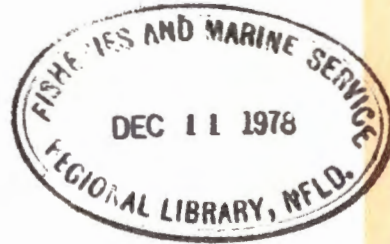


# Practical Sampling of Freshwater Macrozoobenthos: A Bibliography of Useful Texts, Reviews, and Recent Papers

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## ABSTRACT

Rosenberg, D. M. 1978. Practical sampling of freshwater macrozoobenthos: a bibliography of useful texts, reviews, and recent papers. Can. Fish. Mar. Serv. Tech. Rep. 790: iv + 15 p.

This bibliography is a practical guide to all phases of sampling for freshwater macrozoobenthos and includes references to reviews of sampling, sampling equipment and techniques and their comparisons, requisite numbers and size of samples, and sorting macrobenthos for identification. Approximately 500 references are listed, mostly in the decade 1967 to 1976.

Key words: benthos; benthos collecting devices; bibliographies; freshwater; samplers; sampling (biological).

## RESUME

Rosenberg, D. M. 1978. Practical sampling of freshwater macrozoobenthos: a bibliography of useful texts, reviews, and recent papers. Can. Fish. Mar. Serv. Tech. Rep. 790: iv + 15 p.

La présente bibliographie est un guide pratique de toutes les étapes de l'échantillonnage du macrozoobenthos d'eau douce et renvoie à environ 500 titres, la plupart publiés entre 1967 et 1976, traitant de l'échantillonnage, du matériel et des techniques d'échantillonnage et leur comparaison, de la grosseur requise des échantillons et de la classification du macrobenthos pour son identification.

Mots clés: benthos; échantillonneurs de benthos; bibliographies; eau douce; échantillonneurs; échantillonnage (biologique).

## INTRODUCTION

This bibliography is intended as a practical guide to the sampling of invertebrate macrofauna in benthic, freshwater habitats. Microfauna, meiofauna, zooplankton, and nekton are excluded although some overlap between these groups and benthic macrofauna is inevitable. The review of sampling of biting fly populations, itself a specialized field, is not intended to be complete. Inclusion of references to devices used in physical/chemical studies was arbitrarily based on the potential utility of these devices for sampling macrobenthos. A number of references to marine and estuarine sampling are included because they describe methods which may be useable or are already used in freshwater studies. For example, photographic methods, largely ignored in freshwater work [Except see Cummins (1962) under REVIEWS] are mainly marine. Only a few references are presented under PHOTOGRAPHY - as examples and as a guide to additional pertinent marine literature.

The bibliography of recent papers covers the decade from 1967 to 1976. Some references from 1977 and 1978 have also been included. Papers whose primary objective is to describe methods of sampling freshwater macrozoobenthos are emphasized although descriptions of new devices, new approaches to sampling, etc. within larger works are also included. References from primary journals are emphasized.

Most of the references come from my personal files, from CAN/OLE, NTIS, and ORBIT on- and off-line computer searches done by the Freshwater Institute, and from a retrospective search of BASIC done by BIOSIS in Philadelphia. I tried to examine each reference (or at least an abstract of it) for suitability before including it in the bibliography.

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