

## SUMMARY

### **Bat fauna of the Kotlina Żywiecka basin**

The Kotlina Żywiecka basin is situated in the western part of the Carpathians (southern Poland). Occurrence of bat species was investigated there in 1992-2003. Netting, ultrasound detectors and inspections of summer shelters were used. Altogether 11 species were recorded: *Rhinolophus hipposideros*, *Myotis nattereri*, *M. mystacinus*, *M. brandtii*, *M. daubentonii*, *Vespertilio murinus*, *Eptesicus nilssonii*, *Nyctalus noctula*, *N. leisleri*, *Plecotus auritus*, *P. austriacus*. The most numerously mist-netted were *M. daubentonii* and *M. brandtii* (Tab. 1). The main threats of bats in the Kotlina Żywiecka basin are lack of forests and urbanisation of river valleys.