

Appendix A Reference values for the South Invertebrate Portuguese Index (IPtI_s) and related biometrics for rivers from Central Littoral Portugal ²³, defined in the context of the WFD. S –macroinvertebrate taxa richness, EPT – number of families belonging to the Ephemeroptera, Plecoptera and Trichoptera orders, IASPT – Iberian ASPT (Average Score per Taxon) index, EPTCD – total number of individuals belonging to the Chloroperlidae, Nemouridae, Leuctridae, Leptophlebiidae, Ephemerellidae, Philopotamidae, Limnephilidae, Psychomyiidae, Sericostomatidae, Elmidae, Dryopidae and Athericidae families.

Metrics	S	EPT	IASPT-2	Log ₁₀ (EPTCD + 1)	IPtI _s
Reference value	8.00	20.00	3.60	2.57	0.98

Appendix B Ecological Quality Ratio (EQR) classes for rivers from Central Littoral Portugal ²³, defined in the context of the WFD.

Classes	High/Good	Good/Moderate	Moderate/Poor	Poor/Bad
EQR	0.74	0.55	0.37	0.19

Appendix C Total abundance of macroinvertebrates *per* taxa for each sampling site (#1 – Parada, #2 – Lagoa Seca, #3 – Ponte do Repolão) in November 2009 and April 2010.

TAXA	November 2009			April 2010		
	#1	#2	#3	#1	#2	#3
OLIGOCHETA	4	2	0	2	48	3
GASTROPODA						
Bythinellidae	0	0	0	0	1	0
Physidae	0	0	3	0	0	9
MALACOSTRACA						
Isopoda						
Asellidae	0	0	1	0	0	2
Decapoda						
Astacidae	0	0	0	0	0	1
Atyidae	0	0	0	0	0	15
INSECTA						
Plecoptera						
Perlodidae	7	0	0	4	0	0
Lymnaeidae	0	0	0	3	0	0
Capniidae	0	0	0	28	0	0
Nemouridae	44	0	0	0	0	0
Ephemeroptera						
Caenidae	45	0	1	18	0	4
Baetidae	1	0	125	386	0	255
Ephemerellidae	4	0	0	23	0	0
Heptageniidae	0	0	0	13	0	0
Leptophlebiidae	0	0	0	579	0	0
Trichoptera						
Calamoceratidae	6	0	0	1	0	0
Ecnomidae	1	0	0	0	0	0

Appendix C – continued

Psychomyiidae	2	0	0	1	0	0
Brachycentridae	2	0	0	0	0	0
Polycentropodidae	3	0	0	7	0	0
Limnephilidae	0	0	0	3	0	0
Coleoptera						
Elmidae	62	0	5	38	0	0
Dytiscidae	1	0	0	0	0	0
Halplidae	2	0	0	0	0	0
Odonata						
Aeshnidae	2	0	0	10	0	0
Calopterygidae	0	0	0	1	0	0
Coenagrionidae	0	0	0	0	0	6
Cordulegastridae	0	0	0	1	0	1
Heteroptera						
Corixidae	0	0	0	0	0	32
Notonectidae	0	0	1	1	0	0
Diptera						
Chironomidae	36	53	73	152	103	55
Athericidae	6	0	0	33	0	0
Ceratopogonidae	0	0	0	9	0	0
Empididae	0	0	0	5	0	0
Simuliidae	0	0	102	9	2	111
Tipulidae	2	0	0	2	0	0
Psychodidae	0	0	25	0	0	0
Culicidae	0	11	1	0	0	0