

DATA ON TWO NEW MARSHES "MLAȘTINILE SECI" AND 82N MARSH FROM SITE NATURA 2000 GUTÂI-CREASTA COCOȘULUI, GUTÂI MOUNTAINS (MARAMUREȘ, ROMÂNIA)

Vasile Timur CHIȘ

ABSTRACT. This paper is a description of two new oligotrophic marshes of Gutâi Mountains. These oligotrophic marshes are found in Site Natura 2000 Gutâi-Creasta Cocoșului (RO CSI 0089), under the Gutâiul Mic Peak 1392m (The Three Apostoles, The Armenian Stones), in the middle of beech tree forests (*Fagus silvatica*). The wetlands formed in depressions resulting from landslides which are now stabilized. The "Mlaștinile seci" marsh (Poiana Meselău) (Chiș V. T., 2007) lies in the production unit III, Mara Forest Administration, arranging unity 81N, at an altitude of 1170 m, exp.E, and has a surface of 2,7ha. The marsh is protruding and in the centre you can see the traces of a former lake almost clogged, where there are small water meshes. The swamp is cut in two by a stream that passes close by the middle of it. The second marsh lies at about 200m in the arranging unit 82N at an altitude of 1160m, and has a surface of 0,4ha. Following the researches conducted we identified 26 plant species in the two marshes. The "Mlaștinile seci" marsh is an oligotrophic peat bog with *Carex limosa* (cod R5408), in the central area, fact for which has a very big conservative role. Due to the high conservative value of the "Mlaștinile seci" marshes, I propose that this area should be strictly protected in the Site Natura 2000 Gutâi-Creasta Cocoșului. In the Habitats Directive and the Government Law no. 57/20.06.2007, this area corresponds to community interest habitat whose conservation requires the denomination by Special Areas of Conservation, code 7140 - Transition marshes and quaking bogs.

Keywords: Romania, Maramureș, Gutâi Mountains, oligotrophic marshes, plants



Munții Gutâi (Vf. Gutâiul Mic 1392m (Cei trei Apostoli, Pietrele Armenilor)
 Vf. Gutâi 1443m - Creasta Cocoșului)

INTRODUCTION

Site Natura 2000 Gutâi-Creasta Cocoşului (RO CSI 0089) lies in the Gutâi, Mountains, Eastern Carpathians and comprises the main ridge of the Gutâi Massive, the abrupt and a small area of the piedmont, and as protected areas it comprises Rezervation Creasta Cocoşului (50ha), Rezervation, Lacul Morărenilor (20ha) si Rezervation Taurile Chendroaiei (2,46ha), the site having a surface of 693 Ha.

The highest point is the Gutâi peak, alt. 1443 m., and the lowest point, the area with the Morăreni Marshes, cca. 838m.

Following the field research in 2009 there were identified two oligotrophic marshes, new of which

nothing was written in the profile literature.

These oligotrophic marshes are found in Site Natura 2000 Gutâi-Creasta Cocoşului, under the Gutâiul Mic Peak 1392m (The Three Apostoles, The Armenian Stones), in the middle of beech tree forests (*Fagus silvatica*).

The wetlands formed in depressions resulting from landslides which are now stabilized.

The “Mlaştinile seci” marsh (Poiana Meselău) (Chiş V. T., 2007) lies in the production unit III, Mara Forest Administration, arranging unity 81N, at an altitude of 1170 m, exp.E, and has a surface of 2,7ha. The marsh is protruding and in the centre you can see the traces of a former lake almost clogged, where there are small water meshes.



The swamp is cut in two by a stream that passes close by the middle of it.



The lagg-ul of the marsh has a width of 2-4 m, and in summer it dries sometimes.



Administrative it belongs to the Budeşti locality and it lies on the physical block 107519-2333 (www.apia.org.ro) having the following coordinates 415546/688024 (STERIO).

The second marsh lies at about 200m in the arranging unit 82N at an altitude of 1160m, and has a surface of 0,4ha. Administrative it belongs to the Budeşti locality and it lies on the physical block 107519-2451 (www.apia.org.ro), having the following coordinates 415451/688388 (STERIO).

MATERIALS AND METHODS

Plants were determined on the field and some species were determined by Béres Marta.

RESULTS AND DISCUSSIONS

The conducted research has led to the identification of the following species of plants.

In marsh 82N there were identified the following species of plants: **ground moss** (*Polytrichum sp.*), **peatbog moss** (*Sphagnum sp.*), huckleberry (*Vaccinium*

myrtillus L.), sedge (*Carex vesicaria* L., *Carex riparia* Curtis, *Carex hirta* L.).

In the "Mlaștinile Seci" Marshes, there were identified the following species of plants: **ground moss** (*Polytrichum* sp.), **ground moss** (*Polytrichum commune* Hedw.), **peatbog moss** (*Sphagnum* sp.), **round-leaved sundew** (*Drosera rotundifolia* L.), **Sheathed Cottonsedge** (*Eriophorum vaginatum* L.), **lingonberry** (*Vaccinium vitis-idaea* L.), black huckleberry (*Vaccinium myrtillus* L.), Small Cranberry (*Vaccinium oxycoccus* ssp. *microcarpum* sin. *Oxycoccus microcarpus* Turcz. ex Rupr.), *Oxycoccus palustris* Perss., *Nardus stricta* L., *Carex limosa* L., *Carex rostrata* Stokes, *Molinia caerulea* (L.) Moench., *Potentilla erecta* (L.) Răusch., *Epilobium palustre* L., *Juncus effusus* L., *Juncus effusus* var. *compactus* Lej et Court., *Galium palustre* L. ssp. *palustre*, *Poa trivialis* L., *Andromeda polifolia* L., *Scheuchzeria palustris*, *Luzula pallescens* Swartz., *Lycopodium selago* L., *Lycopodium inundatum* L. (*Lepidotus inundata* (L.) C. Börner).

CONCLUSIONS

The research conducted in this area has lead to the identification of 26 species of plants.

The fauna identified consists of the field sand lizard (*Lacerta agilis*).

The "Mlaștinile seci" marshes is an oligotrophic marsh (peatbog) with *Carex limosa* (cod R5408), in the central area, fact for which has a high conservative value. In România the surface of this type of habitat is estimated to 100-200ha (Doniță N., ..., 2005).

In the Habitats Directive and The Government Law no.57/20.06.2007, this area is considered habitat of communitary interest whose conservation requires the naming by The Special Areas of Conservation, code 7140 - Transition marshes and quaking bogs.

Due to the high conservative value of the "Mlaștinile Seci" Marshes, I propose that this area should be strictly protected within the **Site Natura 2000 Gutâi-Creasta Cocoșului**.

REFERENCES

- Chiș V. T., 2007 - Zone umede din Țara Maramureșului, Sighetu Marmăției
- Pop E., 1960 - Mlaștinile de turbă din Republica Populară Română, Editura Academiei, București
- Doniță N., Popescu A., Comănescu M. P., Mihăilescu S., Biriș I. A., 2005, - Habitatele din Romania, Editura Tehnică Silvică, București
- *** Amenajamentul Ocolului Silvic Mara
- *** www.apia.org.ro (Agenția de Plați și Intervenție pentru Agricultură)
- *** Directiva Consiliului Europei 92/43EEC, Directiva Habitatare
- *** Ordonanța de urgență nr. 57/20 iunie 2007 privind regimul ariilor naturale protejate, conservarea habitatelor naturale, a florei și faunei sălbatice

