

Supplementary Table 1. Results of ANOVAs run on measured abiotic parameters of water and bottom sediments. Only the effects of reservoir zone have been shown.

Parameters	df	df error	MS effect	MS error	F	P
Secchi depth	1	11	0.093	0.008	12.095	0.005
Water content	1	11	1475.085	51.407	28.694	< 0.001
Organic matter content	1	11	134.433	3.140	42.813	< 0.001

Supplementary Table 2. Results of ANOVAs run on biotic parameters (taxon numbers, Shannon diversities, taxon densities). Only the effects of reservoir zone have been shown.

Macrozoobenthos	df effect	df error	MS effect	MS error	F	P
<b>OLIGOCHAETA</b>						
Number of taxa	1	11	0.068	0.015	4.674	0.054
Shannon index	1	11	0.030	0.006	4.922	0.048
<i>Limnodrilus hoffmeisteri</i>	1	11	0.865	0.266	3.250	0.099
<i>Limnodrilus claparedeanus</i>	1	11	1.673	0.525	3.186	0.102
<i>Potamothrix hammoniensis</i>	1	11	5.119	0.933	5.487	0.039
<i>Potamothrix bavaricus</i>	1	11	17.162	13.195	1.301	0.278
<i>Tubifex tubifex</i>	1	11	2.292	12.987	0.176	0.048
<i>Limnodrilus profundicola</i>	1	11	0.001	1.818	0.001	0.979
<i>Potamothrix moldaviensis</i>	1	11	150.393	3.905	38.515	<0.001
<i>Limnodrilus udekemianus</i>	1	11	67.732	5.761	11.756	0.006
<i>Dero sp.</i>	1	11	8.028	2.372	3.385	0.093
<i>Psammoryctides sp.</i>	1	11	11.359	3.759	3.022	0.110
OLIGOCHAETA – total	1	11	0.454	0.271	1.678	0.222
<b>CHIRONOMIDAE</b>						
Number of taxa	1	11	0.418	0.054	7.723	0.018
Shannon index	1	11	0.268	0.008	32.023	<0.001
<i>Chironomus sp.</i>	1	11	0.034	0.874	0.039	0.847
<i>Glyptotendipes sp.</i>	1	11	99.712	2.923	34.114	<0.001
<i>Procladius sp.</i>	1	11	0.057	5.162	0.011	0.918
<i>Cryptochironomus sp.</i>	1	11	47.216	0.945	49.947	<0.001
<i>Polypedylum nubeculosum</i>	1	11	0.763	0.937	0.846	0.377

Chironomidae pupae	1	11	1.670	1.974	0.846	0.377
CHIRONOMIDAE – total	1	11	0.001	0.883	0.002	0.969
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MOLLUSCA						
Number of taxa	1	11	2.901	0.078	37.256	<0.001
Shannon index	1	11	0.856	0.058	14.708	0.003
<i>Sphaerium sp.</i>	1	11	11.501	3.296	3.490	0.089
<i>Pisidium sp.</i>	1	11	13.889	7.820	1.776	0.210
<i>Valvata piscinalis</i>	1	11	14.519	0.967	15.020	0.003
<i>Bithynia tentaculata</i>	1	11	14.363	1.357	10.588	0.008
<i>Viviparus viviparus</i>	1	11	26.154	1.659	15.767	0.002
<i>Dreissena polymorpha</i>	1	11	12.840	0.885	14.502	0.003
<i>Unio sp.</i>	1	11	9.886	1.474	6.707	0.025
<i>Radix auricularia</i>	1	11	2.040	0.804	2.538	0.139
MOLLUSCA – total	1	11	18.292	2.697	6.783	0.024
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HIRUDINEA	1	11	144.814	0.157	921.914	<0.001
NEMATODA	1	11	12.424	0.086	143.956	<0.001
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ZOOBENTHOS – total						
Number of taxa	1	11	0.720	0.011	66.452	<0.001
Shannon index	1	11	0.154	0.009	13.378	0.002
ZOOBENTHOS	1	11	0.206	0.070	2.948	0.114
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Supplementary Table 3. Results of ANOVAs run on taxon biomass. Only the effects of reservoir zone have been shown.

Macrozoobenthos	df	df error	MS effect	MS error	F	P
<i>Unio sp.</i> *	1	11	35.185	5.782	6.085	0.031
<i>Sphaerium sp.</i> *	1	11	18.493	1.992	9.282	0.011
<i>Viviparus viviparus</i> *	1	11	36.264	2.335	15.530	0.002
<i>Pisidium sp.</i>	1	11	3.149	0.993	3.170	0.103
<i>Bithynia tentaculata</i> *	1	11	4.473	0.480	9.322	0.011
<i>Dreissena polymorpha</i> *	1	11	2.435	0.354	6.874	0.024
<i>Valvata piscinalis</i> *	1	11	1.141	0.176	6.485	0.027
<i>Radix auricularia</i>	1	11	0.424	0.167	2.538	0.139
MOLLUSCA – total*	1	11	52.457	1.081	48.508	0.001
OLIGOCHAETA*	1	11	2.071	0.278	7.448	0.020
CHIRONOMIDAE	1	11	0.170	0.652	0.260	0.620
HIRUDINEA*	1	11	34.738	0.373	93.195	0.001
NEMATODA*	1	11	0.047	0.009	5.493	0.039
ZOOBENTHOS – total*	1	11	9.042	0.508	17.806	0.001
ZOOBENTHOS without Mollusa*	1	11	1.246	0.138	9.012	0.012