

Ephemeroptera and Plecoptera (Insecta) from the Bulgarian Part of the Struma River

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Abstract: The composition and the species diversity of Ephemeroptera and Plecoptera orders in Struma - the biggest river in Southwest Bulgaria - are discussed in a contemporary aspect (1999-2000) and retrospectively for 2 periods - until 1975 and 1980-1984. In the past the Struma River was subjected to impact with suspended substances of industrial origin, which strongly suppressed the development of the zoobenthos. After removing the impact (1974-1975), the new ecological situation in the river allowed to be enriched considerably the mayfly and stonefly fauna in qualitative and quantitative aspects. In the period 1999-2000 totally 20 mayfly (3 new species for the fauna of the Struma River) and 4 stonefly taxa (2 new genera) were established. Their distribution along the river is discussed in terms of the contemporary saprobiological state of the river.

Key words: Ephemeroptera, Plecoptera, ecological state, Struma River, Southwest Bulgaria