



Map annexes

MANAGEMENT PLAN
FOR CONSERVATION OF
WORLD CULTURAL HERITAGE
OF THE HISTORIC CENTRE
OF PRAGUE – PART 001



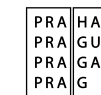
List of abbreviations and explanatory notes

a.s.l.	above sea level	NCM	National Cultural Monument
AUA	Architectural-Urbanistic Analysis	NHI	National Heritage Institute
Airbnb	a web service brokering rental of accommodation	NHI RO P	National Heritage Institute Regional Office for Prague
CAS	Czech Academy of Science	NSTR	North-South Through Road
CLCM	Central List of Cultural Monuments	OUV	Outstanding Universal Value
CM	Cultural Monument	P+R	catchment parking lots for the Park and Ride system
DPP	Prague Public Transport Company	PBR	Prague Building Regulations
ERS	City of Prague Emergency Rescue System, functioning in close coordination with the "Integrated Rescue System" (IRS)	PCH	Prague City Hall
EU	European Union	PCH HD	Prague City Hall Heritage Department
GIS	Geographic Information System	PCT	Prague City Tourism
GTR	General Technical Requirements for Construction in the City of Prague	PHR	Prague Heritage Reservation, (in relation to UNESCO this is Part 001 of the UNESCO site – note: Part 002 is Průhonice Park)
HD	Heritage Department (of Prague City Hall)	PID	Prague Integrated Public Transport
IAA	Important Archaeological Areas	Part 001	the area of the PHR – Prague Heritage Reservation
ICOMOS	International Council on Monuments and Sites	QOL	Quality of Life
IIS_ARP	Integrated Information System of Archaeological Resources Prague	SHC	state heritage care
IPR	Prague Institute of Planning and Development	SWOT analysis	(Strengths, Weaknesses, Opportunities, Threats) – an analysis through which it is possible to identify the strengths and weaknesses, opportunities or threats associated with a certain project, type of business, business plan, policy, etc.
IRS	Integrated Rescue System	TAM	Territorial Analysis Materials
LUD	land use decision	TSK	Technical Administration of Roads
LUPD	City of Prague land use planning documentation	WHL	UNESCO World Heritage List
MC	Ministry of Culture of the Czech Republic	WHMO	World Heritage Monument Office
MgP	Management Plan for Conservation of World Cultural Heritage of the Historic Centre of Prague – Part 001		
MIS	Metainformation System		
MP	City of Prague Land Use Plan – Metropolitan Plan, shortened as Metropolitan Plan		



Map annexes

MANAGEMENT PLAN FOR CONSERVATION OF WORLD CULTURAL HERITAGE OF THE HISTORIC CENTRE OF PRAGUE – PART 001





United Nations
Educational, Scientific and
Cultural Organization



Historic Centre of Prague
Historické centrum Prahy

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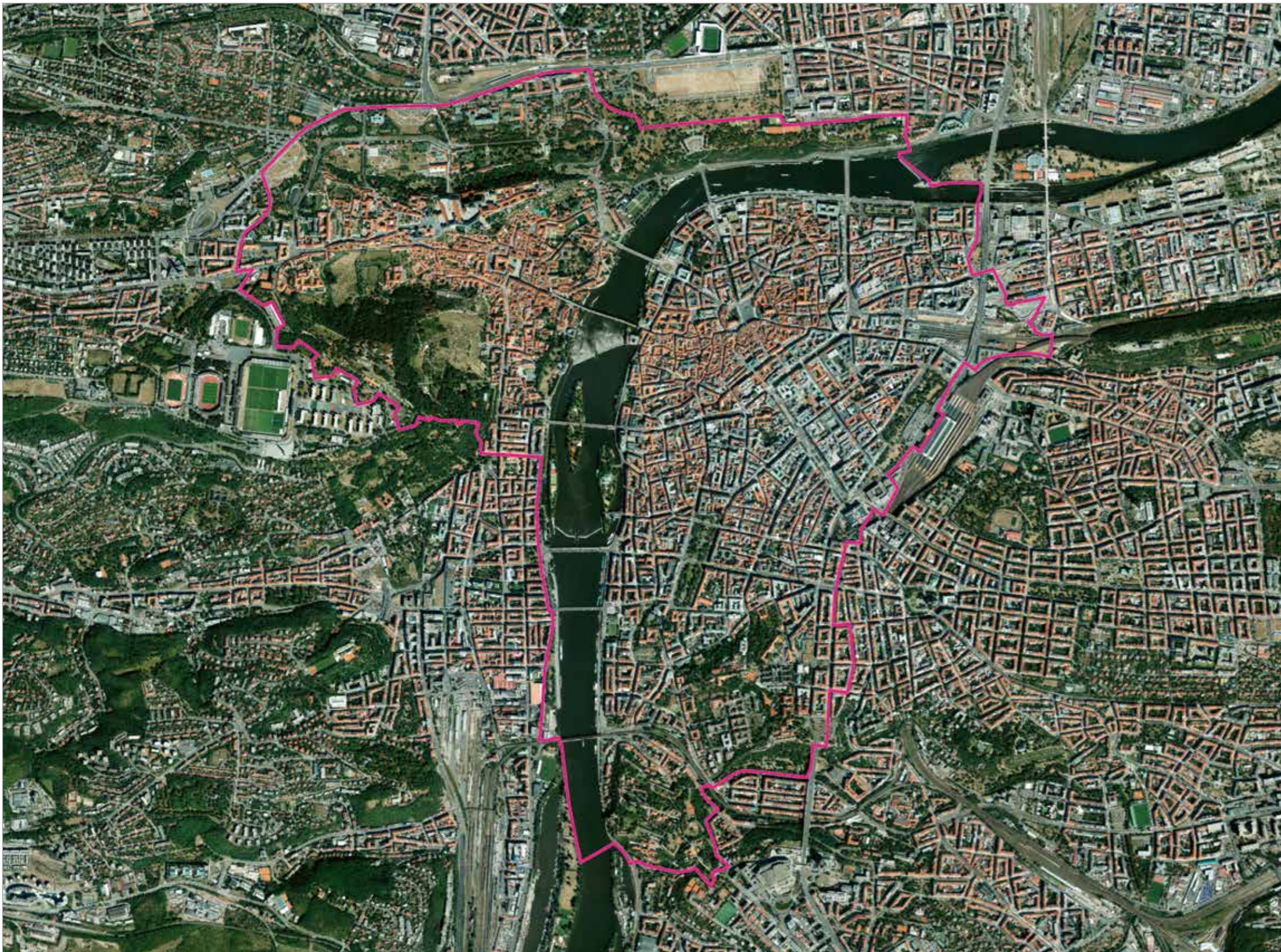


9

91 Current orthographic photo
map, aerial photograph
of the territory

Map Annexes





C18

Current orthographic photo map, aerial photograph of the territory

— Prague Heritage Reservation

0 0,5 1km

C19

92 Land Use Plan of the City of Prague, currently valid – drawing, map of areas used



Land Use Plan

MANDATORY ELEMENTS

MULTIPURPOSE ZONES

RESIDENTIAL

- OB residential only
- OV predominantly residential

MIXED

- SV mixed use
- SMJ downtown mixed used

PRODUCTION AND SERVICES

- VN environmentally friendly production and services
- VS production, warehousing and distribution facilities

SPORTS AND RECREATION

- SP sport
- SO1, SO2 relaxation

SPECIAL USE COMPLEXES

- ZOB shopping complexes
- ZVS higher education
- ZKC church and cultural facilities
- ZVO other

PUBLIC FACILITIES

- VV public facilities
- VVA military and public security facilities

TRANSPORT INFRASTRUCTURE

- SD, S1, S2, S4 specific transport network
- DZ railroad tracks and facilities, sidings and cargo terminals
- DL transport, military and sport airports
- DGP garages and parking facilities
- DH public transport, P+R parking
- DP ports and docks, locks
- DU important urban areas and transport connections, public space

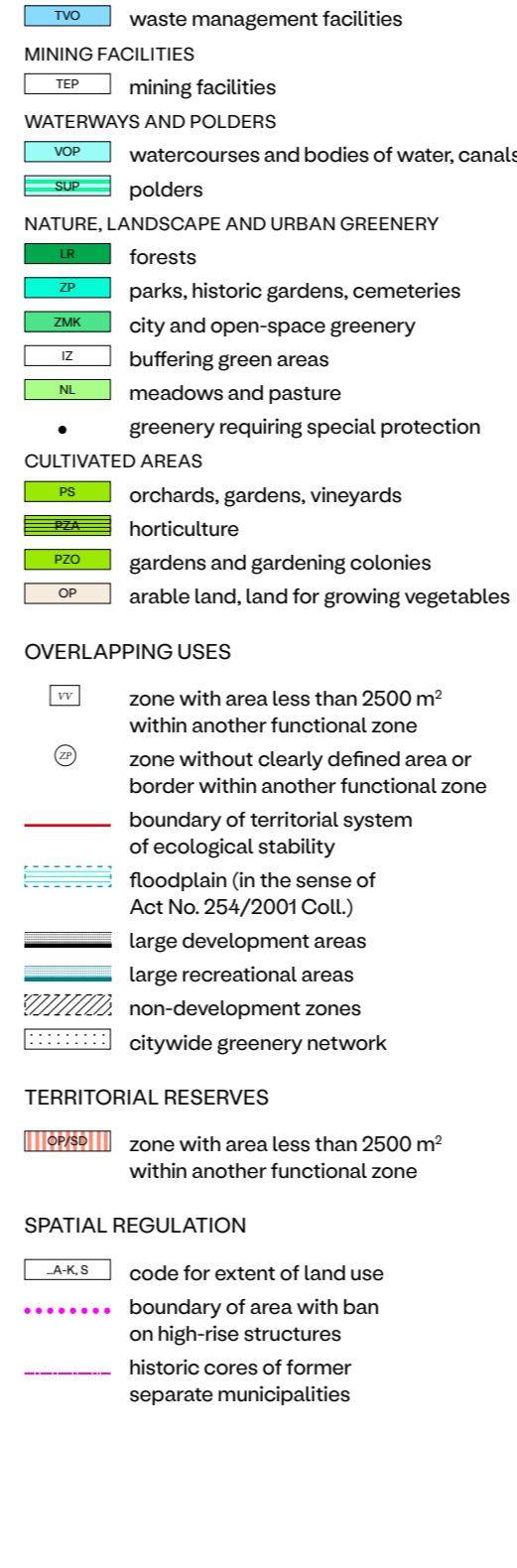
- high speed rail (HSR) routes
- metro routes and stations
- funiculars

TECHNICAL INFRASTRUCTURE

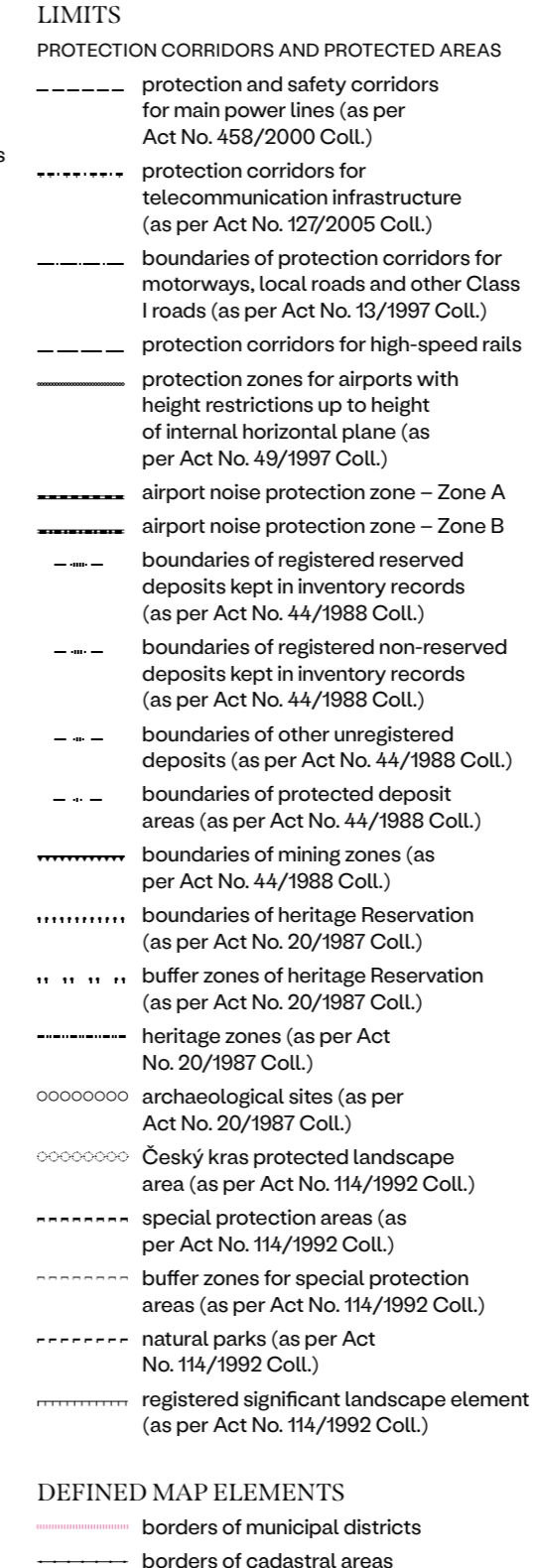
- TVV water management facilities
- TVE electricity supply facilities
- TI facilities for information transmission



C20



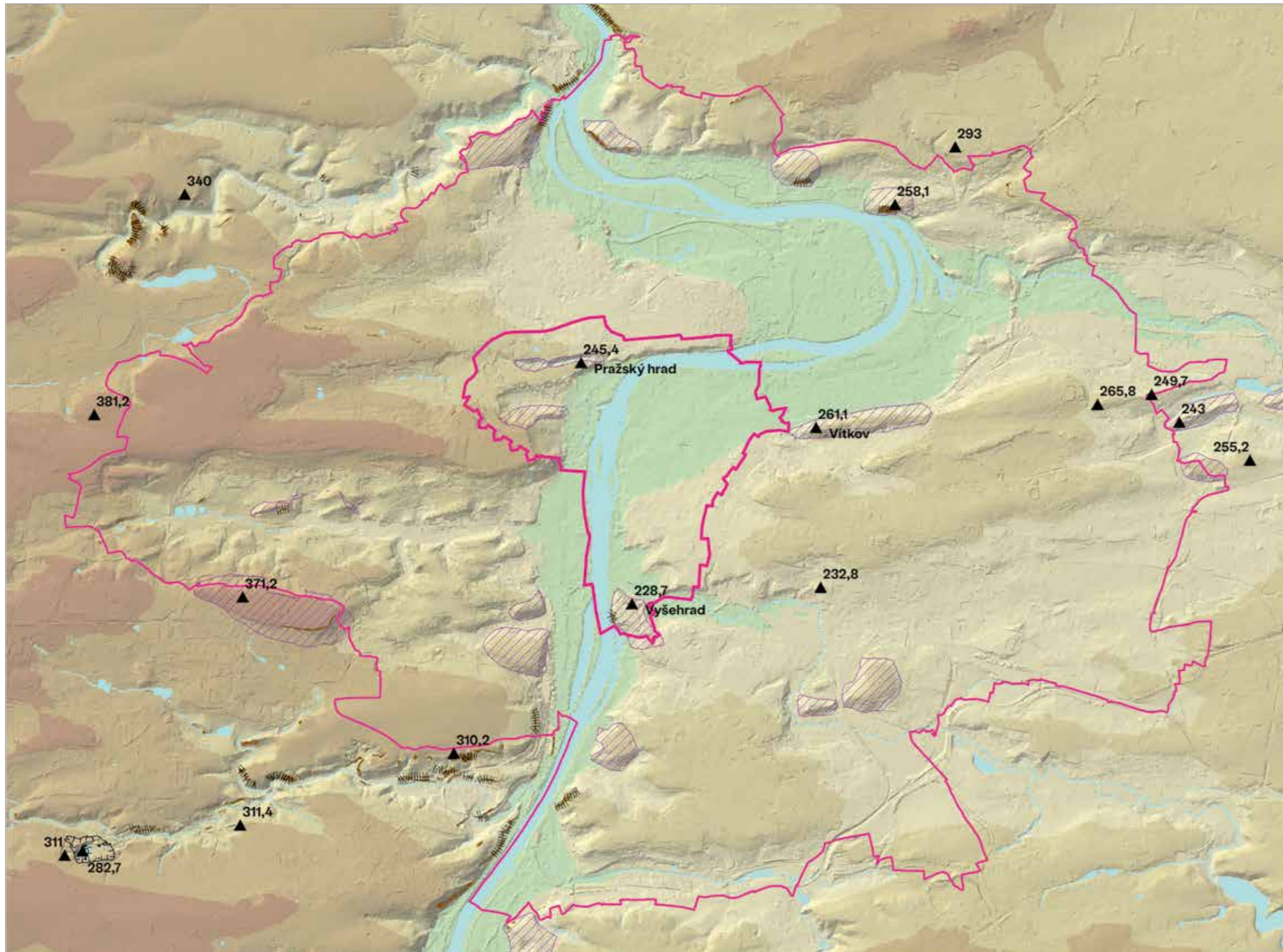
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City of Prague Territorial Analysis Materials 2016

93 Morphology

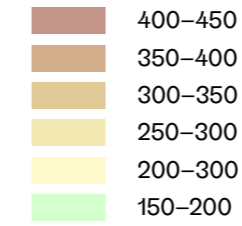




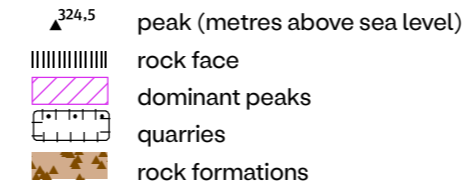
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Morphology

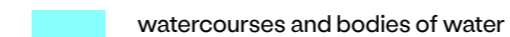
ELEVATION (metres above sea level)



MORPHOLOGICAL ELEMENTS



INFORMATIVE ELEMENTS



C23

City of Prague Territorial Analysis Materials 2016

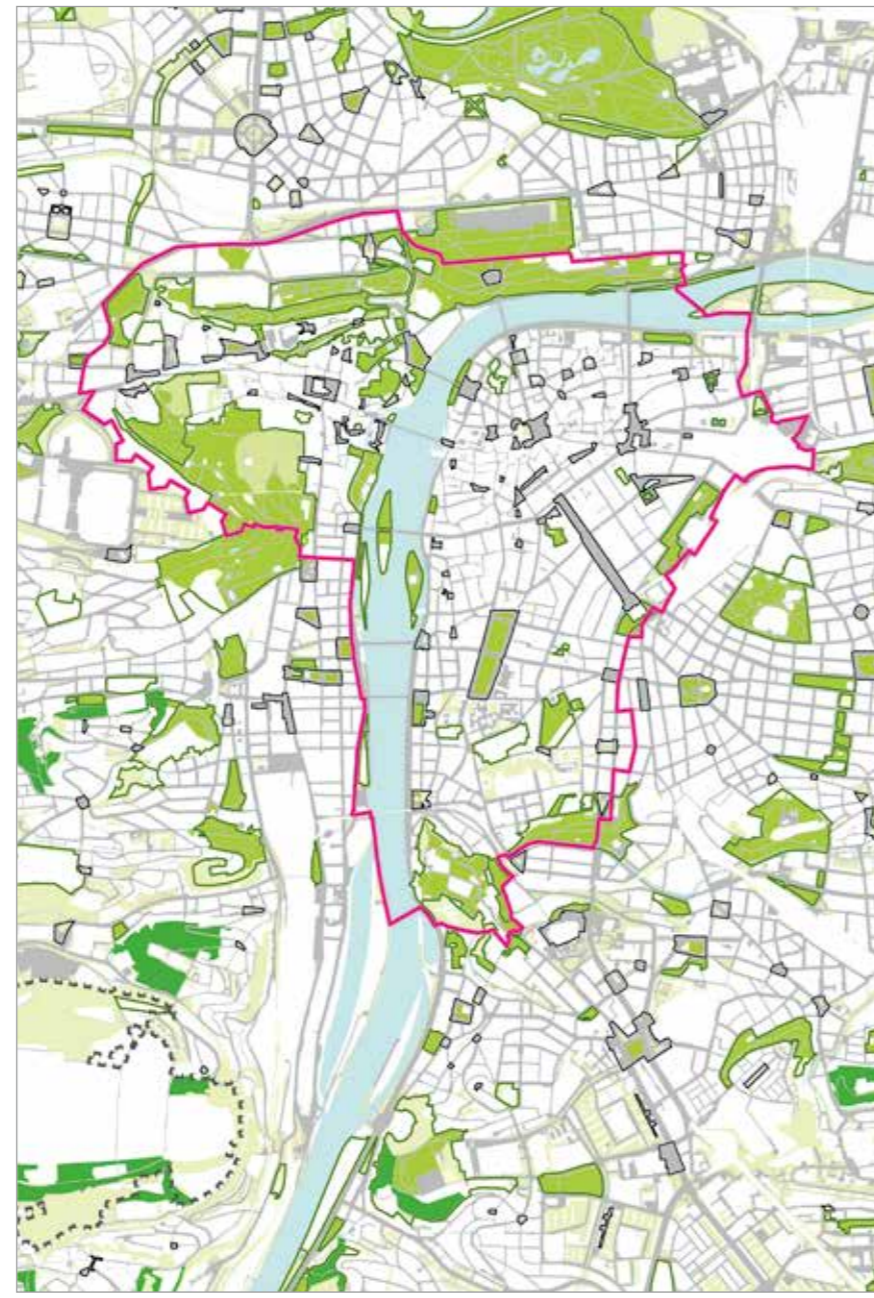
- 9 4 Land use
- 9 5 Public space
- 9 6 Floor ratios





Land use

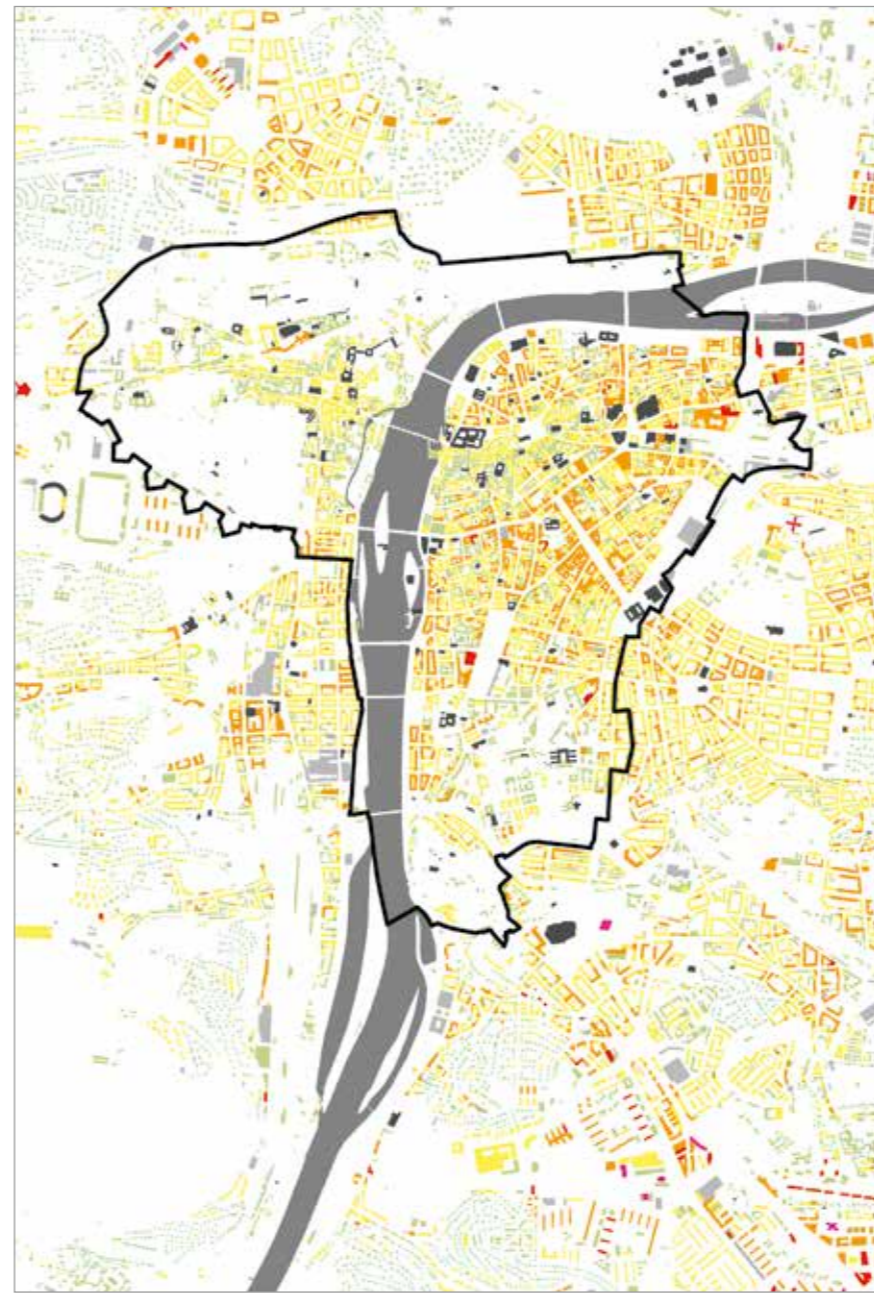
- | | |
|---|---|
| ■ open land | ■ transport infrastructure |
| ■ recreational areas | ■ watercourses and bodies of water |
| ■ public services | ■ public space |
| ■ residential | ■ not determined |
| ■ commercial services | |



Public space

- | | |
|--|---|
| boundaries between urban areas and open countryside | ■ forest, forest parks |
| squares | ■ landscaped areas |
| paved areas | ■ orchards and vineyards |
| parks | ■ recreational areas, playgrounds |
| | ■ other natural areas |
| | ■ watercourses and bodies of water |

C24

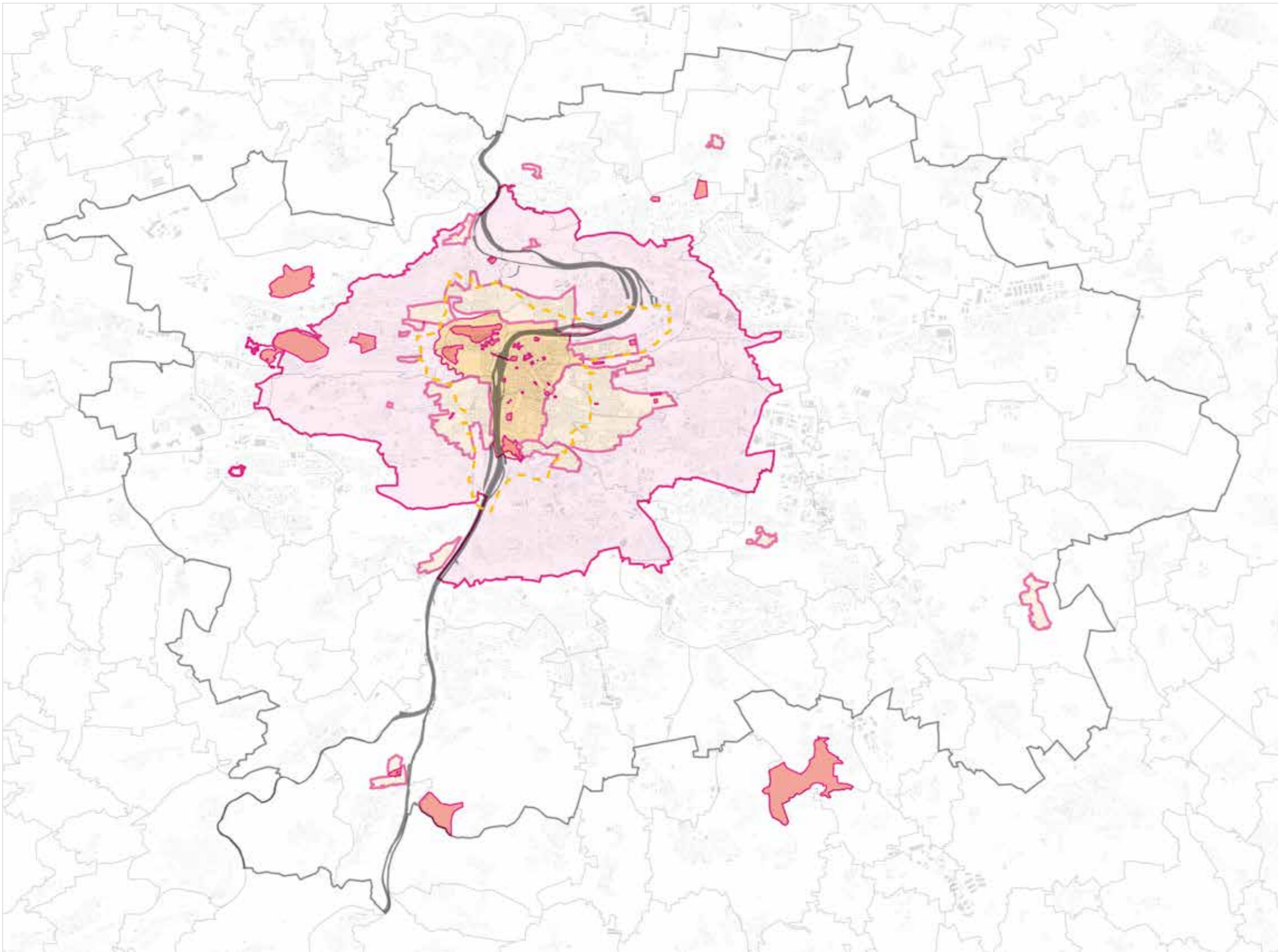


Floor ratios

- | | |
|---|---|
| NUMBER OF FLOORS TOTAL | STRUCTURES WITHOUT A DEFINED NUMBER OF FLOORS |
| ■ 3 or less | ■ atypical buildings |
| ■ 4–5 | ■ buildings with non-standard floor heights |
| ■ 6–8 | ■ family homes of up to 3 storeys |
| ■ 9–12 | |
| ■ 13 or more | |
- Note: Total number of floors means the number of above-ground floors including attic or recessed ones

C25





C26

Heritage protection – entire city + Průhonice

HERTAGE PRESERVATION MANDATED BY LAW

- Prague Heritage Reservation
- Stodůlky and Ruzyně Heritage Reservation
- Heritage zones in the City of Prague
- Buffer zone of Prague Heritage Reservation
- National Cultural Heritage sites
- Park and chateau in Průhonice
- Archaeological Cultural Monuments

LIMITS SET IN TERRITORIAL PLANNING DOCUMENTATION

- Areas with ban on high-rise structures under Land Use Plan



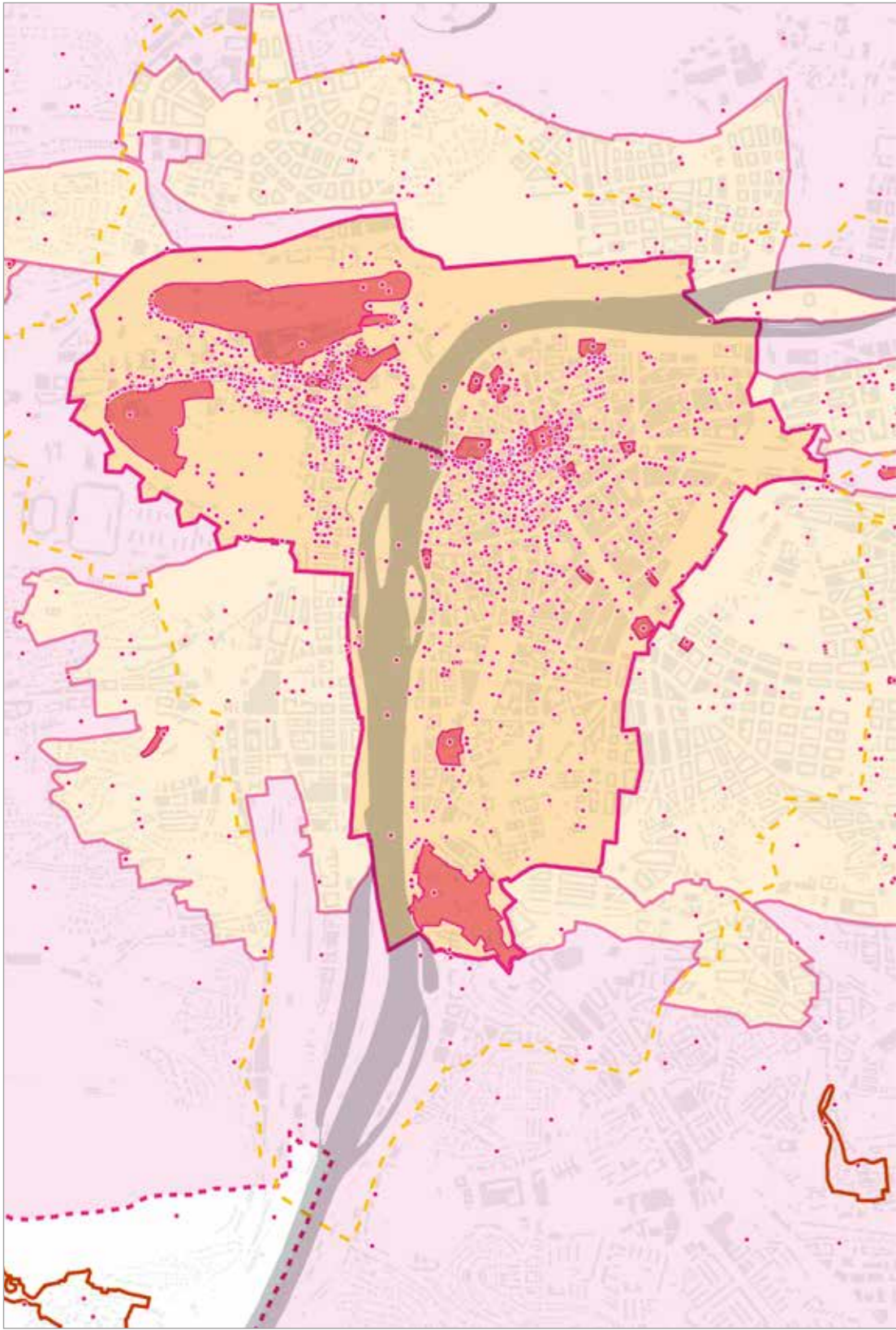
C27

City of Prague Territorial Analysis Materials 2016

98 Heritage preservation –
city centre, selection,
Part 001 (PHR)

99 Heritage preservation –
archaeology





Heritage preservation – Centre A

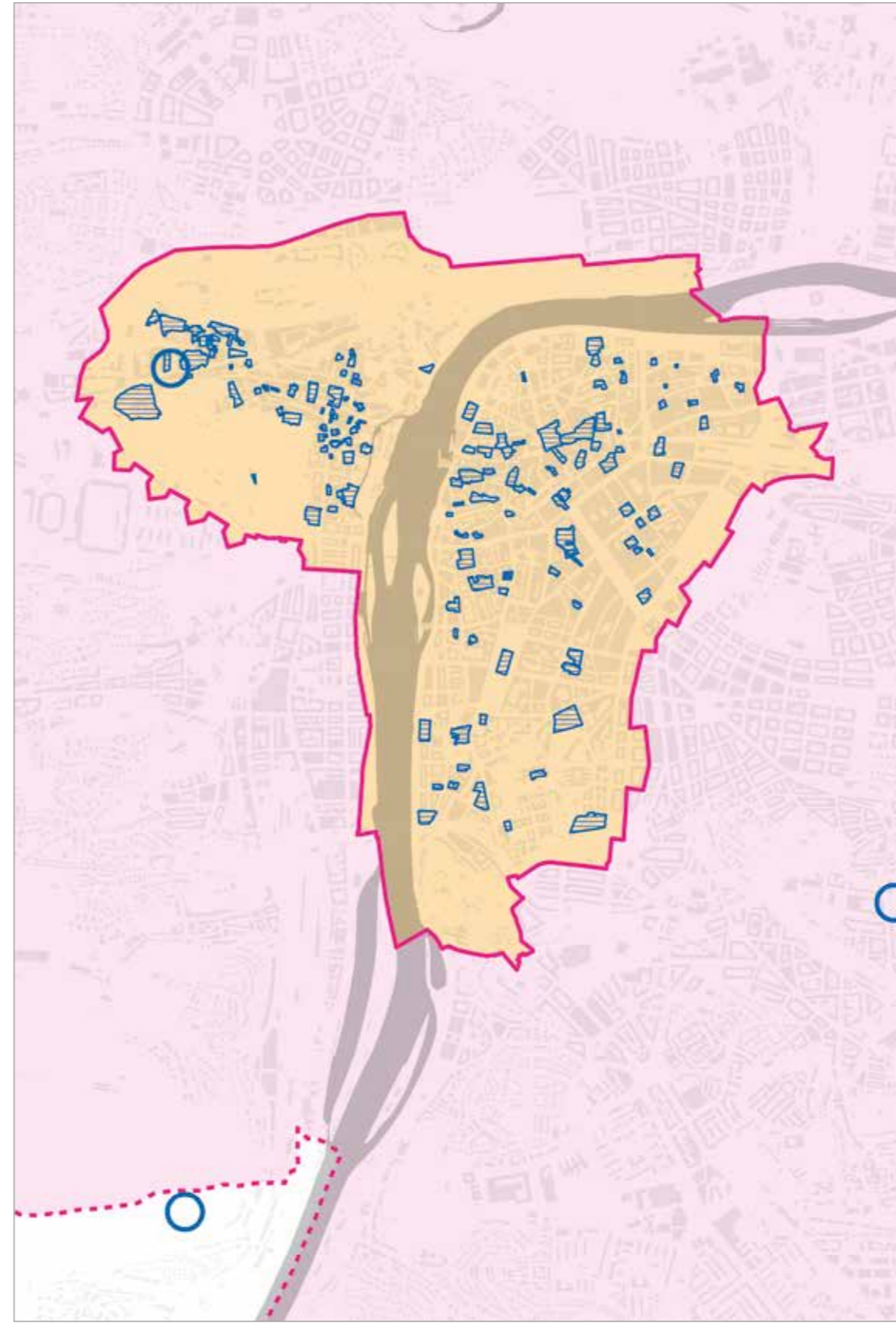
- HERITAGE PRESERVATION MANDATED BY LAW
- Prague Heritage Reservation
 - Heritage zones in the City of Prague
 - Buffer zone of Prague Heritage Reservation
 - National Cultural Heritage sites
 - Cultural Heritage sites
- LIMITS SET IN TERRITORIAL PLANNING DOCUMENTATION
- Areas with ban on high-rise structures under Land Use Plan
 - Historical cores of former municipalities

0 0,5 1km

Heritage preservation – Centre B

- ARCHAEOLOGICAL MONUMENTS
- Cultural Monuments of archaeological nature
 - Significant archaeological areas

0 0,5 1km



- 9 10 Public transport
- 9 11 Railway transport

C28

C29





Public transport

PUBLIC TRANSPORT STOPS AND STATIONS

- metro A
- metro B
- metro C
- tram
- bus
- train
- ferry dock
- funicular

PUBLIC TRANSPORT LINES

- metro A
- metro B
- metro C
- tram
- bus
- train
- ferry
- funicular

WATER TRANSPORT

- ⊕ cargo ports
- ⊕ passenger ports
- ⊕ sports boat ports
- ⊕ passenger dock
- ⊕ locks
- fairways

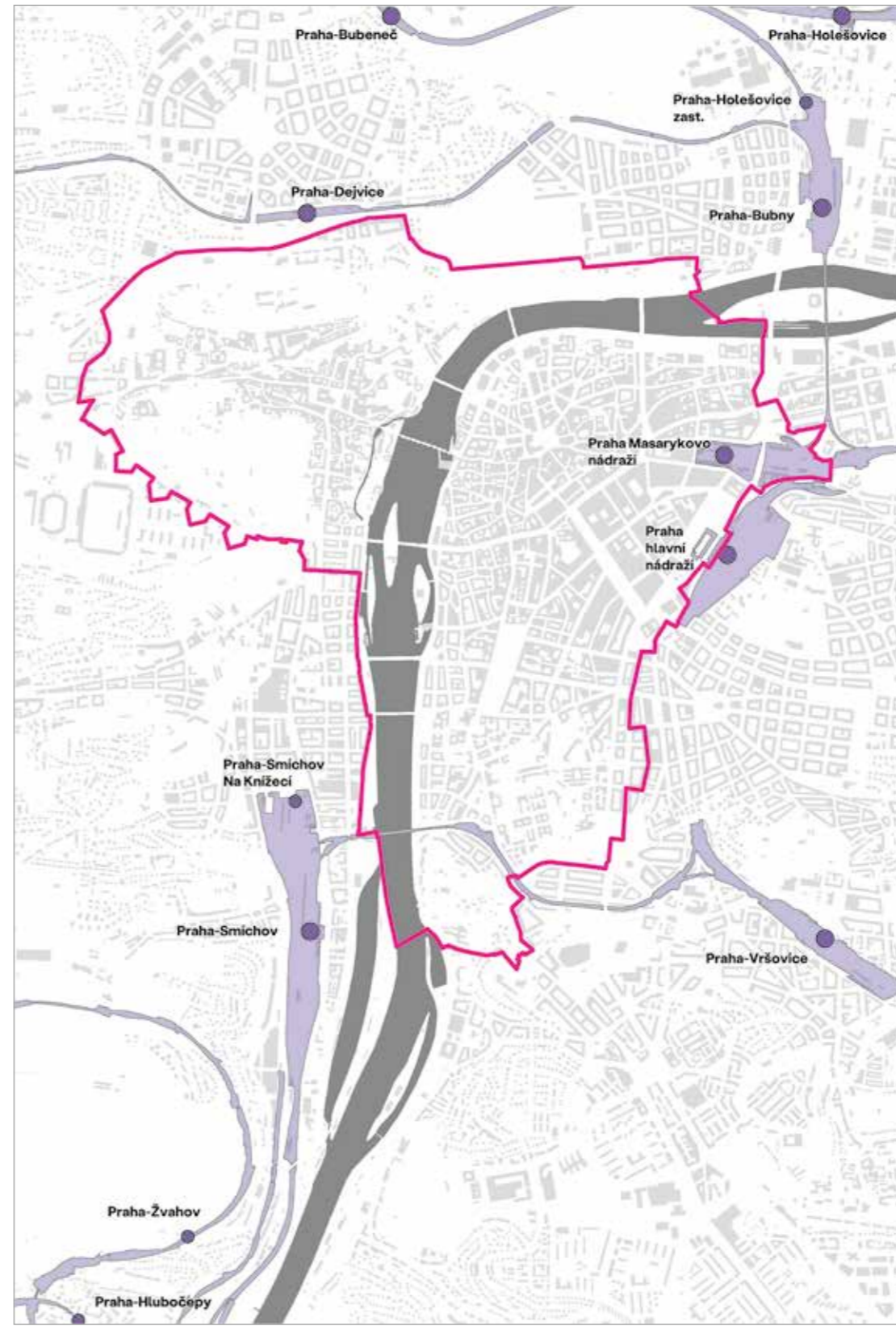


Railway transport

- railway transport land
- railway station
- railway stop



C30



City of Prague
Territorial Analysis
Materials 2016

- 9 12 Bicycle transport
- 9 13 Housing

C31





Bicycle transport

- BICYCLE ROUTES AND MEASURES
- marked bicycle route
 - bicycle path
 - bicycle lane, protected bike lane
 - pedestrian zone with bicycles permitted
 - bus-taxi-bike lane
 - cyclopictocorridor (shared lane marking)
 - two-way bicycle traffic permitted
 - bicycle crossing
 - ferry

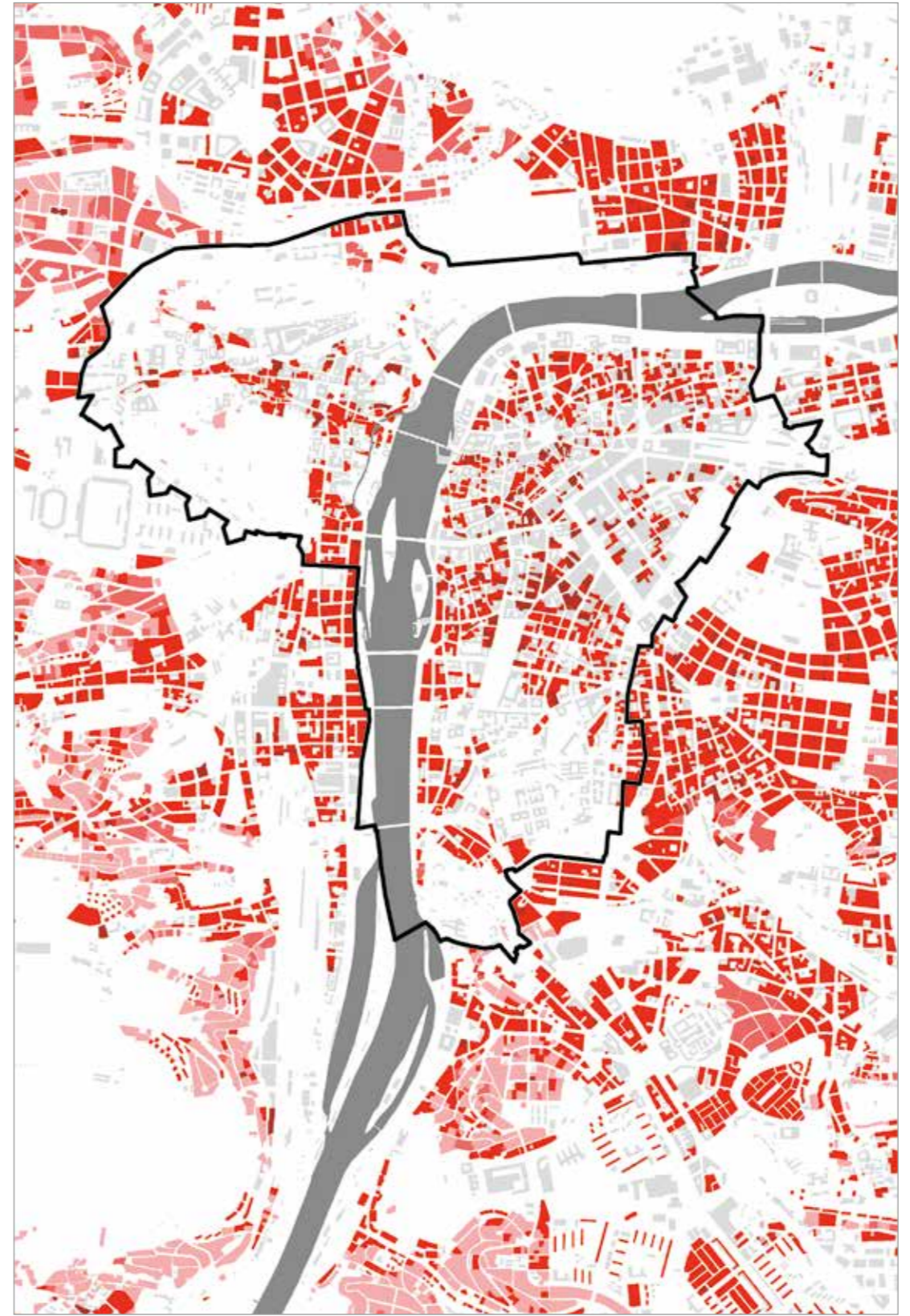
0 0,5 1km

Housing

- family houses
- rental houses
- blocks of flats
- multifunctional family and apartment homes

0 0,5 1km

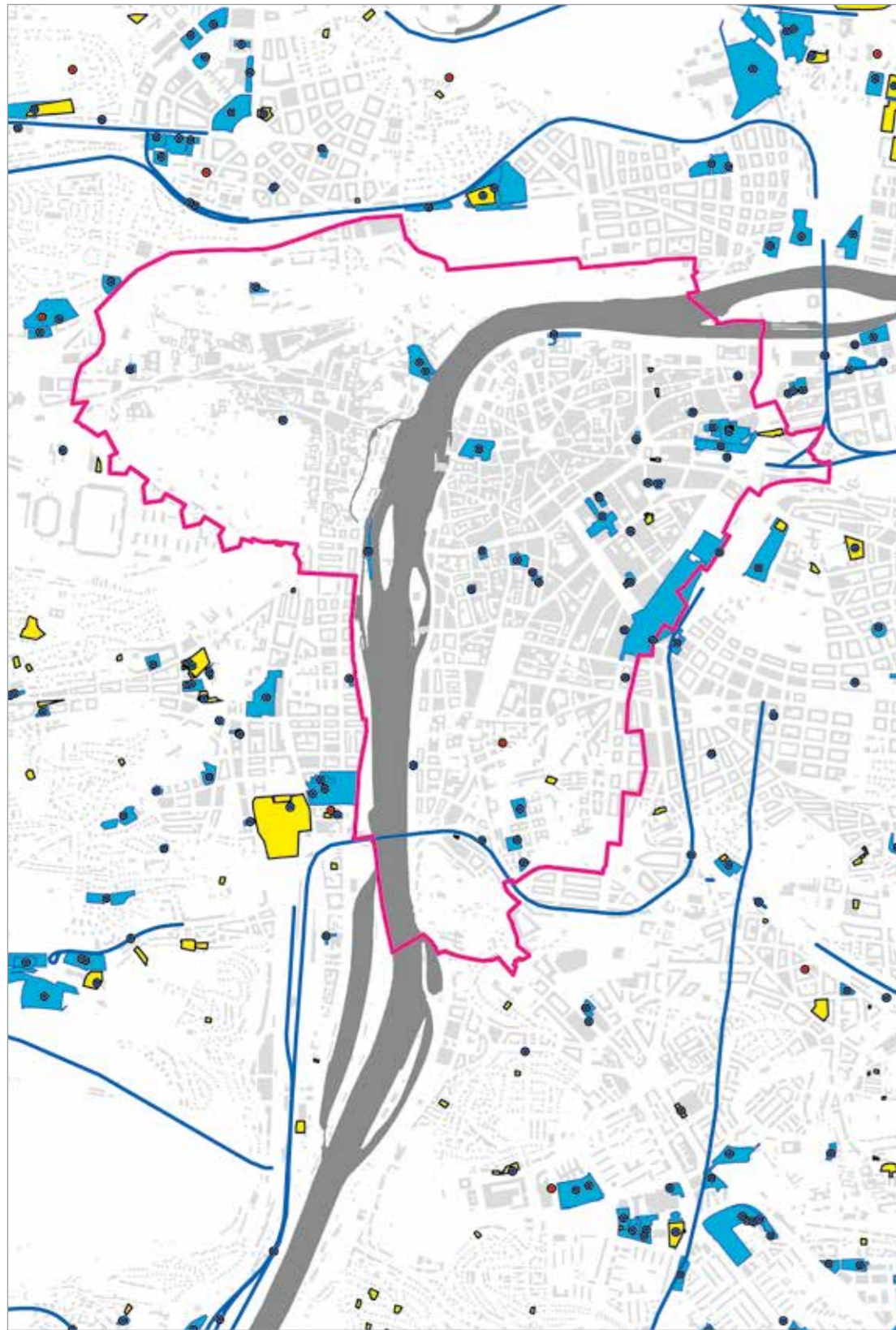
C32



- 9 14 Plans for changes within the area
- 9 15 Ownership

C33





Plans for changes within the area

PLANS WITH LAND USE DECISION ISSUED

- area
- specific site
- linear

PLANS IN EIA PROCESS

- area
- specific site
- linear

0 0,5 1km

Ownership

CLASS OF OWNER

- Czech Republic, including controlled entities
- City of Prague, including controlled entities, excluding municipal districts
- Municipal districts, including controlled entities
- Regions, including controlled entities, not including City of Prague
- Municipalities, including controlled entities, not including City of Prague
- Other domestic legal entities
- Domestic natural persons
- Identified and classified foreign entities
- Entities not classified in other groups
- Joint ownership of various groups
- Owner not identified from cadastral records

0 0,5 1km

C34



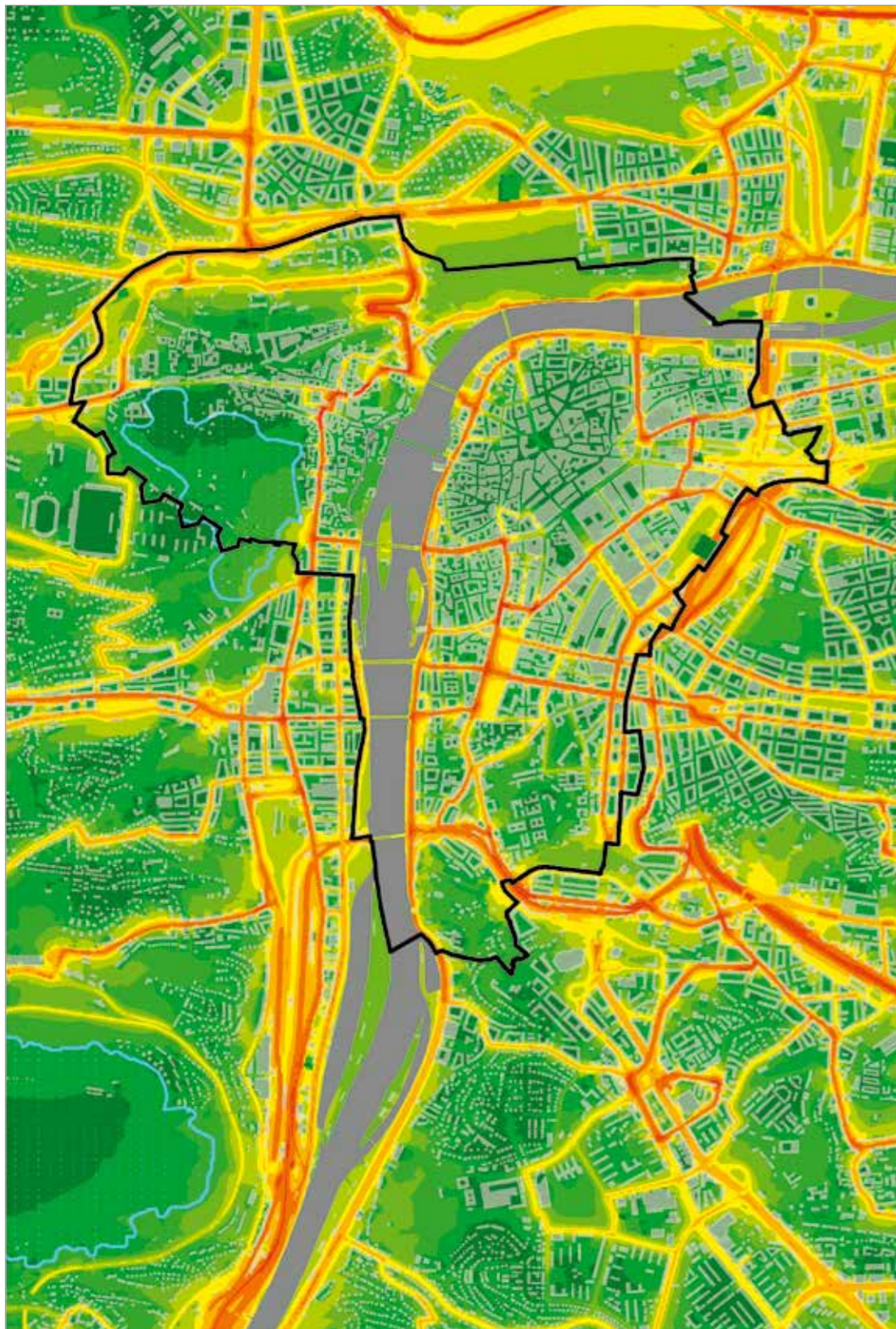
City of Prague Territorial Analysis Materials 2016

9 16 Noise levels

9 17 Air quality

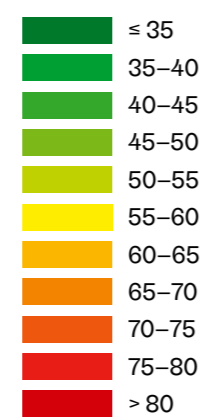
C35





Noise levels

NOISE LEVELS – NIGHT [dB]



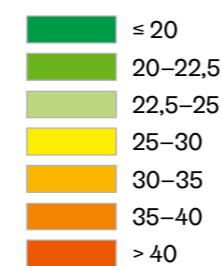
QUIET AREAS

quiet areas under Noise Reduction Plan for Prague Metropolitan Area

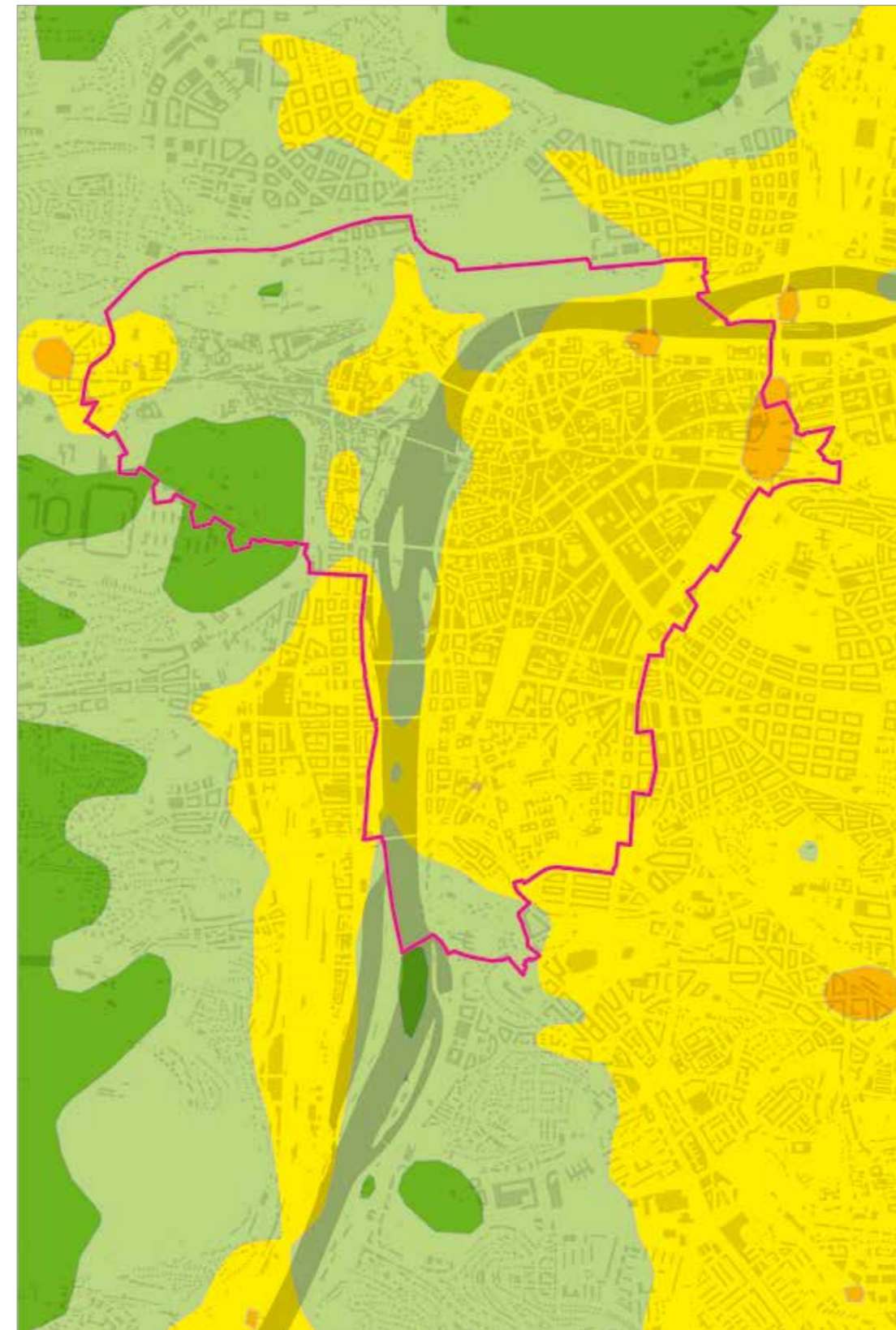


Air quality

AVERAGE ANNUAL PM¹⁰ CONCENTRATION [µg.m⁻³]



C36

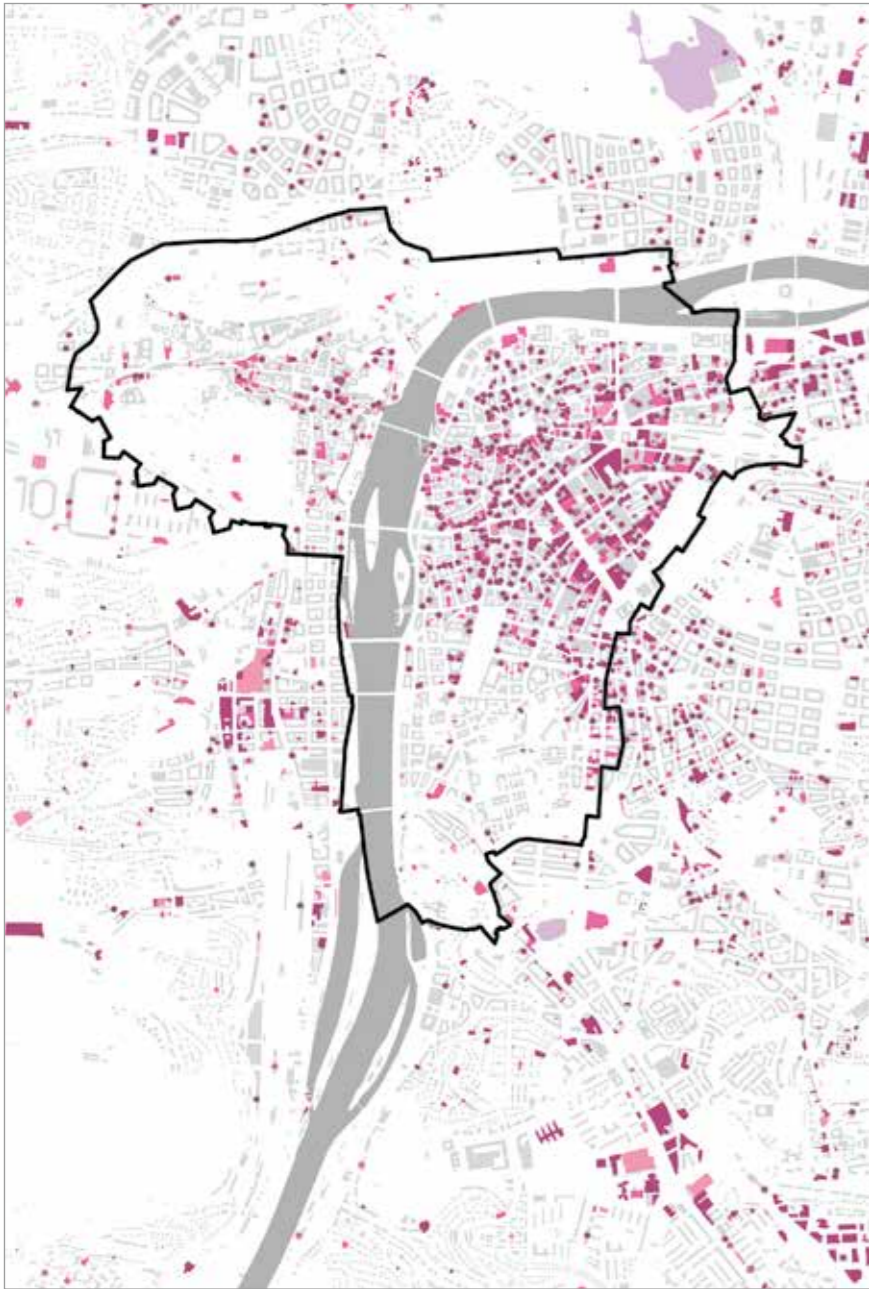


City of Prague
Territorial Analysis
Materials 2016,
Prague Atlas 5000

- 9 18 Amenities – commercial services
- 9 19 Amenities – commercial services – commercial frontage
- 9 20 Amenities – public services

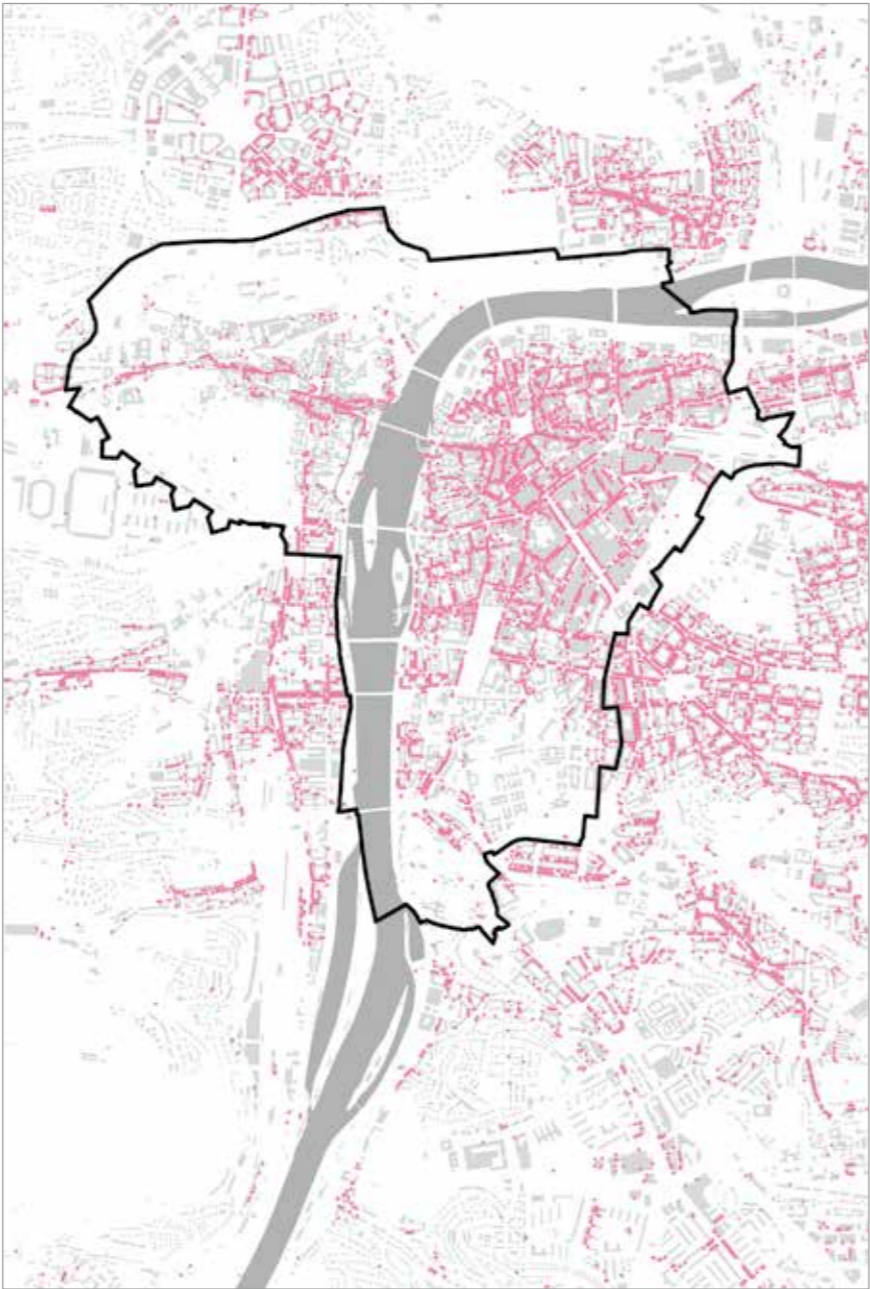
C37





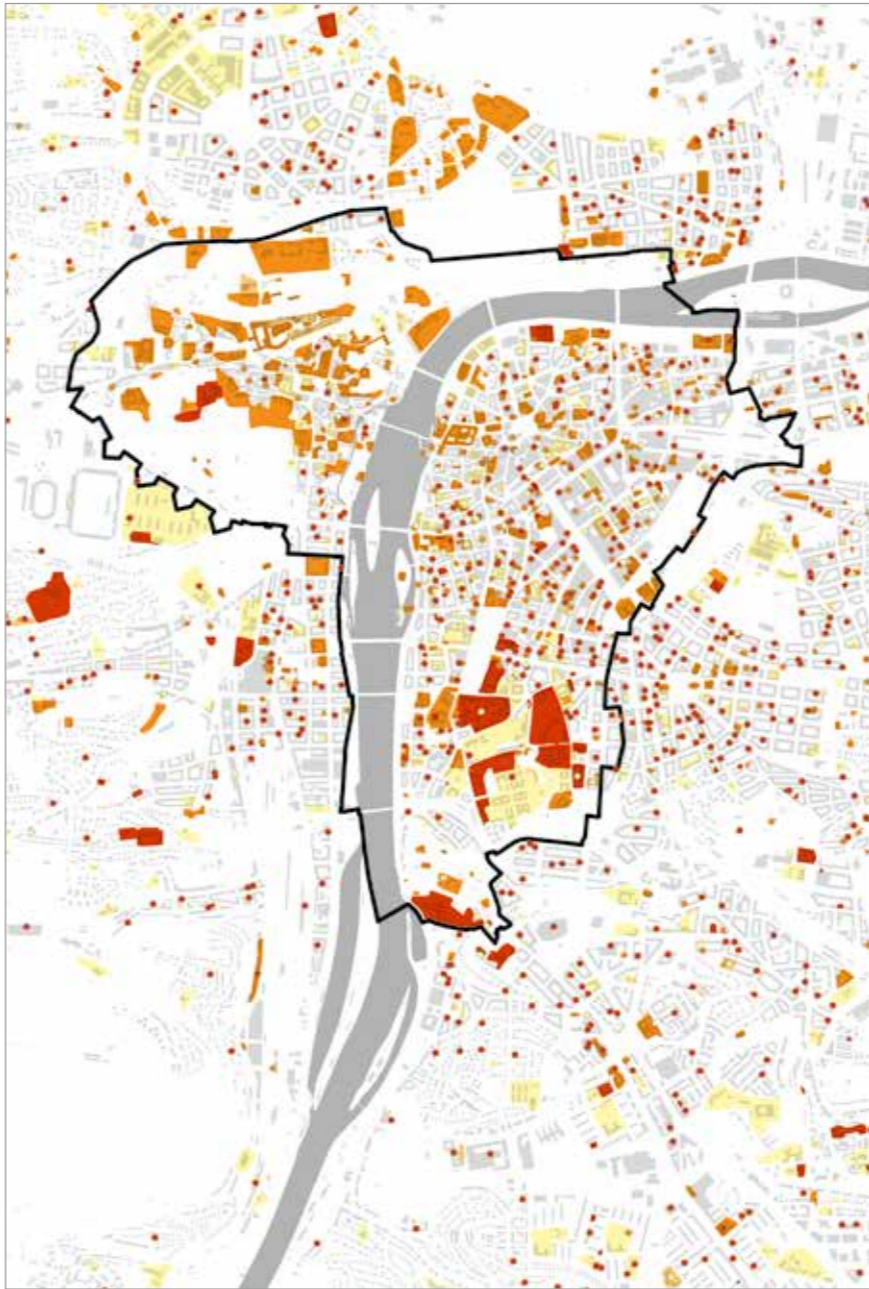
Amenities – commercial services

- | | |
|---|--|
| USE OF MULTIFUNCTIONAL BUILDINGS | |
| administration, commercial services | administration, commercial services |
| shopping centres, shops | shopping centres |
| accommodation, catering establishments | accommodation, catering establishments |
| exhibition grounds, conference centres, multifunctional arenas and stadiums | multifunctional public services |



Amenities – commercial services – commercial frontage

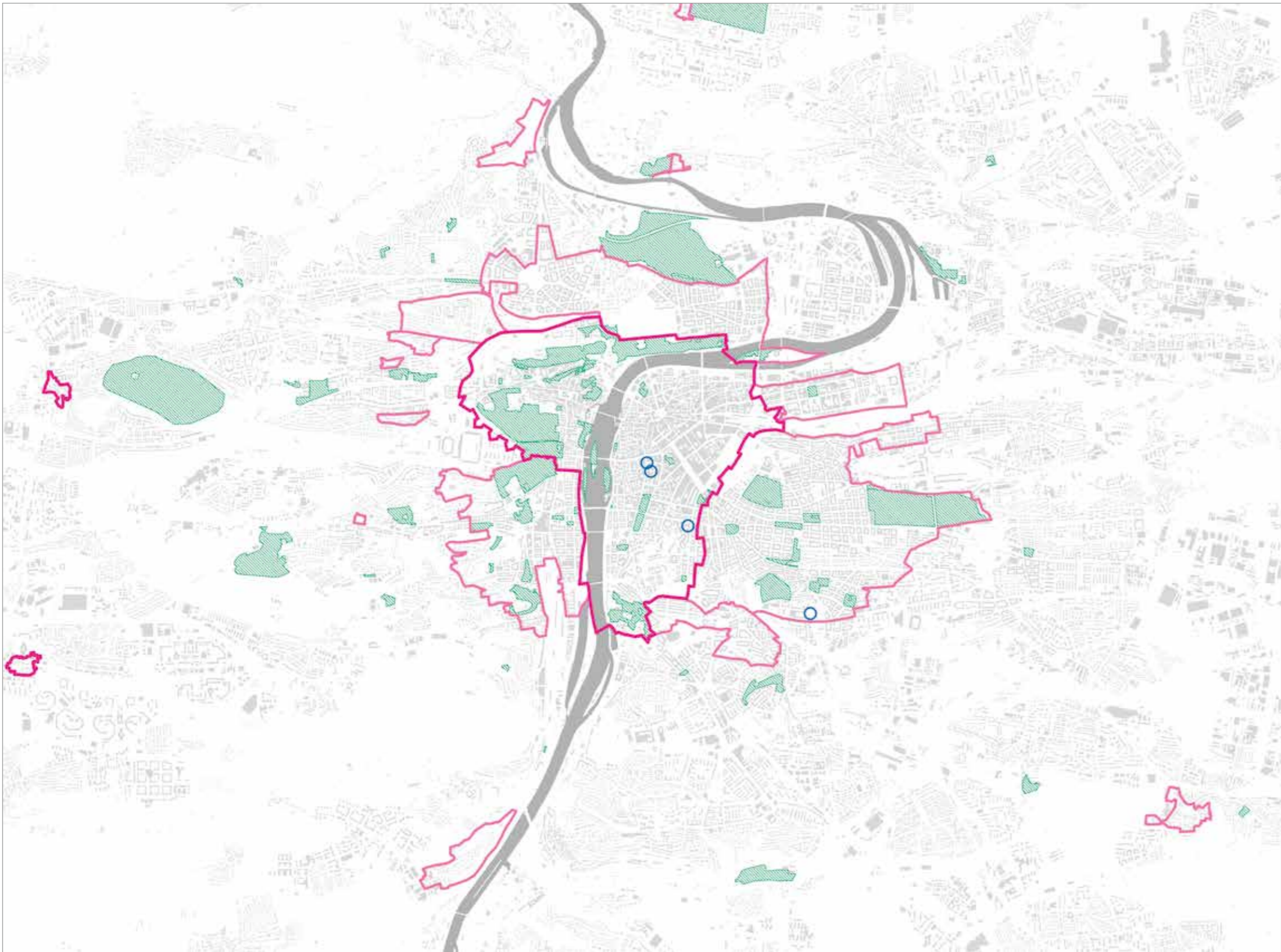
- shopping centres



Amenities – public services

- | | | | |
|--|--|--|--|
| AREAS AND BUILDINGS | | USE OF MULTIFUNCTIONAL BUILDINGS | |
| schools and education, universities, science, research | schools and education, universities, science, research | social services, healthcare services | social services, healthcare services |
| culture, churches, media, administration | culture, churches, media, administration | multifunctional public services | multifunctional public services |





C40

Cultural-historical assets

- heritage reservations
- heritage zones
- archaeological Cultural Monuments
- historical gardens and parks



C41

City of Prague
Territorial Analysis
Materials 2016,
Prague Atlas 5000





C42

Urbanistic assets

-  city centre
-  active city zones
-  focal points of concentrated activity
-  river area
-  recreational areas for the entire city
-  squares
-  street space
-  parks
- Hierarchy of parks
 -  metropolitan parks
 -  neighbourhood and local parks
 -  cemeteries
 -  land owned by the City of Prague



C43

City of Prague
Territorial Analysis
Materials 2016,
Prague Atlas 5000





C44

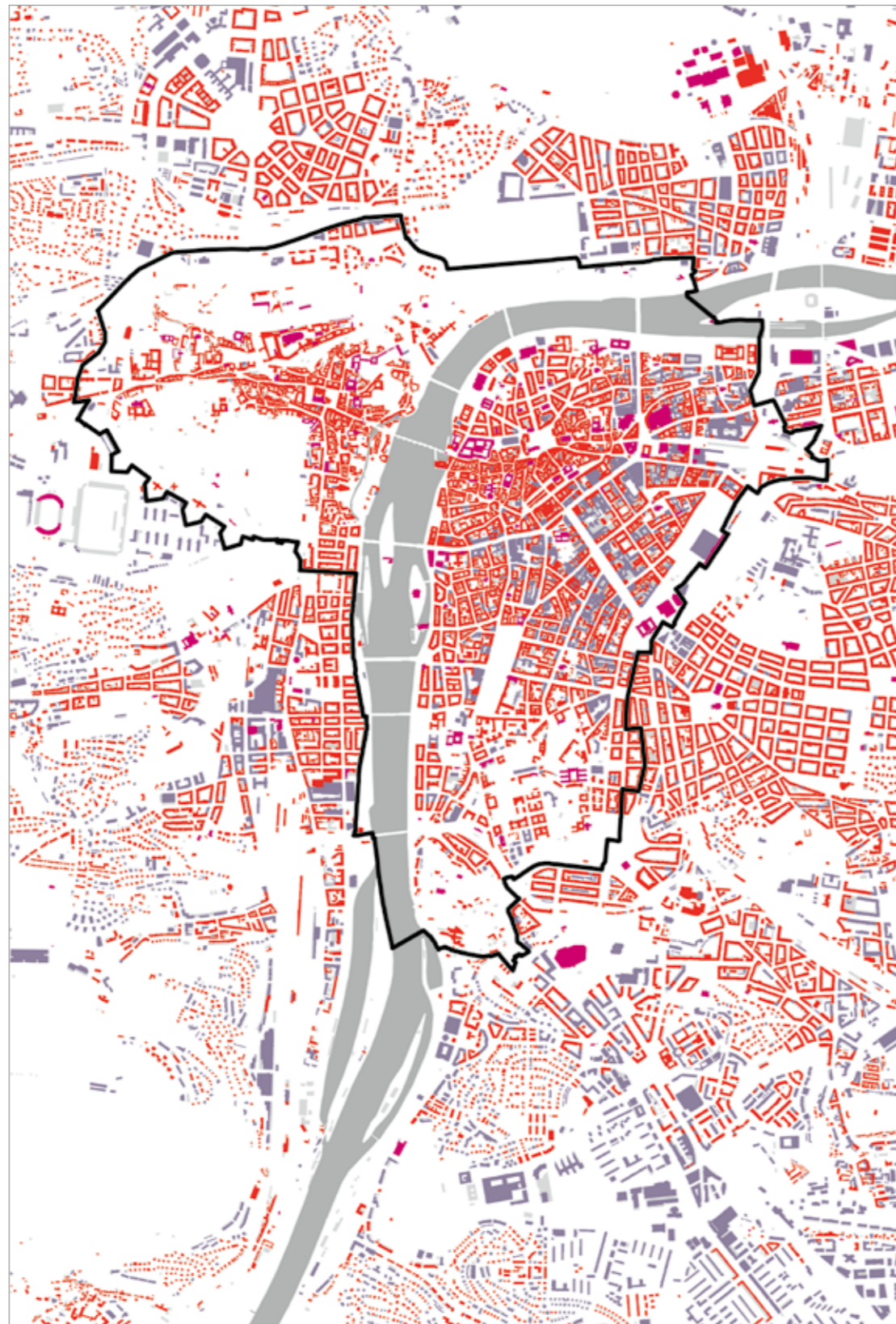
Compositional assets

- distinct landscape formations
- natural axes
- main visually important slopes
- rock faces, quarries
- selected prominent structures
- important observation points with fields of vision
- important observation points of Prague vistas with fields of vision
- visual horizon I of historic core – areas visible from PHR
- visual horizon II of historic core – areas visible from PHR and its buffer zone
- visually exposed areas
- visibility threshold of historical assets in the city centre
- historical urbanisation axes



C45





C46

Roofscape

ROOFS

- sloping
- flat
- atypical

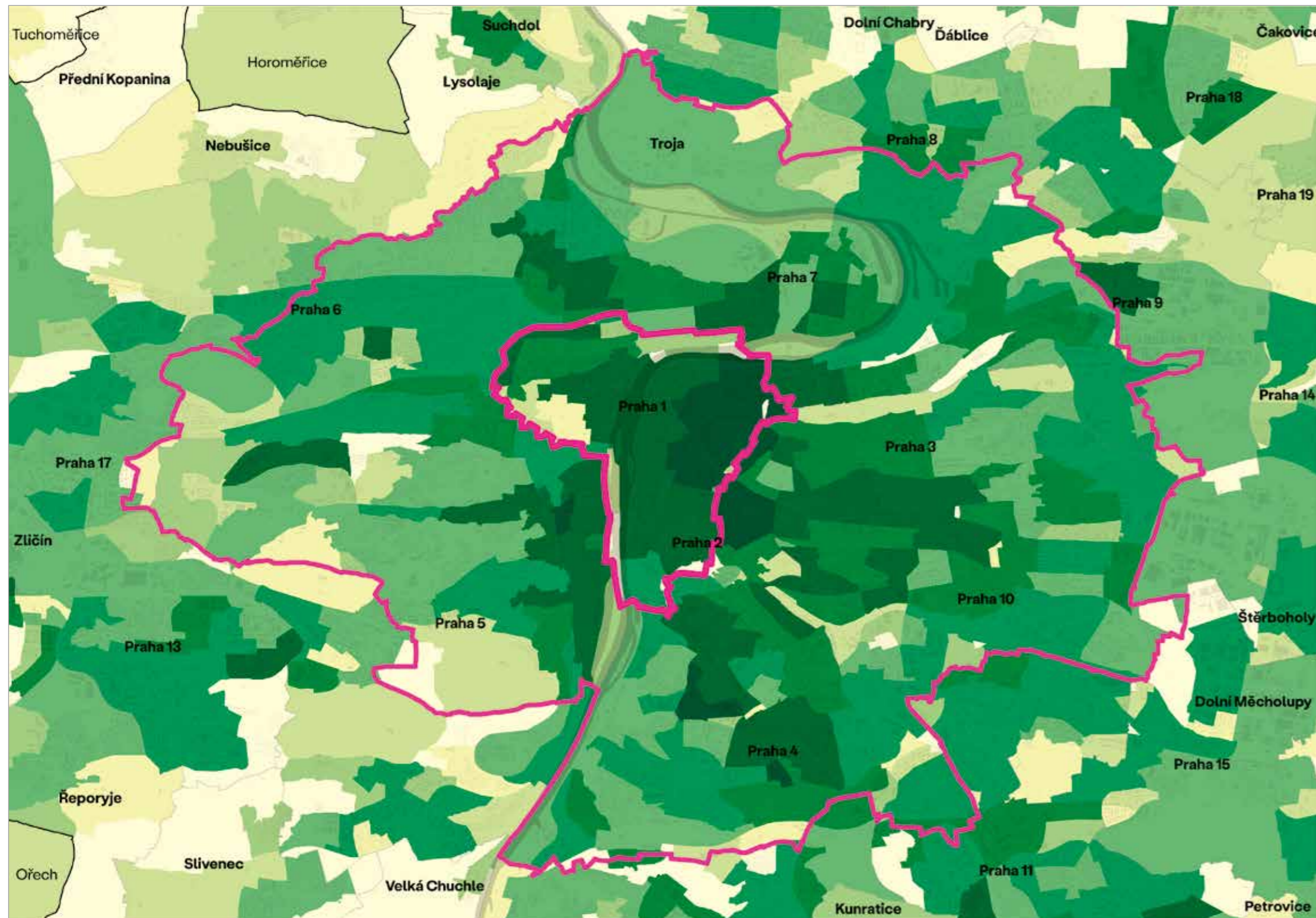


C47

City of Prague Territorial Analysis Materials 2016 – Schematics

9 25 Visitor density

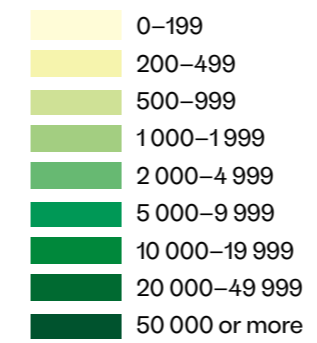




C48

Visitor density

NUMBER OF PERSONS/km²

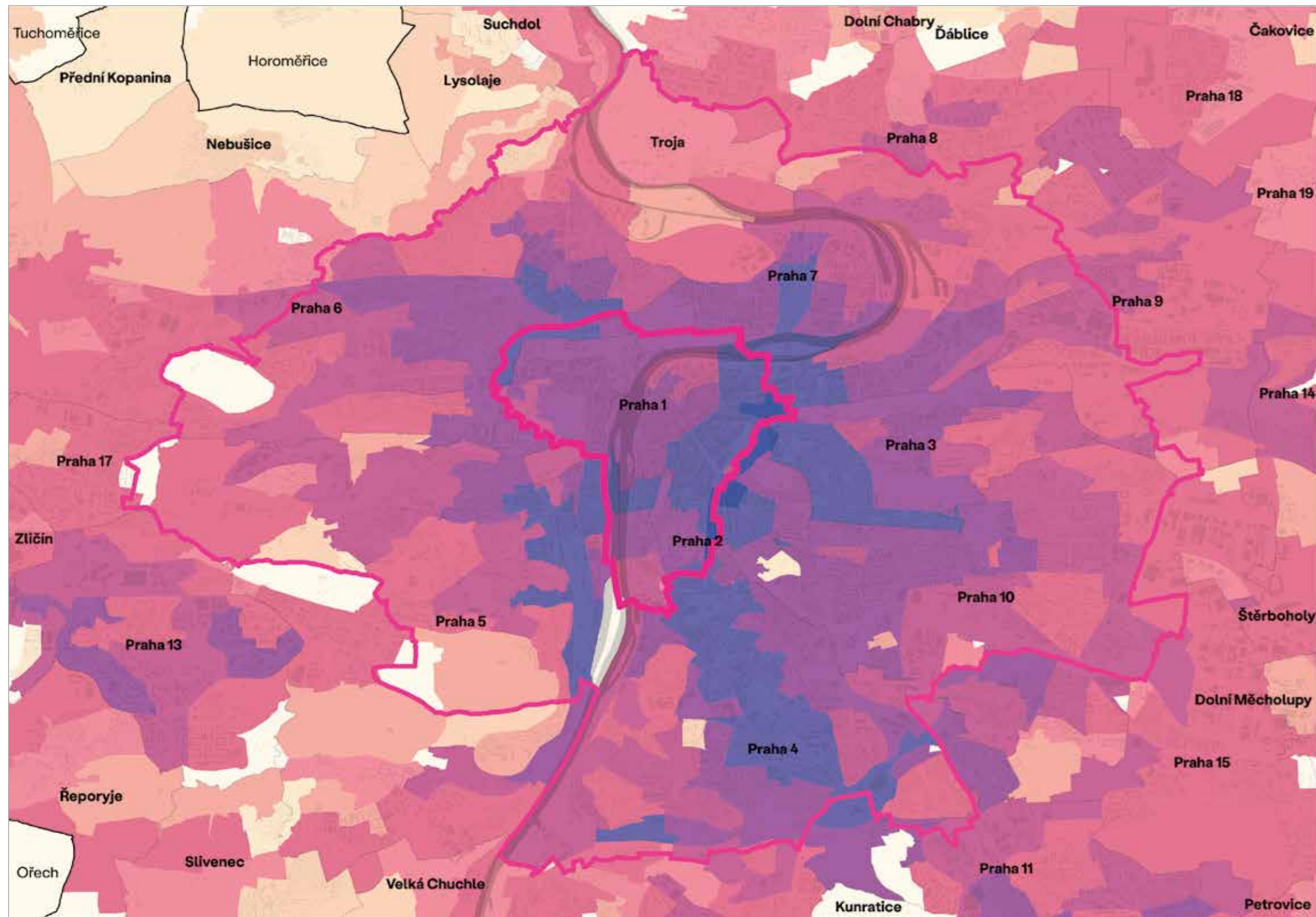


C49

City of Prague Territorial Analysis Materials 2016 – Schematics

9 26 People in transit on
average workday

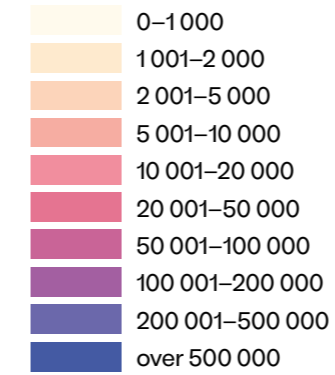




C50

People in transit on average workday

NUMBER OF PERSONS/km²

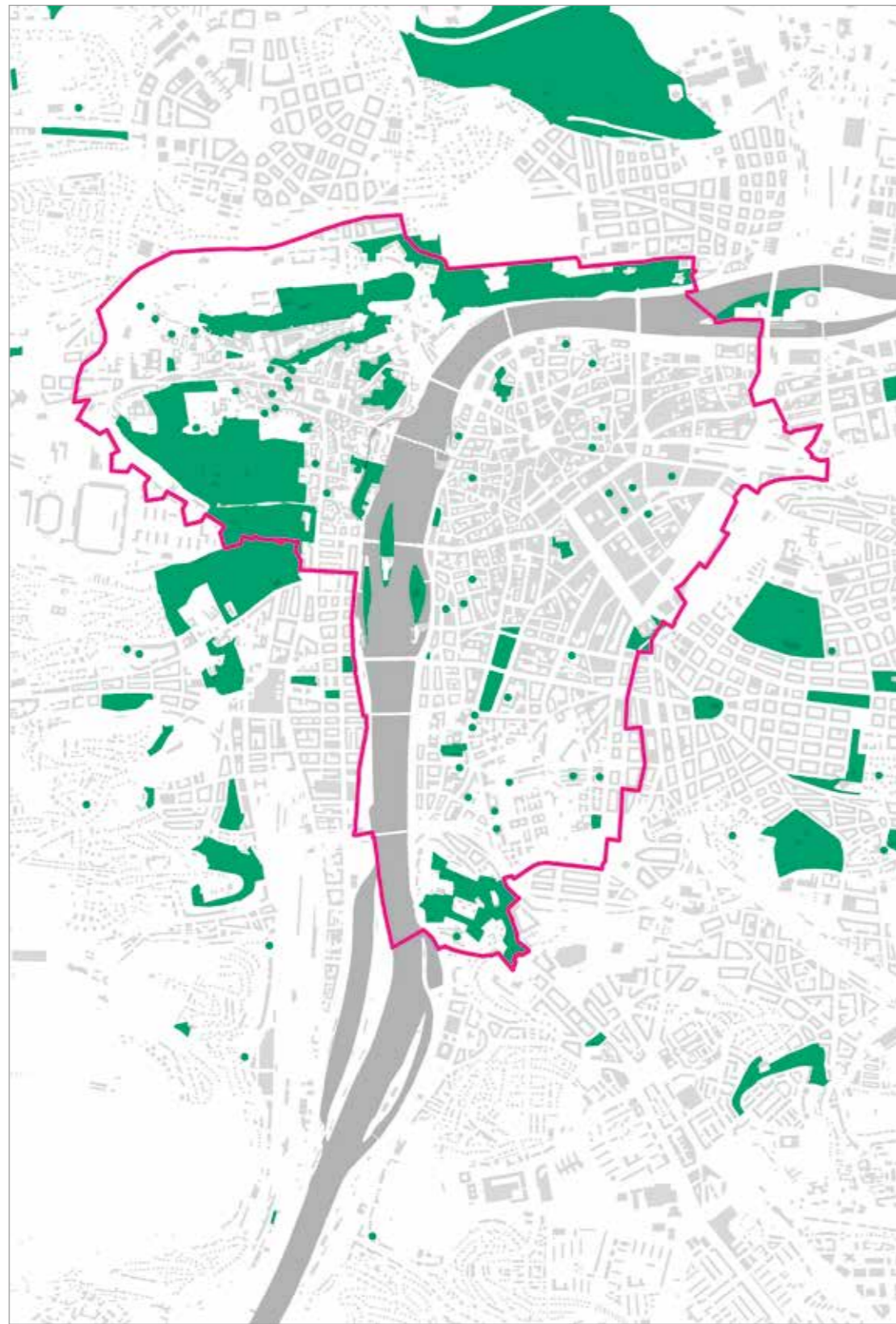


C51

City of Prague Territorial Analysis Materials 2016 – Schematics

9 27 Historic gardens and parks





C52

Historic gardens and parks

Historic gardens and parks

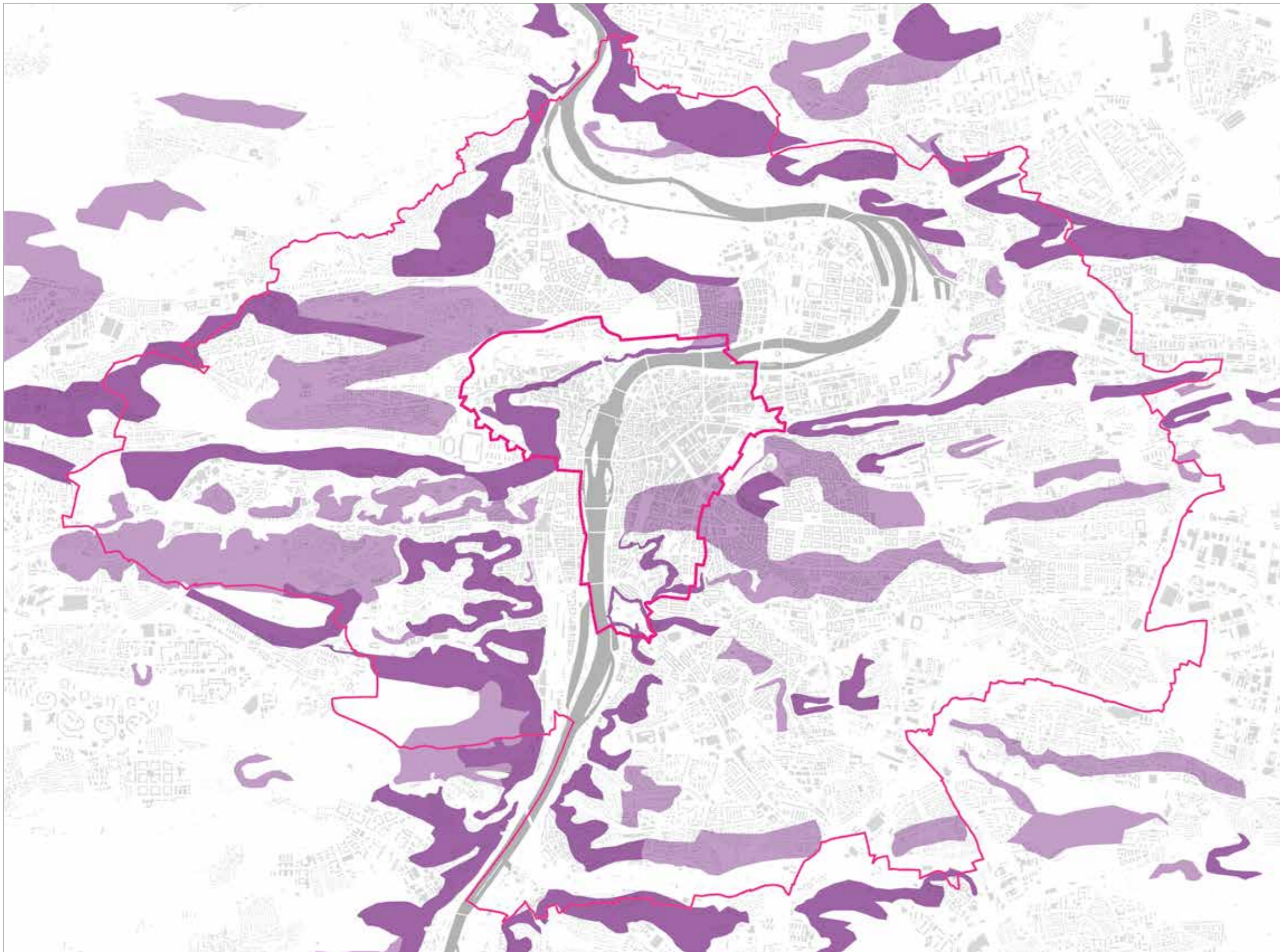
City of Prague Territorial Analysis Materials 2016 – Schematics

9 28 Visually important slopes
(composition of Prague slopes
and visibility threshold)

0 0,5 1km

C53





C54

Visually important slopes

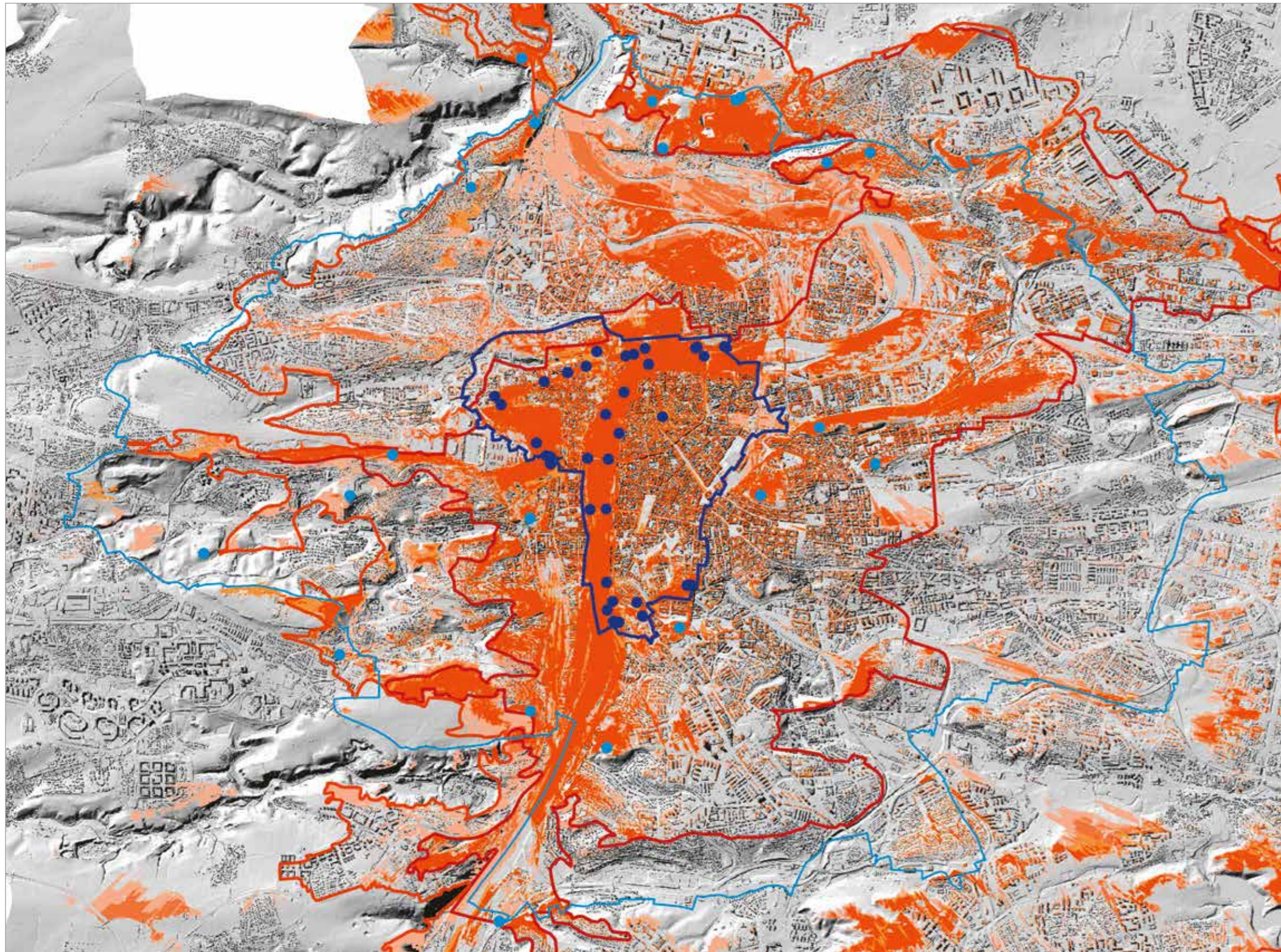


C55

City of Prague Territorial Analysis Materials 2016 – Schematics

9 29 Visibility of city from
Heritage Reservation





C56

Visibility of city from Heritage Reservation

SELECTED OBSERVATION POINTS FOR CALCULATION OF VISIBILITY

- points within Prague Heritage Reservation
- points within buffer zone
- border of Heritage Reservation
- border of buffer zone
- ▭ visual horizon 1
- ▭ visual horizon 2
- visibility value

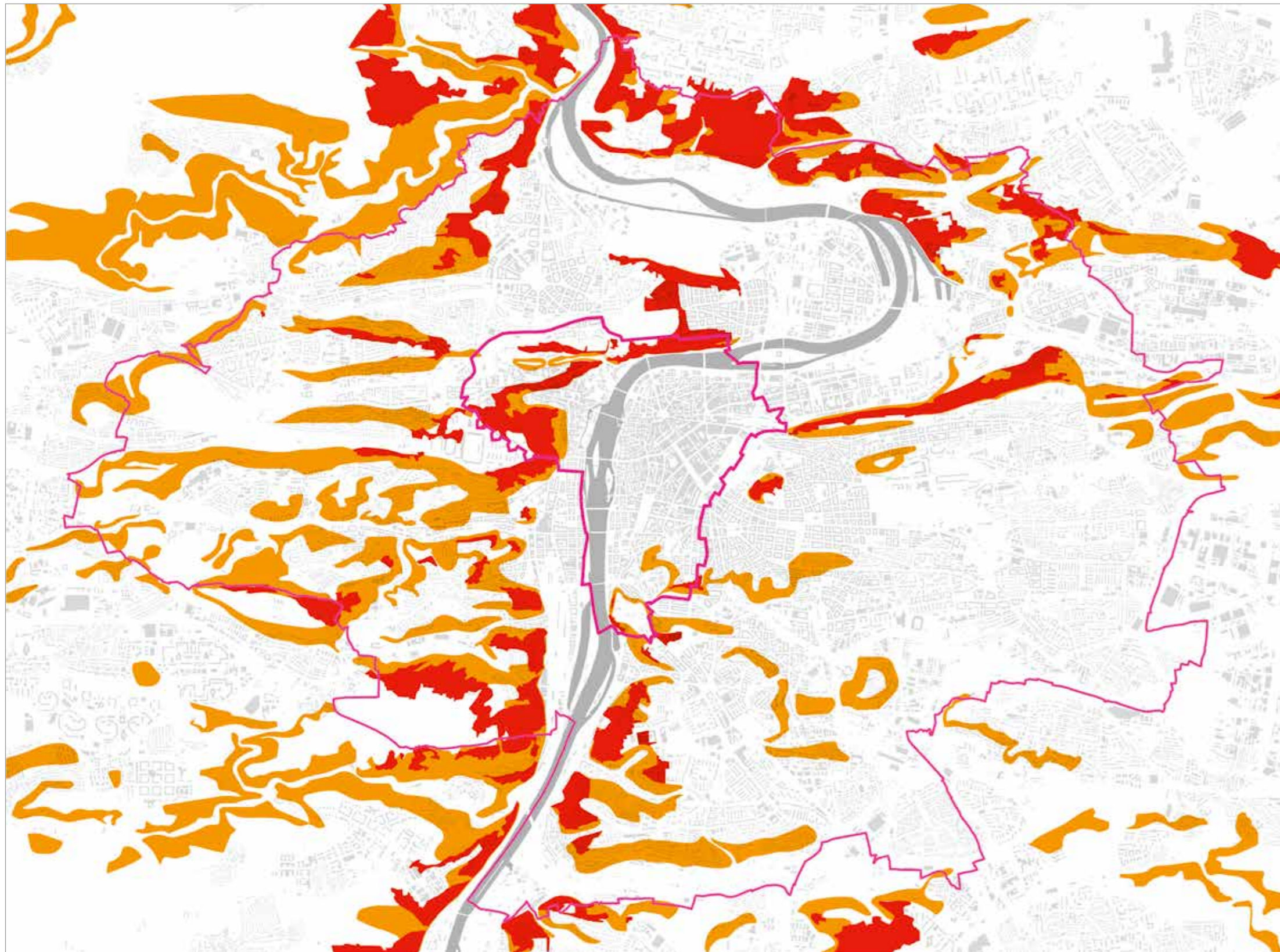


C57

City of Prague Territorial Analysis Materials 2016 – Schematics

9 30 Visually exposed slopes
of the river's alluvial plain
and steep hillsides





C58

Visually exposed slopes of the river's alluvial plain and steep hillsides

- visually exposed slopes of river's alluvial plane
- steep hillsides

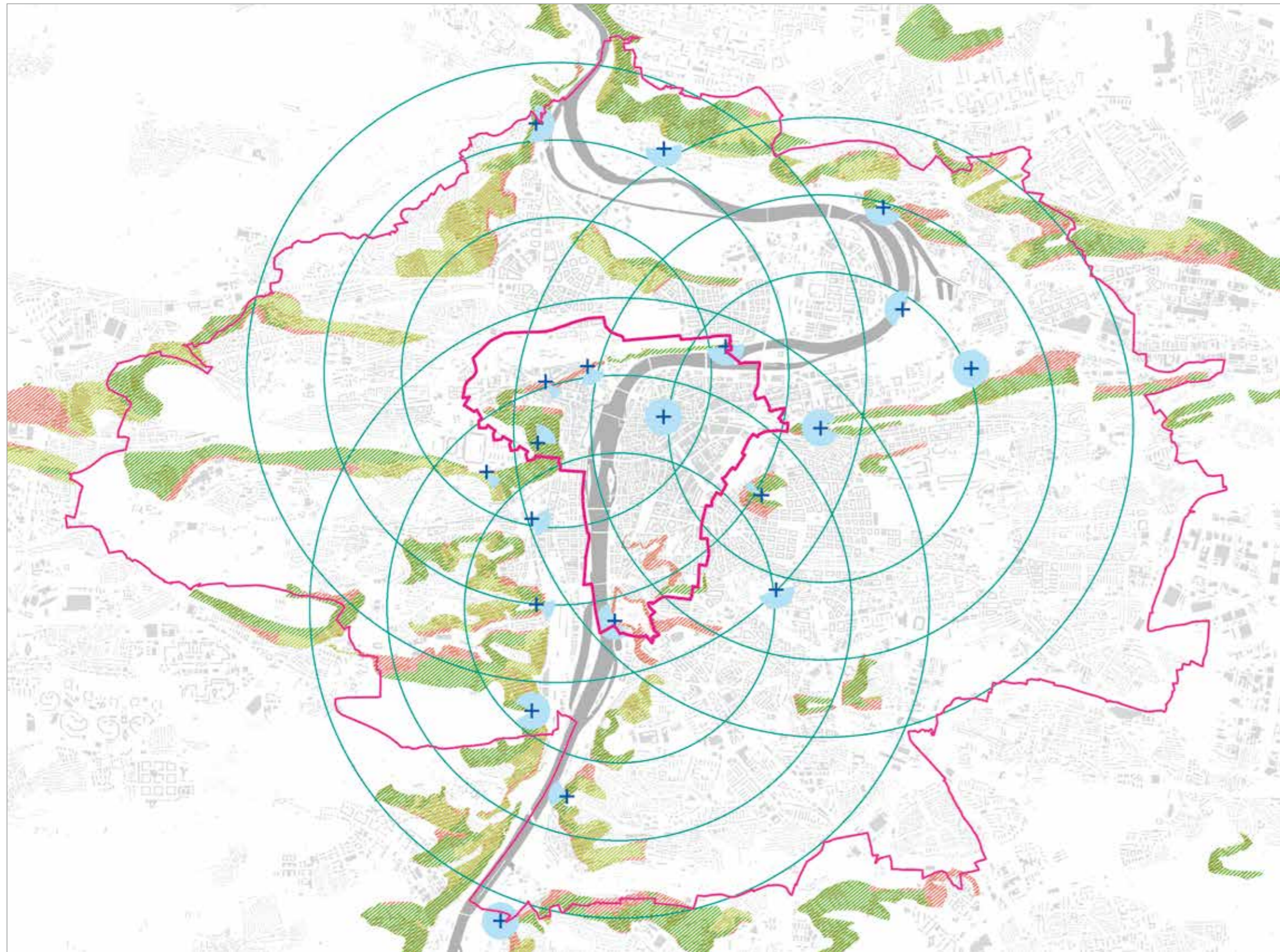


C59

City of Prague Territorial Analysis Materials 2016 – Schematics

9 31 Composition of Prague's
slopes and visibility threshold





C60

Composition of Prague's slopes and visibility threshold

- + important observation points
- field of vision
- visibility threshold from Vitkov, Vyšehrad and Prague Castle
- built-up slopes
- undeveloped slopes
- built-up slopes with structure of garden city or village
- gradient hatch
- gradient hatch

0 1 2 km

C61

City of Prague Territorial Analysis Materials 2016 – Schematics

9 32 Land owned by the
City of Prague





C62

Land owned by the City of Prague



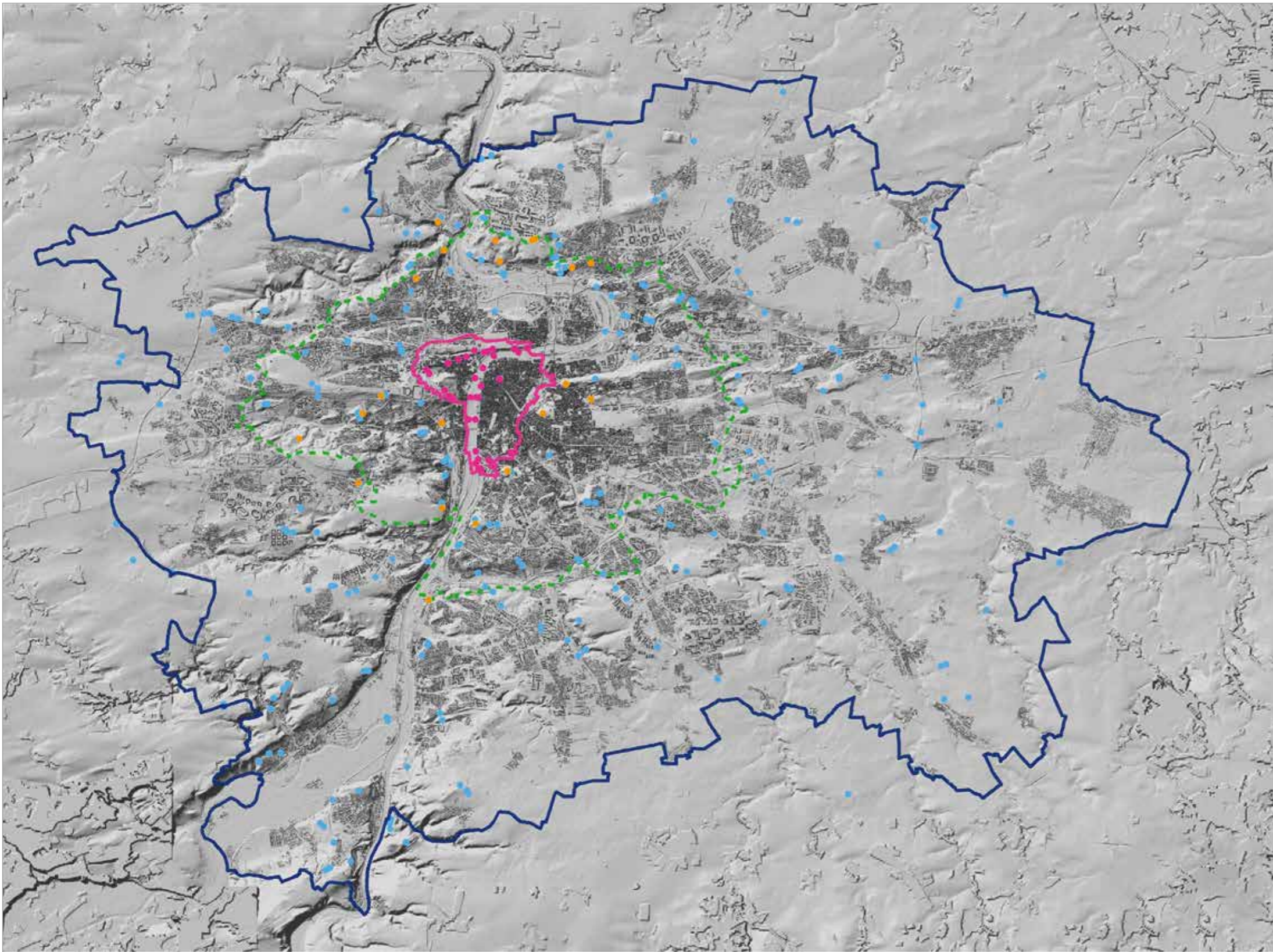
City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 33 Significant viewpoints
in relation to PHR



C63





C64

Significant viewpoints in relation to PHR

- points within the PHR
- selected points in the PHR buffer zone
- other points
- PHR
- PHR buffer zone

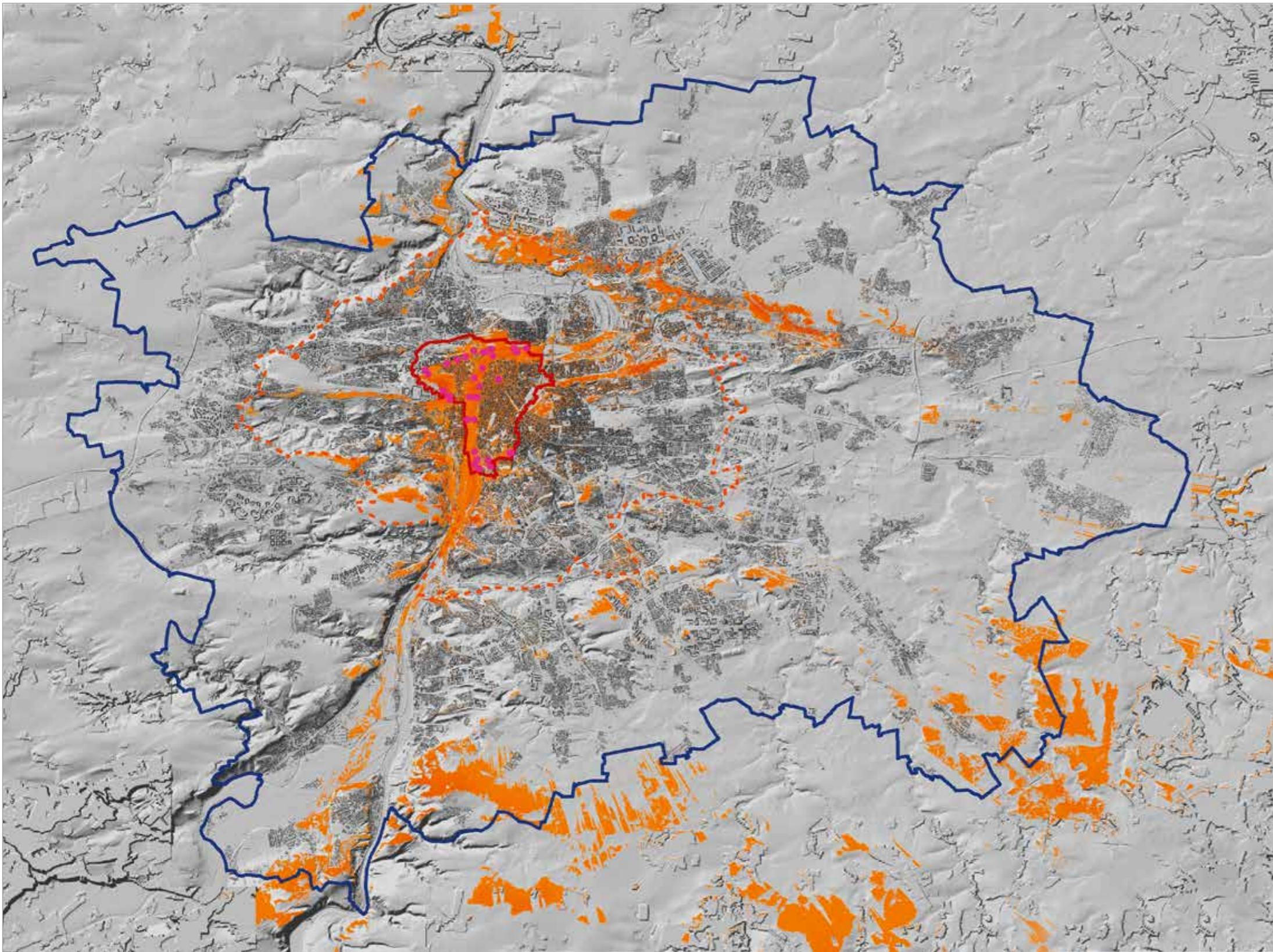


C65

City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 34 Visibility from points
within PHR





C66

Visibility from points within PHR

- points in PHR
- PHR
- PHR buffer zone

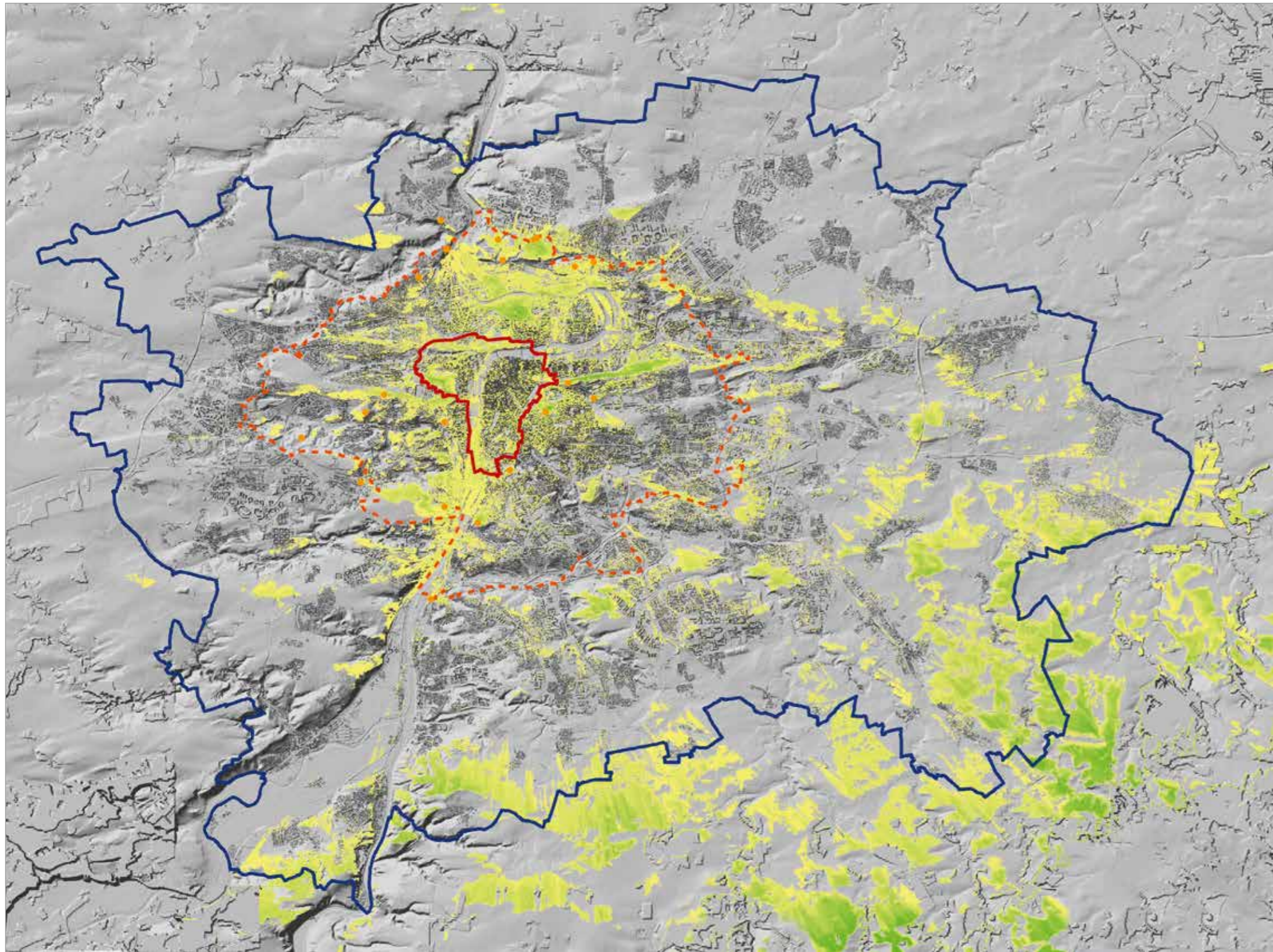
City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 35 Visibility from selected
points in buffer zone



C67





C68

Visibility from selected points in buffer zone

- selected points in PHR buffer zone
- PHR
- PHR buffer zone

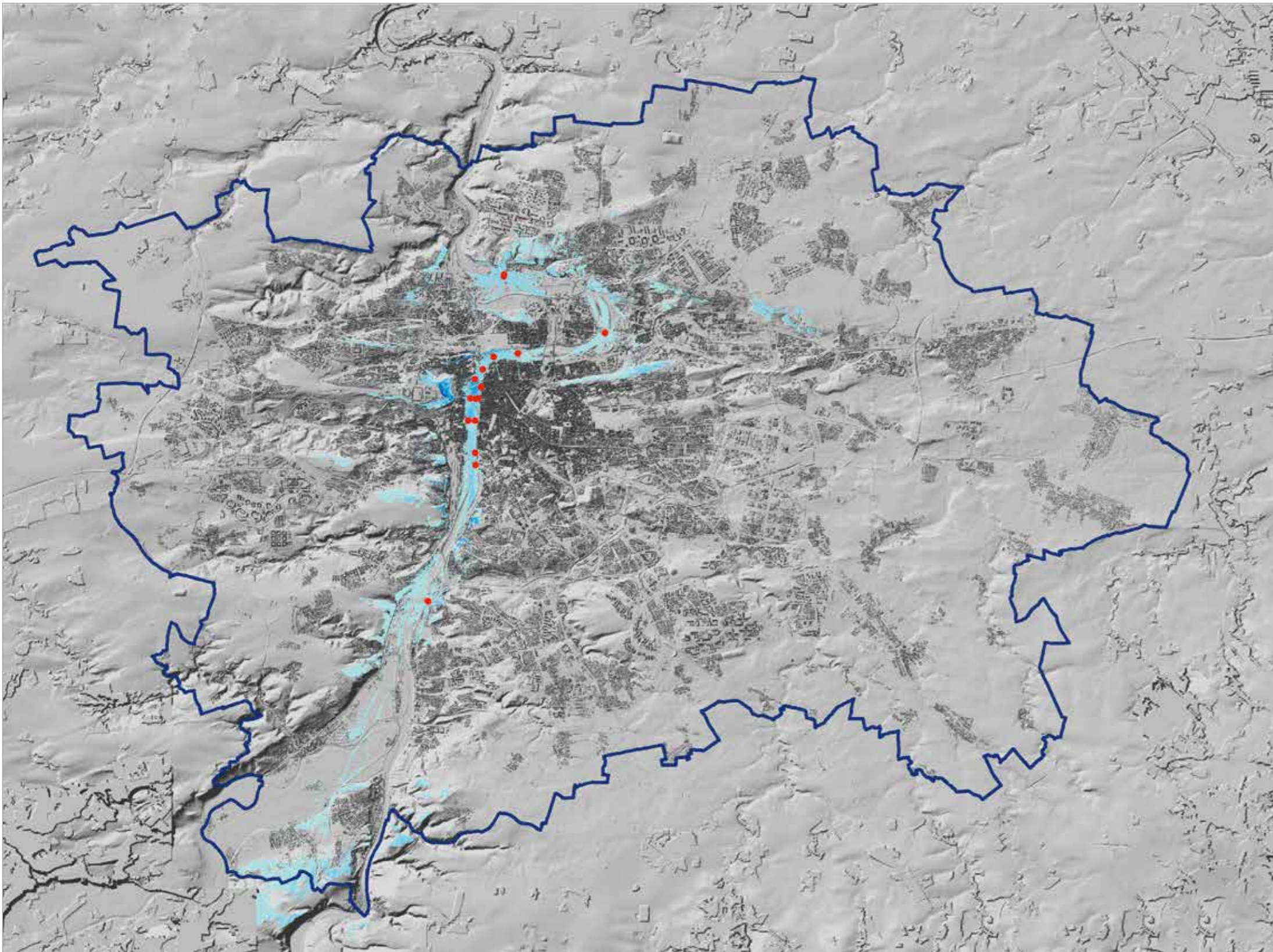


C69

City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 36 Visibility from selected points
within the Vltava alluvial plain



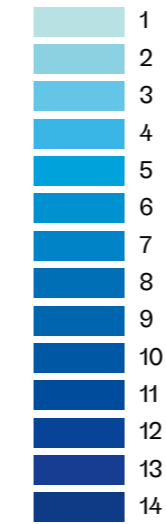


C70

Visibility from selected points within the Vltava alluvial plain

● selected points in the Vltava alluvial plain

NUMBER OF POINTS

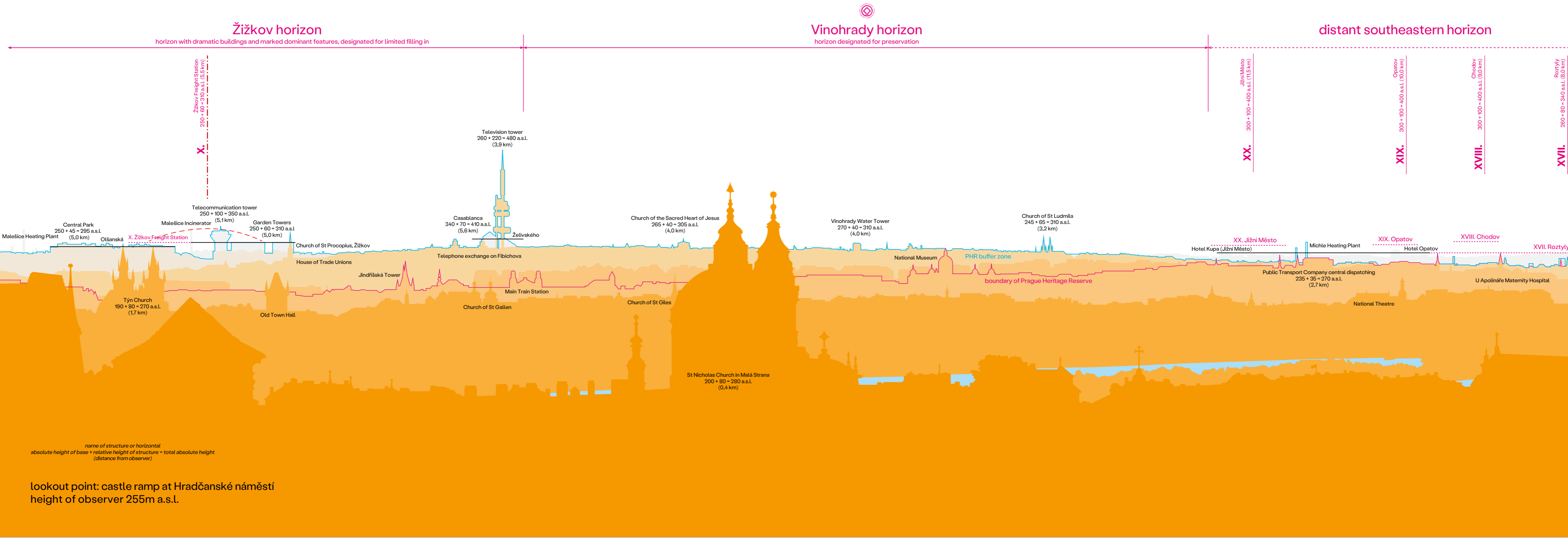


C71

City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

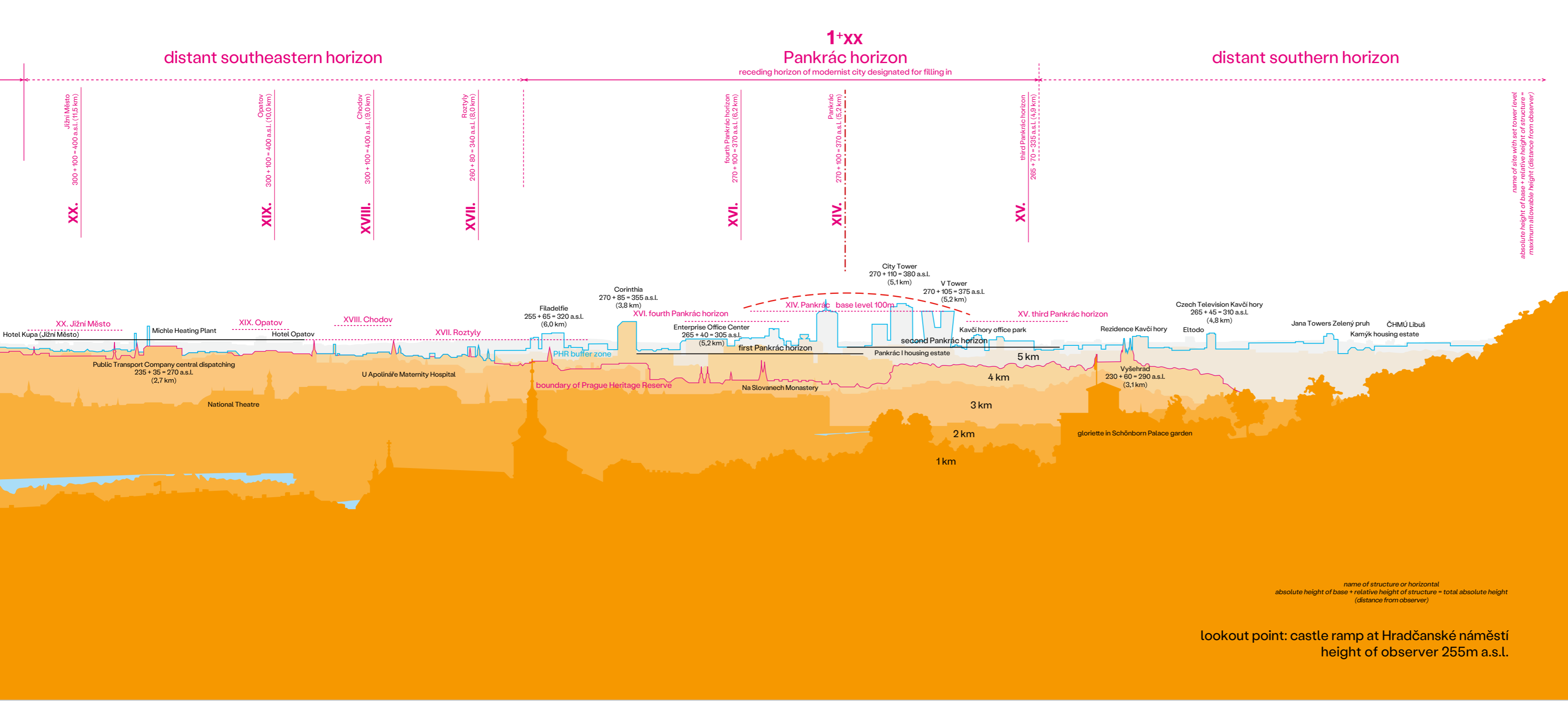
9 37 Panoramas
Lookout point: castle ramp at
Hradčanské náměstí (height
of observer 255 m a.s.l.)





City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 38 Panoramas
Lookout point: Petřín Lookout Tower
(height of observer 380 m a.s.l.)



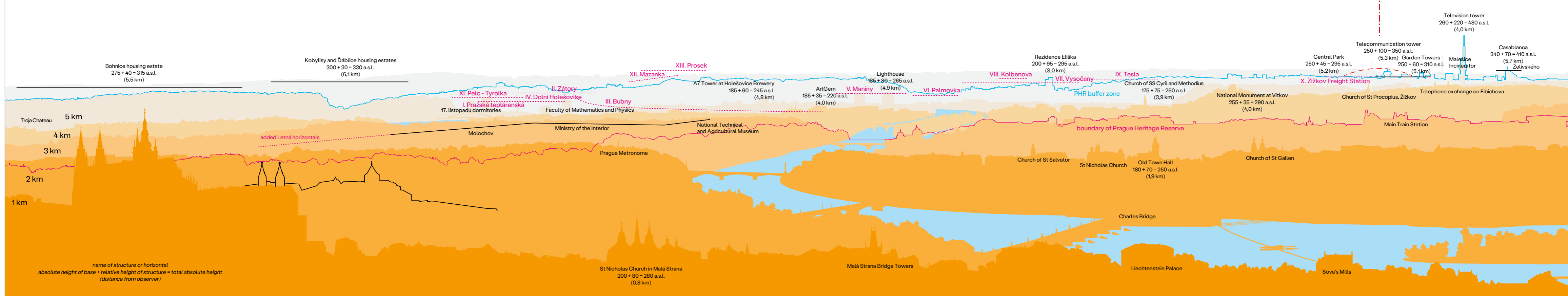
distant northeastern horizon

Bubny transformation area

Vysočany valley

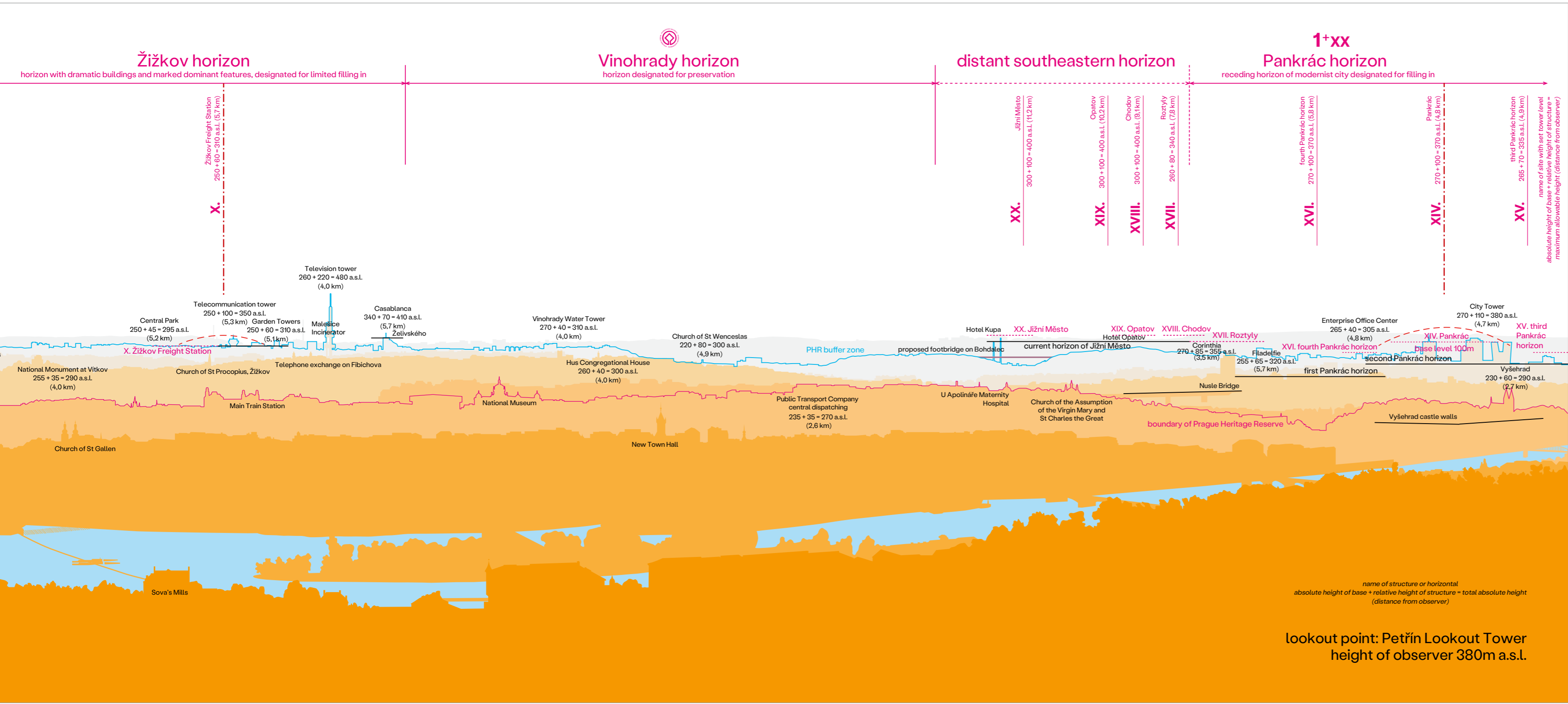
Žižkov horizon

horizon with dramatic buildings and marked dominant features, designated for limited filling in



name of structure or horizontal
absolute height of base + relative height of structure = total absolute height
(distance from observer)

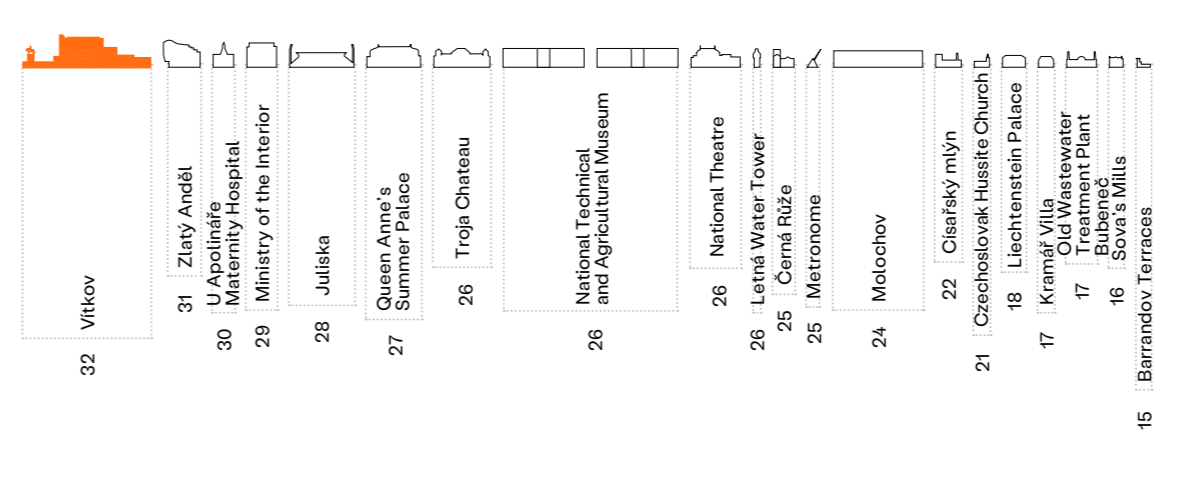
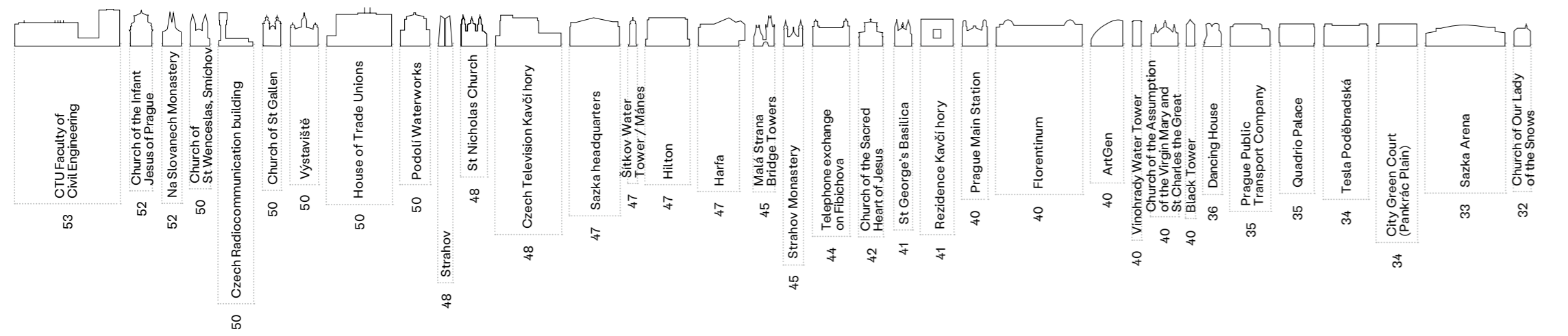
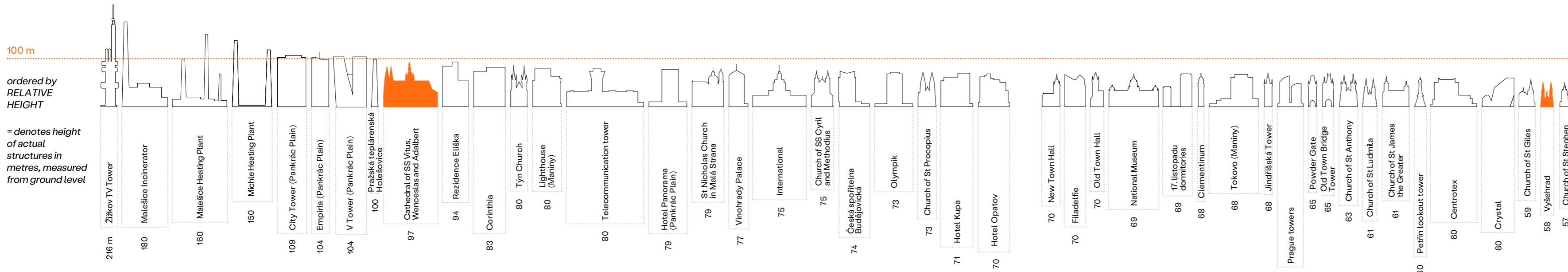
lookout point: Petřín Lookout Tower
height of observer 380m a.s.l.



City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 39 Catalogue of high structures
(ordered by relative height)





City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 40 Catalogue of high structures (ordered by absolute height)



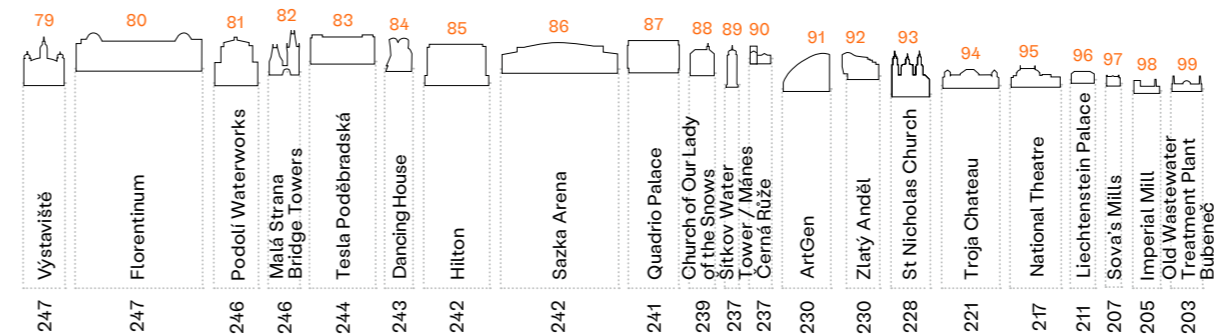
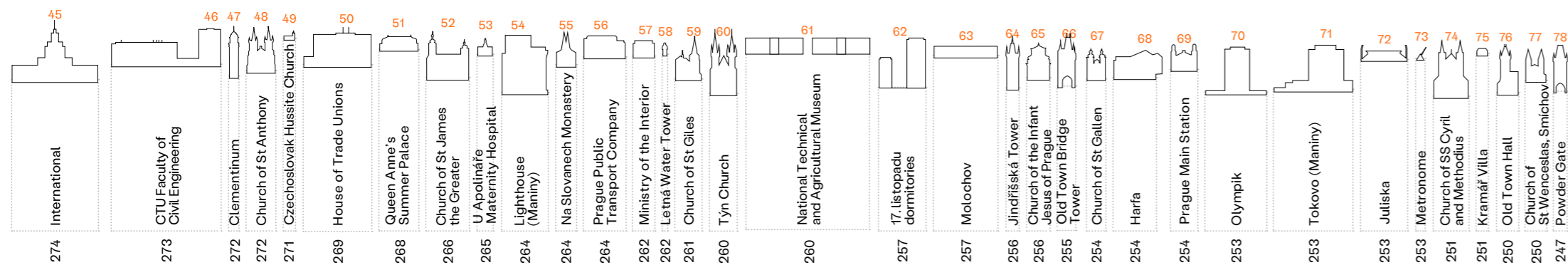
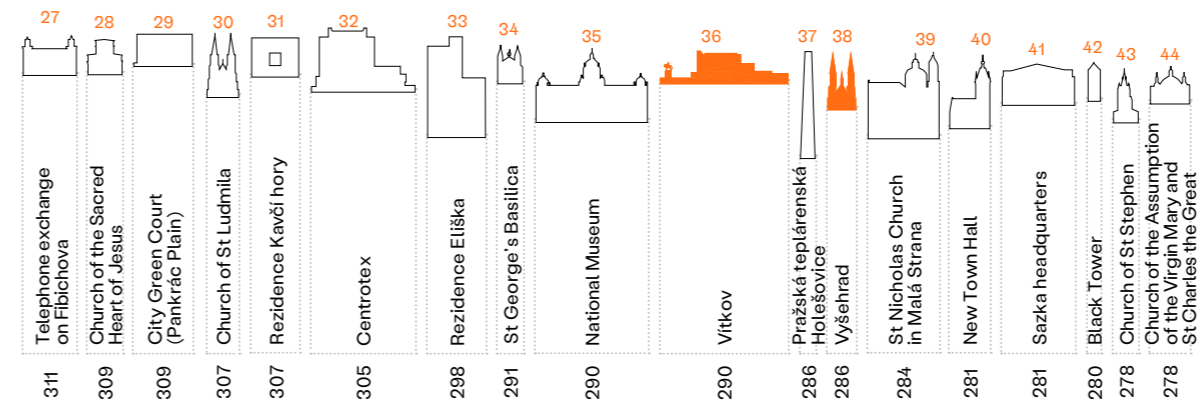
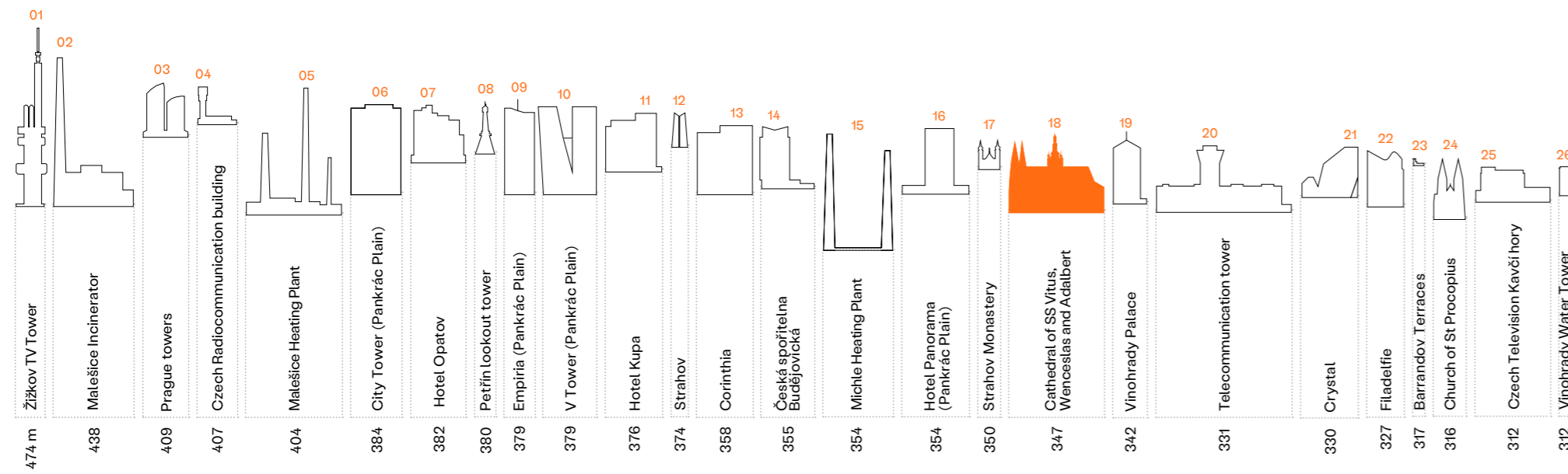
City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 41 Catalogue of high structures
(ordered by age)



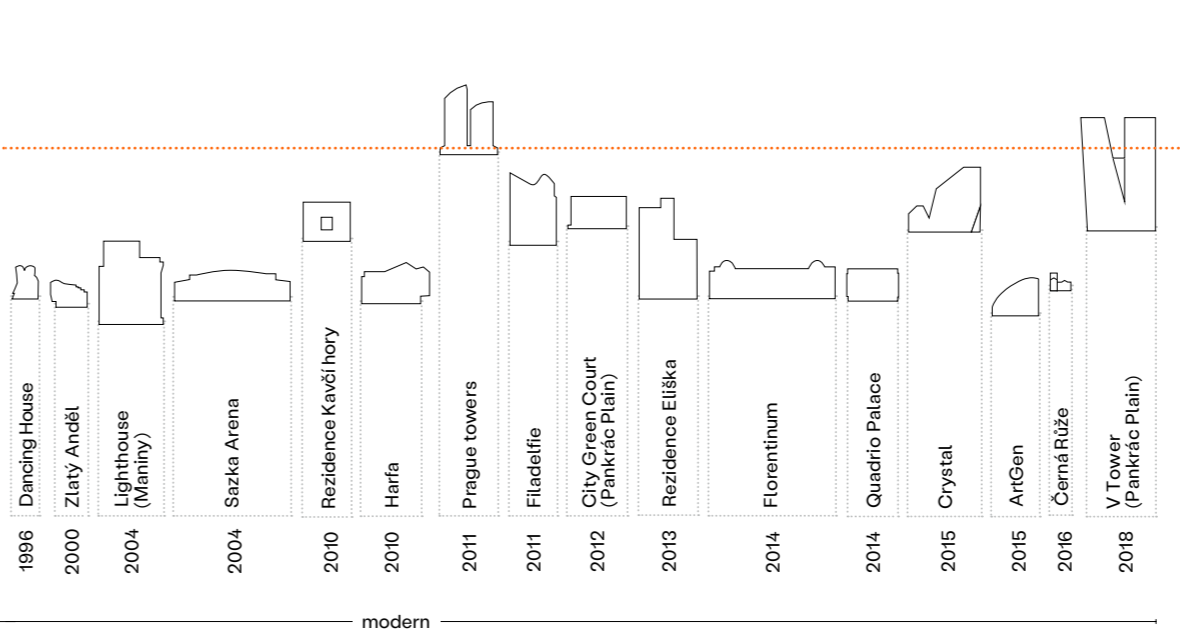
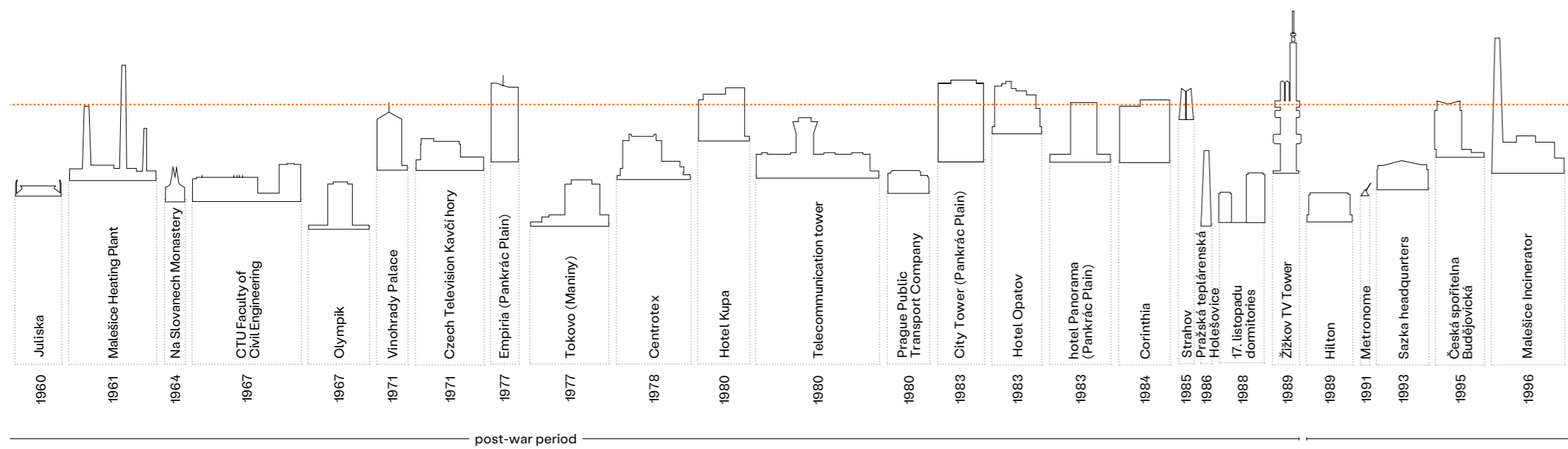
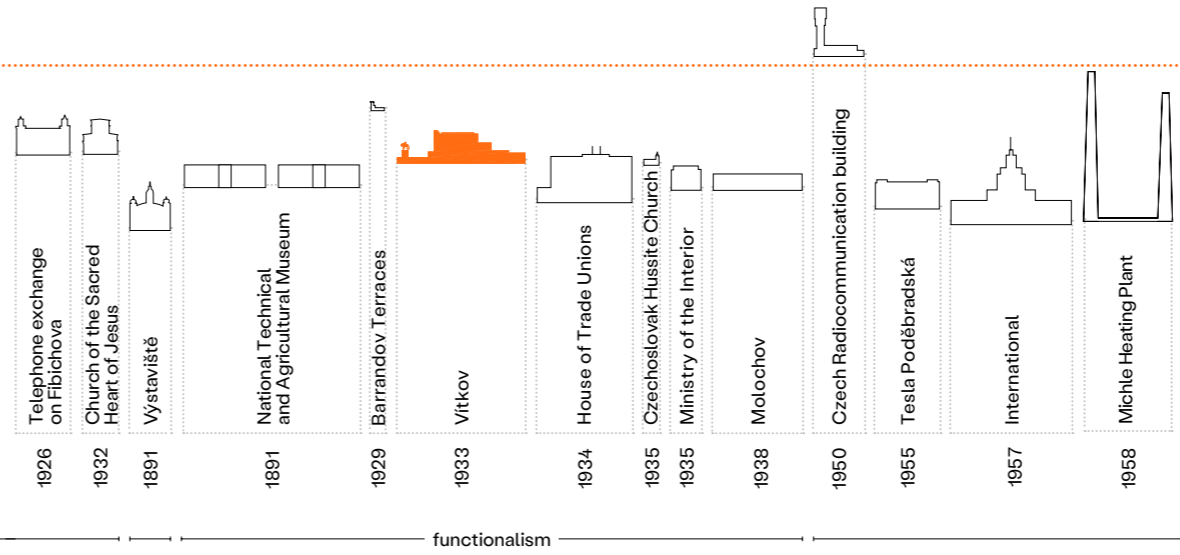
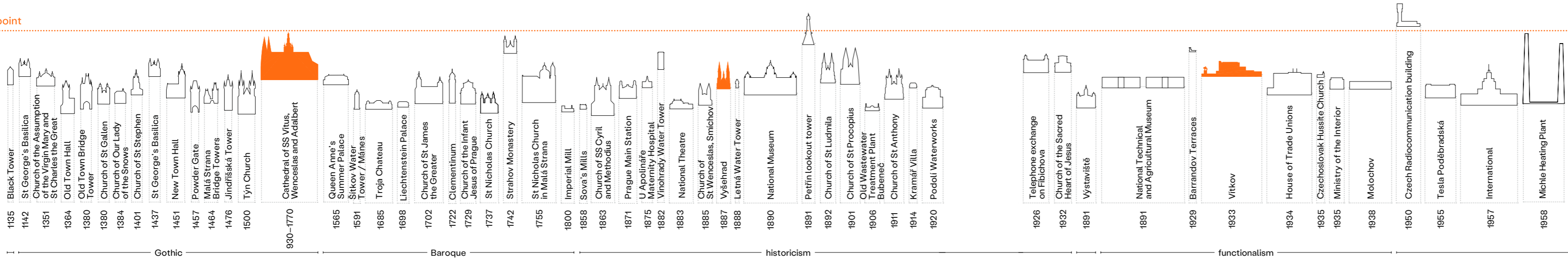
ordered by
ABSOLUTE
HEIGHT

= denotes the
height compared
to geographic
zero; comprised
therefore of
relative height
+ altitude of
building base



Hradčany
= level of highest point

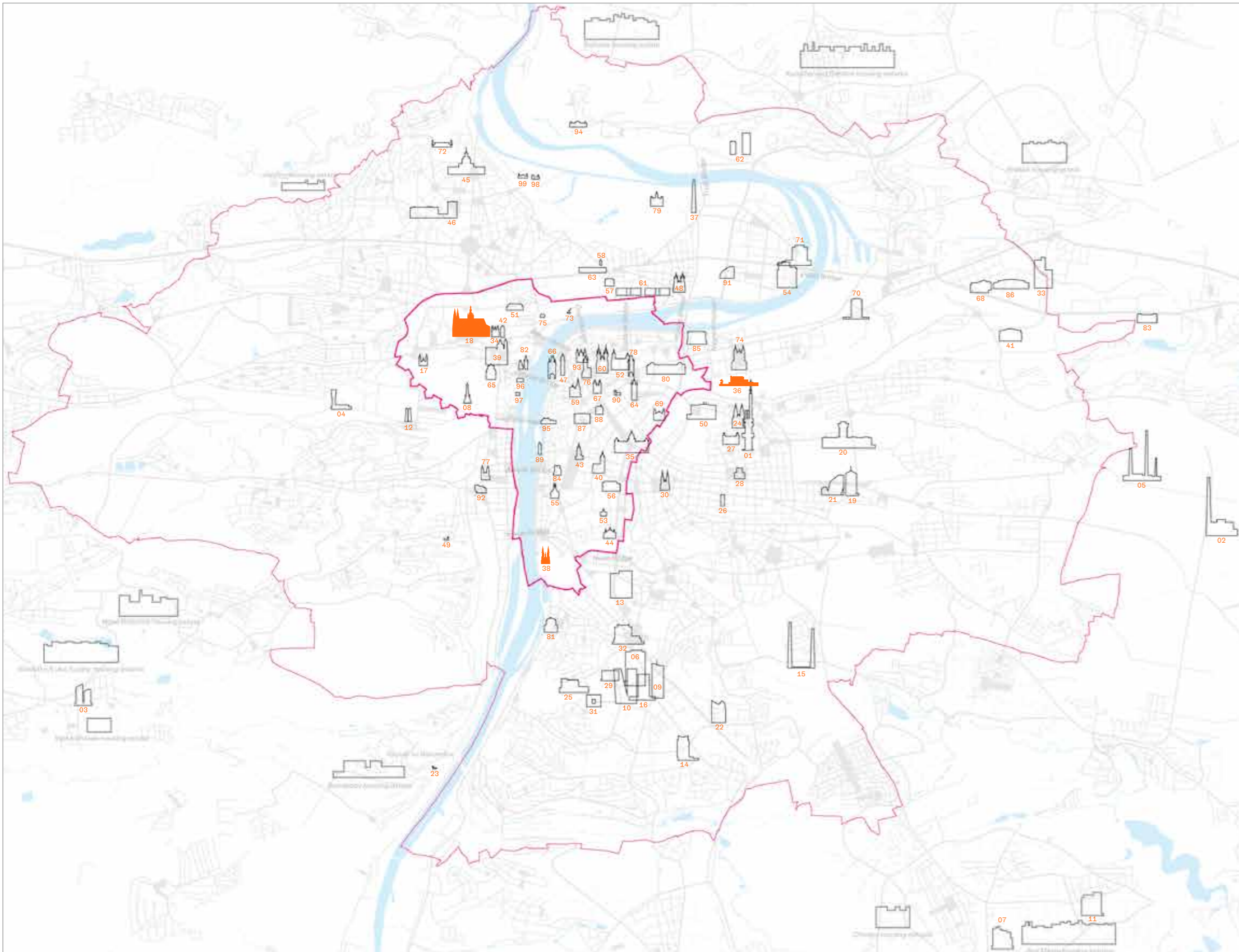
ordered
by AGE



City of Prague Territorial Analysis Materials 2008, visual horizon of Prague Heritage Reservation

9 42 Distribution of high structures within Prague





Catalogue of high structures in Prague

- | | | |
|--|---|---|
| 01 Žižkov TV Tower | 38 Vyšehrad | 74 Church of SS Cyril and Methodius |
| 02 Malešice Incinerator | 39 St Nicholas Church in Malá Strana | 75 Kramář Villa |
| 03 Prague towers | 40 New Town Hall | 76 Old Town Hall |
| 04 Czech Radiocommunication building | 41 Sazka headquarters | 77 Church of St Wenceslas, Smichov |
| 05 Malešice Heating Plant | 42 Black Tower | 78 Powder Gate |
| 06 City Tower (Pankrác Plain) | 43 Church of St Stephen | 79 Výstaviště |
| 07 Hotel Opatov | 44 Church of the Assumption of the Virgin Mary and St Charles the Great | 80 Florentinum |
| 08 Petřín lookout tower | 45 International | 81 Podolí Waterworks |
| 09 Empíria (Pankrác Plain) | 46 CTU Faculty of Civil Engineering | 82 Malá Strana Bridge Towers |
| 10 V Tower (Pankrác Plain) | 47 Clementinum | 83 Tesla Poděbradská |
| 11 Hotel Kupa | 48 Church of St Anthony | 84 Dancing House |
| 12 Strahov | 49 Czechoslovak Hussite Church | 85 Hilton |
| 13 Corinthia | 50 House of Trade Unions | 86 Sazka Arena |
| 14 Česká spořitelna Budějovická | 51 Queen Anne's Summer Palace | 87 Quadrio Palace |
| 15 Michle Heating Plant | 52 Church of St James the Greater | 88 Church of Our Lady of the Snows |
| 16 Hotel Panorama (Pankrác Plain) | 53 U Apolináře Maternity Hospital | 89 Šitkov Water Tower / Mánes |
| 17 Strahov Monastery | 54 Lighthouse (Maniny) | 90 Černá Růže |
| 18 Cathedral of SS Vitus, Wenceslas and Adalbert | 55 Na Slovanech Monastery | 91 Artgen |
| 19 Vinohrady Palace | 56 Prague Public Transport Company | 92 Zlatý Anděl |
| 20 Telecommunication tower | 57 Ministry of the Interior | 93 St Nicholas Church |
| 21 Crystal | 58 Letná Water Tower | 94 Troja Chateau |
| 22 Filadelfie | 59 Church of St Giles | 95 National Theatre |
| 23 Barrandov Terraces | 60 Týn Church | 96 Liechtenstein Palace |
| 24 Church of St Procopius | 61 National Technical and Agricultural Museum | 97 Sova's Mills |
| 25 Czech Television Kavčí hory | 62 17. listopadu dormitories | 98 Imperial Mill |
| 26 Vinohrady Water Tower | 63 Moločov | 99 Old Wastewater Treatment Plant Bubeneč |
| 27 Telephone exchange on Fibichova | 64 Jindřišská Tower | |
| 28 Church of the Sacred Heart of Jesus | 65 Church of the Infant Jesus of Prague | |
| 29 City Green Court (Pankrác Plain) | 66 Old Town Bridge Tower | |
| 30 Church of St Ludmila | 67 Church of St Gallen | |
| 31 Residence Kavčí hory | 68 Harfa | |
| 32 Centrotex | 69 Prague Main Station | |
| 33 Residence Eliška | 70 Olympik | |
| 34 St George's Basilica | 71 Tokovo (Maniny) | |
| 35 National Museum | 72 Juliska | |
| 36 Vítkov | 73 Metronome | |
| 37 Pražská teplárenská Holešovice | | |

Map depicting distribution of tall structures within Prague that can be seen in city skylines. Documents the fact that building height today generally rises from the centre to the periphery.

0 1 2 km

MANAGEMENT PLAN
FOR CONSERVATION OF
WORLD CULTURAL HERITAGE
OF THE HISTORIC CENTRE
OF PRAGUE – PART 001

doc. Ing. arch. Miroslav Cikán
Ing. arch. Jan Sedlák

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