

## SUMMARY

### **Chosen morphological features of *Rubus chamaemorus* L. from a relic station in the Western Carpathians in comparison with other European populations**

*Rubus chamaemorus* L. is an arctic-boreal species of circumboreal range (Fig. 1). In Poland it occurs in northern part of the country in Warmia and Mazury and Pomerania, as well as in southern Poland in Karkonosze Mts. Recently, one isolated station was found in the Western Carpathians, on the Puścizna Wielka bog (Orawsko-Nowotarska Basin). This is the southernmost presently existing European locality of the species.

Length and width of *Rubus chamaemorus* L. leaves from Carpathian locality compared with parallel data from herbarium specimens coming from other populations showed some regularities. Specimens from populations situated on the southern border of the range have the biggest leaves (Fig. 2). Significantly smaller are leaves of the specimens coming from central and northern part of the dense range. Size of leaves of the Carpathian population is the smallest. Complete lack of generative individuals is the second prove of unfavorable conditions for *Rubus chamaemorus* L. in this locality.

*Rubus chamaemorus* L. develops the best in localities situated in the southern part of its range. The more north and south the more development is difficult. The worst condition shows the Carpathian population.