

APPENDIX 1

Water depths, physicochemical parameters of the bottom water, grain-size and total organic carbon (TOC) of the sampling stations

	1w	2w	3w	4w	5w	1sp	2sp	3sp	4sp	5sp	1s	2s	3s	4s	5s	1a	2a	3a	4a	5a	min	max	mean	s.d.	w	sp	s	a	1	2	3	4	5	A1	A2	B
Water depth [cm]	40.0	52.0	71.0	96.0	102.0	40.0	50.0	70.0	85.0	100.0	35.0	50.0	75.0	92.0	102.0	45.0	58.0	71.0	85.0	100.0	35.0	102.0	71.0	23.4	72.2	69.0	70.8	71.8	40.0	52.5	71.8	89.5	101.0	40.0	60.9	92.6
Salinity PSU	45.8	45.7	45.4	44.1	43.9	45.8	45.8	45.8	45.8	44.7	46.1	46.1	46.1	46.1	46.1	46.0	45.9	45.9	45.9	45.9	43.9	46.1	45.6	0.6	45.0	45.6	46.1	45.9	45.9	45.9	45.8	45.5	45.2	45.9	45.9	45.3
Temperature [°C]	20.2	20.1	20.1	20.1	20.1	23.4	23.4	23.4	23.3	23.3	28.8	28.8	28.8	28.8	28.8	25.1	25.1	25.0	25.1	25.1	20.1	28.8	24.3	3.2	20.1	23.4	28.8	25.1	24.4	24.4	24.3	24.3	24.3	24.4	24.9	23.9
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	0.0	8.2	8.2	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Conductivity	52325.0	52224.0	52120.0	52122.0	52132.0	54937.0	54574.0	54476.0	54215.0	54101.0	57581.0	57136.0	56694.0	56592.0	56574.0	55947.0	55353.0	54991.0	54855.0	54165.0	52120.0	57581.0	54655.7	1777.4	52184.6	54460.6	56915.4	55062.2	55197.5	54821.8	54570.3	54446.0	54243.0	55197.5	55064.0	54097.3
Turbidity	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.7	0.0	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Bicarbonates	102.1	102.3	101.9	102.1	102.0	104.3	104.9	104.5	104.3	102.5	104.6	104.2	103.9	105.1	104.8	104.2	104.3	104.1	104.3	103.8	101.9	105.1	103.7	1.1	102.1	104.1	104.5	104.1	103.8	103.9	103.6	103.9	103.3	103.8	104.0	103.4
TOC [mg/kg]	9321.0	10035.0	8642.0	5105.0	3379.0	4522.0	4757.5	4623.0	4486.0	4329.0	5191.0	4988.0	4445.0	4131.5	3946.5	8746.0	8310.0	7133.0	6470.0	5935.0	3379.0	10035.0	5924.8	2035.8	7296.4	4543.5	4540.4	7318.8	6945.0	7022.6	6210.8	5048.1	4397.4	6945.0	6327.4	5158.2
Silt and clay [%]	10.6	6.9	4.4	3.0	2.8	12.1	7.6	7.6	5.4	3.5	14.1	9.9	13.0	4.4	6.5	13.6	14.0	10.5	6.6	1.6	1.6	14.1	7.9	4.1	5.5	7.2	9.6	9.2	12.6	9.6	8.9	4.8	3.6	12.6	9.9	4.2
Fine sand [%]	40.7	37.4	32.5	29.2	29.3	34.6	34.0	33.0	28.8	21.9	44.8	35.4	39.7	33.7	31.5	47.4	41.5	31.3	23.2	20.0	20.0	47.4	33.5	7.2	33.8	30.5	37.0	32.7	41.9	37.1	34.1	28.7	25.7	41.9	36.0	27.8
Medium sand [%]	48.3	50.4	52.1	55.6	54.8	50.0	52.8	52.3	57.4	63.2	39.9	51.3	42.5	54.5	53.7	37.7	39.8	52.8	59.0	68.6	37.7	68.6	51.8	7.7	52.2	55.1	48.4	51.6	44.0	48.6	49.9	56.6	60.1	44.0	48.8	57.7
Coarse sand [%]	0.4	5.3	11.0	12.2	13.1	1.3	5.8	7.2	8.4	11.5	1.2	3.4	4.9	7.4	8.3	1.3	4.8	5.5	11.2	9.9	0.4	13.1	6.7	4.0	8.4	6.9	5.0	6.5	1.0	4.8	7.1	9.8	10.7	1.0	5.3	10.3