

Sustainability, development and security in landscape field practice

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Uherčice

Starovice

HUSTOPEČE

Popice

Strachotín

420

vod. nádrž
Nové Mlýny II.

Sakvice

Dolní
Věstonice

Horní
Věstonice

vod. nádrž
Nové Mlýny III.

Děrnky

Děvin

420

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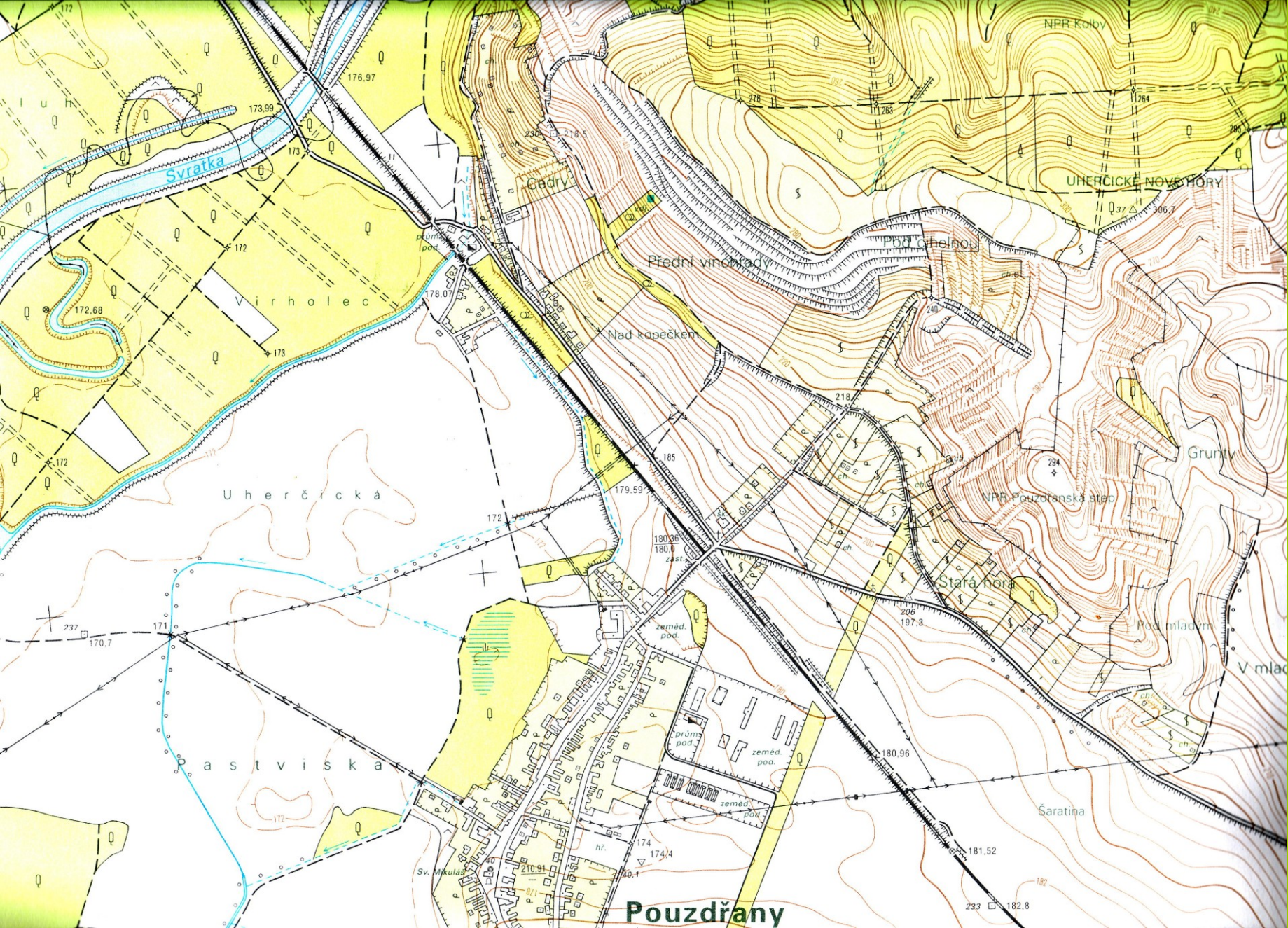
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Pouzdrany

Pouzdranský
rybník

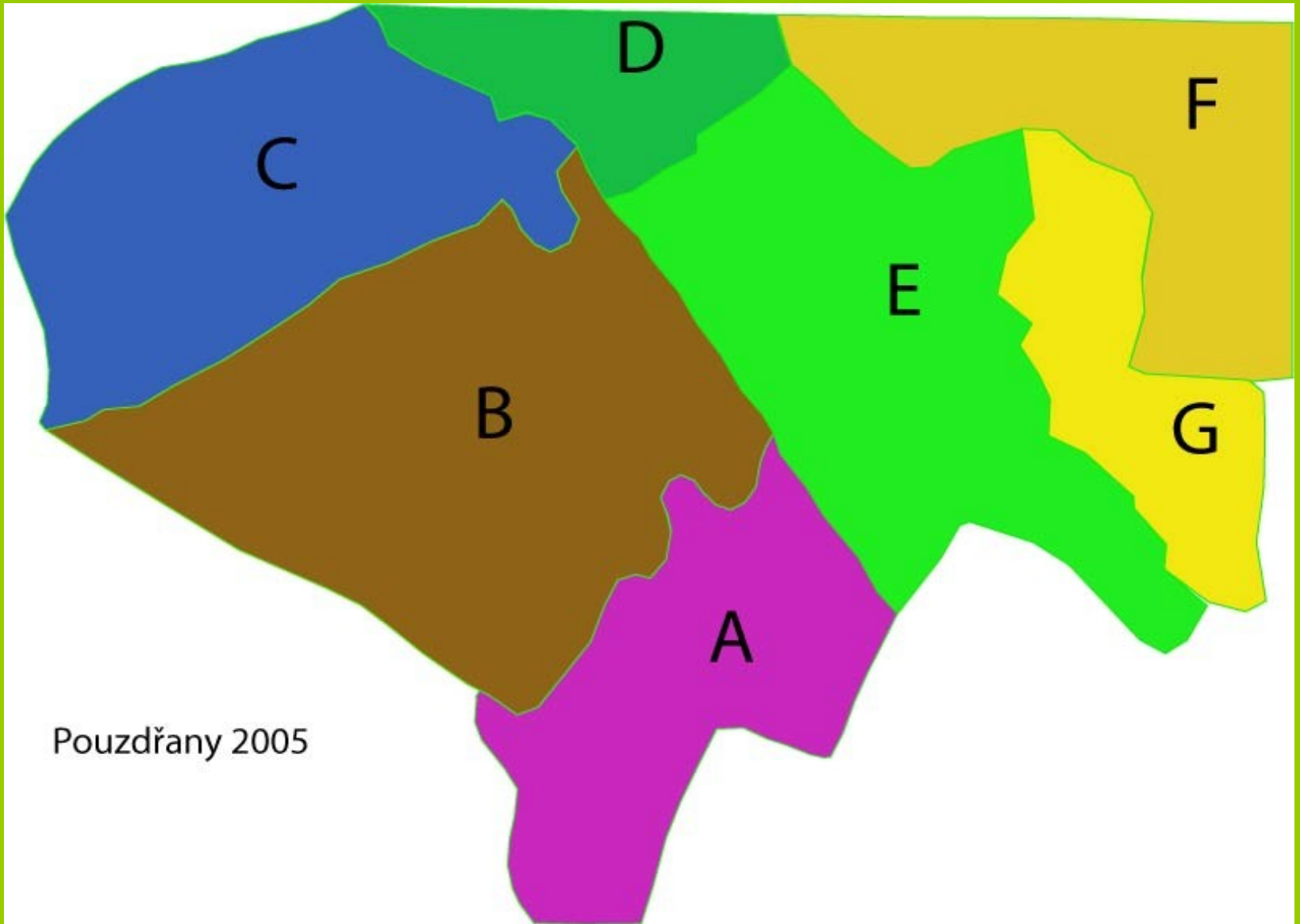
Dřemotický potok

Zaječ



Pouzdřany





1. Representation of landscape reality in:

- ✓ **maps, information systems, symbols, icons, visions, metaphors, mass media,**
 - ✓ **art - prose and poetry, painting, music...**
 - ✓ **land cover, land use at thematic map – spatial pattern of landscape**
 - ✓ **information sources, geographical data – official, non-official, imaginative,**
 - ✓ **computer cartography, GIS**
- understanding and explaining the landscape**



Pausram. (Pausram) 3/2. 1910

Nachdruck verboten.



2. Landscape immediate reality in the fieldwork

- ✓ authentic landscape/environmental perception**
- ✓ survey, field observing, key points description, landscape transects**
- ✓ talking to people, participating, ethnographies**
- ✓ landscape policy - planning, strategies, programmes, projects**
- ✓ practicing landscape studies - urban, suburban, subrural, rural issues**



3. Landscape spatial pattern/spatiality

- ✓ **physical components sandwich (abiotic, biotized, biotic,)**
- ✓ **physical/cultural palimpsest (anthropogenic)**
- ✓ **recent human/nature interactions - physical components as resources**
- ✓ **processes shaping the landscape, the role of technologies**



4. Land cover, land use

- ✓ functional spatial segments and their owners and users**
- ✓ applied technologies and human activities in agriculture, manufacture, engineering, transportation, services, housing, recreation, water management, waste management**
- ✓ energy production, transmission and consumption**
- ✓ incorporation into economic and social systems – human resources**



5. Landscape ecosystems

- ✓ **eluvial, transeluvial, transaccumulative, transaquatic, aquatic**
- ✓ **cultural ecosystems pattern, natural/technological systems, infrastructure**
- ✓ **physical structure – matter/energy vertical and horizontal flows**
- ✓ **human activities changing physical landscape to cultural, landscape heritage**
- ✓ **vulnerability and resilience, diversity and biodiversity**



6. Natural capital of landscape ecosystems

- ✓ goods and services in the frame of production-distribution-exchange-consumption**
- ✓ owners and users: assets, stock, yield, income**
- ✓ labour and finance - inside/outside flows**
- ✓ social reproduction**



7.Landscape as a part of human environment

- ✓ perception and imagination, mental maps**
- ✓ pollution, waste production and management**
- ✓ natural disasters/hazards, risks and security**
- ✓ environmental management and infrastructure**
- ✓ protected areas**



8. Detailed physical components and processes analysis

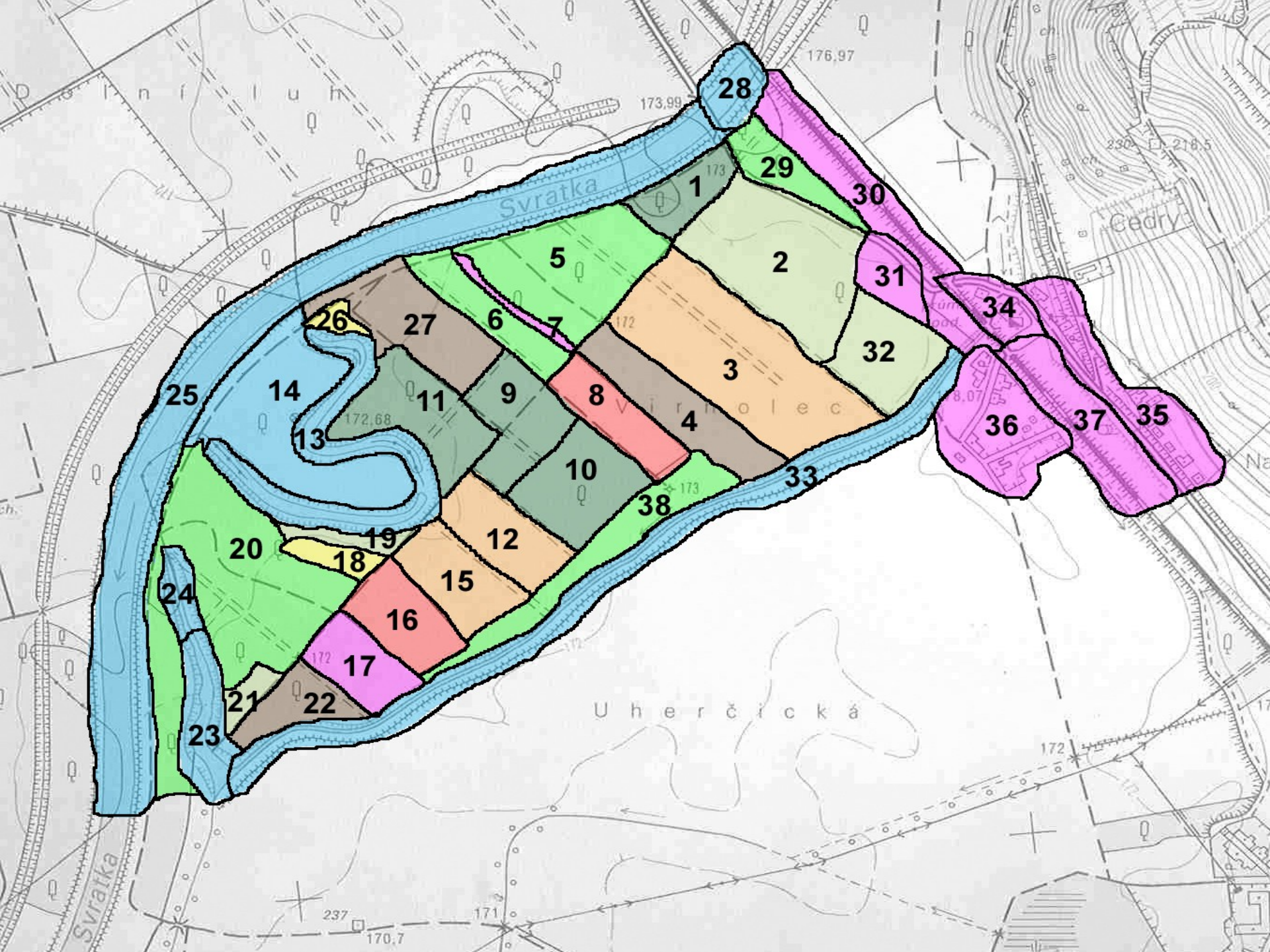
- ✓ landforms as products and factors on rocks, regolith and slope sediments, anthropogenic landforms**
- ✓ topoclimate - aspect, local circulation**
- ✓ hydricity (hydrocycle)**
- ✓ soil cover structure**
- ✓ vegetation cover – potential/reconstructed and actual phyto(bio)cenoses**







0 252m



Svratka

Cedry

Uherčická

Svratka

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176.97

173.99

173

172

173

172.68

237

171

170.7

172

230

218.5

17



9.Social construction of landscape

- ✓ material and cultural approaches**
- ✓ physical/human resources**
- ✓ analysis and interpretation**
- ✓ evaluation and design**
- ✓ plans, strategies, programmes, projects**
- ✓ social framings**







10. Landscape sustainability- soft, or hard?

- ✓ symbiosis/conflicts of nature and technology
- ✓ ecological/environmental infrastructure, land use regimes
- ✓ land use temporal changes, revitalization vs. deterioration
- ✓ local/regional/landscape interface
- ✓ development – pros and cons
- ✓ processes and responses caused by (non)usage
- ✓ landscape as a part of production, reproduction and consumption
- ✓ proposals of landscape modifications towards sustainability



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