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ICHTIOFAUNA DORZECZA MAŁEJ PANWI (DORZECZE ODRY)

**THE ICHTHYOFAUNA OF THE MAŁA PANEW RIVER
DRAINAGE BASIN (ODRA RIVER BASIN)**

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ABSTRACT

Fish distribution, dominance, density and biomass were studied in the Mała Panew drainage basin (mid-Odra River basin, SW Poland) located in a strongly urbanized and industrialized region of Poland. Twenty seven fish species were recorded from 11 rivers (52 sites). The ichthyofauna of the basin is quantitatively poor, dominated by small fish of no commercial or angling value (perch, roach and psammophiles: gudgeon, stone loach). The reason is a strong human impact manifested, first of all, by the river pollution and regulation. The fish fauna is also under a modifying influence of the dam reservoir „Turawa”, responsible for a considerable increase in the number of limnophilous species (pike-perch, bream, silver-bream, eel) in the total fish mass, the fishery management of the reservoir being also conducive to these changes. Although the reservoir disturbs the river continuum, it contributes to improvement in the quality of outflow water and, consequently, to an increase in biomass and diversity of fish species.