

Supplementary Material for:
“Macroinvertebrate community responses to a dewatering
disturbance gradient in a restored stream”

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Supplementary Material:

A table (Table S1, page 2) providing the habitat classifications assigned to macroinvertebrates collected in the study.

A figure (Fig. S1, page 3) depicting the rationale for excluding the Very small dewatering effect site from the macroinvertebrate community analysis.

Table S1. List of collected macroinvertebrate taxa, with habit association classifications used in this study.

Order (or higher)	Family	Genus	Habit
Amphipoda	Gammaridae	Gammarus	Swimming
Coleoptera	Dytiscidae	Agabetes	Swimming
Coleoptera	Dytiscidae	Eretes	Swimming
Coleoptera	Dytiscidae	Liodessus	Swimming
Coleoptera	Haliplidae	Peltodytes	Swimming
Coleoptera	Hydrophilidae	Berosus	Swimming
Coleoptera	Hydrophilidae	Enochrus	Swimming
Coleoptera	Hydrophilidae	Hydrochaeres	Swimming
Coleoptera	Hydrophilidae	Hydrochus	Swimming
Coleoptera	Hydrophilidae	Paramycus	Swimming
Coleoptera	Hydrophilidae	Tropisturnus	Swimming
Coleoptera	Hydrophilidae	Sphaeridiinae	Swimming
Coleoptera	Hydroscaphidae	single taxon	Swimming
Coleoptera	Noteridae	Hydrocanthus	Swimming
Coleoptera	Noteridae	Suphisellus	Swimming
Decapoda	single taxon	single taxon	Swimming
Diptera	Ceratopogonidae	Atrichopogon	Benthic
Diptera	Ceratopogonidae	Forcipomyia	Benthic
Diptera	Ceratopogonidae	Probezzia	Benthic
Diptera	Chironomidae	approx. 5 taxa	Benthic
Diptera	Ephydriidae	single taxon	Benthic
Diptera	Sciomyzidae	single taxon	Benthic
Diptera	Tipulidae	single taxon	Benthic
Diptera	Chaoboridae	Chaoborus	Swimming
Diptera	Culicidae	single taxon	Swimming
Hemiptera	Belostomatidae	Belostoma	Hydrophyte-associated
Hemiptera	Hydrometridae	Hydrometra	Hydrophyte-associated
Hemiptera	Naucoridae	Pelocoris	Hydrophyte-associated
Hemiptera	Nepidae	Ranatra	Hydrophyte-associated
Hemiptera	Corixidae	Hesperocorixa	Swimming
Hemiptera	Corixidae	Trichocorixa	Swimming
Hemiptera	Mesoveliidae	Mesovelia	Swimming
Hemiptera	Notonectidae	Notonecta	Swimming
Hemiptera	Veliidae	Microvelia	Swimming
Hemiptera	Veliidae	Platyvelia	Swimming
Lepidoptera	Noctuidae	single taxon	Hydrophyte-associated
Mollusca	single taxon	single taxon	Swimming
Odonata	Aeshnidae	Anax	Hydrophyte-associated
Odonata	Coenagrionidae	Enallagma	Hydrophyte-associated
Odonata	Coenagrionidae	Ischnura	Hydrophyte-associated
Odonata	Libellulidae	Erythemis	Hydrophyte-associated
Odonata	Libellulidae	Miathyria	Hydrophyte-associated
Odonata	Libellulidae	Pachydiplax	Hydrophyte-associated
Oligochaeta	approx. 5 taxa	approx. 5 taxa	Benthic

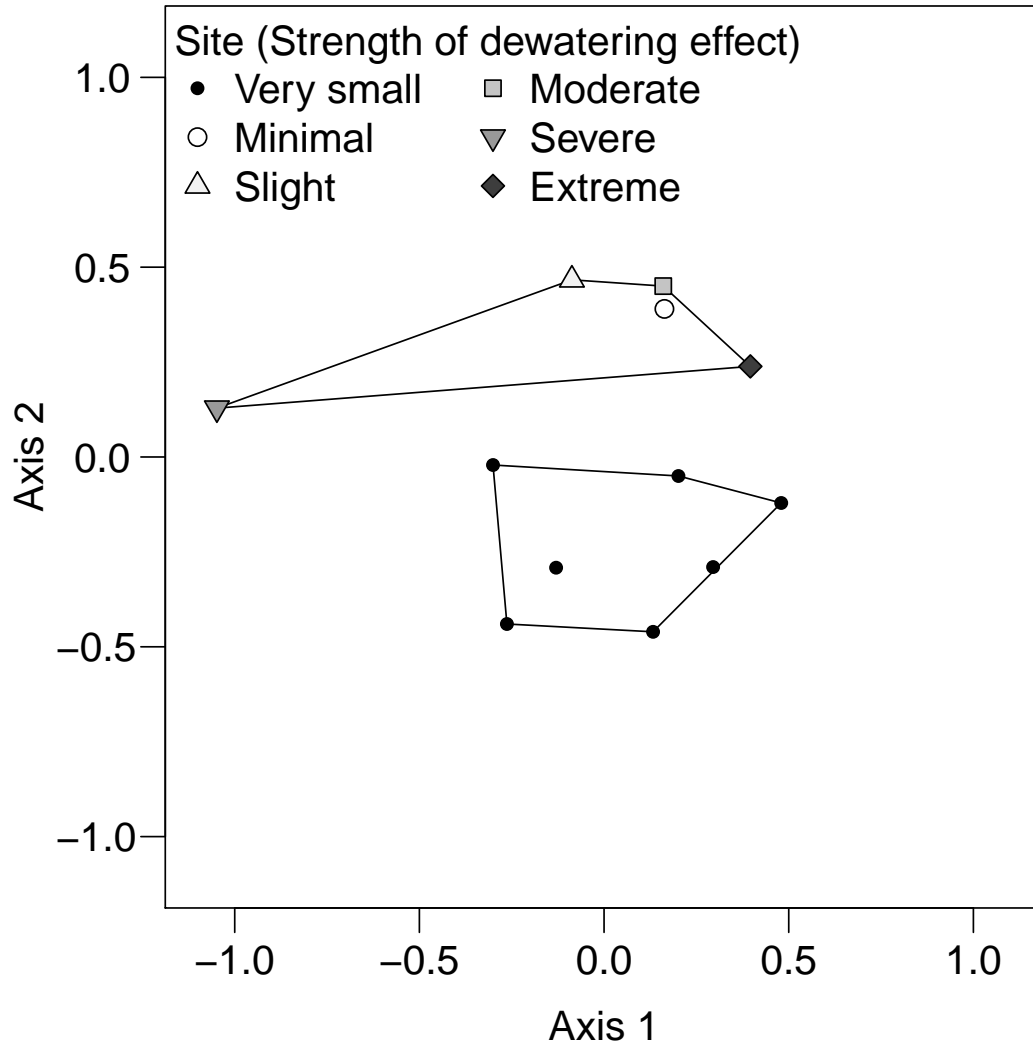


Fig. S1. Rationale for excluding the Very small dewatering effect site from the macroinvertebrate community analysis. Filled black circles represent samples taken at the Very small dewatering effect site over the course of the study (pre- to post-dewatering). Because this site was virtually unaffected by the dewatering, these samples should represent the range of variability at the site. Other shapes represent samples taken pre-dewatering at the other, more strongly dewatering-affected sites. These should represent the pre-dewatering, natural variability at the rest of the sites. Because these two polygons do not overlap at all and because of the hydrological disconnect present between the Very small dewatering effect site and the other sites (Fig. 1), the decision was made to leave the Very small dewatering effect site out of the macroinvertebrate community analysis in order to facilitate interpretation of patterns present at the other 5 sites.