

SUMMARY

Endangered locality of siberian ligularia *Ligularia sibirica* (L.) Cass. **in the Bagno Serebryskie nature reserve near Chełm**

The siberian ligularia is one of rarest plants in the Polish flora. In the Polish Red Data Book of Plants it is classified to the critically endangered species. Actually it is known only from four localities. One of them was found in the Bagno Serebryskie nature reserve in September 1997. The reserve (376.62 ha, 2.5 km to the Nord of Chełm) includes calcareous bog with such rare communities as *Cladietum marisci* (175 ha), *Caricetum buxbaumii*, *C. davallianae*, *C. distichae*, *Schoenetum ferruginei*.

In 1997 altogether 13 small tussocks of flowering *Ligularia sibirica* and 11 vegetative sprouts were found in *Filipendulo-Geranietum* community. In 1998 only 6 tussocks of flowering plants and 15 vegetative sprouts were noted. During next control in September 2001 the number of 43 small tussocks (9 flowering) of Siberian Ligularia were found. In the same year the accompanying plants were cleaned off, mainly the sprouts of *Molinia caerulea* and *Phragmites communis*. Next year the local population of *Ligularia sibirica* was composed of 12 vegetative sprouts. But two years after care operation the number of sprouts distinctly increased. In 2003 altogether 20 tussocks (7 flowering) and 60 seedlings were noted.

In fact, protection of this species is very difficult. Beside care operations the main problem is keeping the proper moisture of habitat.