

SUMMARY

Jermaczek M. New site of the *Trollius europaeus* L. in the Pliszka river valley in the Łagowski Landscape Park (W Poland).

Chrońmy Przyrodę Ojczyzną **63** (5): 46–50, 2007.

Globe-flower *Trollius europaeus* is a protected species in Poland. The species is considered as vulnerable in the Wielkopolska region and as endangered in adjacent Brandenburg, Germany. There are three published sites of *T. europaeus* in the Pojezierze Lubuskie lakeland, but on two of them it probably does not occur anymore as its presence was not confirmed in 2006. The main reason of extinction of *T. europaeus* at above mentioned sites is the change of meadow cultivation practices towards application of more fertilizers and herbicides and more frequent mowing, and illegal replanting this species to private gardens.

In May 2006 a new site of *T. europaeus* was found in the Pojezierze Lubuskie. The site (52°19'35" N, 15°14'25" E) is situated about 3 km south-west from Łagów Lubuski on a meadow which has not been cultivated for more than ten years. The water conditions have lately been changed by peat extraction. The plant association dominated by *Phragmites australis*, *Filipendula ulmaria*, *Carex acutiformis* and *Urtica dioica* with abundant *Cirsium oleraceum*, *Geum rivale* and *Polygonum bistorta* may be classified to the *Calthion* alliance. The population of *T. europaeus* consisted of 18 clusters and covered an area of 160 m². Owing to relatively fast process of Globe-flower extinction in the Pojezierze Lubuskie, the conservation of new site in the Pliszka river valley is necessary, especially stopping the succession (expansion of reeds and willow bush) and prevent draining initiated by peat extraction.