

Seven species of macrophytes (*Sagittaria sagittifolia* L., *Sparganium erectum* L., *Typha angustifolia* L., *Butomus umbellatus* L., *Bolboschoenus maritimus* (L.) Palla, *Eleocharis palustris* (L.) R. Br., *Glyceria arundinacea* Kunth) were detected in Medvedica river, live tissues of which are populated by chironomids larvae. The most populated macrophyte is *Sagittaria sagittifolia* - 2298,65 ex/kg. From seven examined species of chironomids maximal quantity in macrophyte tissue is characteristic for *Endochironomus stendens* 2164 ex/kg, the second on quantity is *Glyptotendipes mancurianus* - 1119,3 ex/kg.