

Life history and economic importance of a burrowing mayfly, *Hexagenia limbata*, in southern Michigan lakes.

Institute for Fisheries Research, Michigan Dept. of Conservation cooperating with the University of Michigan. - The Nutritional Dynamics of the Burrowing Mayfly, *Hexagenia Limbata*



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Functional morphology of burrowing in the mayflies *Hexagenia limbata* and *Pentagenia vittigera*

In both size-classes the ingested material consisted primarily of fine inorganic particles, and of the organic gut material, over 90% consisted of detrital aggregates. When the normal day-night cycle of light was reversed with artificial light and darkness, the phases of the circadian rhythm in drift were also reversed. Revised Great Lakes Water Quality Agreement of 1978.

Functional morphology of burrowing in the mayflies *Hexagenia limbata* and *Pentagenia vittigera*

Biological survey of the St. Larvae of silt-inhabiting *Hexagenia limbata* were observed to be ploughers that displaced and compacted soft substrate in the excavation of an open tunnel.

Production of *Hexagenia limbata* nymphs in contaminated sediments in the Upper Great Lakes Connecting Channels

Center-Great Lakes, Ann Arbor, Michigan. Marys River quality investigations 1973—74.

Effect of Light Intensity on the Drift of Stream Invertebrates on JSTOR

Marys River between Lakes Superior and Huron were bimodal for each sampling period. Toxicity of upper connecting channels sediments to *Hexagenia* nymphs exposed under laboratory conditions.

Estimation of the Uptake of Organochlorines by the Mayfly *Hexagenia limbata* (Ephemeroptera: Ephemeridae)

Active predation, involving up to four seals, was observed during 56% of the time with average kill rates of 0. Differences in proportion and

armature of the head and appendages correlated with the different substrate types excavated.

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