

## SUMMARY

**Jasnowska J., Wróbel M., Jurzyk S. The importance of water table monitoring in protected peat bogs on example of the “Rosiczki Mirosławskie” nature reserve in Western Pomerania (NW Poland). *Chrońmy Przyrodę Ojczystą* 63 (5): 19–33, 2007.**

The aim of conservation in the “Rosiczki Mirosławskie” reserve is preservation of a raised bog of lacustrine origin with rich flora of bryophytes, numerous populations of sundews *Drosera intermedia* and *D. rotundifolia*, other protected, endangered and rare peatbog plant species as well as natural habitats included in the Council Directive 92/43/EEC and protected in European network Nature 2000. A significant raise of water level took place during last 20 years which effected in considerable change in plant community composition. On the other hand, a contrary trend in water conditions due to contemporary climatic changes is very probable. Therefore, a systematic monitoring of water regime and related habitat conditions should be obligatory in peat bog reserves, particularly in those under strict protection. In the “Rosiczki Mirosławskie” nature reserve the levels of ground and surface water at selected measuring points should be recorded 4 times a year (in March, June, August, and November). Proposed monitoring seem enough to early detect possible fall of water table and take activities necessary to increase inflow from surrounding area to prevent deterioration of habitat quality in protected bog.