

1 **Table 1S.** Range of meteorological, physico-chemical and chlorophyll *a* (Chl *a*) data for discrete
2 sampling depths in El Neusa reservoir from July to October 2004. AR: accumulated rainfall; ET:
3 total evaporation; T: water temperature; DO: dissolved oxygen; CON: conductivity; NO₂: nitrite;
4 NO₃: nitrate; NH₄: Ammonia; DIP: dissolved inorganic phosphorus; DS: total dissolved solids;
5 SS: total suspended solids; TN: total nitrogen; TP: total phosphorus. n: number of data.

Variable (units)	27-Jul-04		26-Aug-04		16-Sep-04		05-Oct-04	
	Range	Mean	Range	Mean	Range	Mean	Range	Mean
AR (mm)	-	67.0	-	50.3	-	195.2	-	120.5
ET (mm)	-	31.7	-	45.4	-	45.1	-	36.1
Sampling depth (m)	0.5-20	n.a.	0.5-24	n.a.	0.5-27	n.a.	0.5-20.0	n.a.
Secchi disc (m) (n= 4)	1.7-1.9	1.9	1.8-2.6	2.1	1.4-1.8	1.6	1.7-2.5	2.1
T (°C) (n= 8)	13.8-14.2	14.0	13.0-13.6	13.5	10.6-16.6	14.1	10.8-15.3	14.3
DO (mg L ⁻¹) (n= 8)	0.9-10.2	6.5	4.0-9.2	6.0	1.8-8.1	5.0	0.9-9.5	5.1
CON (n= 8)	63.6-123.4	67.6	87.7-95.3	88.9	88.3-121.8	92.5	87.0-107.3	91.4
pH (n= 8)	6.5-7.1	7.1	6.3-6.8	6.7	6.7-7.0	6.8	6.2-7.9	6.9
NO ₂ (mg L ⁻¹) (n= 8)	<0.001**- 0.002	n.a.	<0.001**	n.a.	0.001-0.0015	0.0013	0.0012- 0.0024	0.0017
NO ₃ (mg L ⁻¹) (n= 8)	<0.1**-0.3	n.a.	<0.1**	n.a.	0.12-1.2	0.26	0.12-0.8	0.21
NH ₄ (mg L ⁻¹) (n= 8)	0.09-0.22	0.12	0.11-0.19	0.13	0.05-0.15	0.10	0.05-0.30	0.12
DIP (mg L ⁻¹) (n= 8)	0.04-0.09	0.07	0.05-0.09	0.07	0.03-0.16	0.10	0.04-0.09	0.07
TP (mg L ⁻¹) (n= 8)	0.051-0.21	0.12	0.04-0.14	0.09	0.07-0.20	0.12	0.04-0.06	0.05
TN (mg L ⁻¹) (n= 8)	1.1-1.7	1.33	1.4-3.4	1.79	0.28-3.08	1.37	0.8-1.20	1.00
DS (mg L ⁻¹) (n= 8)	33.5-60.5	50.1	21-50.5	36.2	35.9-66.5	52.4	39.0-94.0	57.5
SS (mg L ⁻¹) (n= 8)	0-15.5	2.1	0-35	16.1	0-111.5	35.7	0-20.0	6.9
Chl <i>a</i> (µg L ⁻¹) (n= 8)	3.8-16.9	12.3	2.9-28.4	13.3	2.3-21.6	11.2	2.2-10.1	7.9

6 * cumulative monthly value. ** below the detection limit; n.a.: not available; number of data (n) for each
7 sampling month.