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**WIELKOŚĆ I LICZBA OFIAR RYB DRAPIEŻNYCH:
PRÓBA WYJAŚNIENIA PRZEZ SYMULACJE**

**SIZE AND NUMBER OF PREY IN PISCIVOROUS FISH:
A TRIAL OF EXPLANATION BY MEANS OF MODELS**

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ABSTRACT

Data on length and number of prey in five piscivores from the Vistula River are summarized. These data and findings by other authors allowed for constructing a simple deterministic model of prey size selection and another model which simulates predator's behaviour. In the simulation hunger, vision, chance of encounter of prey either singly or in groups, preference and escapement of prey are incorporated as factors influencing decisions of predators while foraging. The second model indicated prey size distributions and distributions of numbers of prey specimens in the guts of the piscivore population.