

SUMMARY

Plackowski R. A new locality of *Dianthus superbis* L. near Gorzkowice in central Poland.

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New locality of this threatened and protected in Poland species was discovered in 1991 and observed till 2005. Superb pink occurred in a 1-ha *Molinia*-meadow south of Gorzkowice (51°12'25" N, 19°35'10" E). The population of *Dianthus superbis* was distributed in small clumps and occupied an area of 150 m². More detailed study of plant community composition was carried out on the 20-m² patch according to the Braun-Blanquet method. *D. superbis* covered 10% of this area on 27 July 2005. The accompanying species were *Molinia caerulea* (25%), *Galium verum* (25%), *Deschampsia flexuosa* (5%), *Peucedanum palustre* (<5%), and *Succisa pratensis* (<5%). Selected soil characteristics were measured: pH 5.4 (H₂O), CaO concentration <1%, C:N ratio 12.5.