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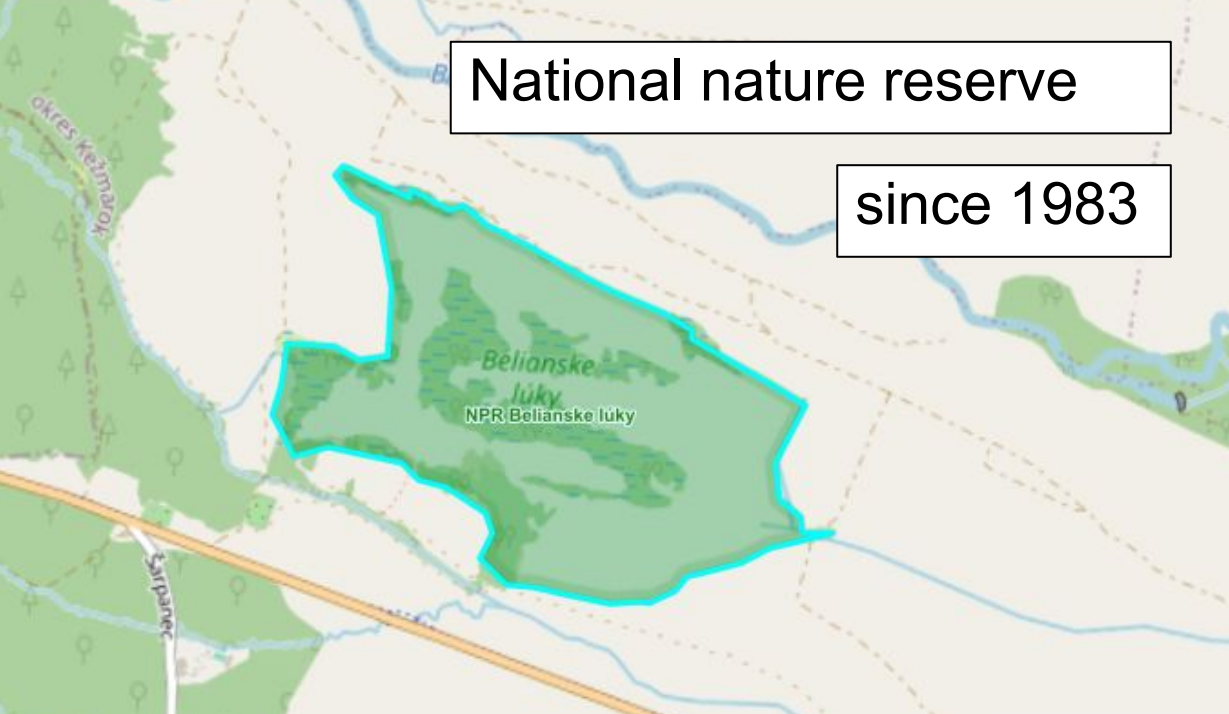
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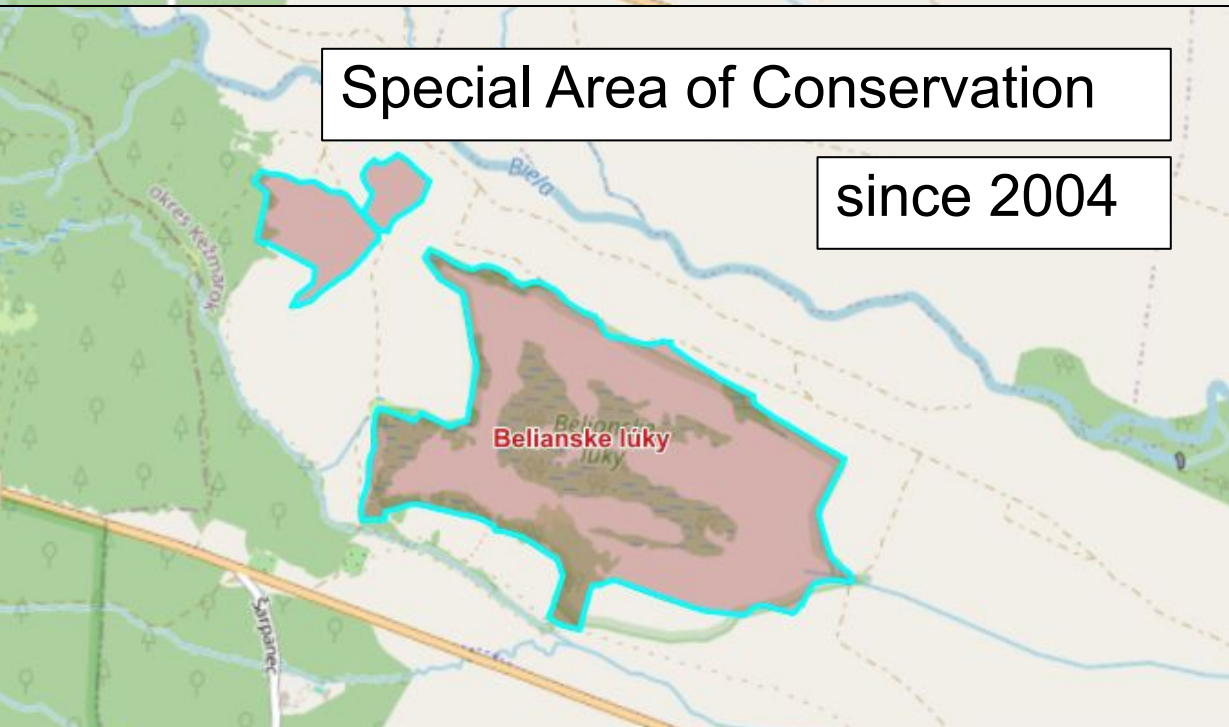
Belianske lúky – Special Area of Conservation

Mgr. Lenka Zábojníková

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SKUEV0144



Highly vulnerable site,
charged by the groundwater

The largest intact
fen of Slovakia

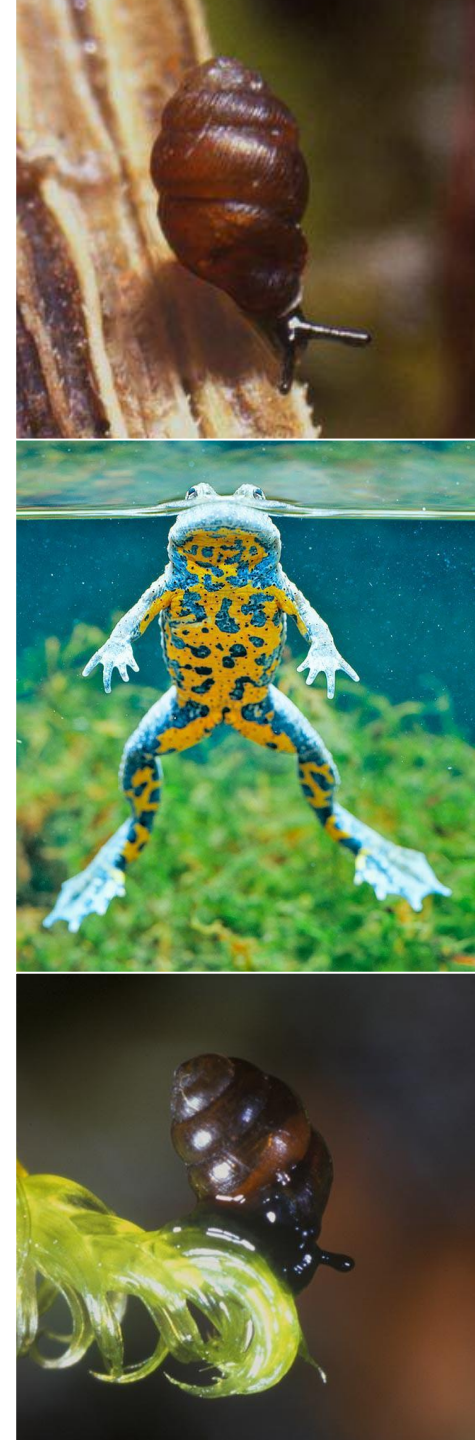
High content
of carbonates
in the water

Species subject to
protection: *Bombina*
variegata, *Vertigo angustior*,
Vertigo geyeri

Several
smaller and
larger
springs
supporting
the fen

Communities are vitally
dependent on water level -
decline in water level will
result in the increased rate
of seral processes

Fen sections with
the highest water
table feature small
ponds with unique
relic floral
composition



Habitats subject to protection

- 3160 - Natural dystrophic lakes and ponds
- 6410 - *Molinia* meadows on calcareous, peaty or clayey-silt-laden soils (*Molinion caeruleae*)
- 6430 - Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels
- 7140 – Transition mires and quaking bogs
- 7230 – Alkaline fens





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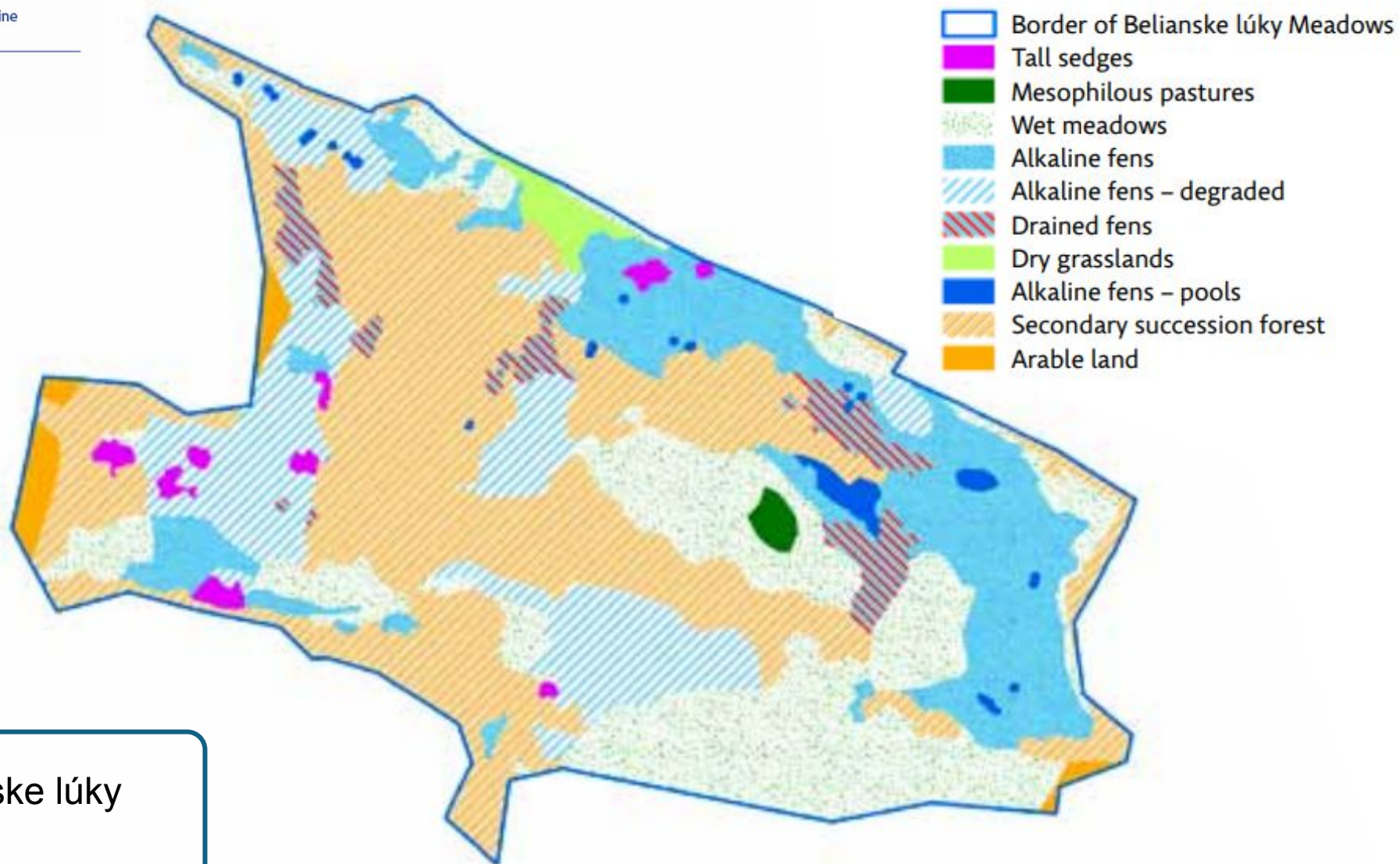


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Habitat map of Belianske lúky
(2004)

History of land-use



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- deforested at the 4-5th century
- mown and grazed in medieval times
- since 13th century – artificial change of watercourses
- 19th century – used by several small farmers

- after the World War II - no grazing
- 1970's mown irregularly
- attempts of drainage and desiccation
- 1983 declaration of the reserve
- abandonment, secondary succession

Secondary succession



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5 Calcareous spring fen Belianske lúky Meadows; the largest spring fen in North Western Europe

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Introduction

The calcareous spring fen Belianske lúky Meadows is the largest and best preserved spring-fed fen in Slovakia. The presence of many rare plant species, and plant communi-

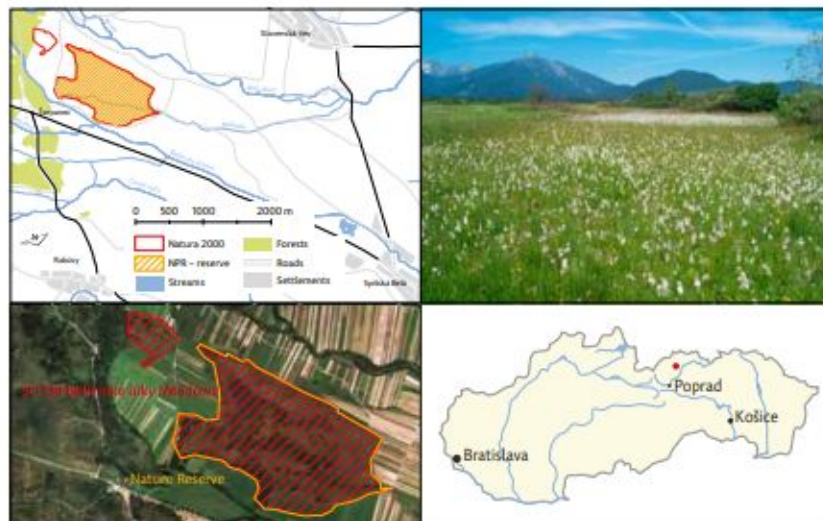


Figure 1: Location of the Special area of Conservation Belianske lúky Meadows. Digital ortophoto 2000 © EUROSENSE s.r.o., www.eurosense.sk. Compiled by © Administration of the Tatra National Park 2010; Site photo by Ab Grootjans.



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CALCAREOUS MIRES OF SLOVAKIA

landscape setting, management and restoration prospects

Editors: Ab Grootjans, Viera Šefferová Stanová, André Jansen



Educational trail needs to be reconstructed





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