

Source:
 - Geological structure
 Anton Biely, Vladimír Bezák, Michal Elečko, Pavel Gross,
 Michal Kaličiak, Vlastimil Konečný, Jaroslav Lexa, Ján Mello,
 Ján Nemčok, Milan Polák, Michal Potfaj, Miloš Rakús,
 Dionýz Vass, Jozef Vozár, Anna Vozárová
Atlas krajiny Slovenskej Republiky; scale M = 1:500.000



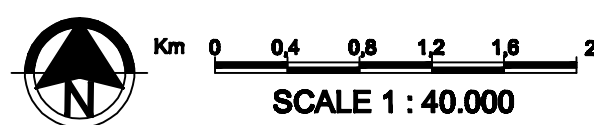
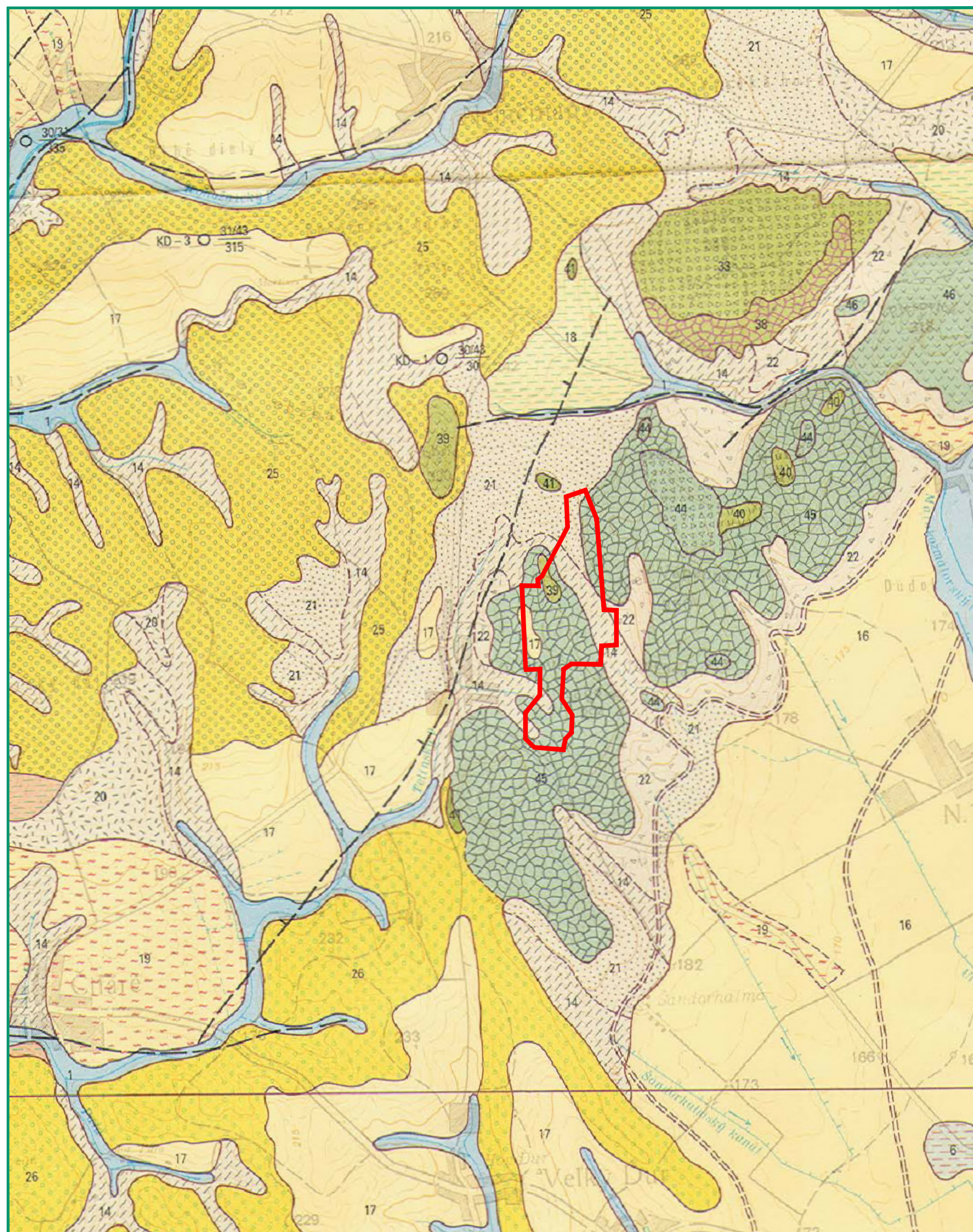
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ENVIRONMENTAL FRAMEWORK

Geology and seismicity

Date: July 2009
 Rev.: 0
 Scale: 1:500.000





Source:
 - Section of the map:
 Geological map of the NE part of the Danubian lowlands
 J. Harčár, Z. Priechodská, GÚDŠ, 1985 - scale M = 1:50.000

LEGEND

Mochovce NPP

Fluvial sediment

Clayey to sandy loams

Diluvia-fluvial sediments

Sandy to clayey loams, sands (Quaternary unitary)

Loess (wurm)

Loess (Pleistocene unitary)

Loess loams (solid pleistocene)

Eolian-diluvium sediments

Displaced loess (wurm- Holocene)

QUATERNARY UNITARY

Diluvium sediments

Predominantly clayey

Predominantly clayey-sandy to sand

Predominantly clayey-stony

DAK - VOLCANIC STRATA

Gravel and sand with sandy loams

Gravels and sand with dust and sandy sloams

Pumiceous ash rock

Pyroxene andesite and other agglomerates

Small-grained pyroxene andesite, unspecific veinstone intersection

Tuffaceous pellets with sandstone and tuffaceous gravels to conglomerates (lower Sarmatian - Vrabie strata)

BADEN-SARMATIAN

Agglomerates to hyaloclastite breccias } Cifár andesite

Lava breccias

Silicified red andesite

ENVIRONMENTAL FRAMEWORK Geology

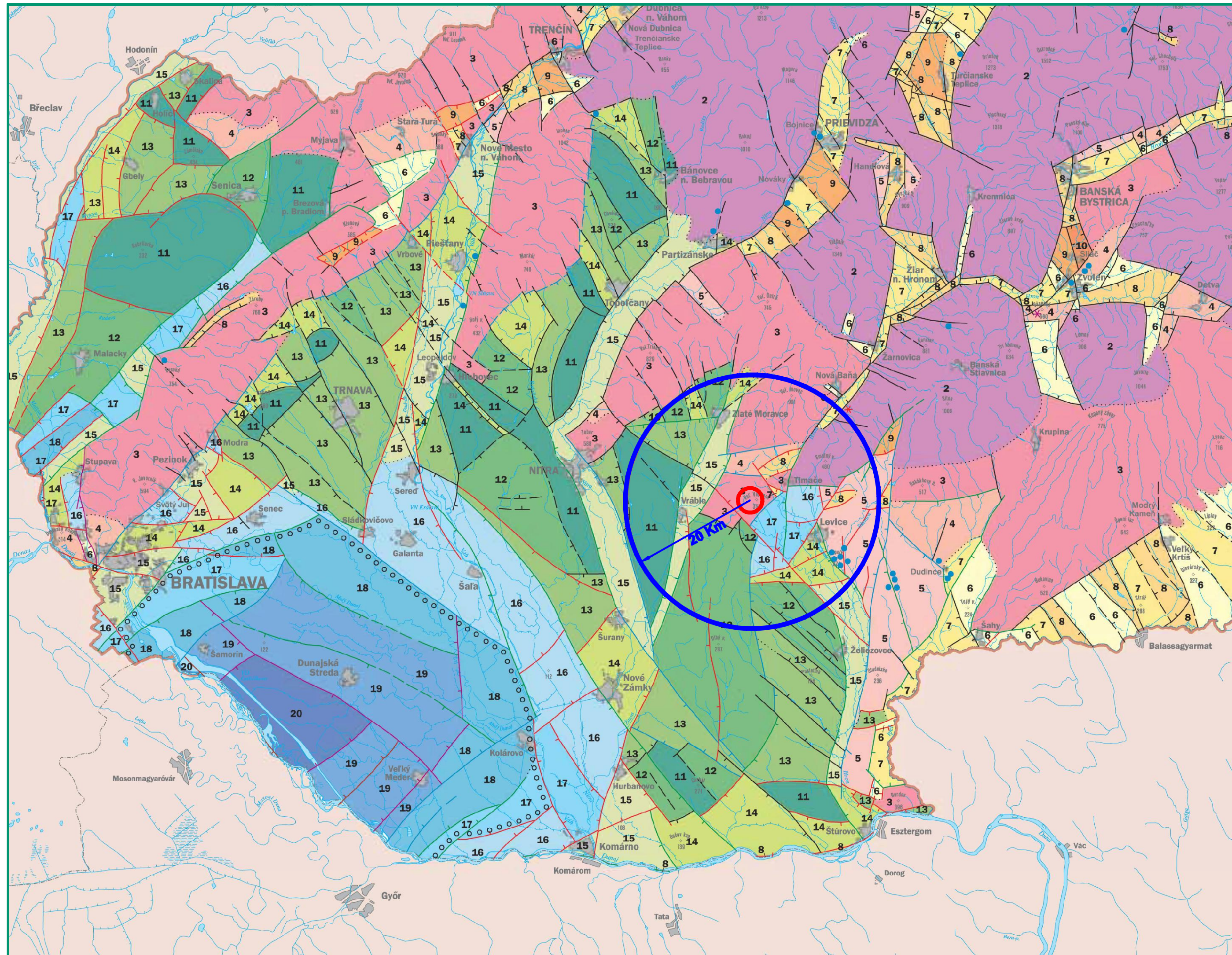
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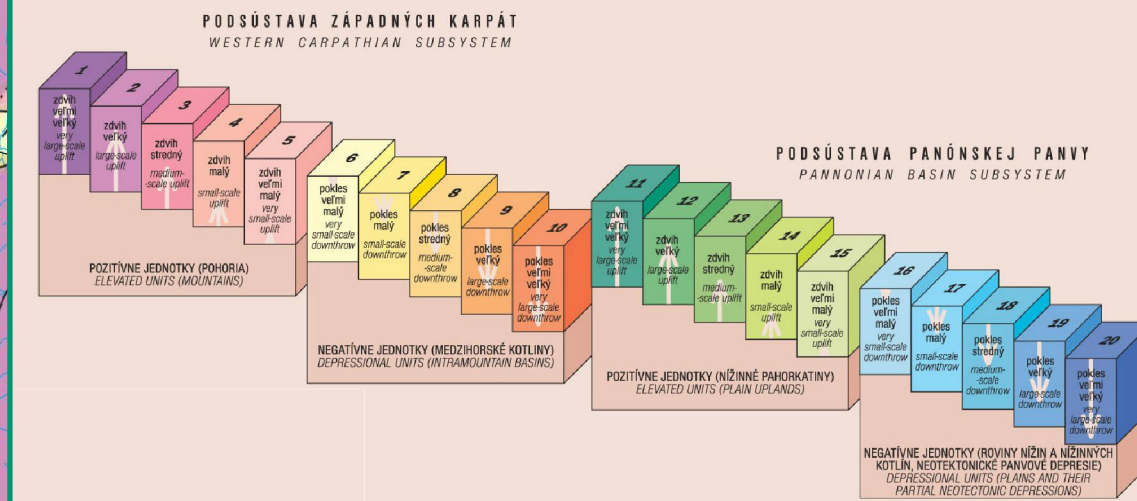
SLOVENSKÉ
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Enel

Golder
 Associates



Relatívne vertikálne pohybové tendencie tektonických blokov
Relative vertical movement trends of tectonic blocks



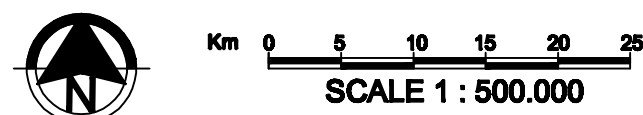
LEGEND

Mochovce NPP

Vek tektonickej aktivity
Age of tectonic activity

Zlomové línie a pliocénno-pleistocénne vulkanické centrá
Fault lines and Pliocene to Pleistocene volcanic centres

- stredný, vrchný pleistocén až holocén
Middle, Late Pleistocene to Holocene
- spodný pleistocén
Early Pleistocene
- pleistocén vcelku
Pleistocene unspecified
- kvartér vcelku
Quaternary unspecified
- vrchný pliocén - kvartér
Late Pleistocene - Quaternary
- vrchný pliocén
Late Pliocene
- zlomy zistené:
a) bez označenia sklonu, b) s označením sklonu
faults observed: a) without fault dip, b) with fault dip
- zlomy predpokladané:
a) bez označenia sklonu, b) s označením sklonu
faults assumed: a) without fault dip, b) with fault dip
- neotektonické klenby
neotectonic domes
- neotektonický panvový pokles (gabčíkovská panva)
neotectonic basin downthrow (Gabčíkovo Basin)
- geologické hranice
geological boundaries
- Spravidelné prejavy neotektonickej aktivity**
Accompanying manifestations of neotectonic activity
- travertíny a penovce
travertines and calcareous tuffa
- vulkanické centrá (pliocén - pleistocén):
a) efúzívne a extrúzívne, b) explozívne (maary)
volcanic centres (Pliocene to Pleistocene): a) effusive and extrusive, b) explosive (maars)



Source:
- Neotectonic structure
Juraj Maglay, Rudolf Halouzka, Vladimír Banacký, Jan Pristaš, Juraj Janočko
Atlas krajiny Slovenskej Republiky; scale M = 1:500.000

ENVIRONMENTAL FRAMEWORK

Neotectonic structure

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Map
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Study of Environmental Impact Assessment for Mochovce NPP
Units 3&4 - Rel. 08508370478/R784