

Screening-Taxaliste

Auszug aus dem

LEITFADEN ZUR ERHEBUNG DER BIOLOGISCHEN QUALITÄTSELEMENTE TEIL A2 – MAKROZOOBENTHOS



Nachfolgender Text ist dem „Leitfaden zur Erhebung der Biologischen Qualitätselemente, Teil A2 – Makrozoobenthos“ (Ofenböck et al., 2010), herausgegeben vom Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft, entnommen.

Screening-Taxon	Sensitives Taxon	Saprobie-Score	Degradations-Score		
			Alpen-Index	Mittelgeb.-Index	Vorländer-Index
Spongillidae Gen. sp.		105	-2	-1	1
Hydrozoa		90			
<i>Craspedacusta sowerbyi</i>		125			
Turbellaria					
<i>Dendrocoelum lacteum</i> -Typ (weisslich)		135	-5	-4	-4
<i>Dugesia zigrina</i>		110			
Nematomorpha -Gordiidae Gen. sp.					
Nematoda -Mermithidae Gen. sp.					
Gastropoda					
<i>Theodoxus</i> sp.	X	90	5	5	5
<i>Viviparus</i> sp.	X	105	3	4	5
Hydrobiidae Gen. sp. excl. <i>Potamopyrgus</i> sp. & <i>Lithoglyphus</i> sp.	X	10	5	5	5
<i>Bythinella</i> sp.	X	10	5	5	5
<i>Potamopyrgus antipodarum</i>		140	-5	-5	-5
<i>Lithoglyphus naticoides</i>	X	110			5
<i>Bithynia</i> sp.		110	-3	-3	-1
Melanopsidae Gen. sp. (<i>Microcolpia</i> sp., <i>Esperiana</i> sp.)			4	4	4
<i>Holandriana holandrii</i>		10	1	1	1
Thiaridae Gen. sp. (<i>Melanooides tuberculata</i>)					
Valvatidae Gen. sp.		115	-3	-3	-3
<i>Acroloxus lacustris</i>		110	-2	-2	-2
Lymnaeidae Gen. sp.			-2		2
<i>Lymnaea stagnalis</i>		100	-4	-4	-4
<i>Stagnicola</i> sp.		95	-4	-4	-2
<i>Radix ampla/auricularia</i>		115	-4	-4	
<i>Radix ovata/peregra</i>		100	-4	-2	
<i>Physa fontinalis</i>		75	-4	-4	-4
<i>Physella acuta/heterostropha</i>		135	-4	-4	-4
<i>Aplexa hypnorum</i>		80			
Planorbidae Gen. sp.		110			
<i>Ancylus fluviatilis</i>		90	1	1	4
<i>Planorbarius corneus</i>		110			
Bivalvia			3	3	3
<i>Margaritifera margaritifera</i>	X	40		5	5
<i>Unio</i> sp.			5	5	5
<i>Unio crassus</i> ssp.	X	85	5	5	5
<i>Unio pictorum</i> ssp.		95	5	5	5
<i>Unio tumidus</i> ssp.	X	120	5	5	5
Anodontinae Gen. sp.		105	2	2	2
<i>Dreissena polymorpha</i>		95			
<i>Corbicula</i> sp.					
Pisidiidae Gen. sp.			-4	-4	-4
<i>Sphaerium</i> sp.		120	-4	-4	-4
<i>Musculium lacustre</i>		120	-4	-4	-4
Polychaeta					
<i>Hypania invalida</i>		115			
Oligochaeta					
<i>Haplotaxis gordioides</i>			3	3	3
<i>Eiseniella tetraedra</i>		100			
<i>Nais</i> sp. (nur Belastungszeiger)		140	-5	-5	-5
<i>Branchiura sowerbyi</i>		120			
<i>Limnodrilus</i> sp./ <i>Tubifex</i> sp. - Aspekt		180	-5	-5	-5
<i>Stygodrilus heringianus</i> u./o. <i>Propappus volki</i>					
Hirudinea			-5	-5	-5
Piscicolidae Gen. sp.			-5	-5	-5
Glossiphoniidae Gen.sp.		135	-5	-5	-5
<i>Alboglossiphonia/Glossiphonia</i> sp.		125	-5	-5	-5
<i>Helobdella stagnalis</i>		140	-5	-5	-5
Haemopidae/Hirudinidae Gen. sp.			-5	-5	-5
Erpobdellidae Gen. sp.		150	-5	-5	-5
<i>Erpobdella octoculata</i>		150	-5	-5	-5
<i>Dina punctata</i>		110	-5	-5	-5
Branchiobdellidae Gen. sp.	X	75			
Crustacea					
<i>Argulus</i> sp.		125			
Anostraca, Conchostraca, Notostraca Gen. sp.	X		5	5	5
Mysidacea Gen. sp.					
<i>Corophium curvispinum</i>		105	-2	-2	-2

Screening-Taxon	Sensitives Taxon	Saprobie-Score	Degradations-Score		
			Alpen-Index	Mittelgeb.-Index	Vorländer-Index
Gammaridae Gen. sp.					
<i>Gammarus fossarum/pulex</i>		85			
<i>Gammarus roeselii</i>		120			
<i>Niphargus</i> sp. (excl. <i>N. hrabei</i>)	X	5	5	5	5
<i>Asellus/Proasellus</i> sp.		140	-4	-4	-4
<i>Proasellus cavaticus</i>	X	5	5	5	5
<i>Jaera istri</i>		100			
<i>Atyaephyra desmaresti</i>		115			
Astacidae Gen. sp.			2	2	2
<i>Astacus astacus</i>	X	90	5	5	5
<i>Astacus leptodactylus</i>	X	115	2	2	2
<i>Pacifastacus leniusculus</i>		120			
<i>Austropotamobius torrentium/pallipes</i>	X	60	4	4	4
<i>Orconectes limosus</i>		120	-3	-3	-3
<i>Eriocheir sinensis</i>					
Arachnidia					
Hydrachnidia Gen. sp.					
<i>Argyroneta aquatica</i>	X				
Uferspinnen (z.B. <i>Dolomedes</i> sp., <i>Pirata</i> sp.)					
Ephemeroptera					
Siphonuridae Gen. sp.	X		3	3	3
<i>Ametropus fragilis</i>	X		5	5	5
Baetidae Gen. sp.			3	3	3
<i>Baetis muticus</i>	X	70	4	4	4
<i>Baetopus tenellus</i>			4	4	4
<i>Cloeon</i> sp.		135	-4	-4	-4
<i>Oligoneuriella rhenana</i>	X	95	4	4	4
<i>Arthroplea congener</i>					
Heptageniidae Gen. sp.	X		5	5	5
<i>Epeorus</i> sp.	X		5	5	5
<i>Epeorus alpicola</i>	X	25	5	5	5
<i>Epeorus assimilis</i>	X	70	5	5	5
<i>Rhithrogena</i> sp.	X	50	5	5	5
<i>Ecdyonurus</i> sp.	X	70	5	5	5
<i>Electrogena/Heptagenia</i> sp.	X	100	5	5	5
<i>Heptagenia coerulans</i>	X	110	5	5	5
<i>Heptagenia sulphurea</i>		100	5	5	5
Leptophlebiidae Gen. sp.	X		4	4	4
<i>Leptophlebia</i> sp.	X	110	4	4	4
<i>Habroleptoides/Paraleptophlebia</i> sp.	X		4	4	4
<i>Habrophlebia</i> sp.	X		4	4	4
<i>Potamanthus luteus</i>	X	110	5	5	5
<i>Ephoron virgo</i>	X	115	5	5	5
<i>Ephemera</i> sp. excl. <i>E. danica</i>	X	105	3	3	3
<i>Ephemera danica</i>	X	90	3	3	3
<i>Ephemerella</i> sp.	X		2	2	2
<i>Ephemerella ignita</i>		105	2	2	2
<i>Ephemerella major</i>	X	90	3	3	3
Caenidae Gen. sp.		105	1	1	1
<i>Brachycercus harrisella</i>	X	110	1	1	3
Odonata					
Zygoptera Gen. sp.					
<i>Calopteryx</i> sp.	X	100	1	1	1
<i>Calopteryx splendens</i>	X	110	1	1	1
<i>Calopteryx virgo</i>	X	90	1	1	1
<i>Chalcolestes/Lestes</i> sp.			-1	-1	-1
<i>Platycnemis pennipes</i>		100	-2	-2	-2
<i>Erythromma</i> sp.		100			
<i>Pyrrhosoma nymphula</i>		100			
Anisoptera Gen. sp.					
Aeshnidae Gen. sp.					
Gomphidae Gen. sp.	X	90	4	3	3
<i>Cordulegaster</i> sp.	X	70	4	4	3
Corduliidae/Libellulidae Gen. sp.			-1	-1	-1
<i>Sympetrum pedemontanum</i>		100	-1	-1	-1
Plecoptera					
Perlodidae Gen. sp.	X		4	4	4
<i>Dictyogenus/Perlodes</i> sp.	X	65	5	5	5
<i>Isoperla</i> sp.	X		3	3	3
Perlidae Gen. sp.	X		4	4	4

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			Alpen-Index	Mittelgeb.-Index	Vorländer-Index
<i>Dinocras</i> sp.		100	4	4	4
<i>Perla</i> sp.	X		5	5	5
Chloroperlidae Gen. sp.	X	50	4	4	5
<i>Isoptera serricornis</i>	X		5	5	5
Taeniopterygidae Gen. sp.	X	65	3	3	5
<i>Brachyptera/Rhabdiopteryx</i> sp.	X	60	3	3	5
<i>Taeniopteryx</i> sp.	X		3	3	5
<i>Taeniopteryx auberti/hubaulti</i>	X	10	3	3	5
<i>Taeniopteryx kuehntreiberi/schoenemundi</i>	X	65	3	3	5
<i>Taeniopteryx nebulosa</i>	X	85	3	3	5
Nemouridae Gen. sp.			1	1	3
<i>Amphinemura</i> sp.	X	50	5	5	5
<i>Nemoura/Nemurella</i> sp.			1	1	3
<i>Protonemura</i> sp.	X	40	5	5	5
Capniidae/Leuctridae Gen. sp.		75	5	5	5
<i>Leuctra geniculata</i>	X	100	2	2	3
Heteroptera					
<i>Nepa cinerea</i>		125	-1	-1	-1
<i>Ranatra linearis</i>			-1	-1	-1
<i>Aphelocheirus aestivalis</i>	X	90	-2	3	4
<i>Ilyocoris cimicoides</i>		125			
<i>Plea minutissima</i>		125	-1	-1	-1
<i>Notonecta</i> sp.			-1	-1	-1
Corixidae Gen. sp.		110	-2	-2	-2
<i>Mesovelgia</i> sp.			1	1	1
<i>Hebrus</i> sp.			-1	-1	-1
<i>Hydrometra</i> sp.			-1	-1	-1
Veliidae Gen. sp.			2	2	2
Gerridae Gen. sp.			-1	-1	-1
Megaloptera/Sialis sp.		105	-1	-1	-1
Neuroptera/Osmylus fulvicephalus	X	75	3	3	3
Neuroptera/Sisyra sp.	X	100	-2	-1	2
Coleoptera					
Dytiscidae Gen. Sp.			-1	-1	-1
<i>Oreodytes</i> sp.	X	75	3	3	3
<i>Platambus maculatus</i>		115	2	2	
Elmidae Gen. sp.	X	75	3	3	4
<i>Elmis</i> sp.	X	70	3	3	4
<i>Esolus/Oulimnius/Riolus</i> sp.	X	75	3	3	4
<i>Limnius</i> sp.	X	75	3	3	4
<i>Macronychus quadrituberculatus</i>	X	100	5	5	5
Gyrinidae Gen. sp.		100	2	2	2
Halipilidae Gen. sp.			-2	-2	-2
<i>Brychius elevatus</i>		85	-2	-2	-2
<i>Peltodytes caesus</i>		125	-2	-2	-2
Helophoridae Gen. sp.			2	2	2
<i>Hydraena</i> sp.	X	60	4	4	4
Hydrophilidae Gen. sp.			-1	-1	-1
<i>Spercheus emarginatus</i>	X	105	-2	-2	-2
Dryopidae Gen. sp.			3	3	3
Scirtidae Gen. sp.			3	3	3
Chrysomelidae (Donaciinae Gen. sp.)					
<i>Eubria palustris</i>	X	25	2	2	2
"Uferkäfer" (z.B. Carabidae Gen. sp., Staphylinidae Gen. sp.)					
Lepidoptera Gen. sp.		125			
Trichoptera					
Rhyacophilidae Gen. sp.			1	1	2
<i>Rhyacophila albardana/torrentium</i>	X	55	5	5	5
<i>Rhyacophila aquitanica/tristis</i>		70	5	5	5
<i>Rhyacophila (Hyporhyacophila)</i> sp.	X	25	5	5	5
<i>Rhyacophila bonaparti/meyeri</i>	X	5	5	5	5
<i>Rhyacophila intermedia</i>	X	25	5	5	5
<i>Rhyacophila laevis</i>	X	30	5	5	5
<i>Rhyacophila producta</i>	X	15	5	5	5
<i>Rhyacophila</i> s. str. sp.		75	1	1	2
Glossosomatidae Gen. sp.	X		4	4	4
<i>Ptilocolepus granulatus</i>	X	5	4	4	4
<i>Synagapetus</i> sp.	X	15	4	4	4
Hydroptilidae Gen. sp.			-1	-1	-1

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			Alpen-Index	Mittelgeb.-Index	Vorländer-Index
<i>Hydroptila</i> sp.			-1	-1	-1
<i>Ithytrichia lamellaris</i>		50	2	2	2
Philopotamidae Gen. sp.	X	50	4	4	4
<i>Philopotamus</i> sp.	X	50	4	4	4
<i>Wormaldia</i> sp.	X	25	4	4	4
<i>Cheumatopsyche lepida</i>		110	1	1	1
<i>Hydropsyche</i> sp.		125	1	1	1
Polycentropodidae Gen. sp.		75			
<i>Cyrnus trimaculatus</i>		120	-1	-1	
<i>Neureclipsis bimaculata</i>	X	105	3	3	3
<i>Plectrocnemia</i> sp.	X		2	2	2
<i>Polycentropus flavomaculatus</i>		100			
Psychomyiidae Gen. sp.					
<i>Lype</i> sp.	X		3	3	2
<i>Ecnomus tenellus</i>		135	-3	-3	-3
Phryganeidae Gen. sp.		125	-1	-1	-1
Brachycentridae/Lepidostomatidae Gen. sp. (quadratische Köcher)			4	4	4
<i>Brachycentrus montanus</i>	X	60	4	4	4
<i>Brachycentrus subnubilus</i>		105	4	4	4
<i>Micrasema longulum</i>	X	55	4	4	4
<i>Micrasema minimum</i>	X	75	4	4	4
<i>Micrasema morosum</i>	X	45	4	4	4
<i>Oligoplectrum maculatum</i>		80	4	4	4
Limnephilidae Gen. sp.			2	2	2
<i>Anabolia furcata/nervosa</i>		105	-3	-3	1
<i>Apatania</i> sp.	X	20	5	5	5
<i>Drusus chrysotus</i>	X	30	5	5	5
<i>Drusus discolor</i>	X	40	5	5	5
<i>Halesus</i> sp.		75	3	3	3
<i>Potamophylax rotundipennis</i>		90	5	5	5
Goeridae Gen. sp.	X		3	3	3
<i>Crunoecia</i> sp.	X	10	4	4	4
<i>Lasiocephala basalis</i>	X	85	4	4	4
<i>Lepidostoma hirtum</i>		90	3	3	4
Leptoceridae Gen. sp.					
<i>Ceraclea nigronervosa</i>	X	115			
Sericostomatidae Gen. sp.		65	4	4	4
Beraeidae Gen. sp.	X	15	2	2	2
<i>Odontocerum albicorne</i>	X	60	3	3	3
Molannidae Gen. sp.		100	1	1	1
Diptera					
Athericidae Gen. sp.		60	4	4	4
Blephariceridae Gen. sp.	X	45	5	5	5
<i>Blepharicera fasciata</i>	X	70	4	4	4
<i>Haplothrix lugubris</i>	X	50	4	4	4
<i>Liponeura</i> sp.	X	50	5	5	5
Brachycera Gen. sp. (Maden)		190			
Bezzia-Gruppe		125	-4	-4	-4
<i>Chaoborus</i> sp.		150	-1	-1	-1
<i>Mochlonyx</i> sp.		150	-1	-1	-1
Chironomidae Gen. sp.					
Tanypodinae Gen. sp.					
<i>Diamesa</i> sp.		70	2	2	2
<i>Diamesa steinboeckii, Diamesa latitarsis-Gr.</i>		20	5	5	5
<i>Prodiamesa olivacea</i>		135	-3	-3	-3
Orthocladiinae Gen. sp.					
<i>Brillia bifida</i>		90			
<i>Cardiocladius capucinus</i>		125	-2	-2	-2
<i>Chironomus</i> sp. ("rote Formen")		190	-5	-5	-5
rote Non- <i>Chironomus</i> Zuckmücken		150	-4	-4	-4
<i>Rheotanytarsus</i> sp.		100	1	1	1
Culicidae Gen. sp.		150	-3	-3	-3
Cylindrotomidae Gen. sp.			-1	-1	-1
Dixidae Gen. Sp.	X	50	2	2	2
Empididae Gen. sp.	X	75	4	4	4
Ephydridae Gen. sp.		200			
Limoniidae/Pediciidae Gen. sp.		85	5	5	5
Psychodidae Gen. sp.			3	3	3
Psychodidae Gen. sp. "heller Typ"		175	-5	-5	-5

Screening-Taxon	Sensitives Taxon	Saprobie-Score	Degradations-Score		
			Alpen-Index	Mittelgeb.-Index	Vorländer-Index
Psychodidae Gen. sp. "schwarzer Typ"	X	50	3	3	3
<i>Bazarella/Berdeniella</i> sp.	X	50	3	3	3
Ptychopteridae Gen. sp.		200			
Simuliidae Gen. sp.					
<i>Prosimulium</i> sp./ <i>Simulium monticola/maximum</i>		65	2	2	2
Stratiomyiidae Gen. sp.		150	-1	-1	-1
Syrphidae/Eristalinae Gen. sp. ("Rattenschwanzlarven")		200	-5	-5	-5
Tabanidae Gen. sp.		125	-1	-1	-1
Thaumaleidae Gen. sp.	X	50	2	2	2
Tipulidae Gen. sp.		100	2	2	2
Bryozoa Gen. sp.		110	-1	-1	