.00	6.71
L6	35.09	0.34	0.02	4.75	8.45	0.00	38.33	1.84	0.18	0.46	35.32	0.15	0.68	50.54	163.45	1.26	0.04	7.58	315.00	7.07
L7	24.93	1.27	0.04	3.57	6.10	0.00	24.70	1.65	0.13	0.55	45.49	0.20	0.98	62.29	56.69	1.23	0.04	5.40	294.00	6.86
L8	26.07	0.73	0.02	3.40	5.97	0.00	25.16	1.06	0.13	0.52	42.62	0.17	1.57	56.63	68.58	1.57	0.04	8.35	299.00	6.75
L9	27.33	0.41	0.03	3.60	6.32	0.00	28.34	0.80	0.14	0.40	29.59	0.11	0.95	39.88	117.33	1.49	0.04	7.33	303.00	7.37
R1	43.59	1.07	0.06	4.73	8.87	0.07	52.47	3.70	0.21	0.38	40.43	0.07	11.42	97.60	180.21	3.41	0.67	2.69	359.00	7.21
R10	44.87	1.48	0.07	3.88	7.92	0.07	41.82	3.54	0.21	0.20	13.36	0.05	34.48	24.78	221.08	3.34	0.18	5.76	121.00	7.94
R11	62.70	4.25	0.07	2.66	7.18	0.01	13.66	3.42	0.18	0.28	18.75	0.04	13.57	32.77	200.80	2.24	0.09	n.a.	356.09	n.a.
R12	42.35	4.21	0.08	2.96	8.05	0.03	10.84	3.39	0.20	0.24	15.74	0.03	7.46	35.81	145.70	2.01	0.19	5.10	218.00	4.73
R13	45.89	2.02	0.33	5.60	9.78	0.05	63.27	2.81	0.24	0.14	9.81	0.03	4.80	53.66	311.01	1.58	0.12	7.76	166.33	9.47
R14	52.51	2.07	0.05	7.27	11.61	0.20	43.98	2.83	0.27	0.26	16.73	0.03	6.47	39.07	286.92	2.35	0.30	4.13	399.00	7.52
R15	45.89	0.53	0.07	4.75	10.10	0.02	56.54	3.52	0.24	0.33	23.90	0.07	7.79	43.28	271.29	1.45	0.32	7.32	382.33	8.40
R16	44.21	4.64	0.06	3.82	9.12	0.01	13.56	3.23	0.23	0.28	18.35	n.a.	3.68	38.16	162.88	2.20	0.23	5.70	232.00	4.84
R17	35.71	5.15	0.10	2.39	6.67	0.01	9.08	3.27	0.18	0.21	11.56	0.03	5.49	29.82	125.97	1.89	0.25	8.06	180.00	4.93
R18	57.72	6.23	0.04	3.55	7.84	0.10	56.37	3.50	0.21	0.42	94.58	0.17	25.17	84.24	126.99	2.18	0.27	2.38	511.00	7.99
R19	42.34	0.40	0.02	5.12	8.86	0.08	18.20	3.33	0.21	0.53	30.76	0.05	45.93	68.91	86.64	8.77	1.00	2.49	311.00	6.76
R2	44.23	4.23	0.02	8.85	15.12	0.00	79.60	2.42	0.24	0.65	64.74	0.11	19.00	81.06	251.92	3.17	1.22	4.09	468.00	8.17
R3	45.51	1.41	0.07	6.04	9.68	0.01	71.16	2.97	0.22	0.89	61.93	0.06	13.80	120.52	185.62	3.19	1.43	9.49	435.00	7.11
R4	44.61	2.69	0.05	4.90	8.02	0.15	58.15	3.34	0.21	0.05	8.59	0.11	1.65	7.34	317.95	3.90	0.94	4.74	404.00	7.31

R5	38.43	4.61	0.22	2.74	7.56	0.06	12.69	3.31	0.19	0.25	16.70	0.04	6.37	34.39	136.46	1.89	0.99	6.04	213.67	7.81
R6	40.62	9.86	0.20	2.72	7.80	0.08	13.05	3.43	0.21	0.25	22.05	0.05	5.61	42.29	131.68	1.98	0.07	5.83	222.50	7.32
R7	46.41	0.90	0.11	3.46	8.50	0.13	27.18	3.63	0.24	0.29	29.17	0.18	3.56	57.97	170.89	2.48	0.24	3.71	285.00	7.50
R8	45.64	10.75	0.06	4.27	8.78	0.14	27.95	3.85	0.23	0.35	37.64	0.05	11.23	42.98	160.32	3.09	0.42	0.69	308.00	7.14
R9	31.42	0.19	0.00	5.28	10.35	0.00	17.75	6.70	0.22	0.40	26.44	0.05	9.22	31.37	127.70	3.61	0.29	10.35	206.00	7.33
U1	52.19	1.04	0.03	11.28	9.52	0.07	167.46	3.31	0.26	0.82	107.99	0.12	11.07	227.55	323.50	4.90	0.13	4.01	736.00	7.47
U10	52.91	1.57	0.06	12.46	9.39	0.16	142.04	3.24	0.24	0.76	95.71	0.12	5.37	227.51	286.98	4.39	2.48	3.09	695.00	7.38
U11	47.95	0.40	0.06	6.43	8.60	0.10	120.19	3.47	0.22	0.75	172.66	0.20	6.04	71.01	164.88	2.33	0.42	1.90	607.33	7.37
U2	49.19	0.76	0.04	6.92	9.91	0.24	79.07	2.89	0.23	0.63	151.08	0.52	9.45	76.06	98.53	2.77	0.29	1.55	525.67	6.41
U3	43.57	3.74	0.10	3.80	8.35	0.07	21.39	3.80	0.23	0.29	27.06	0.20	16.91	41.54	147.45	4.11	66.77	1.04	288.67	7.36
U4	47.63	1.11	0.09	7.84	9.46	0.05	140.22	2.90	0.23	0.73	91.41	0.07	0.71	195.65	291.41	3.64	1.10	4.49	649.00	7.47
U5	49.07	0.93	0.18	6.96	9.54	0.19	160.83	4.67	0.23	0.64	70.78	0.07	11.44	298.65	310.20	2.77	0.41	4.62	724.00	7.38
U6	52.99	0.51	0.08	6.31	10.42	0.25	70.40	3.21	0.24	0.73	78.23	0.10	6.04	123.09	189.30	3.95	0.45	7.31	461.00	7.08
U7	55.28	0.68	0.06	6.09	9.53	0.17	88.41	3.75	0.25	0.74	75.43	0.11	17.97	168.38	203.31	4.75	0.99	4.41	530.00	7.49
U8	45.06	3.63	0.31	6.68	10.51	0.13	58.52	1.71	0.23	0.56	68.15	0.39	5.81	212.68	96.08	2.38	3.89	7.81	381.00	8.28
U9	51.63	0.64	0.07	16.71	11.81	0.02	112.22	1.06	0.24	1.06	100.91	0.18	15.11	138.32	259.66	4.00	0.55	2.53	630.00	7.62

TN, total nitrogen; TP, total phosphorus; DO, dissolved oxygen; TDS, total dissolved solutes.