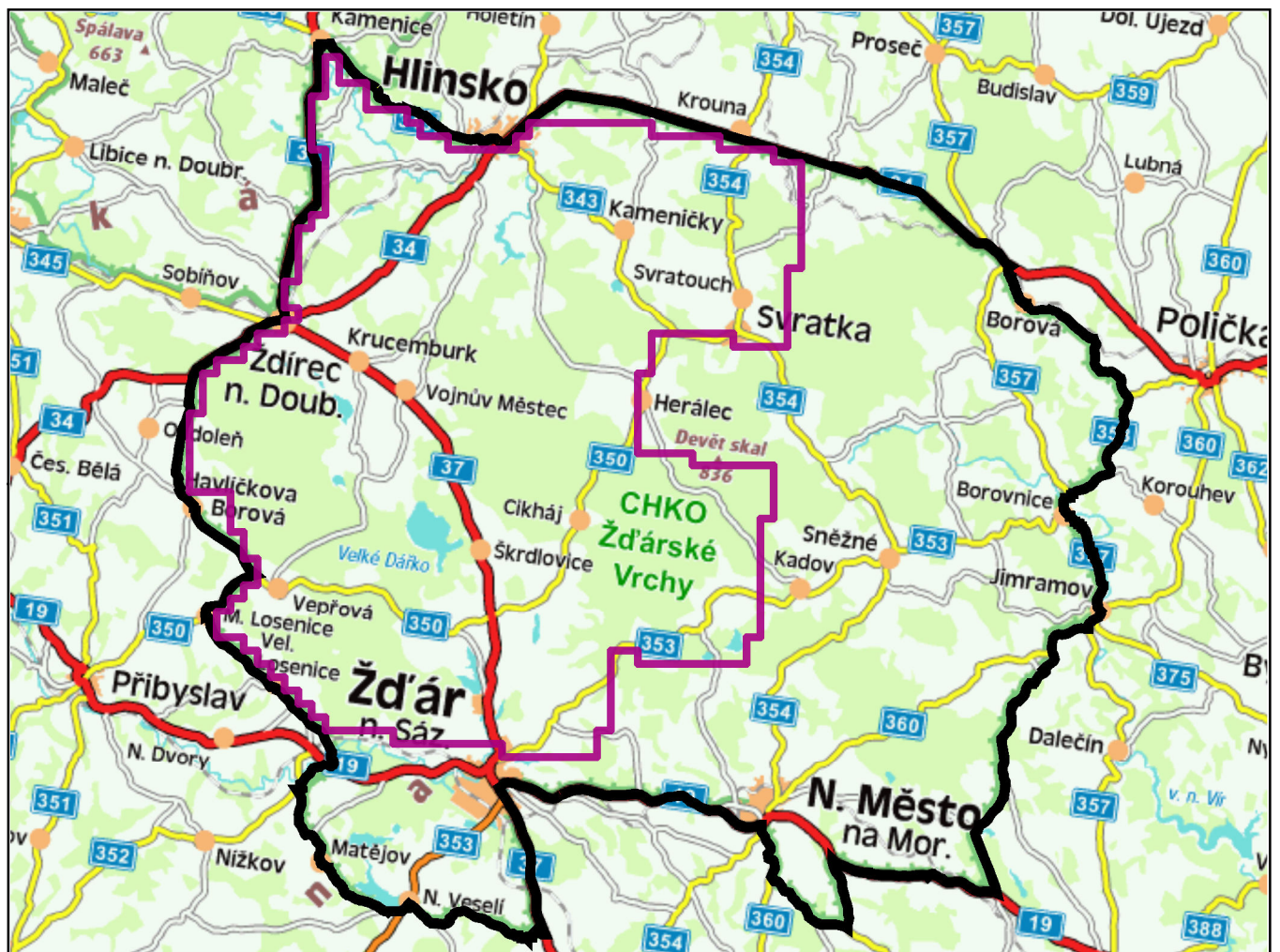# INFLUENCE OF NEAR-NATURE HABITATS ON VALUES OF EDGE DENSITY INDEX

PETRA ŠÍMOVÁ

ANNOTATION:
The map collection falls under results of multiyear research focused on influence of input geodata on results of analyses of landscape fragmentation. Individual maps represent landscape fragmentation of the Žďárské vrchy Protected Landscape Area, described by Edge density index (ED) in two levels of thematic resolution. At the first level, only main classes of land cover (defined in the ZABAGED dataset) were included. Rare habitats obtained from layers of Natura 2000 habitat mapping were added to ZABAGED classes at the second level. The index values were computed using Python script for ArcGIS 9.3.

Imput data: ZABAGED (CUZK), Natura 2000
Data processing and digne of maps: (C) Šímová, P.

AUTHOR:
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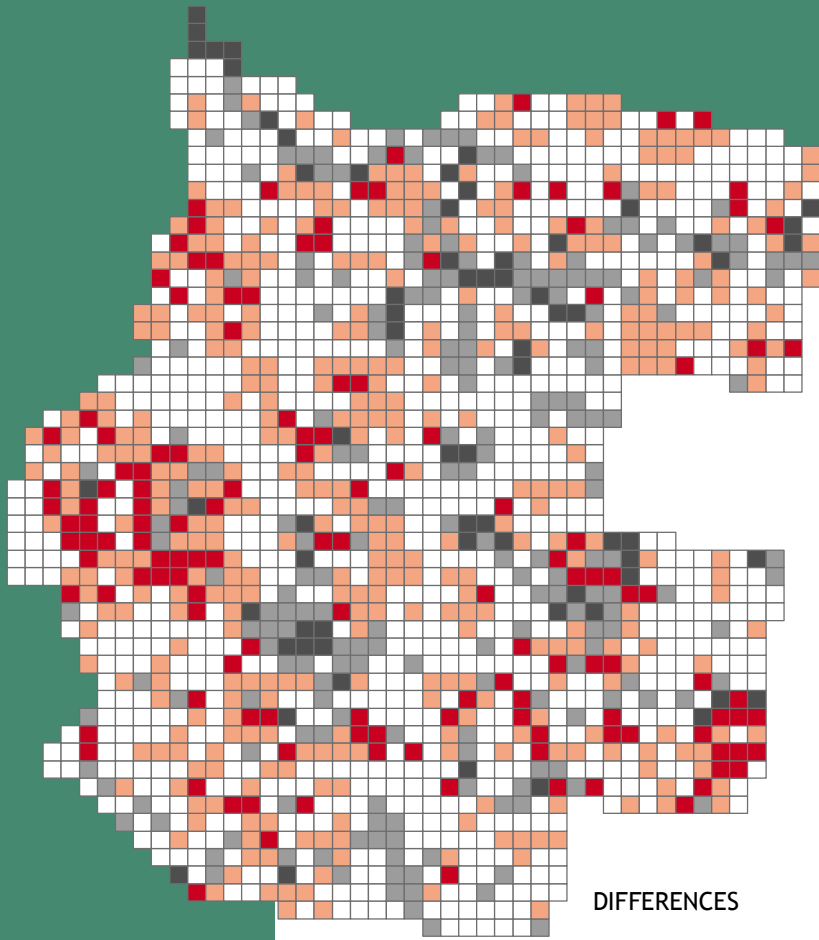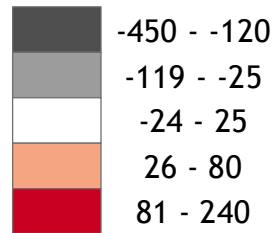Kamýcká 129, 165 00 Praha 6 – Suchdol
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2011

INFLUENCE OF NEAR-NATURE HABITATS
ON VALUES OF EDGE DENSITY INDEX (ED)

DIFFERENCES

ZABAGED + NATURA

ZABAGED

Differences between values of ED (Natura - Zabaged)

- ⬛ -450 - -120
- ⬛ -119 - -25
- ⬜ -24 - 25
- 🟧 26 - 80
- 🟥 81 - 240

Values of ED (Meters per Ares)

- 🟨 85 - 220
- 🟩 221 - 370
- 🟩 371 - 520
- 🟩 521 - 670
- 🟩 671 - 1200
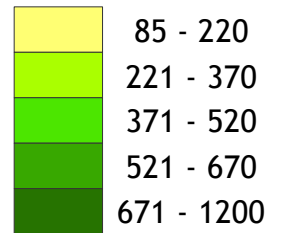
⬜ Study area

ED	ZAB	NAT	DIFF.
MIN	84,94	84,94	-428,46
MAX	1150,17	1076,83	233,06
MEAN	435,80	442,21	6,40
ST.DEV.	154,76	147,46	61,66

S

km
0   2,5   5   10   15