THE “ROZHDESTVENSKY MOKH” RAISED BOG: PAST AND FUTURE (LENINGRAD REGION, RUSSIA)

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The “**Rozhdestvensky Mokh**” raised bog is situated about 70 km to the south from St. Petersburg city on the watershed of the Oredezh and Divenka Rivers.
The average depth of peat deposits is 3,3 m, maximum – 6,6 m.

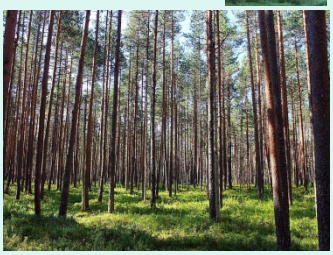
Drainage ditches were made in between 1960 and 1976. Thus, the raised bog is suffering after drainage during last 40-50 years. This was proved by pine coring samples. A catalogue of peat deposits of the Leningrad region (1980) includes the information that peat can be used as fuel. We think that intensive drainage as done as a preparation for future peat extraction.

We experienced the difficulties to traverse the bog as ditches were made every 100 m.

Scheme of drainage net

the 1st stage of drainage

2nd stage of drainage



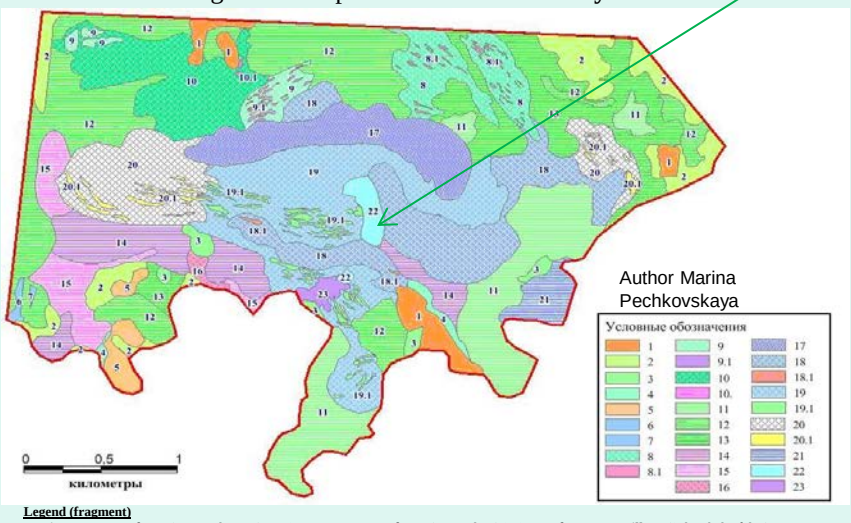
3rd stage of drainage

In spite of dramatic man-made disturbances the “**Rozhdestvensky Mokh**” raised bog preserves the typical floristic features of the southern boreal raised bogs situated close to the Atlantics.

Calluna vulgaris occurs on bog hummocks formed by *Sphagnum magellanicum*; *Rhynchospora alba* and *Sphagnum cuspidatum* grow in bog hollows. *Sphagnum rubellum* can be found in the better preserved parts in the bog center.

The Rozhdestveno Memorial Estate:
Inherited by **Vladimir Nabokov** in 1916

Vegetation map of the **Rozhdestvensky Mokh**



The Defense (1930)
The Real Life of Sebastian Knight (1941)
Lolita (1955)
Pale Fire (1962)
Speak, Memory (1936–1966)

Legend (fragment)

1. ***Pine green moss forest*** *(Pinus sylvestris)*; 2. ***Spruce green moss forest*** *(Picea abies)* 3. ***Spruce forests;*** 4. ***Willows*** *(Salix phylicifolia)*; 5. **Overgrowing clear cuts** 6. Mesotrophic ***birch mire*** 7. Mesotrophic ***pine mire***

8-10.1 **Oligotrophic *hummock-hollow complex*** with *Pinus sylvestris f. uliginosa* **(h=5-8 m);** 11-13 ***Pine bog;*** 14-15 ***bog with sparse pine trees;***

16 ***open bog;*** **17** ***pine bog*** *Pinus sylvestris f. willkommi* **(h=2-3 m);**
18-20.1 hummock-hollow bog complexes *Pinus sylvestris f. willkommi* (h=2-3 m); 21 **pine bog** 22 ***hummock-hollow bog with Pinus sylvestris f. Litwinowii* (h=3-5 m);** 23 **bog woodland**