

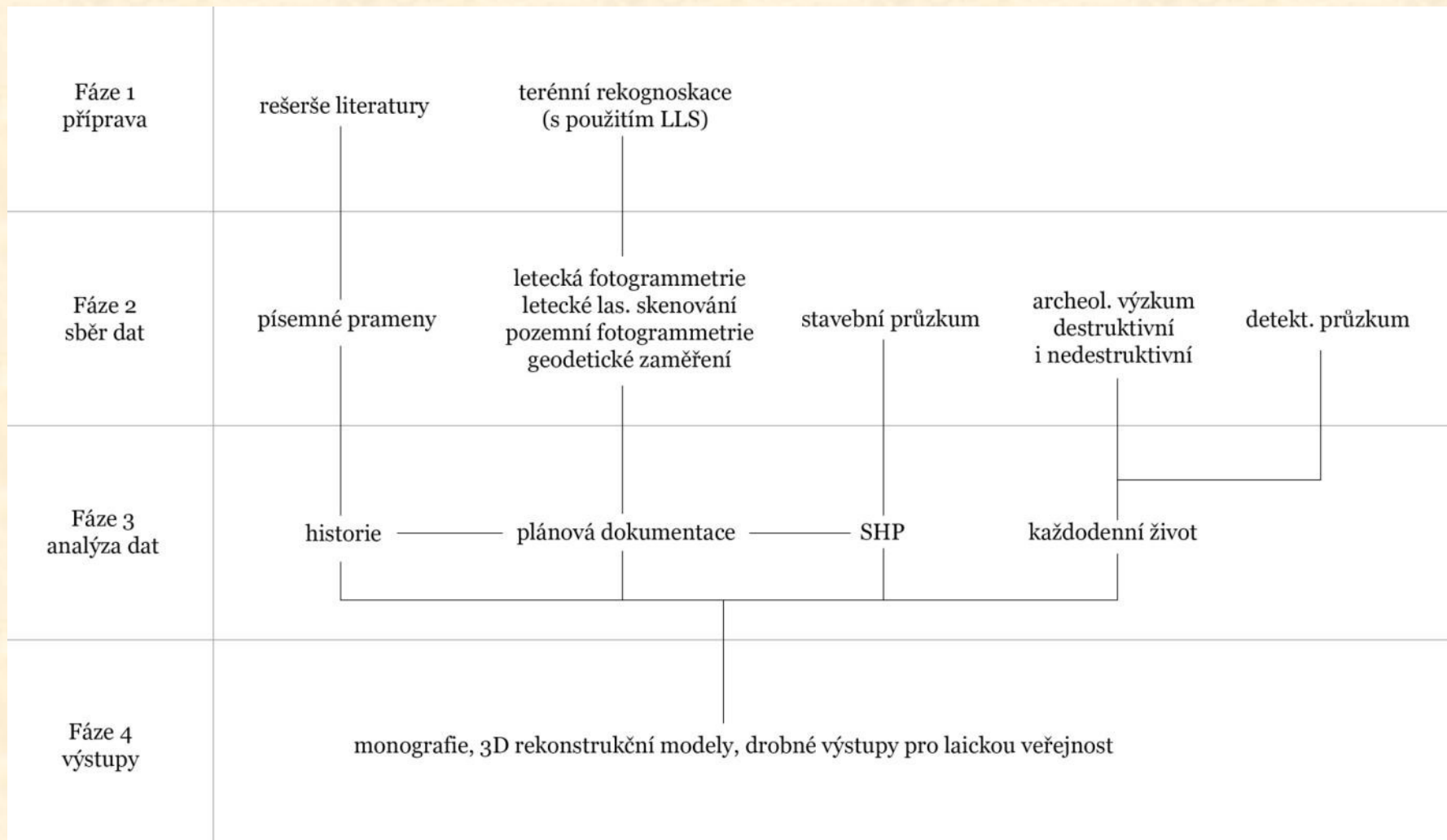


Milan Sýkora  
Středověké hrady – od dokumentace k vizualizaci  
Aneb dvojí život pyšných sídel mocných





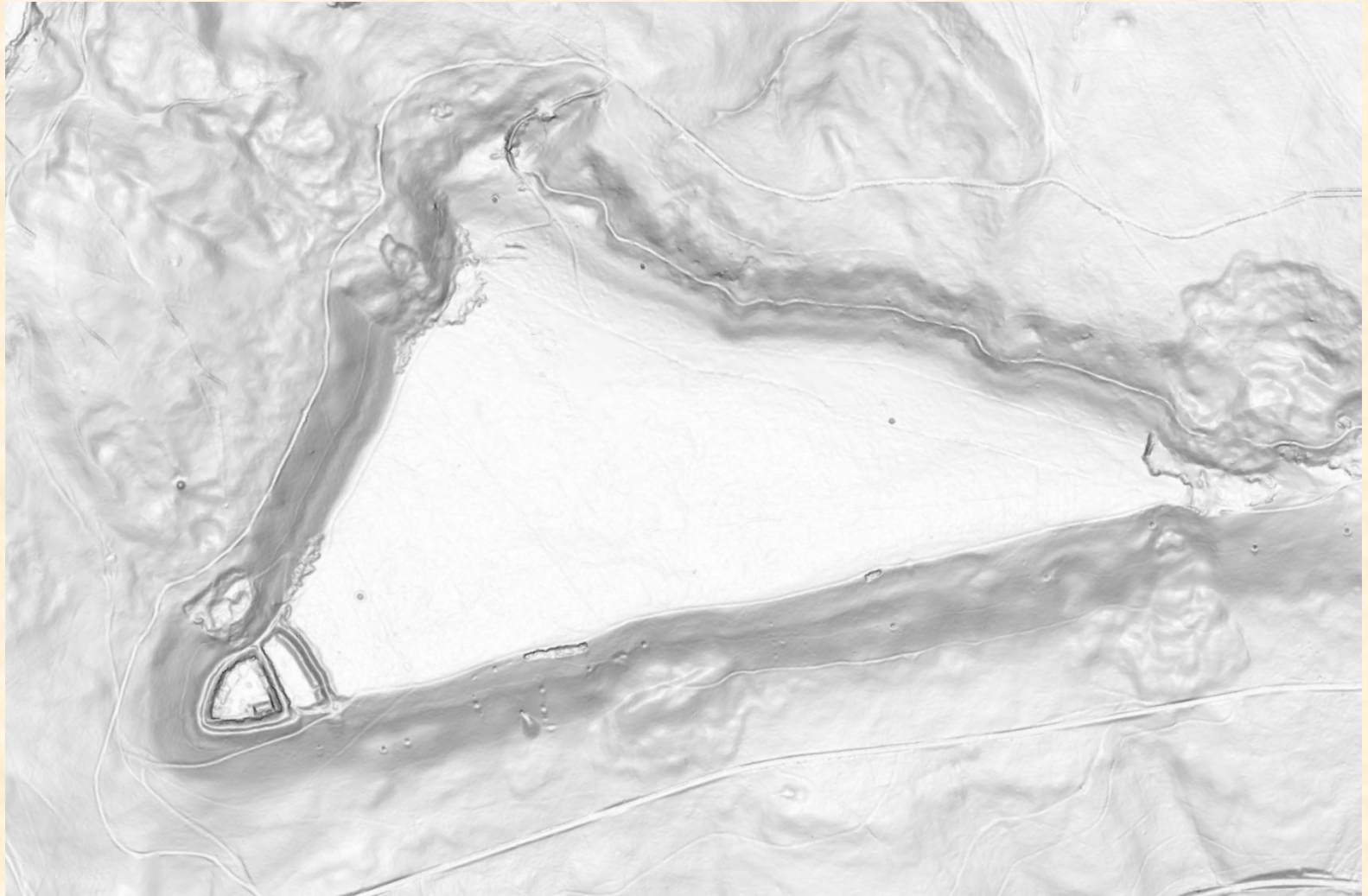




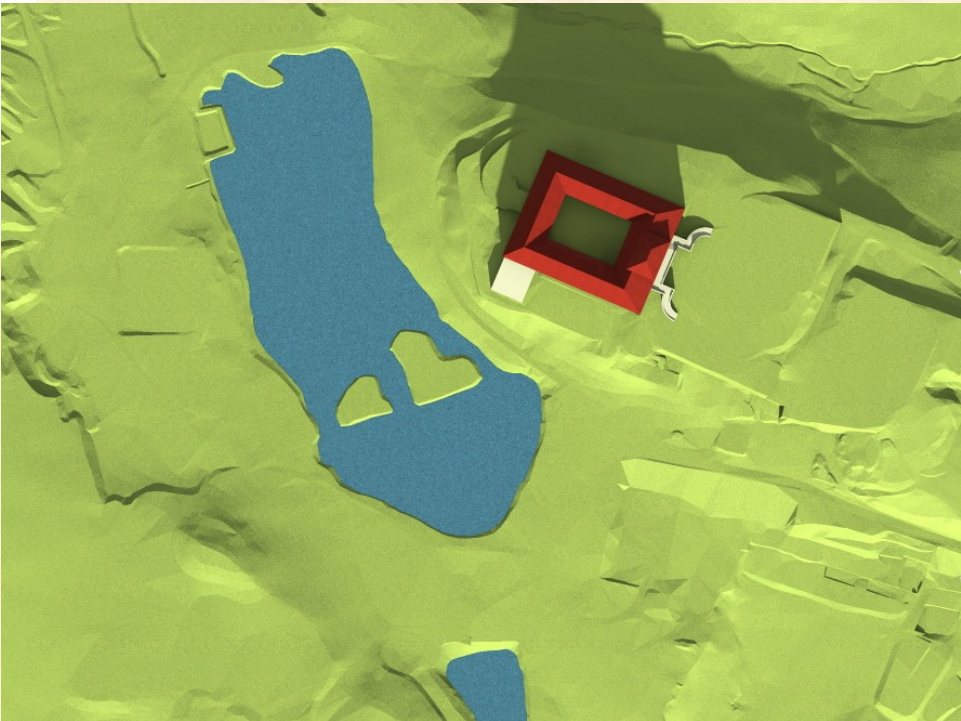






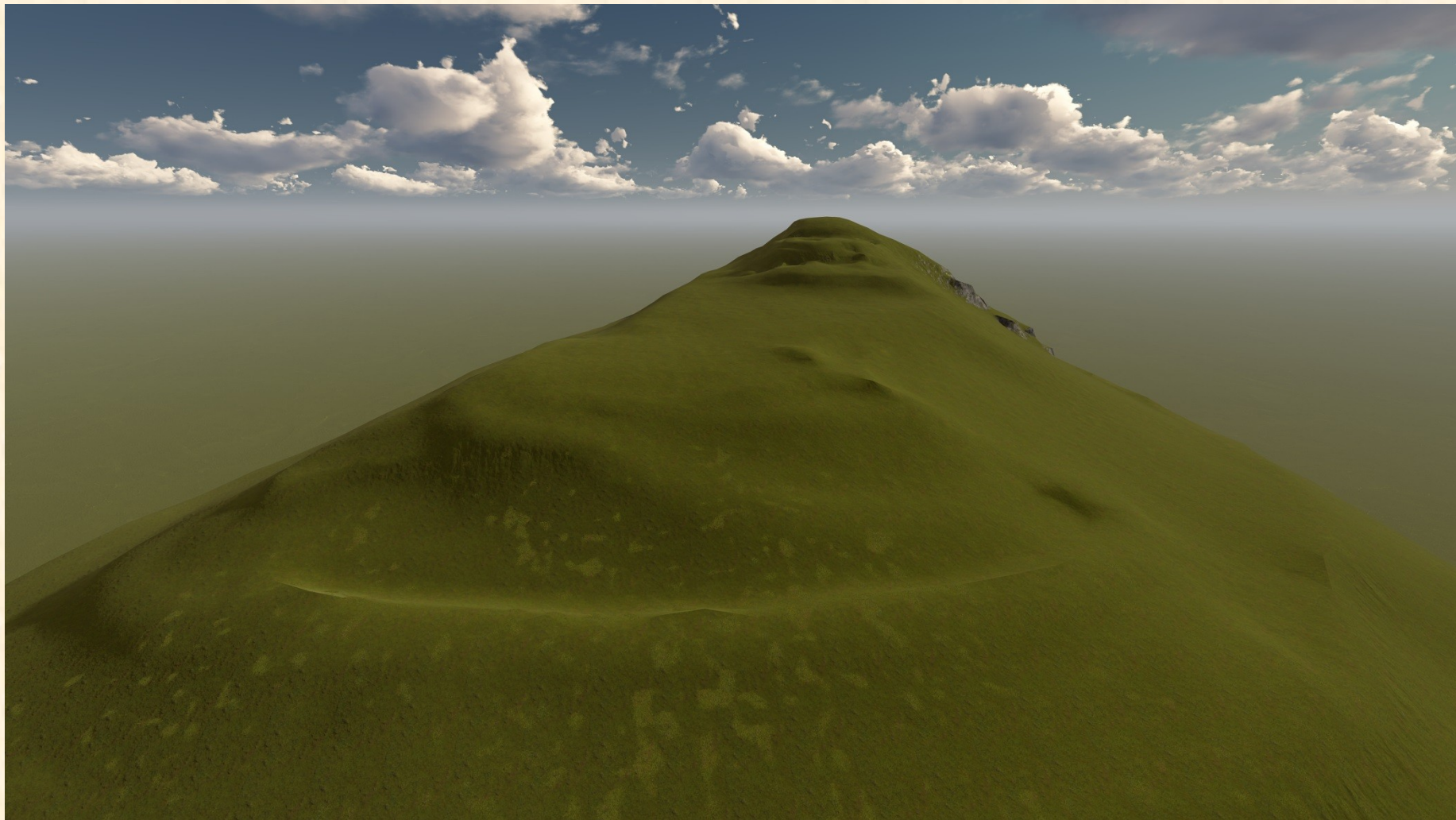




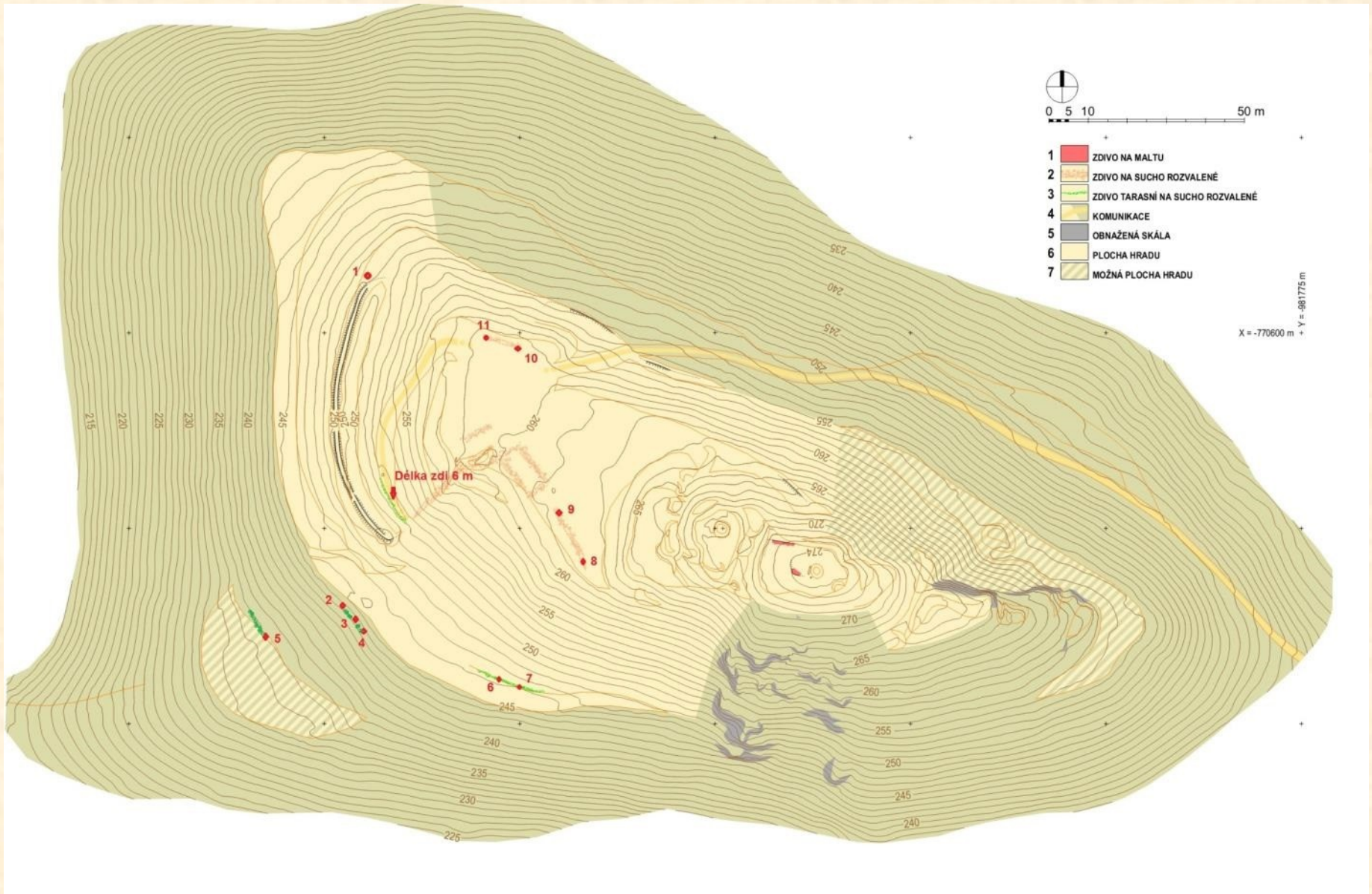




# Paradies



# Paradies



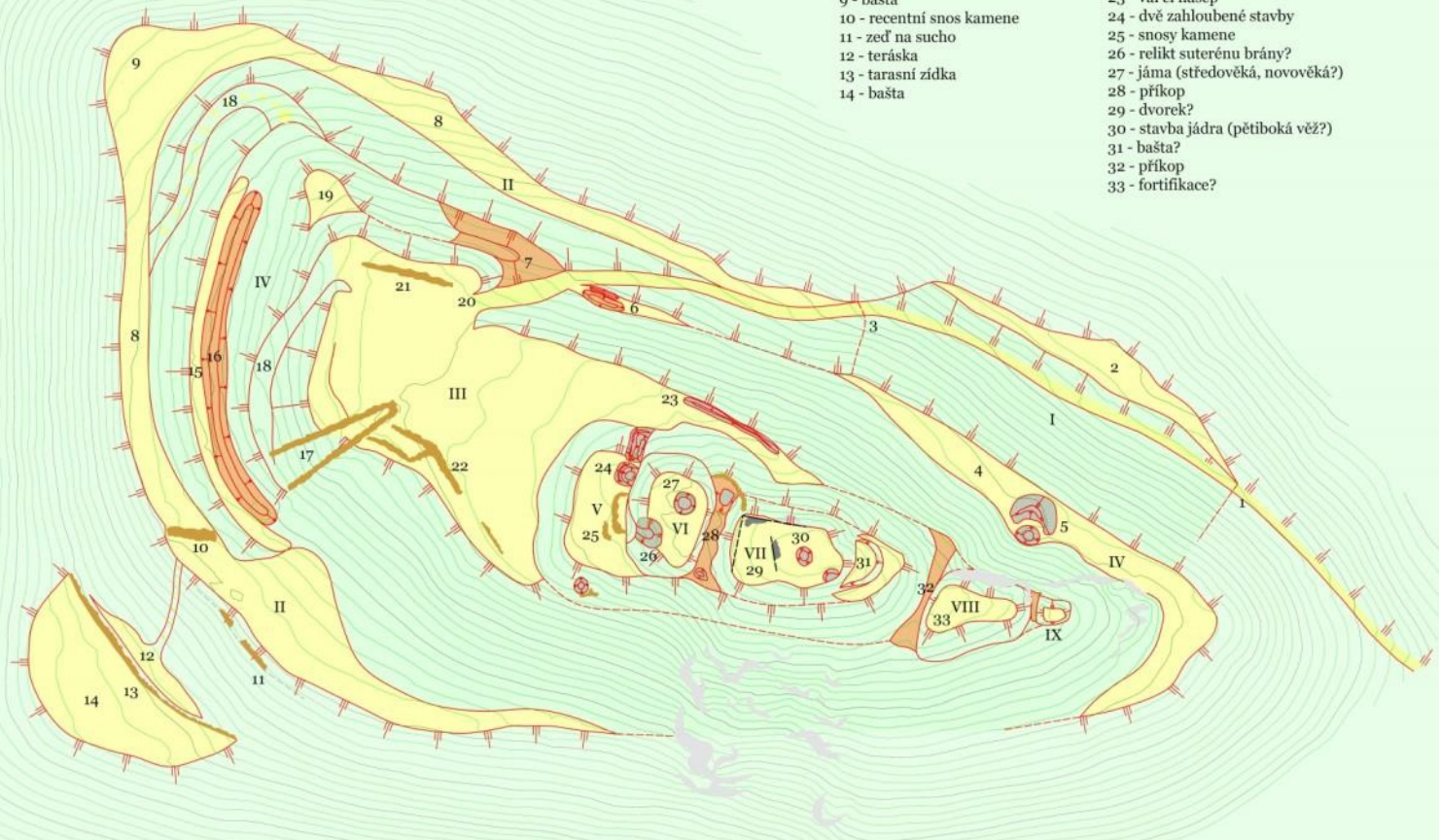


# Paradies

770 940

- rovné plochy
- svahy
- příkopy
- objekty
- zdi na maltu
- zdi na sucho

- 1 - první brána ?
- 2 - terasa
- 3 - druhá brána ?
- 4 - terasa
- 5 - recentní lom s odvalem
- 6 - terasa s příkopem a valem
- 7 - příkop
- 8 - spodní terasa
- 9 - bašta
- 10 - recentní snos kamene
- 11 - zeď na sucho
- 12 - teráska
- 13 - tarasní zídka
- 14 - bašta
- 15 - násep (val?)
- 16 - hubený příkop
- 17 - recentní snos kamene
- 18 - cesta
- 19 - bašta?
- 20 - třetí brána
- 21 - kámen, připravený pro stavbu fortifikace
- 22 - dtto
- 23 - val či násep
- 24 - dvě zahloubené stavby
- 25 - snos kamene
- 26 - relikv suterénu brány?
- 27 - jáma (středověká, novověká?)
- 28 - příkop
- 29 - dvorek?
- 30 - stavba jádra (pětiboká věž?)
- 31 - bašta?
- 32 - příkop
- 33 - fortifikace?



981 910

Letecká fotogrammetrie: Pavel Hlavenka  
 Geodetické zaměření: Stanislav Urbánek, Milan Sýkora  
 Tvorba plánu, interpretace: Milan Sýkora  
 Vyhotoveno pro Hrady Českého středohoří, z. s.  
 2017

0



200 m

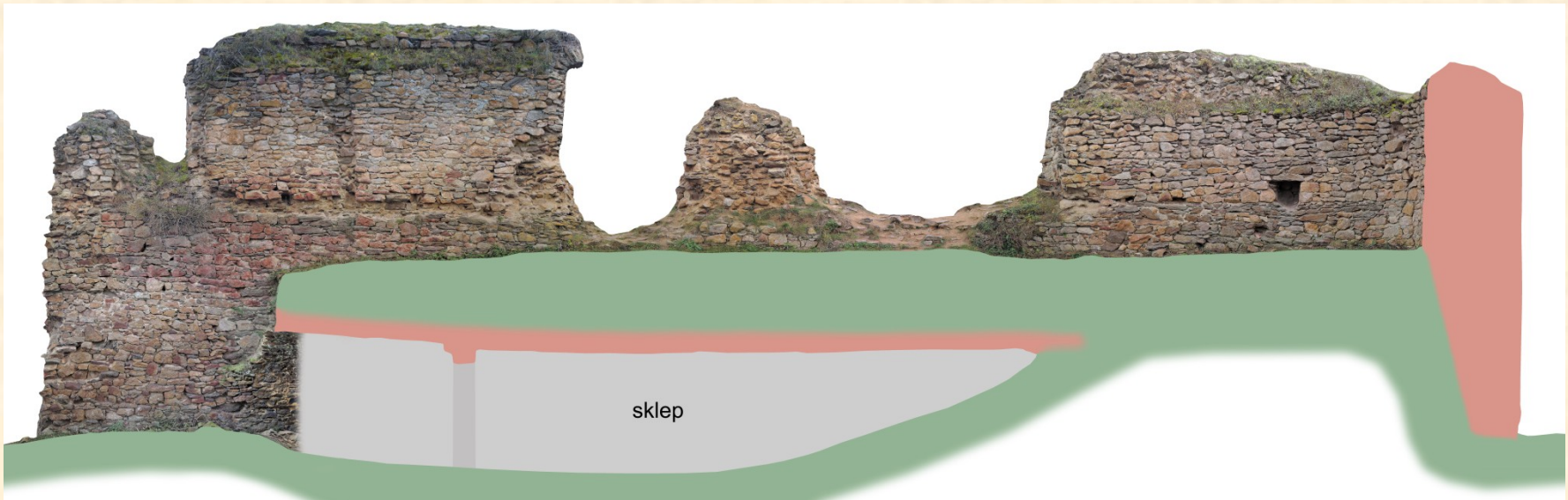
770 590

981 690

# Oparno







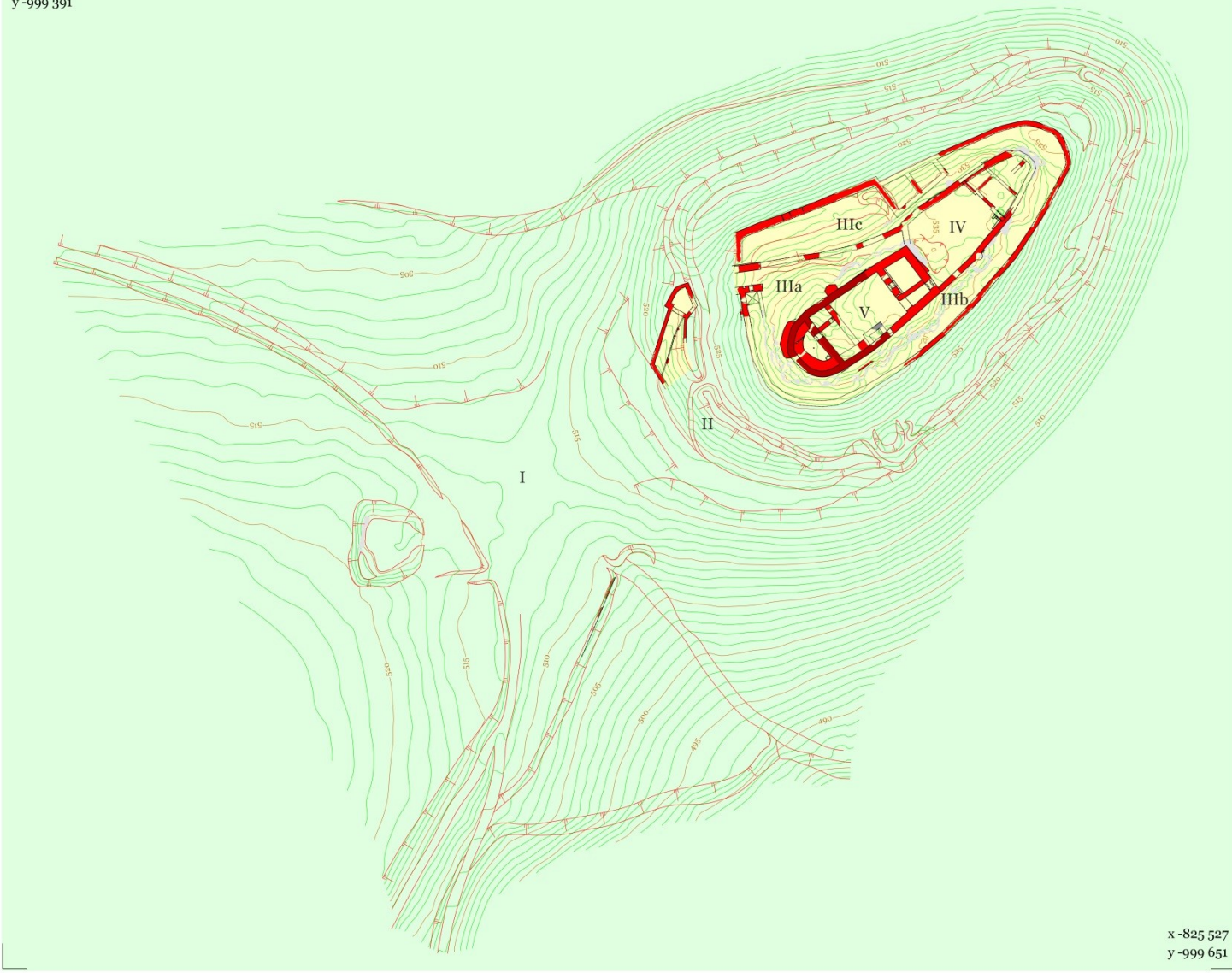


# Egerberk





x -825 847  
y -999 391



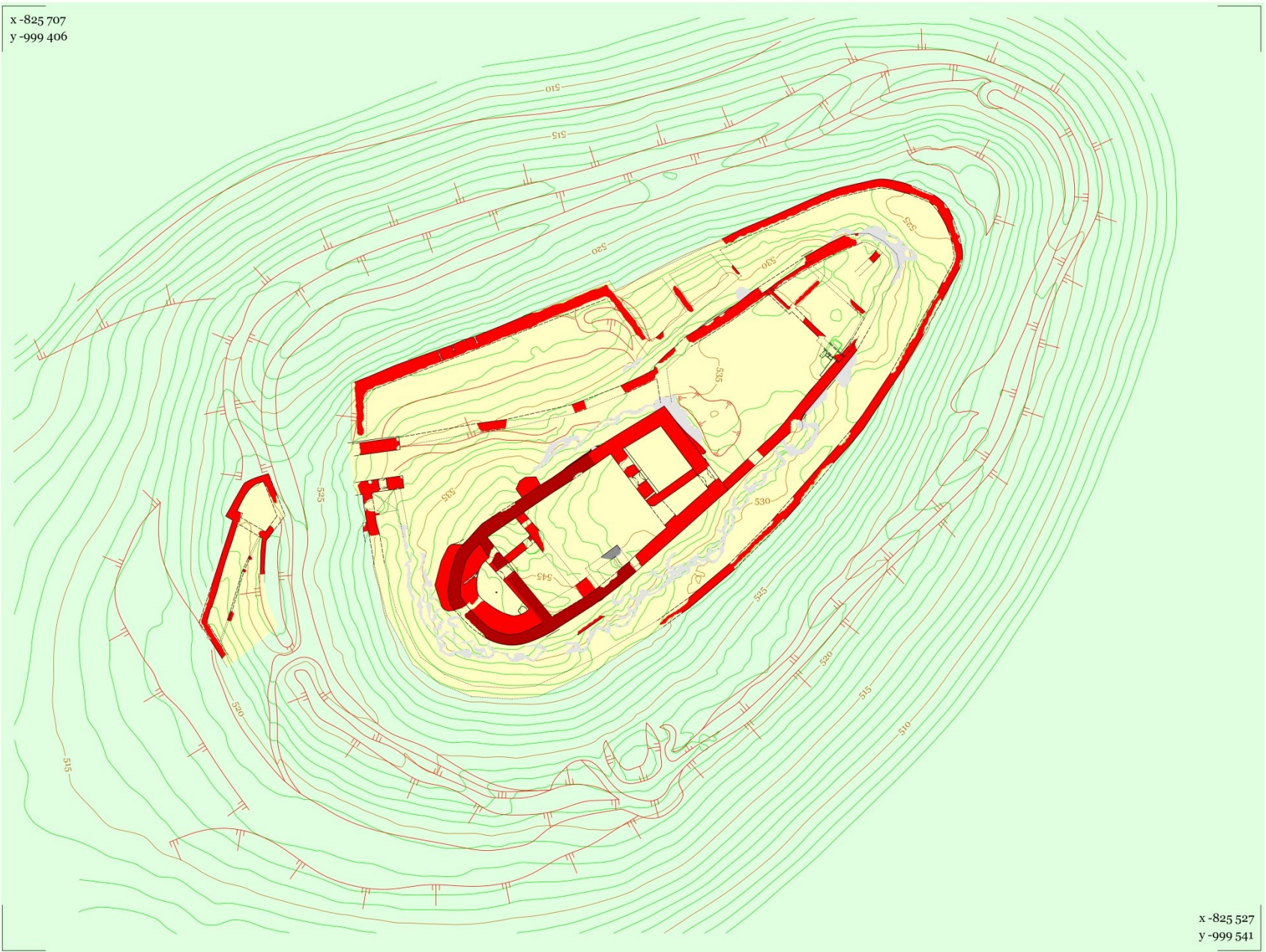
x -825 527  
y -999 651



DMT P. Hlavenka, geodetické zaměření M. Sýkora – J. Šály, interpretace M. Sýkora

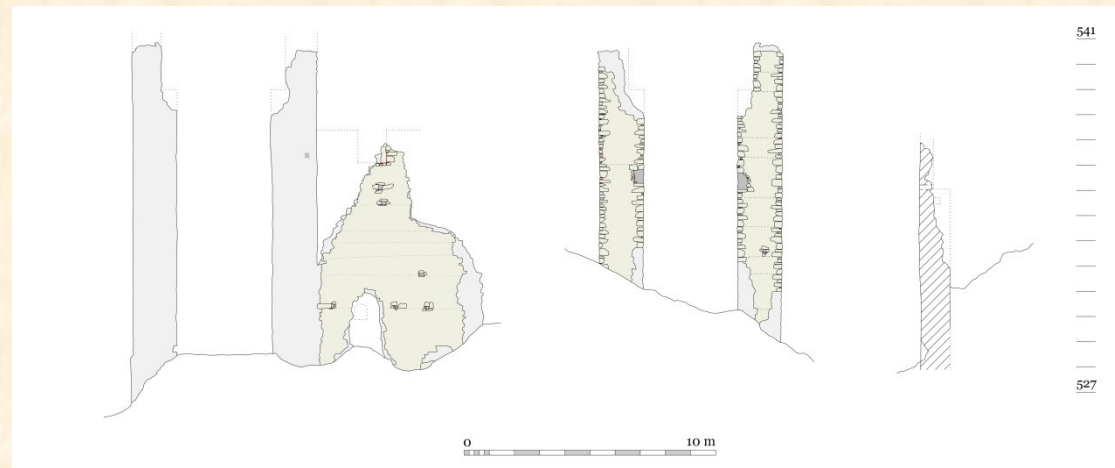
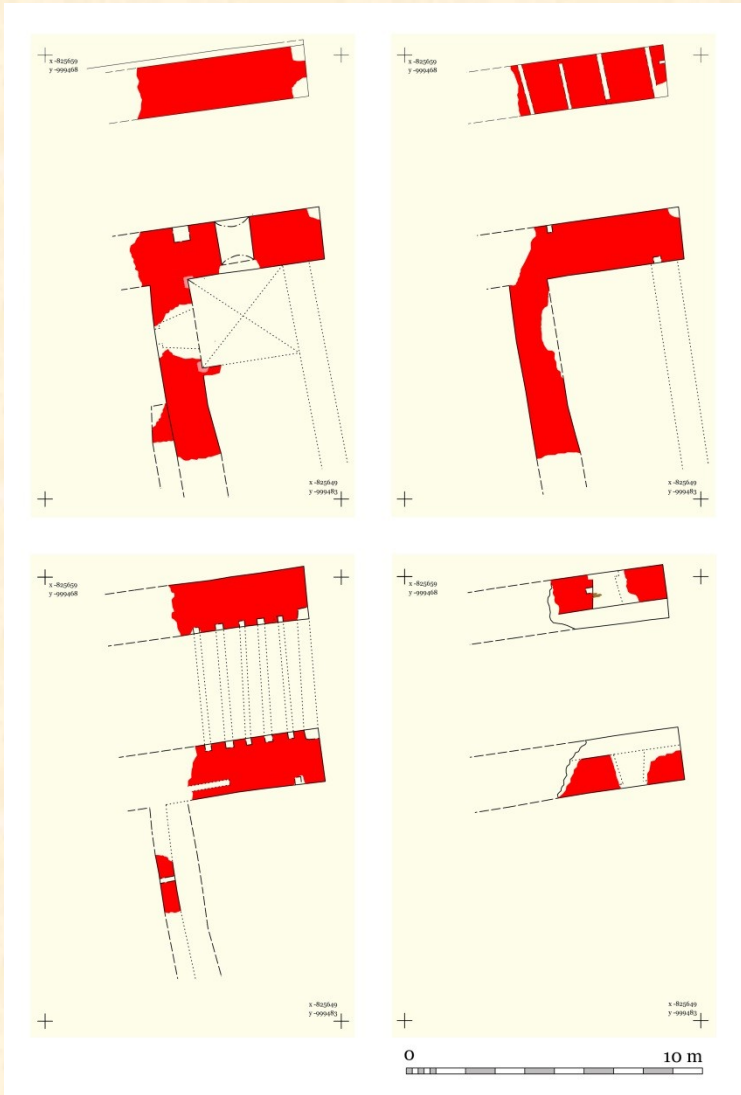


x -825 707  
y -999 406



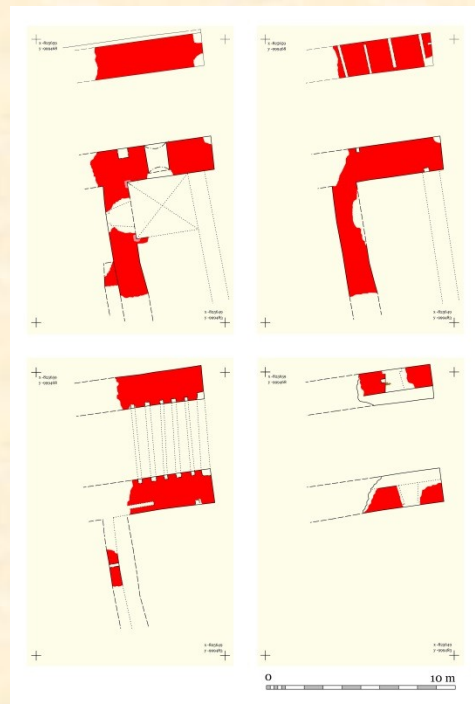
x -825 527  
y -999 541



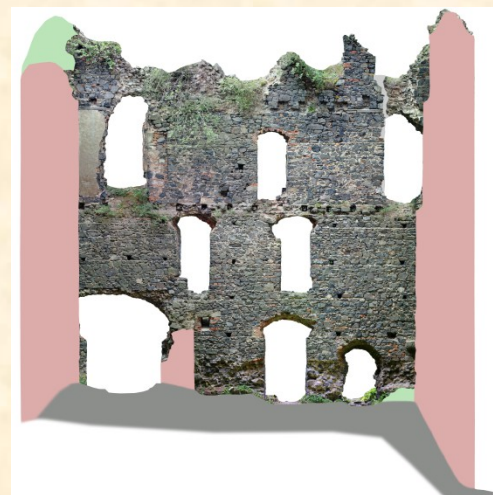
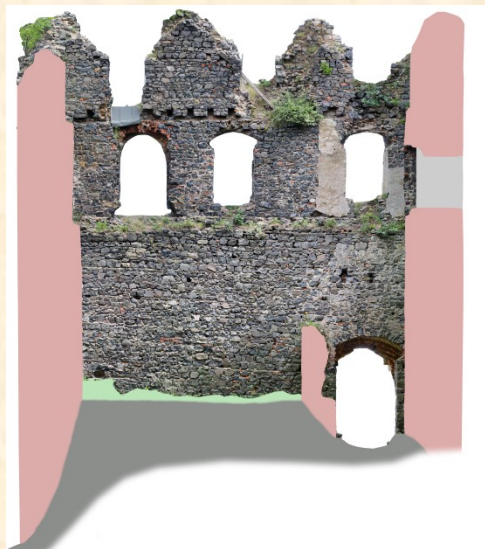
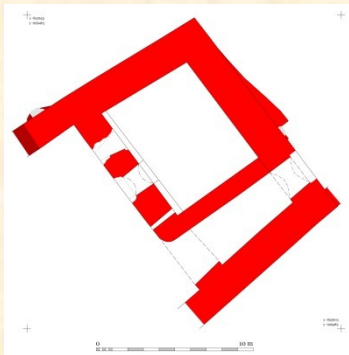
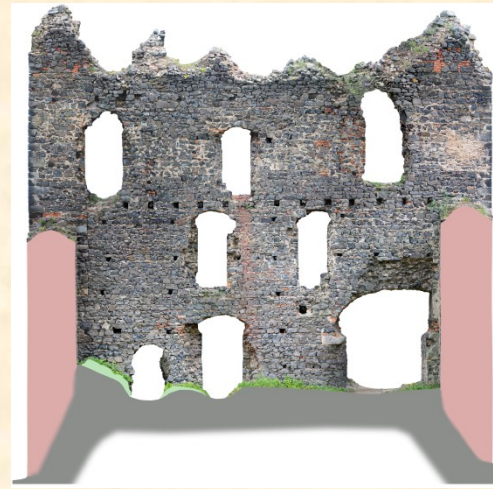


3D fotomodely P. Hlavenka, geodetické zaměření M. Sýkora – J. Šály, interpretace M. Sýkora

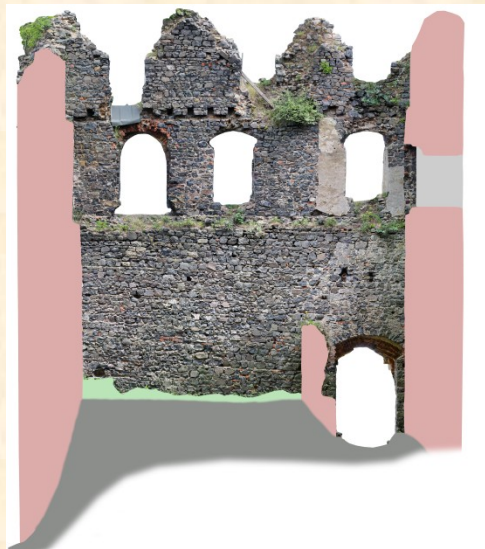
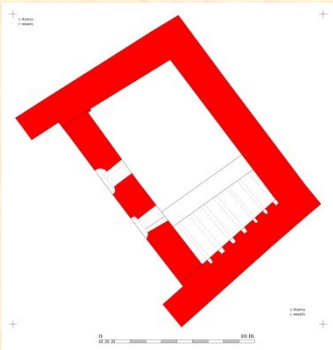
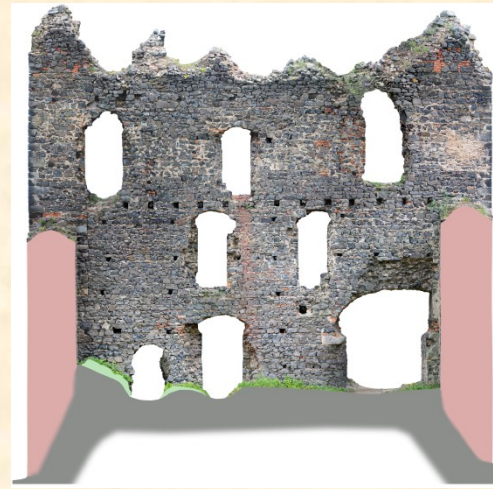




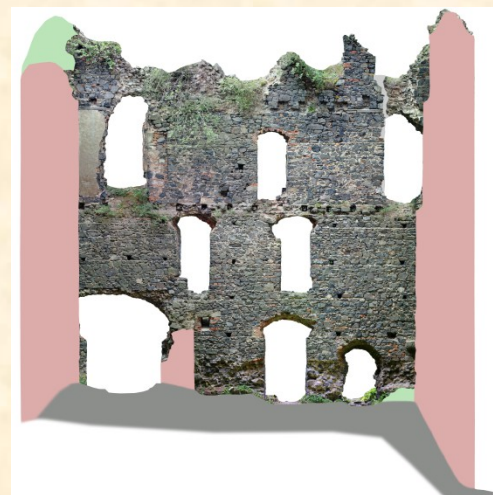
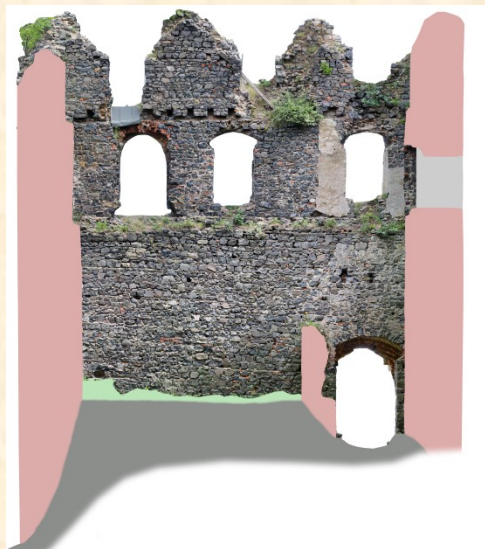
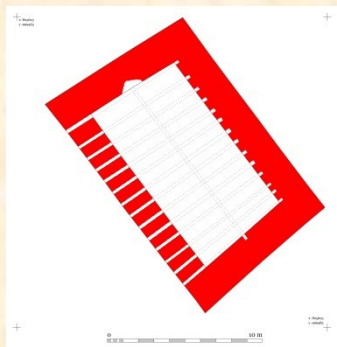
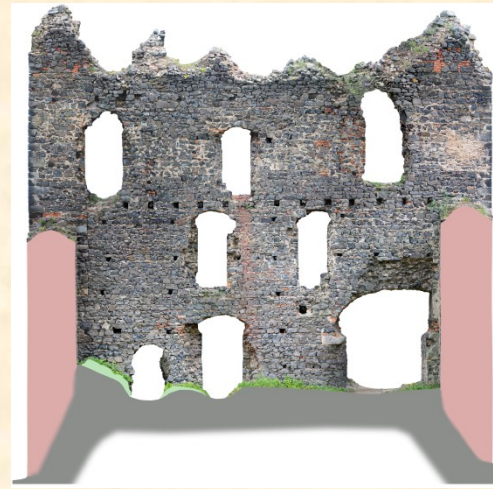




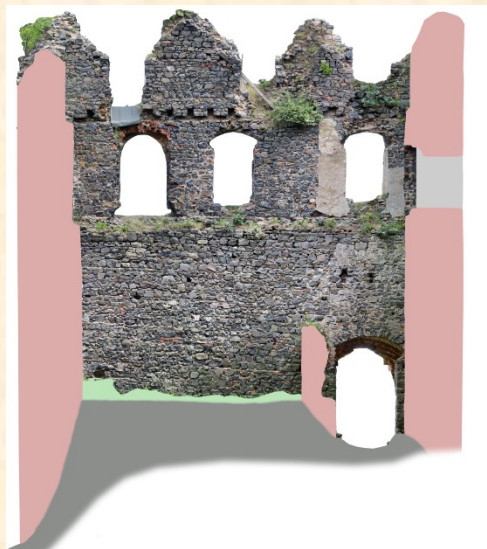
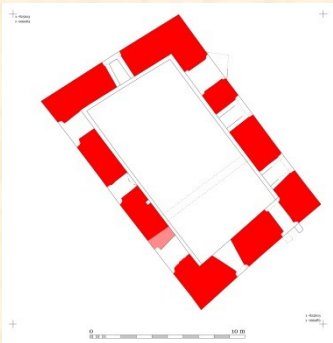
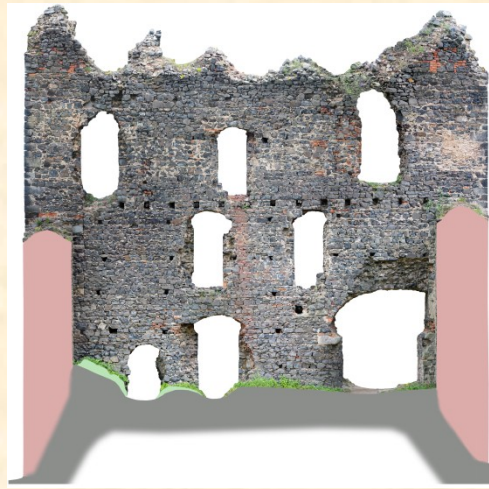
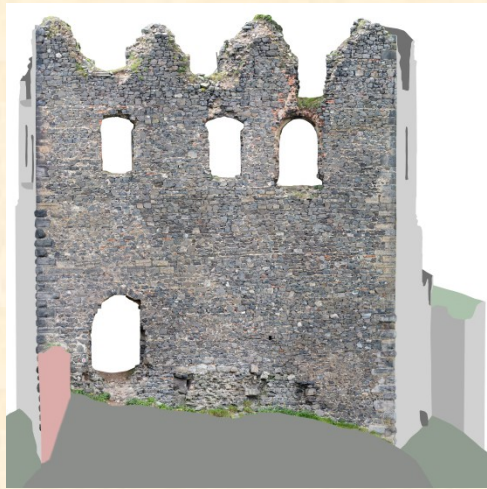




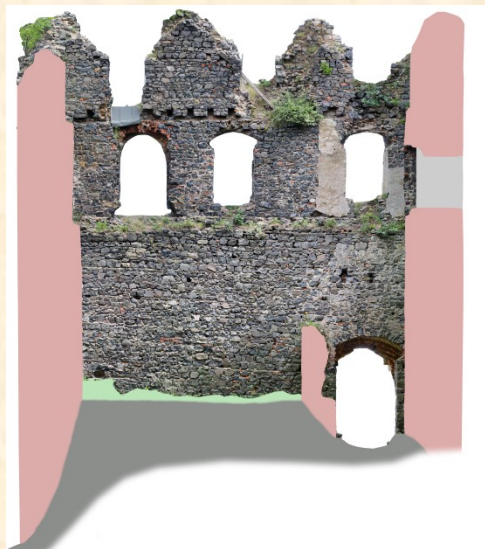
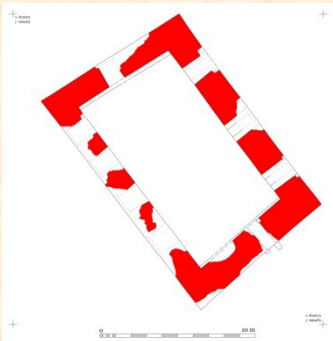
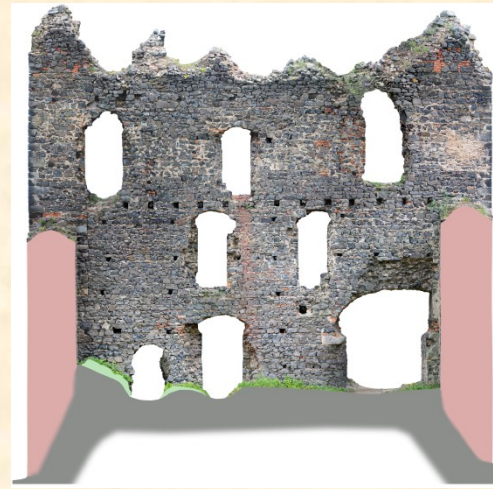




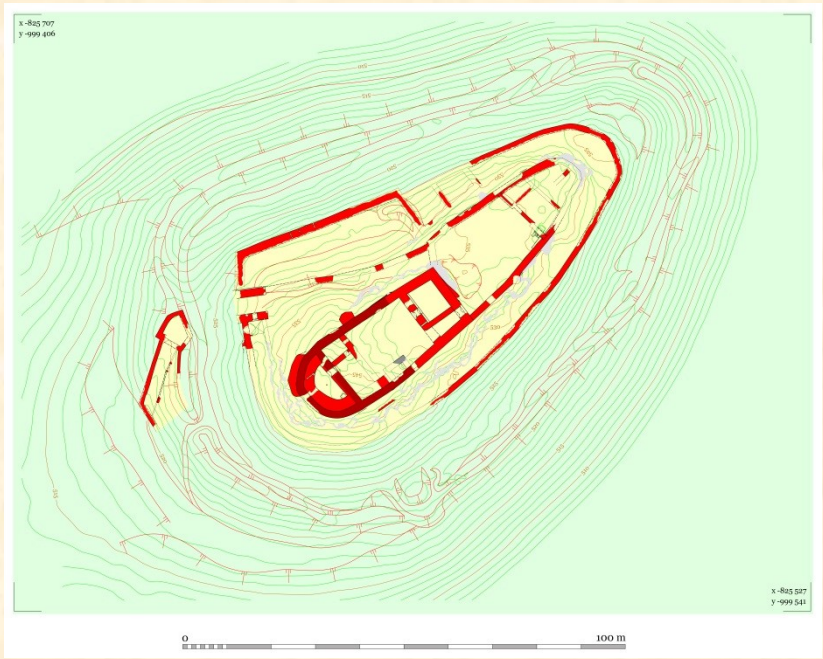








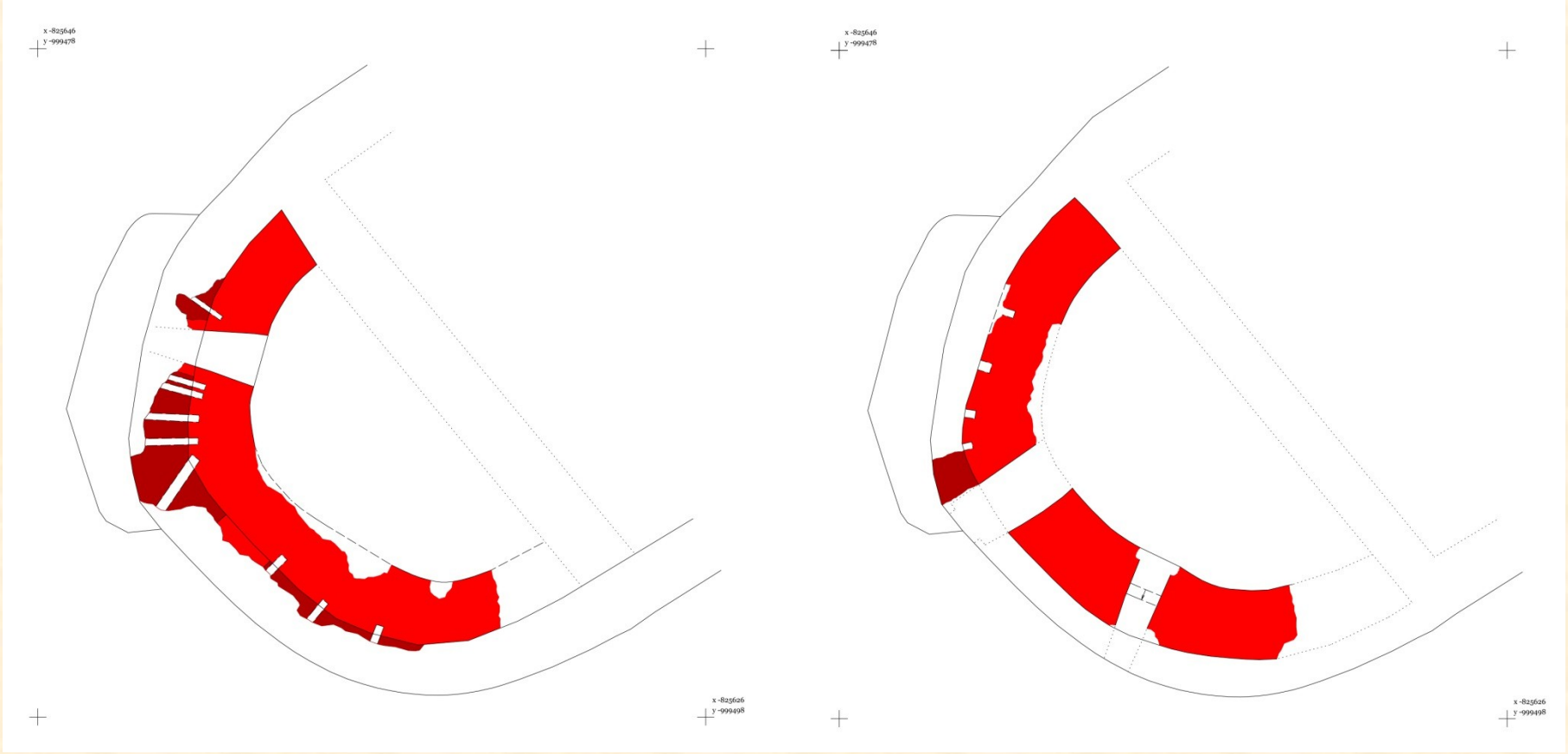




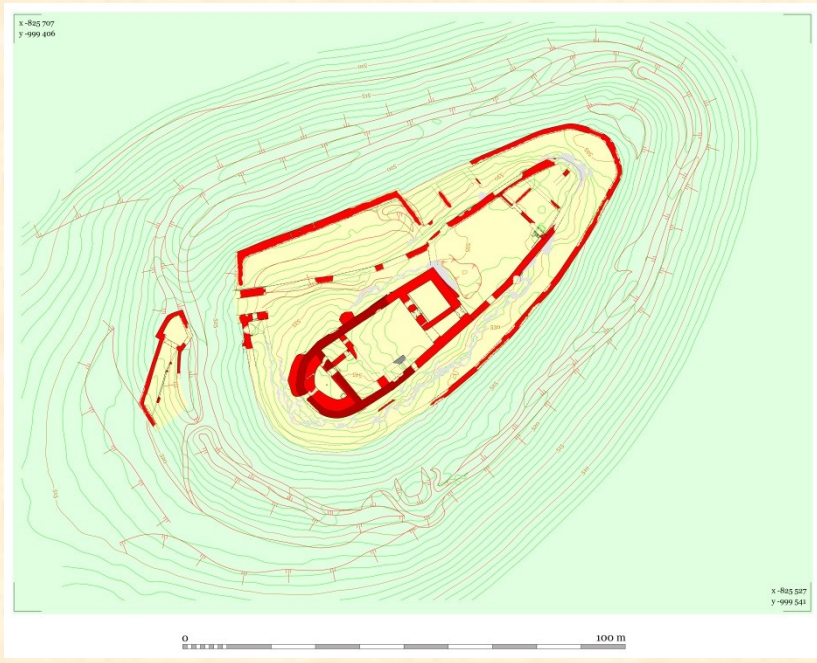






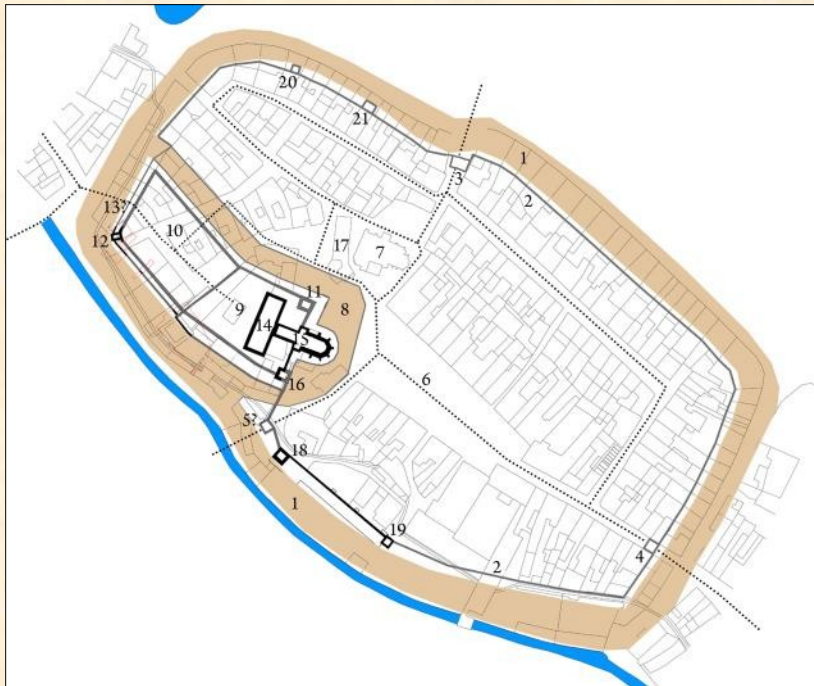




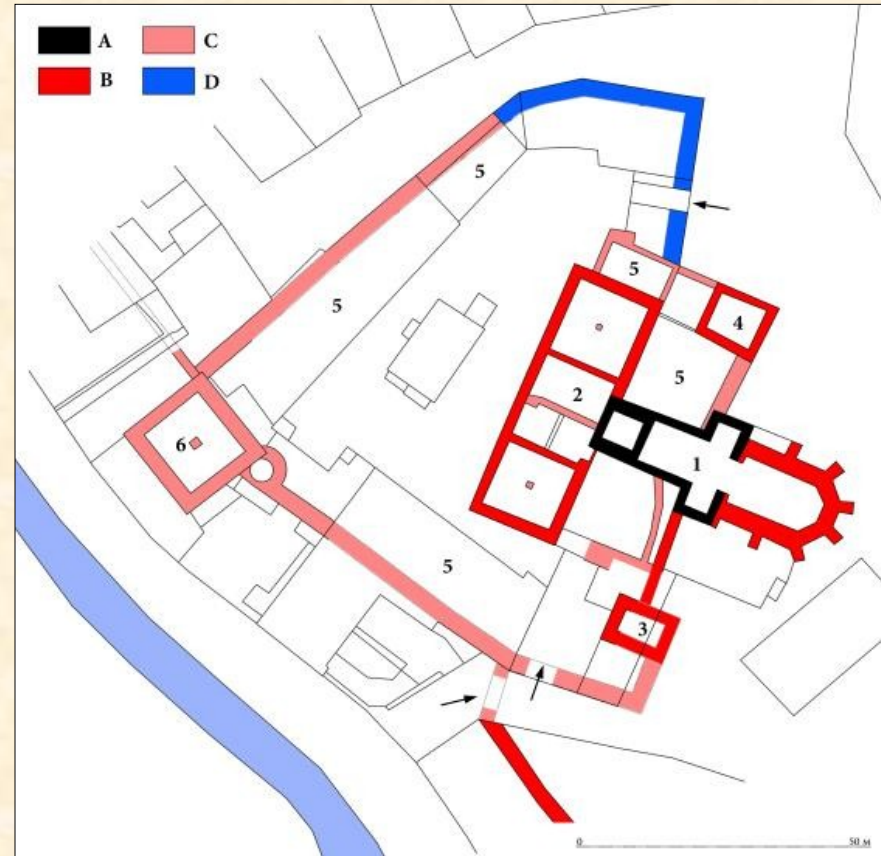




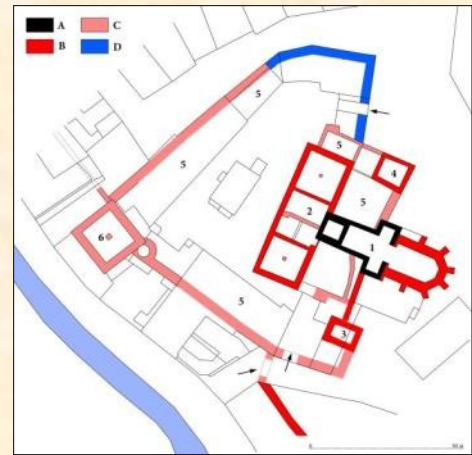
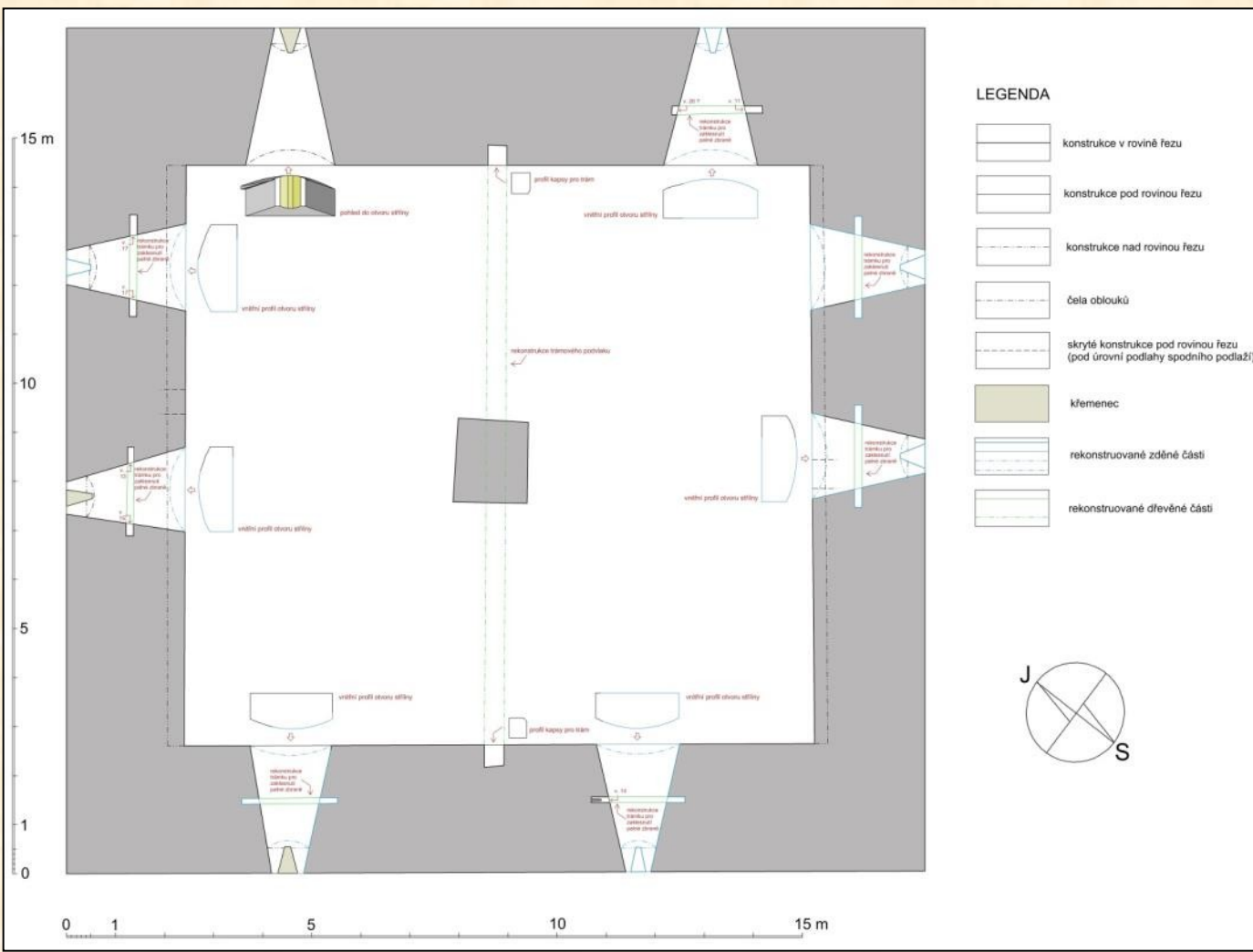
# Chomutov



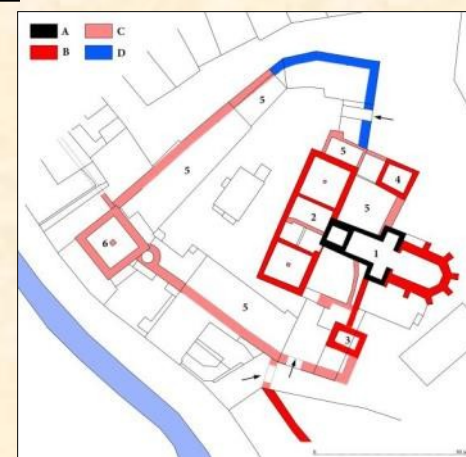
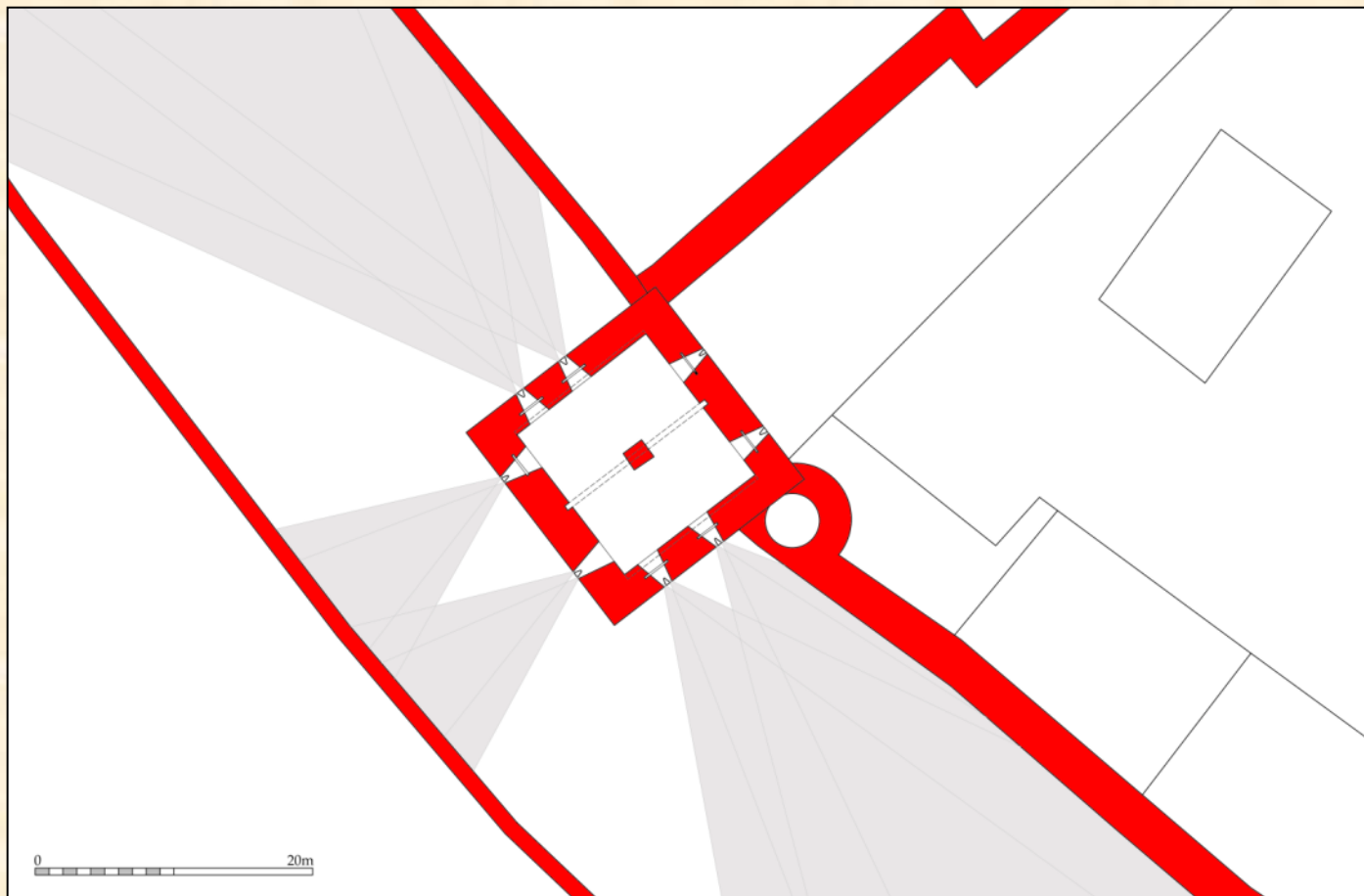
















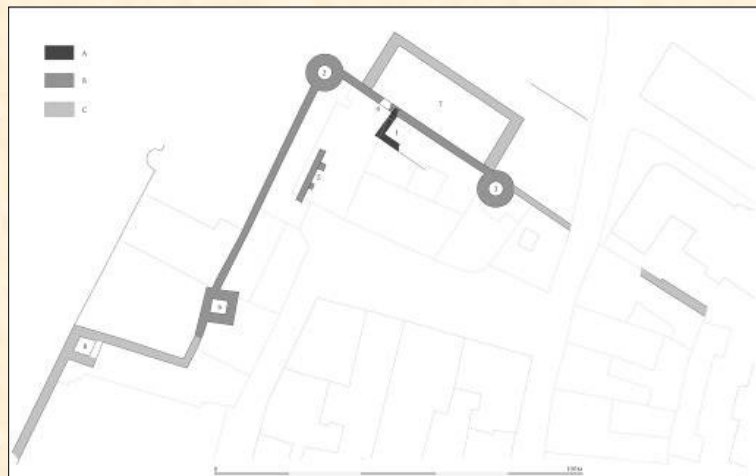
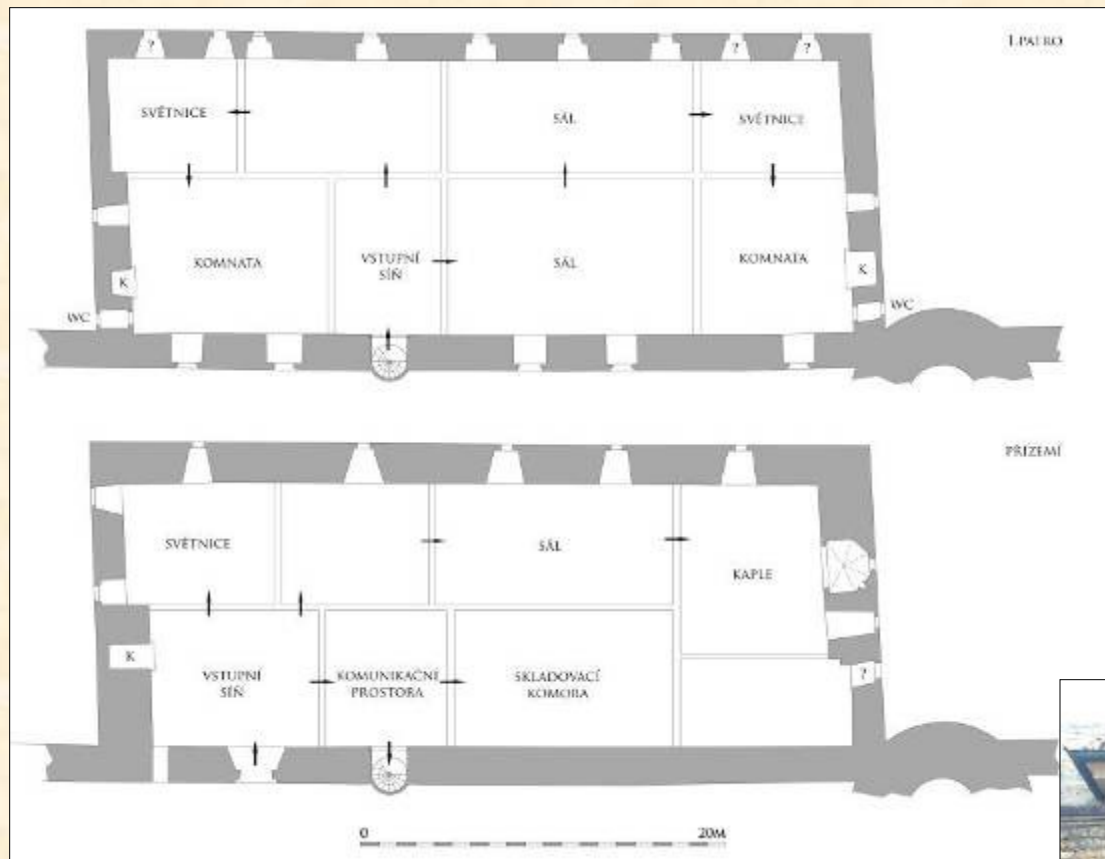


# Hrad v Litoměřicích



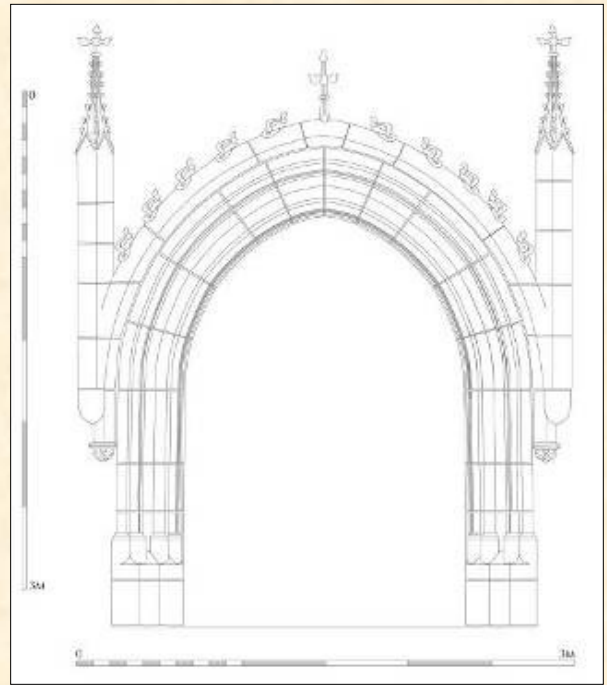
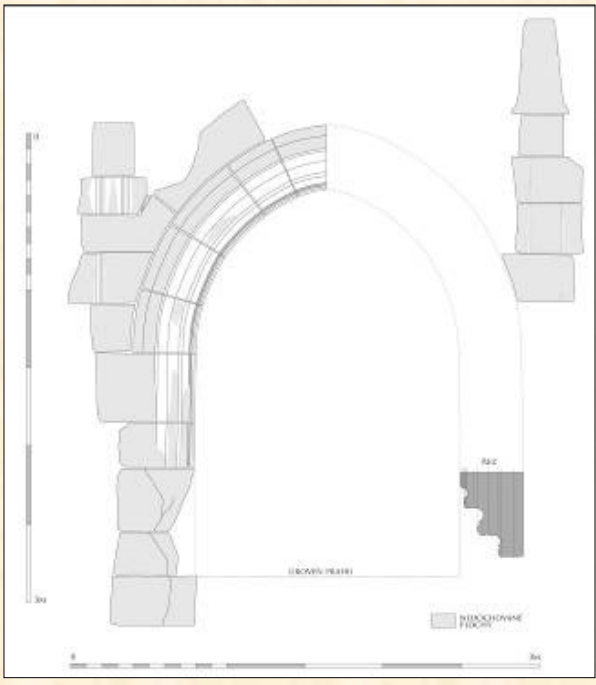
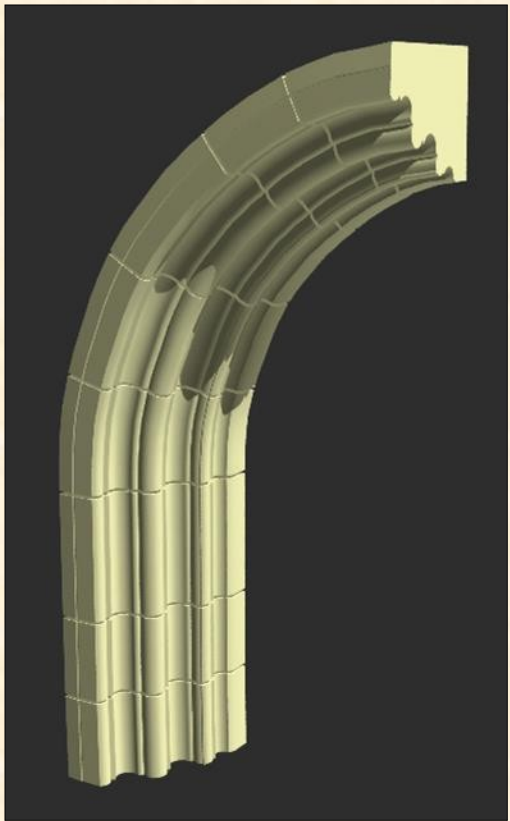


# Zaměření a plány M. Sýkora



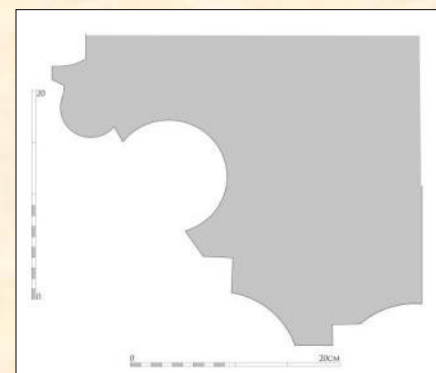
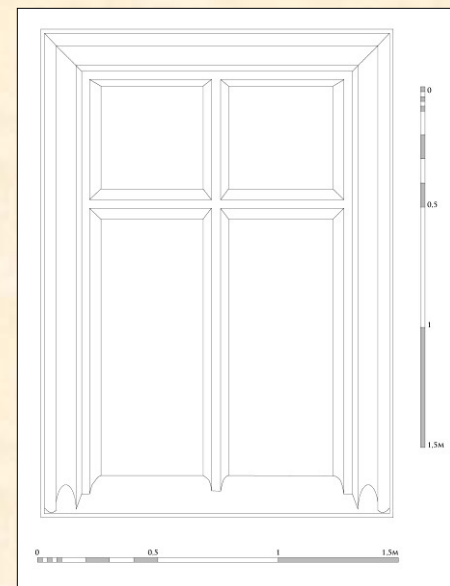
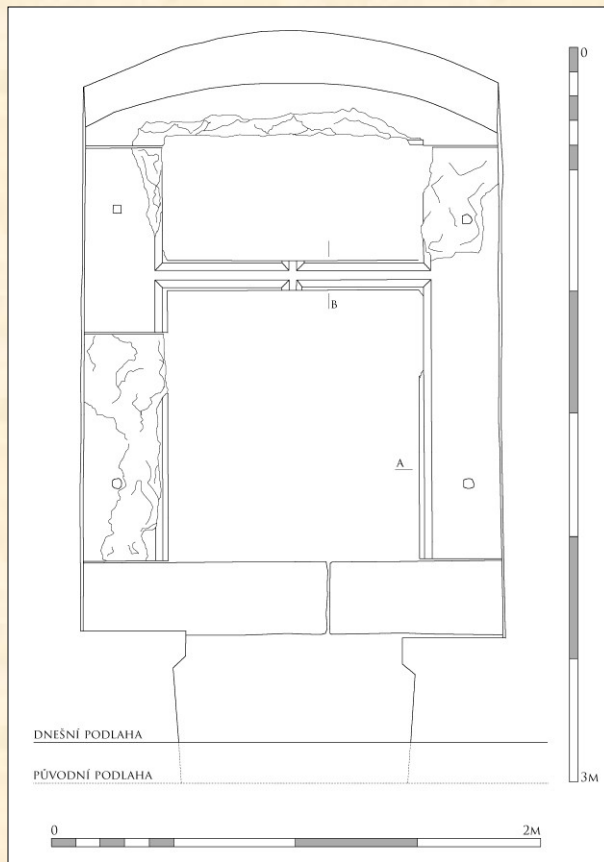
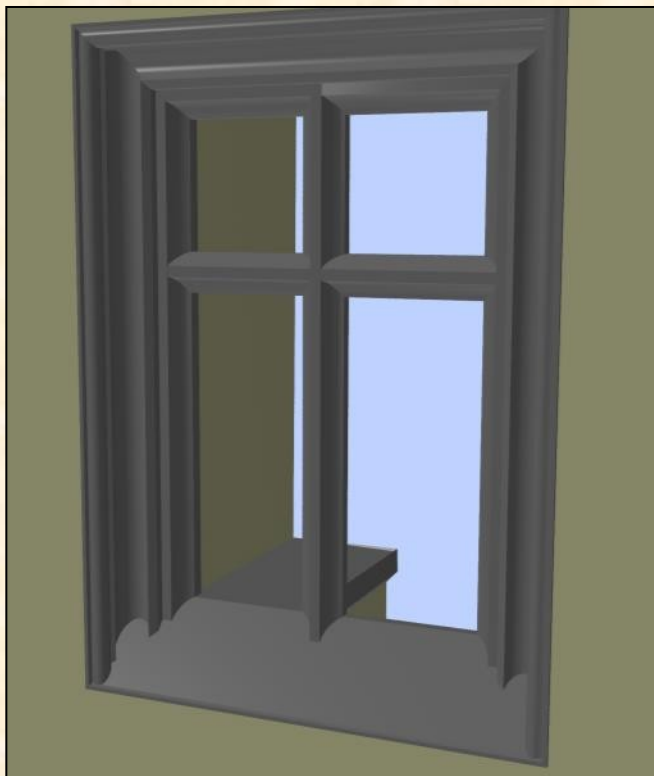


3D model I. Lehký





3D model M. Sýkora

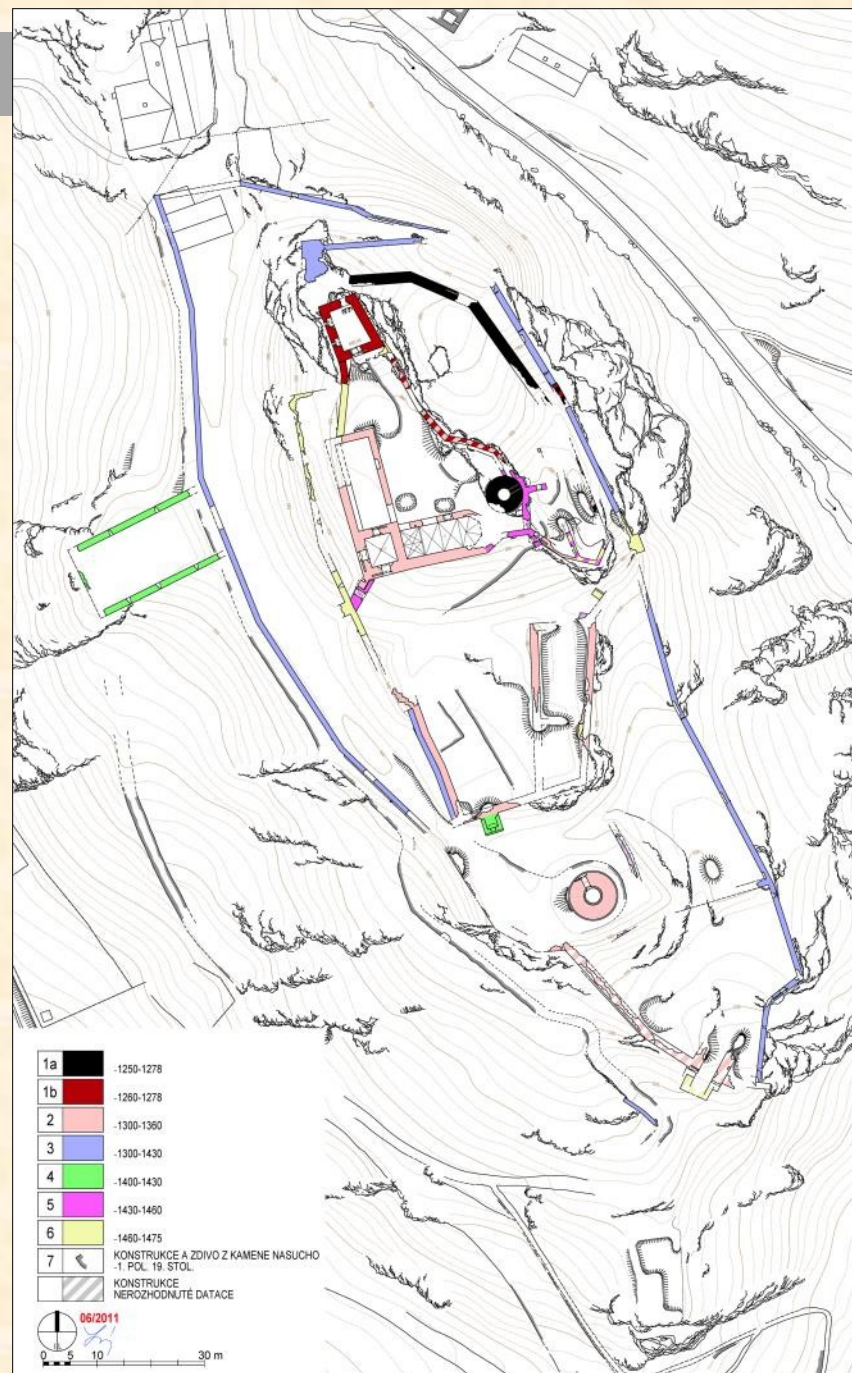




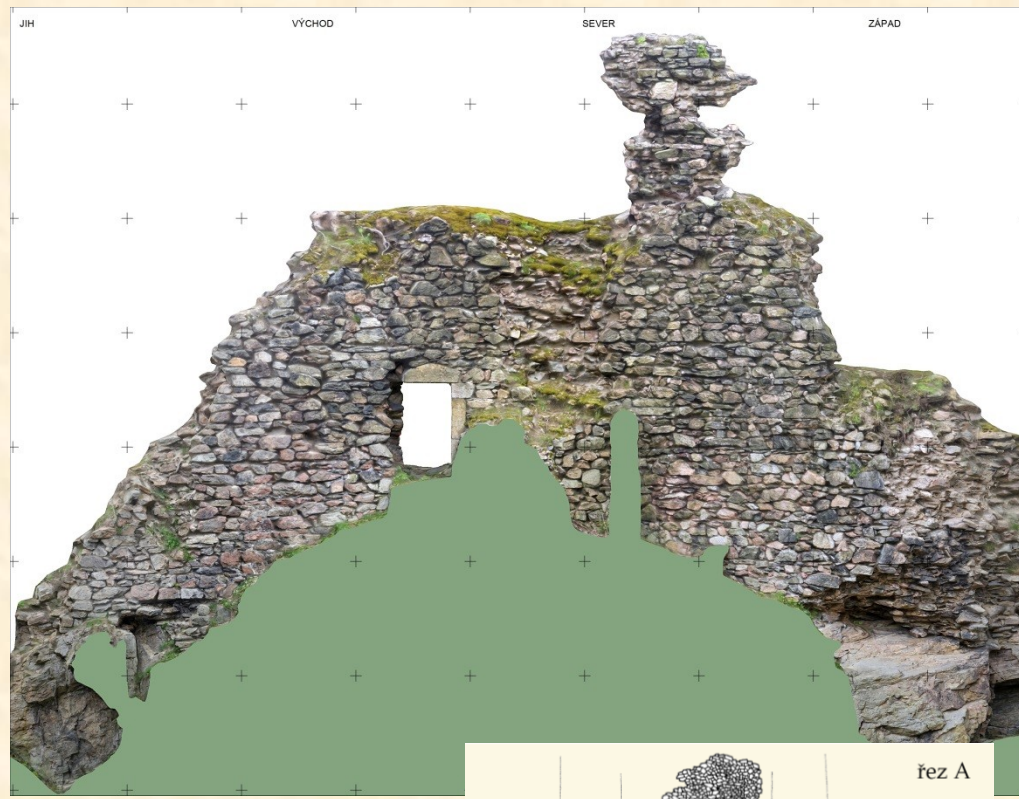


# Rýzmburk (Osek)

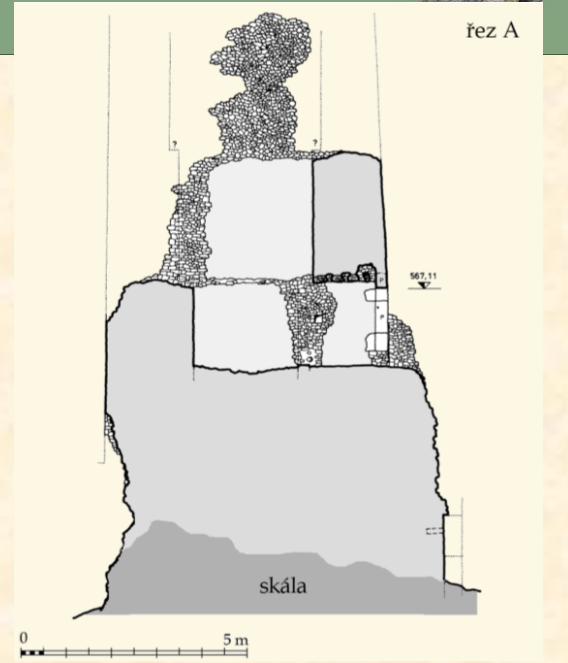
Foto M. Žihla



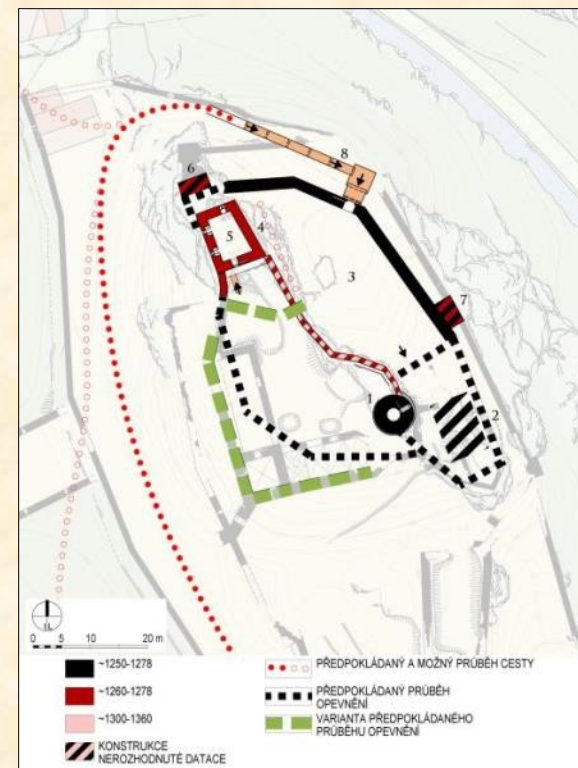
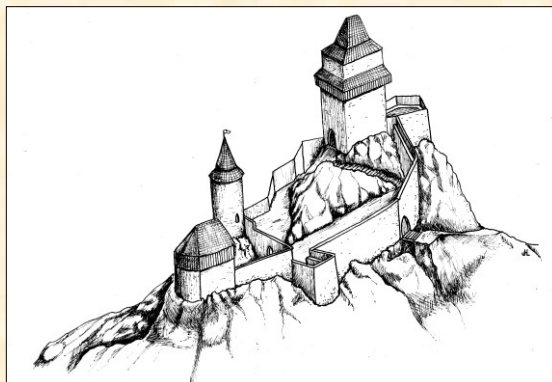


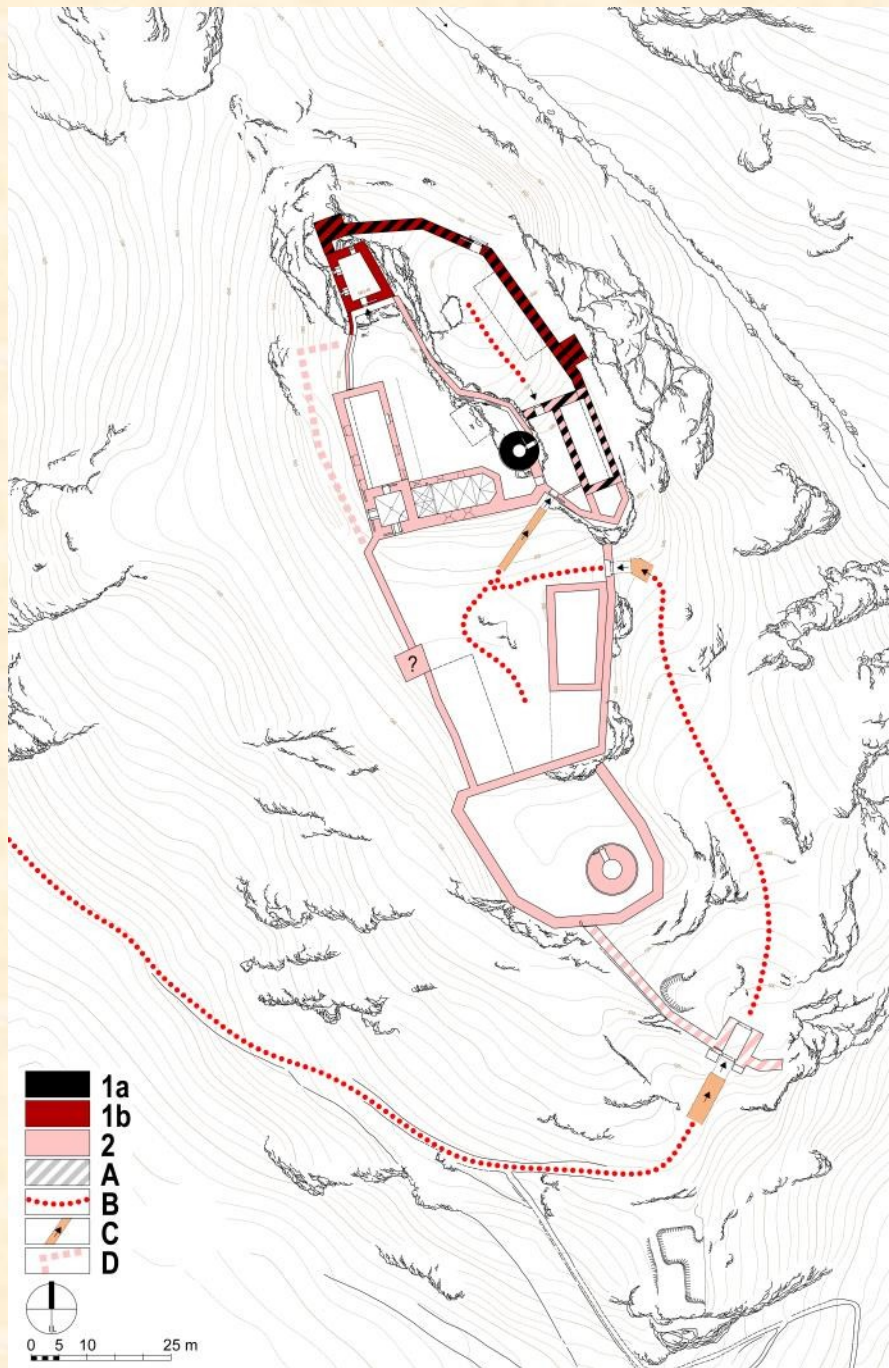


3D modely a plány I. Lehký

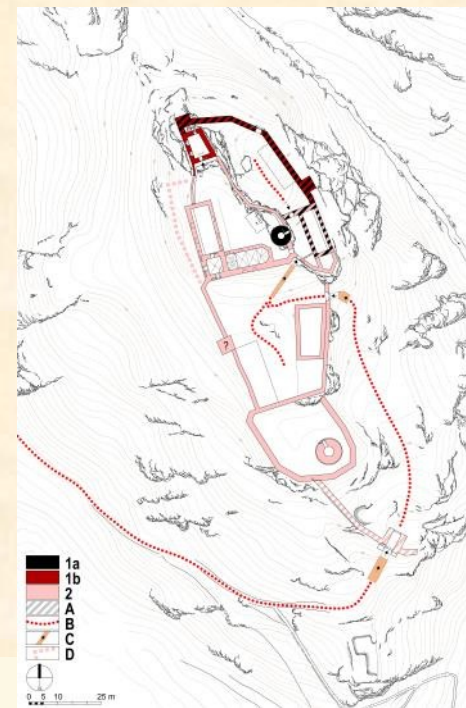




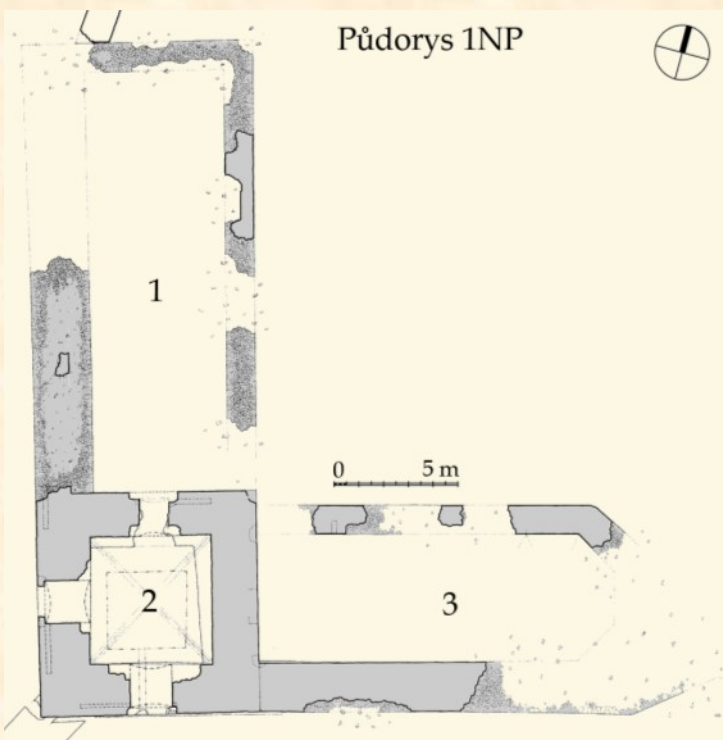




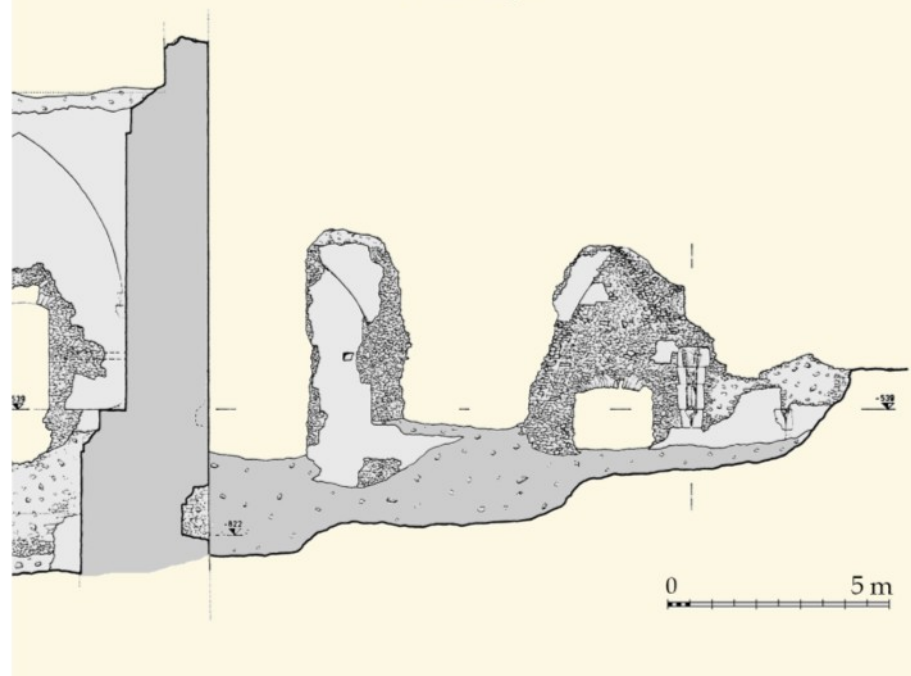


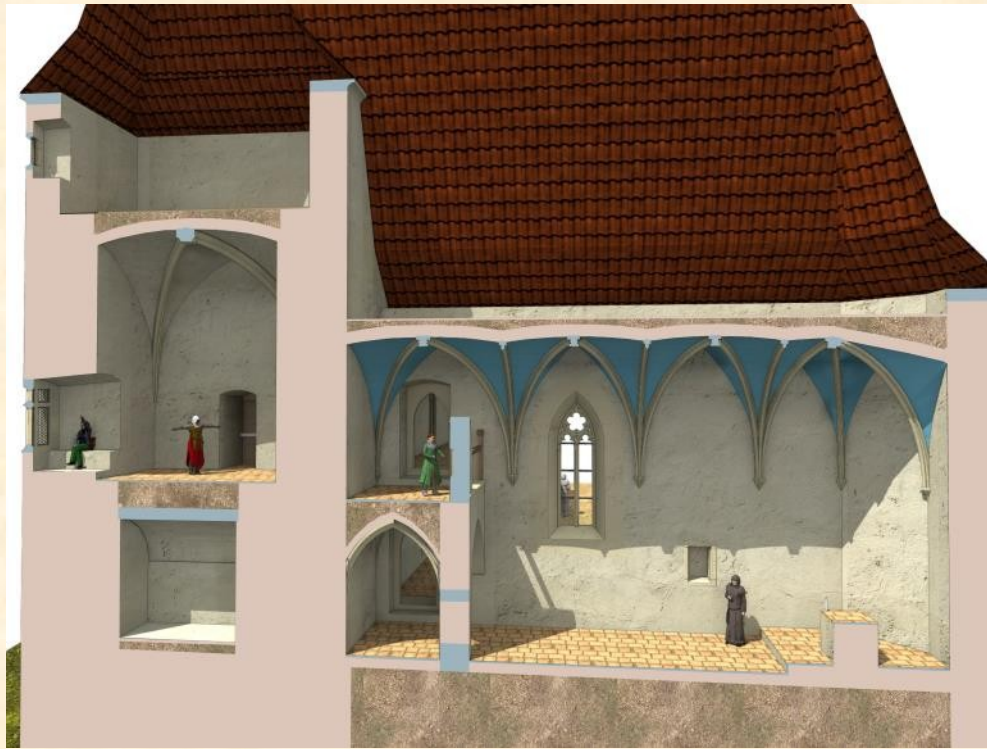
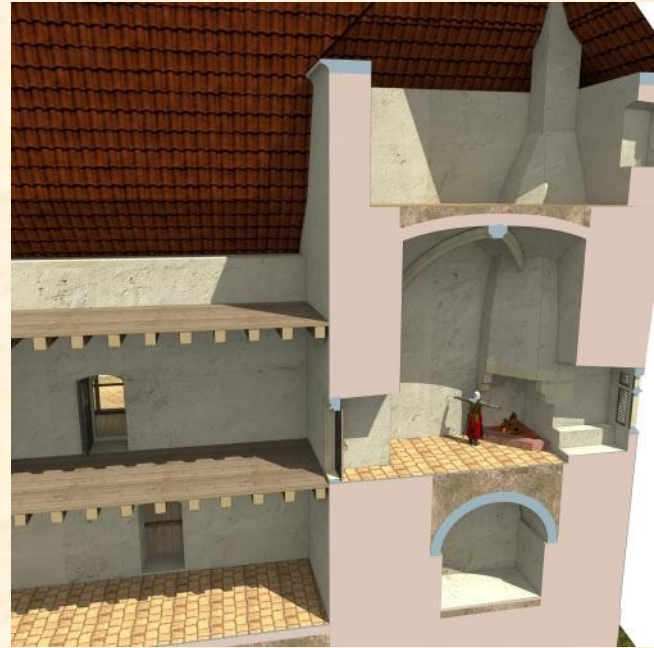


Půdorys 1NP



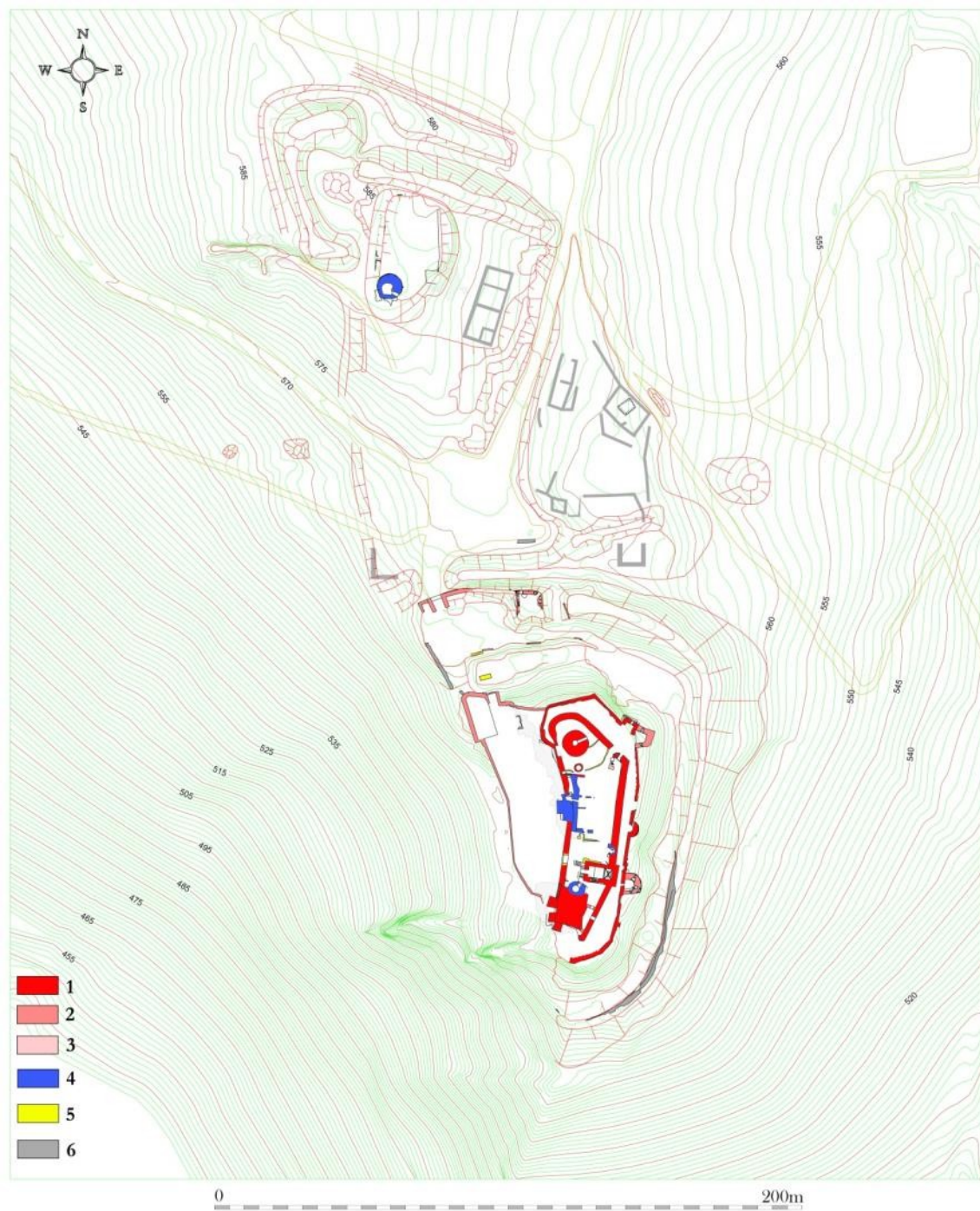
Řez kaplí



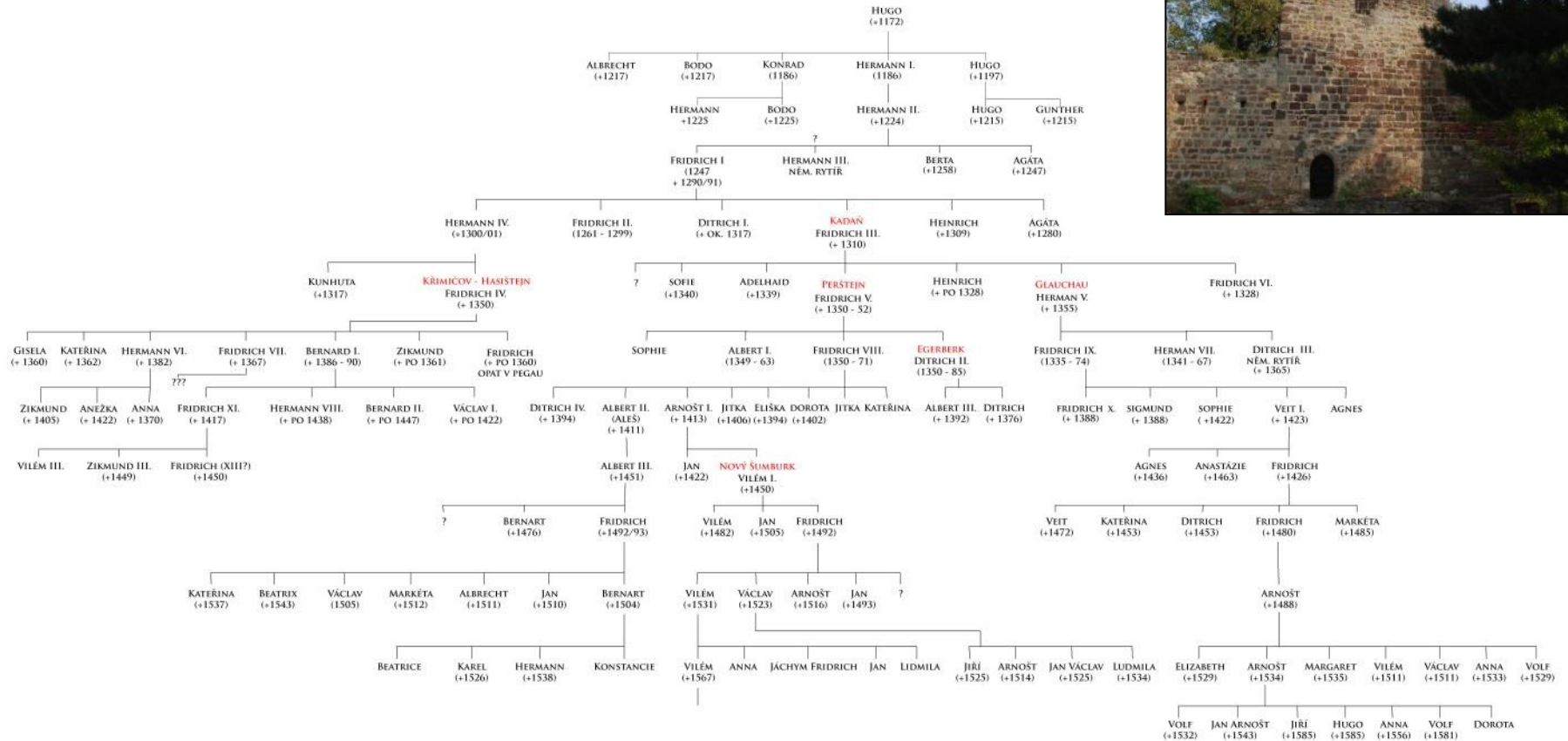
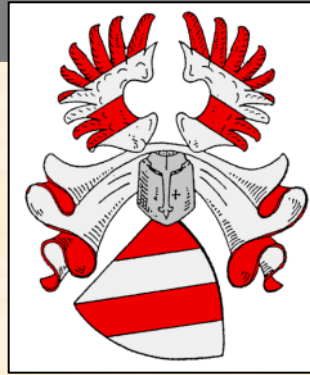




# Hasištejn

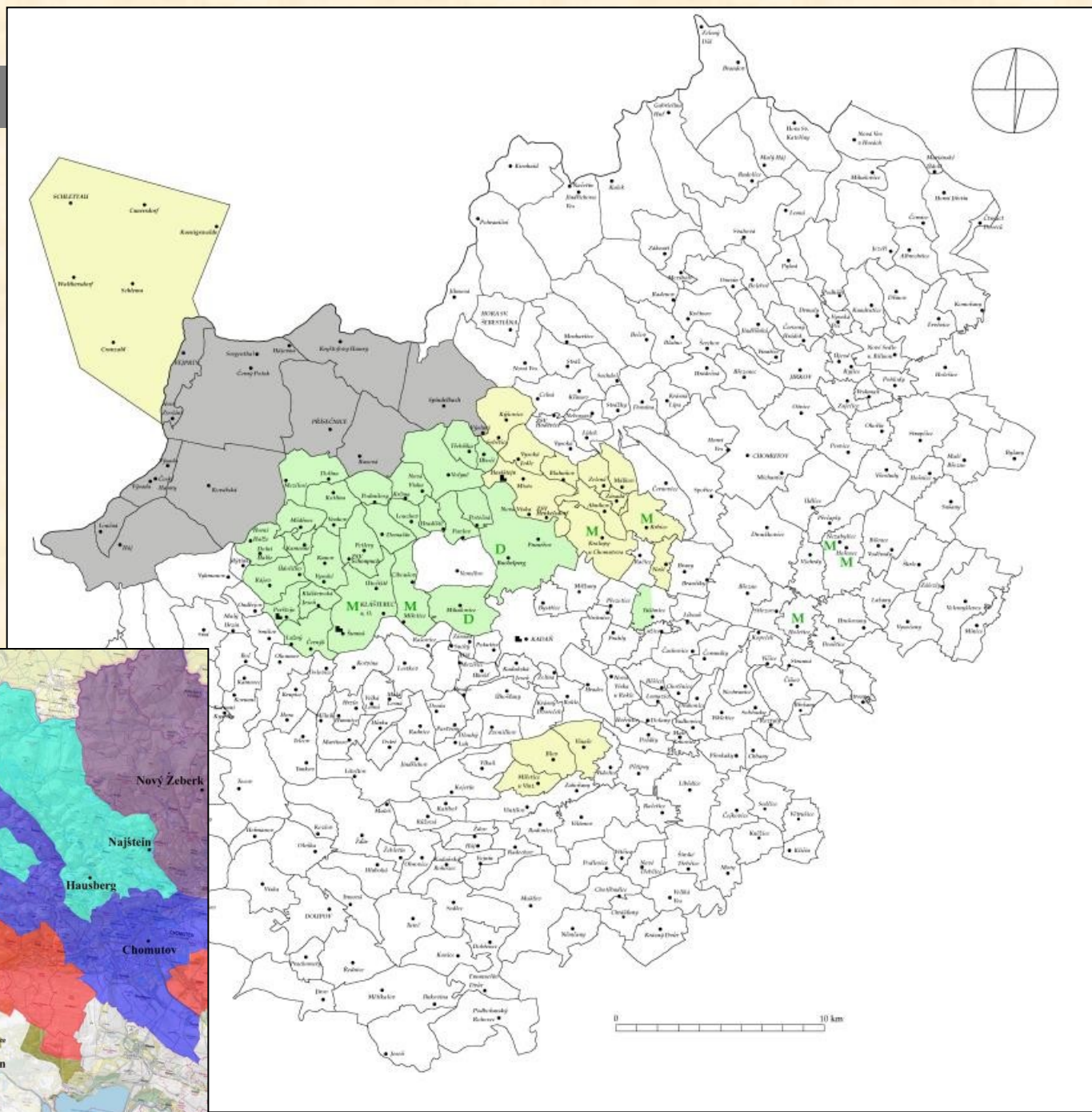


# Šumburkové



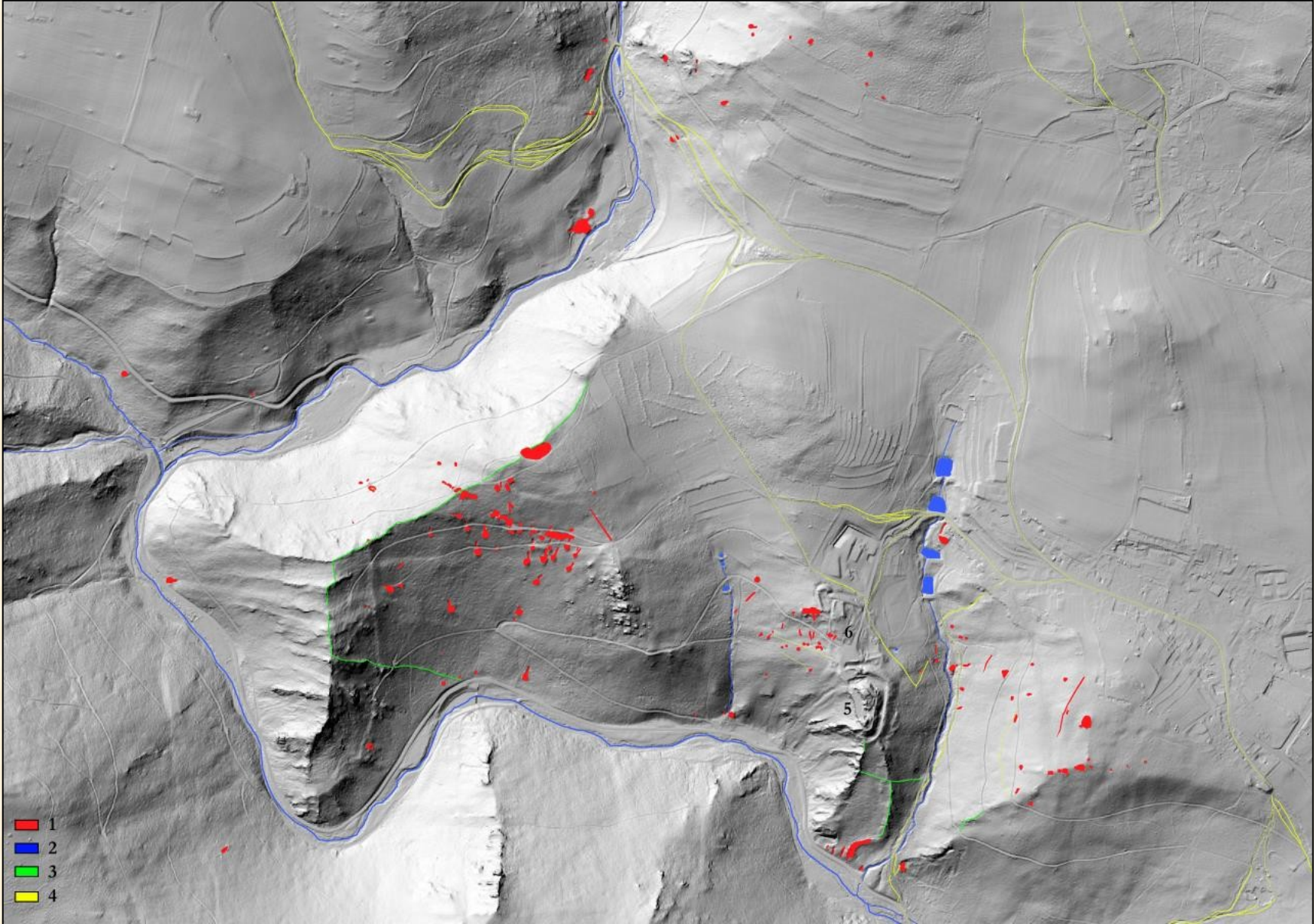


# Šumburské panství





Montánní aktivity v okolí Hasištejna



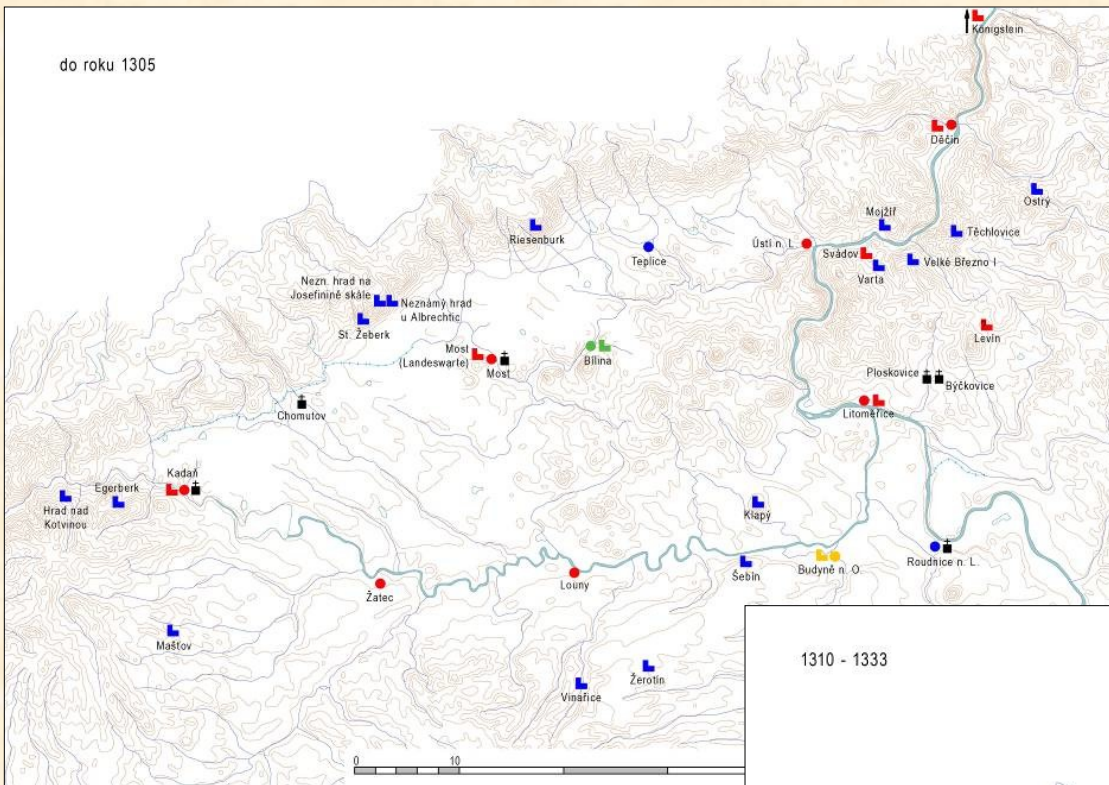




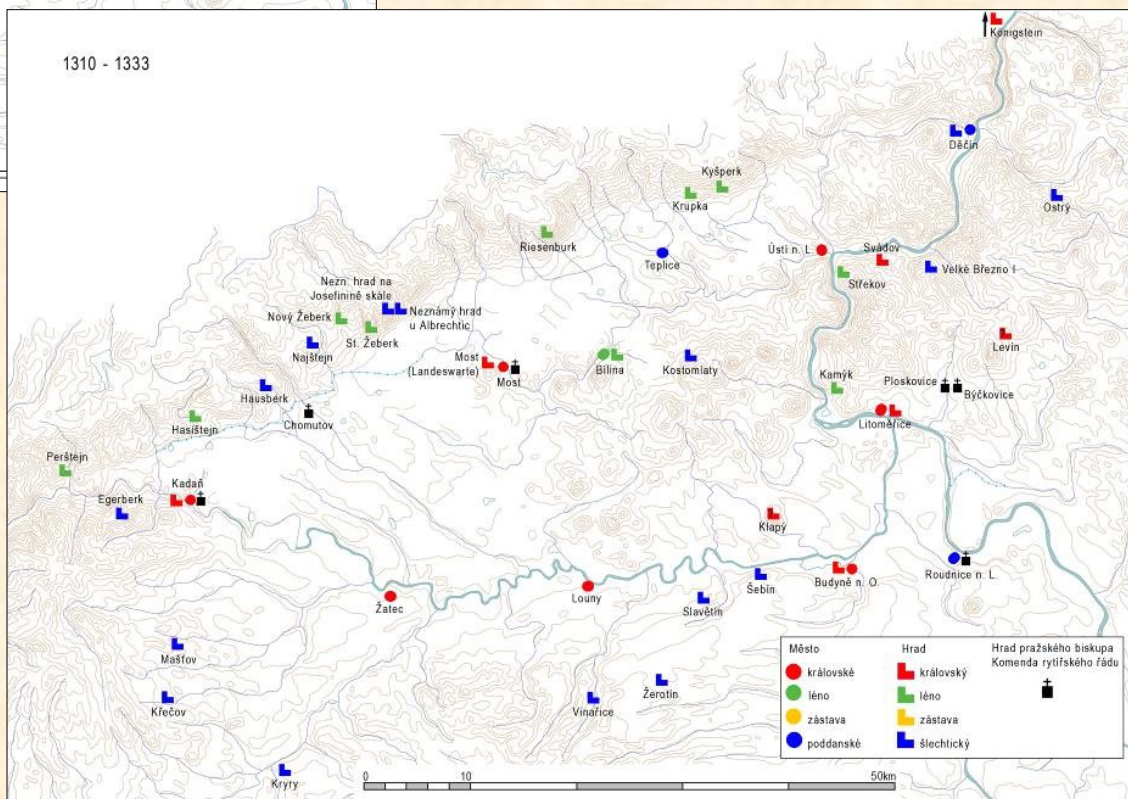
3D model M. Sýkora



do roku 1305



1310 - 1333



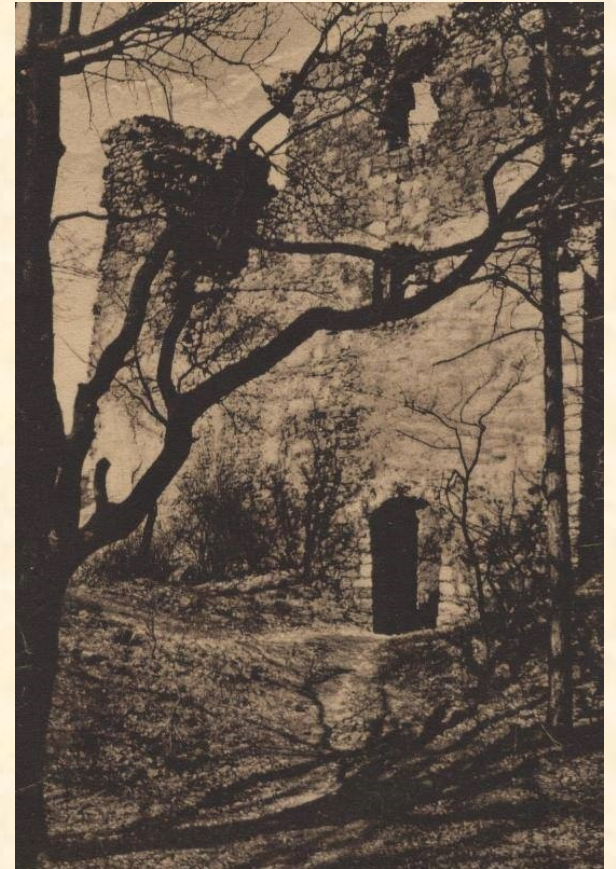


# KRUPKA



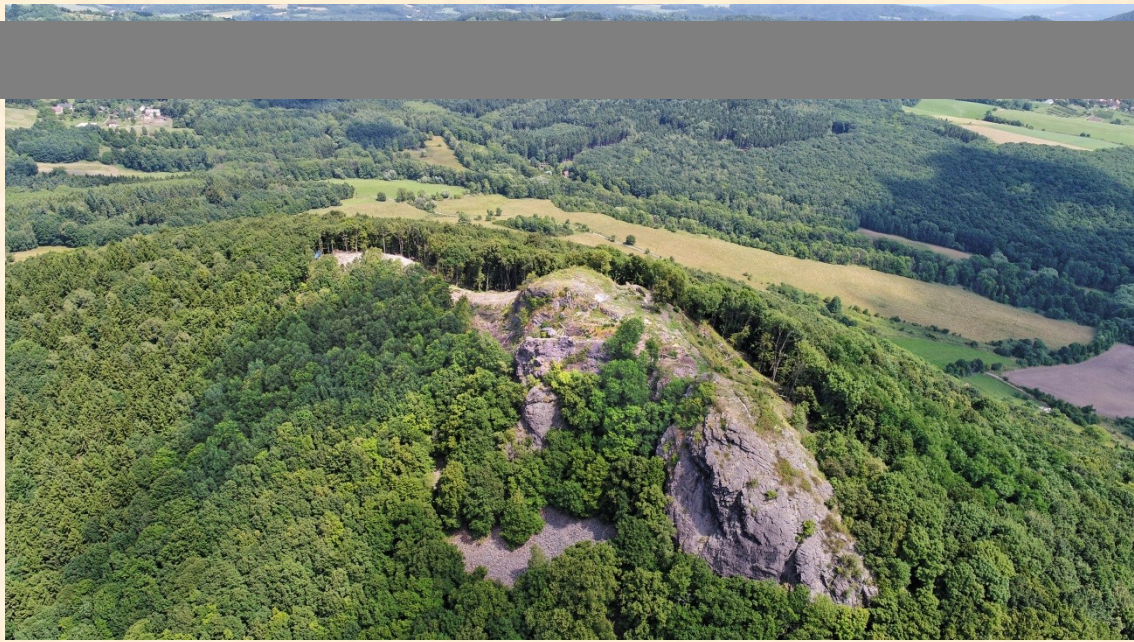
Zaměření P. Hlavenka - M. Sýkora – J. Šály



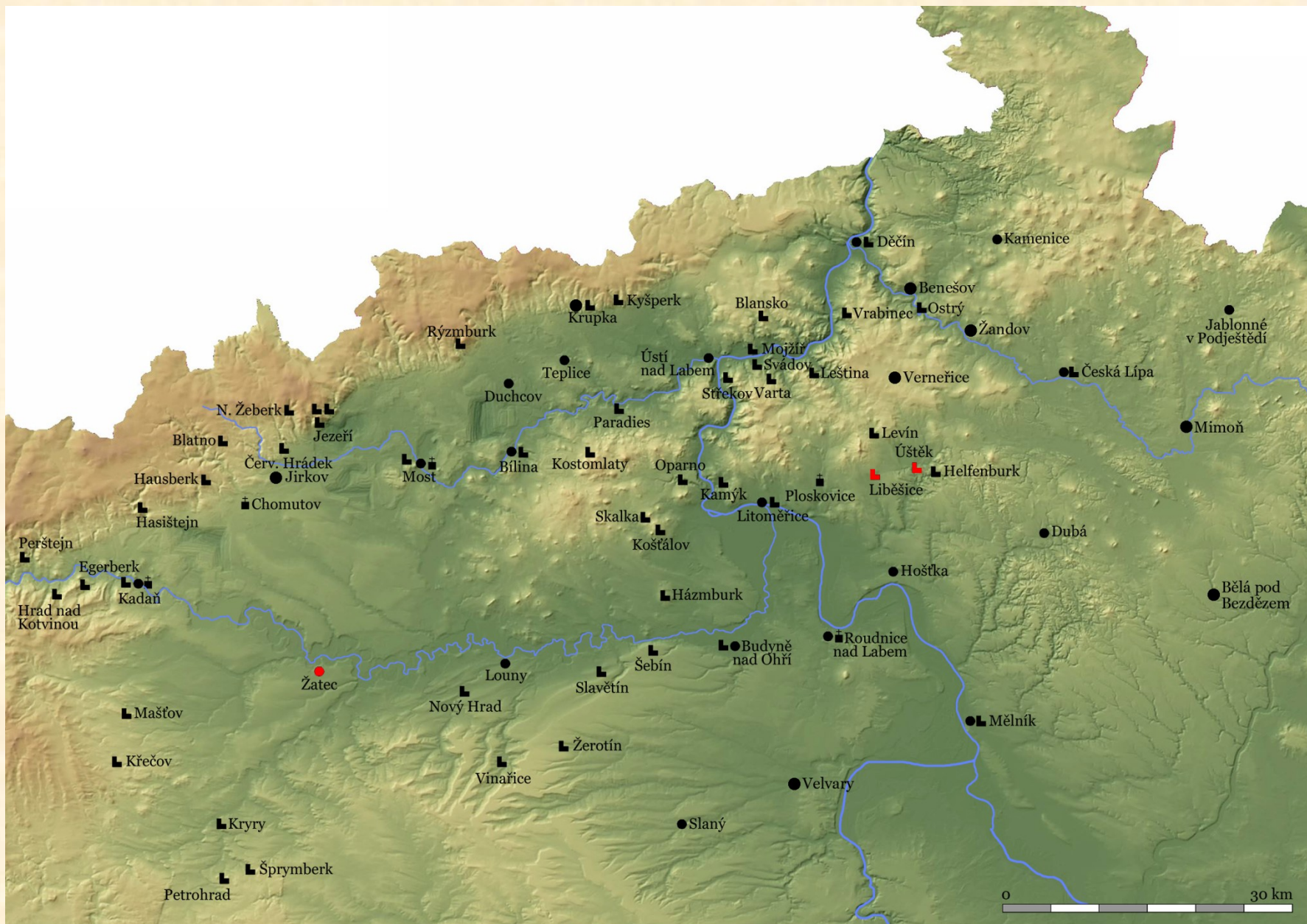




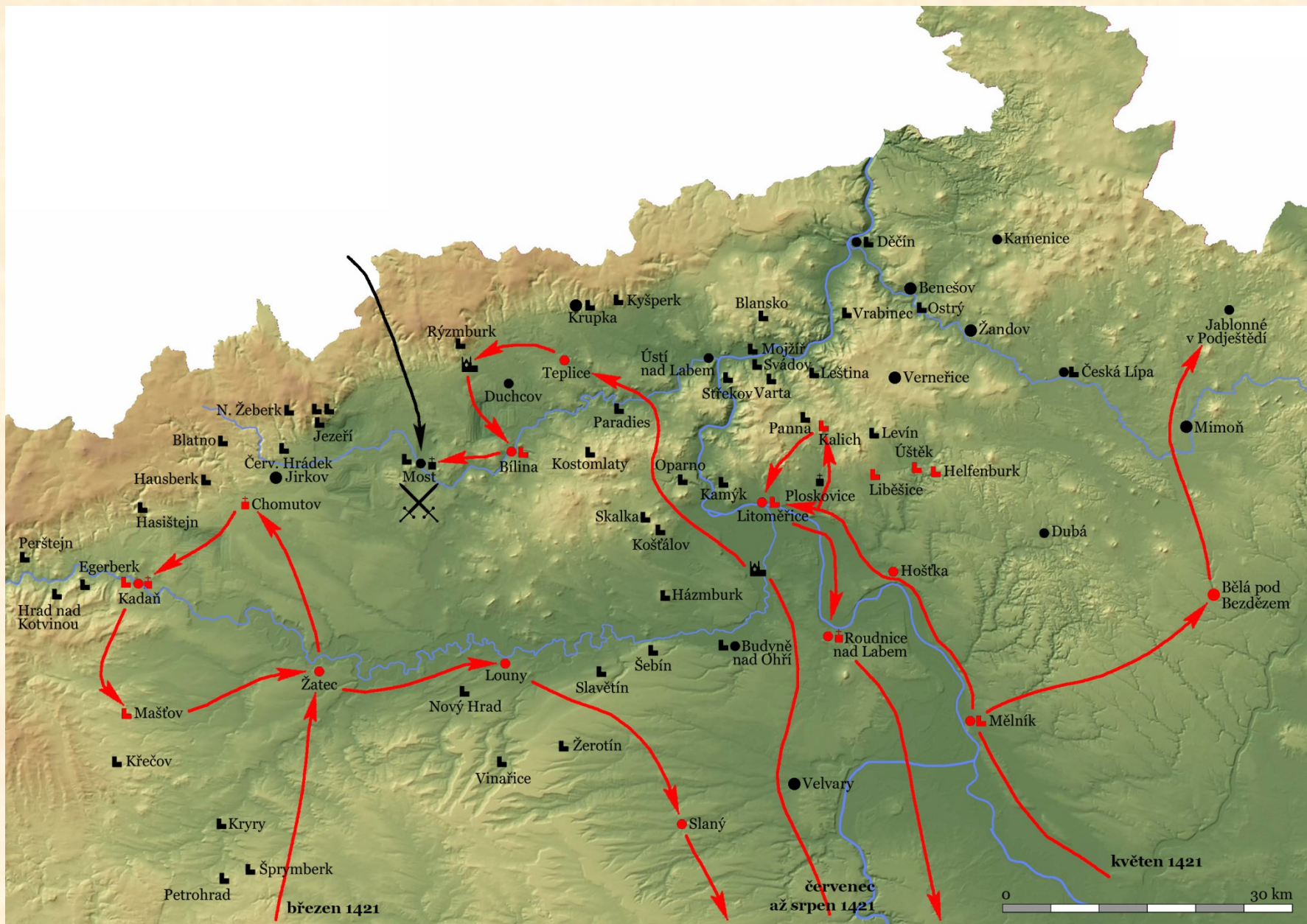
# Kalich



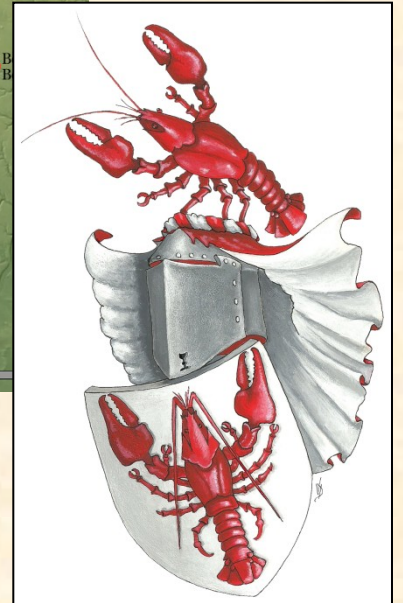
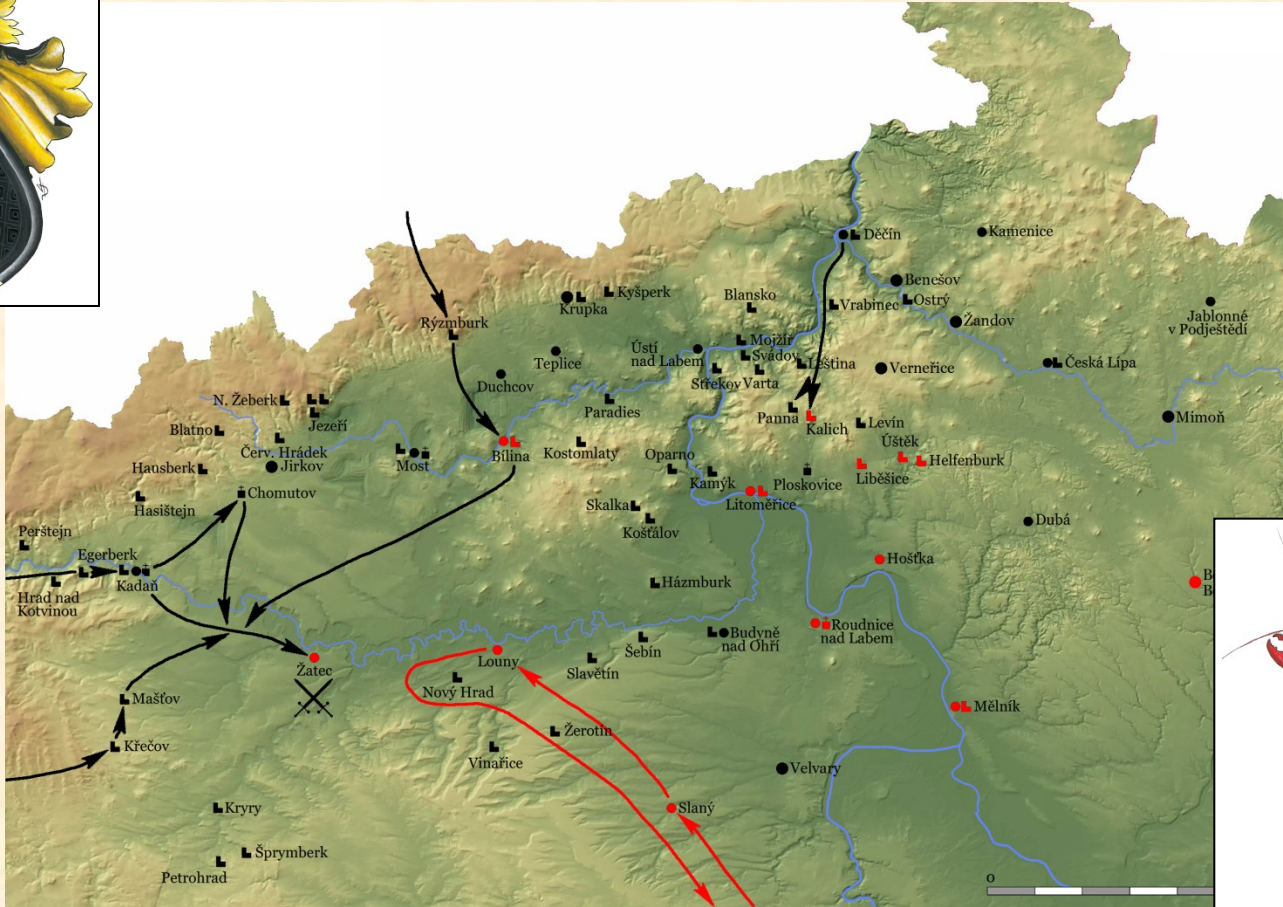




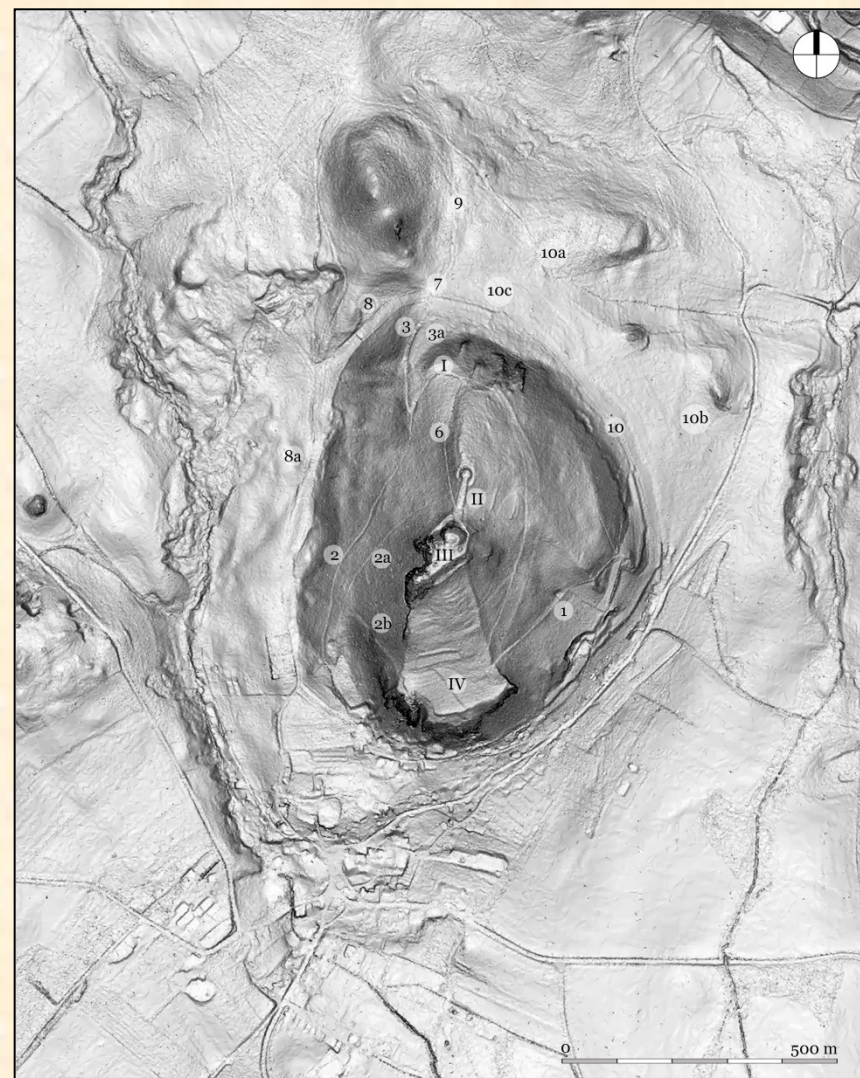
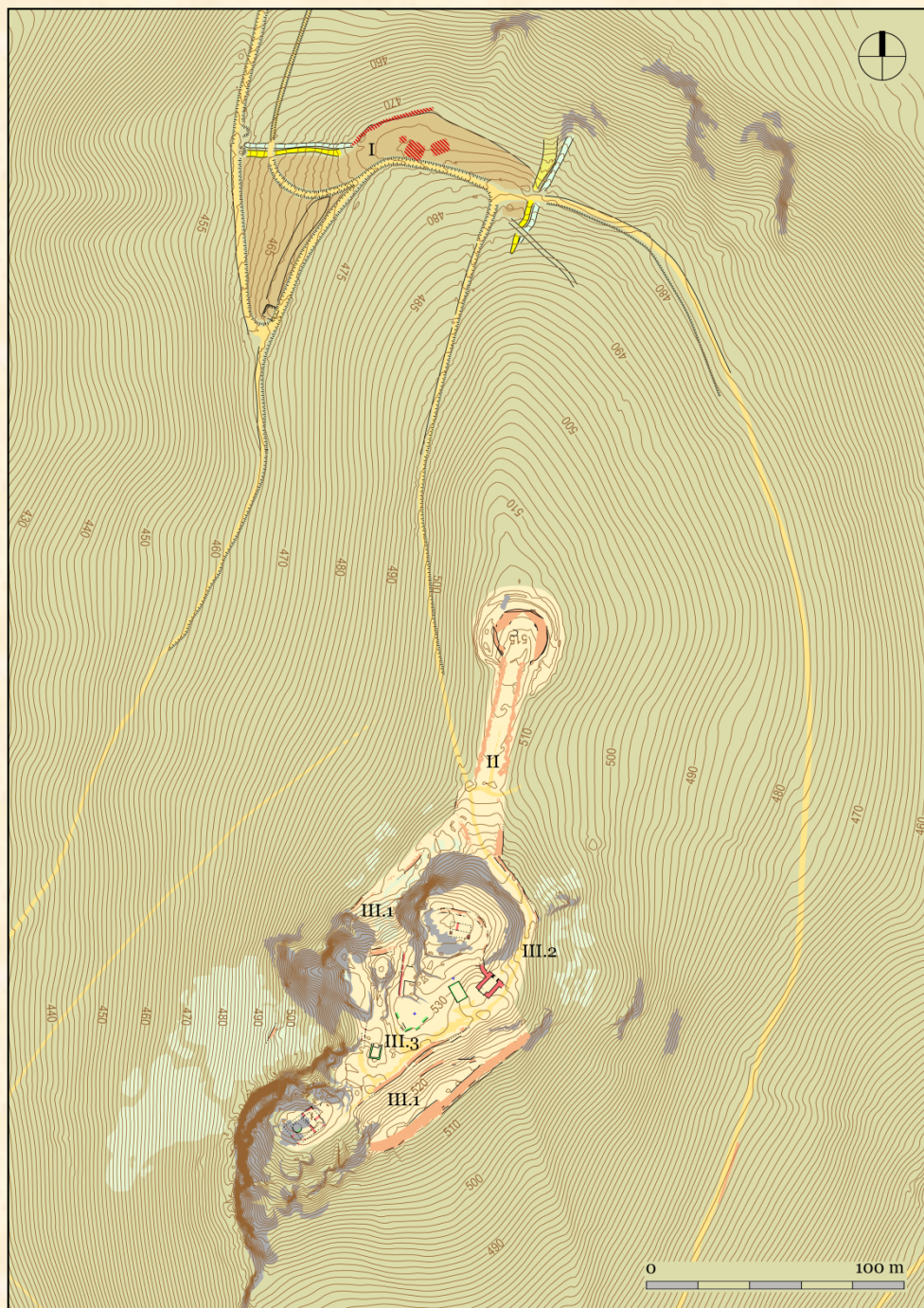






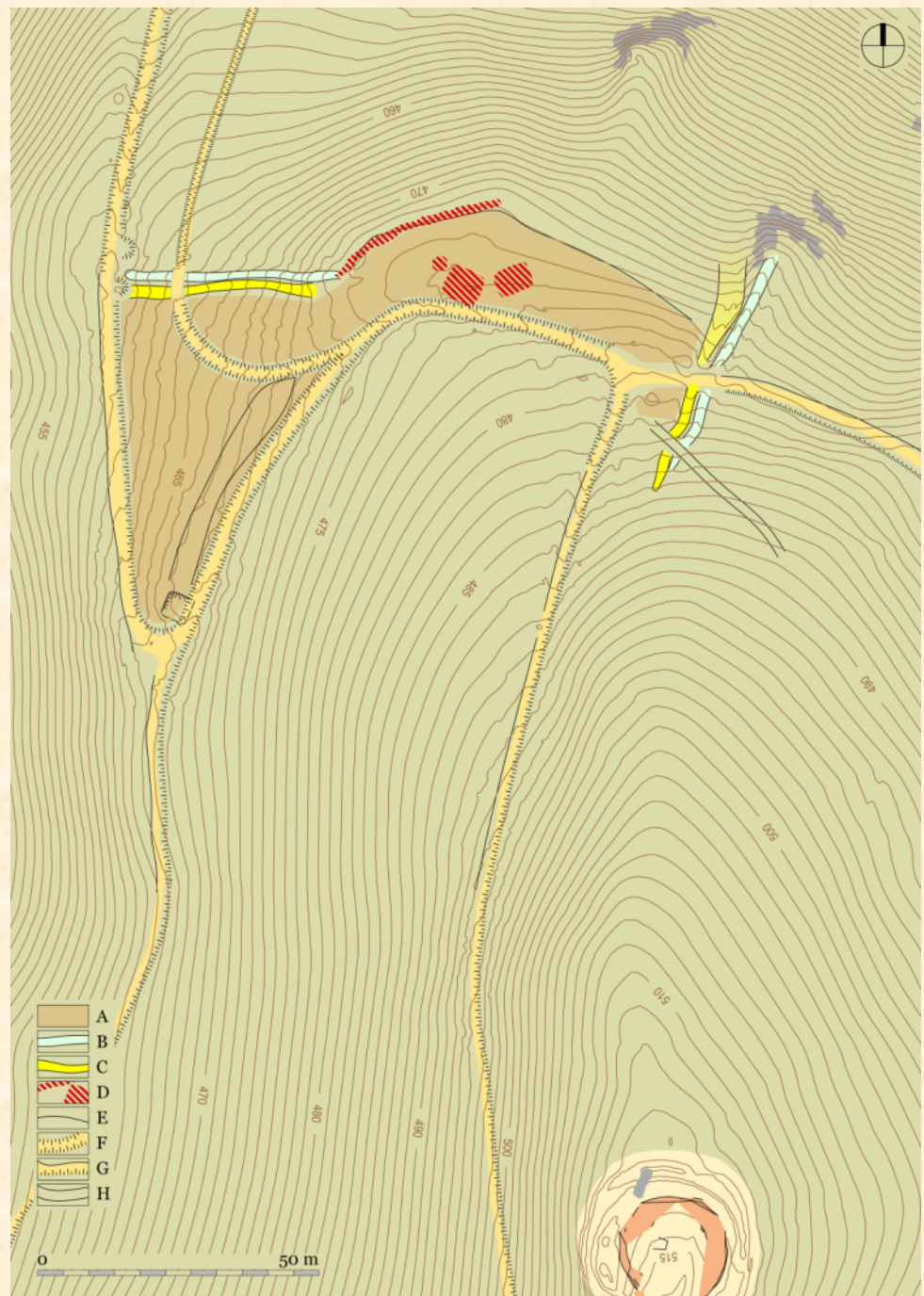




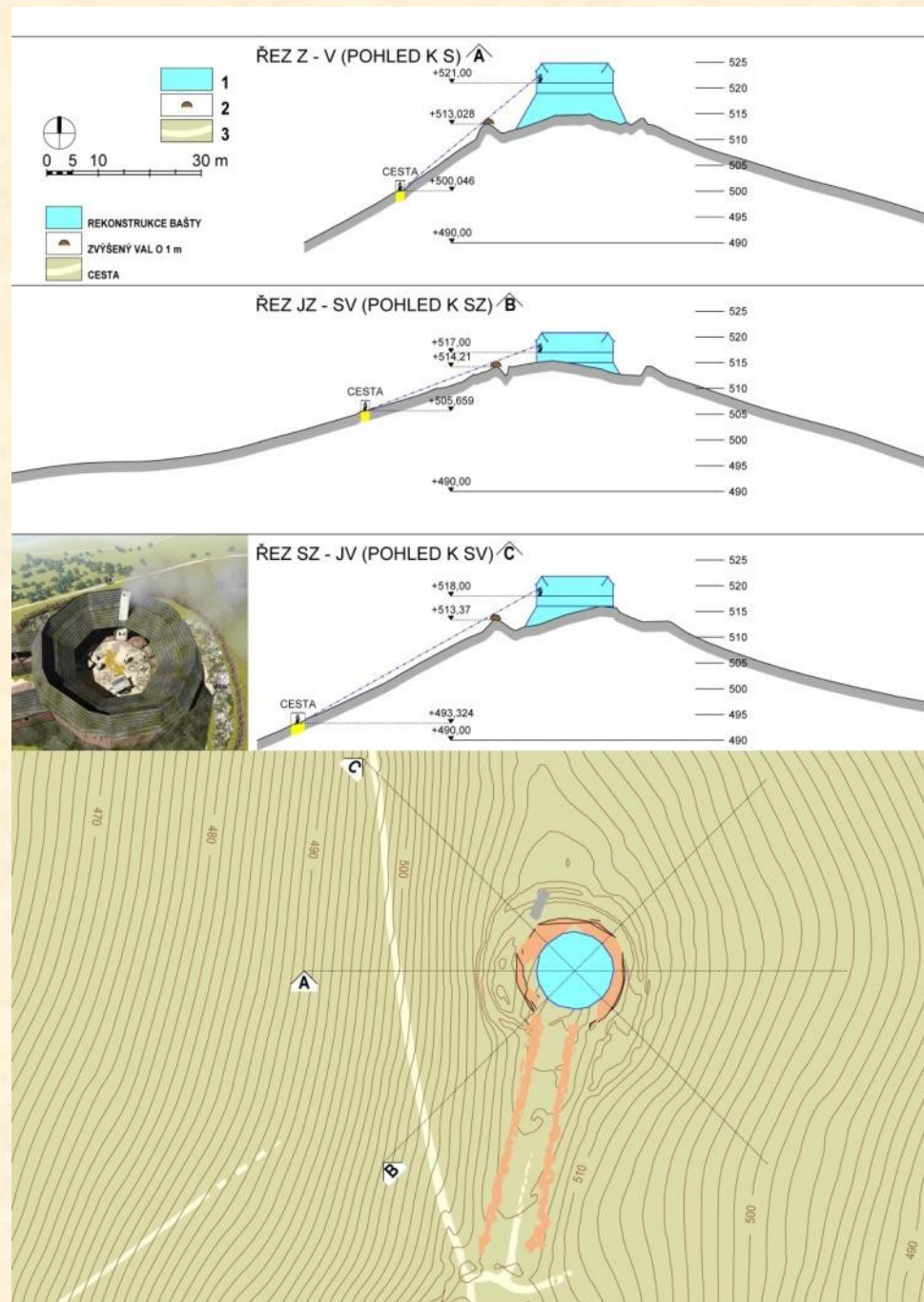


Plány P. Hlavenka – I. Lehký - M. Sýkora – J. Šály













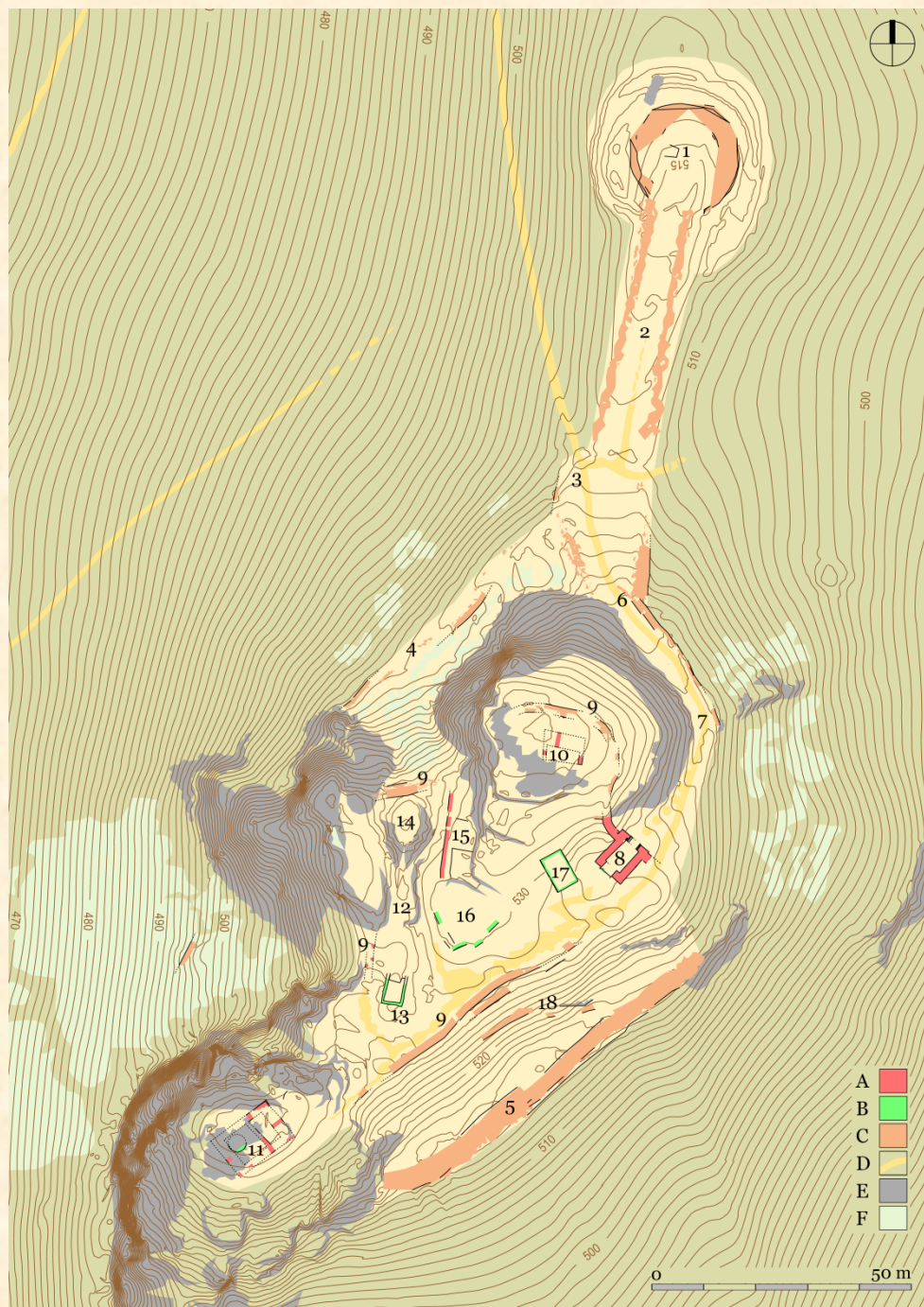
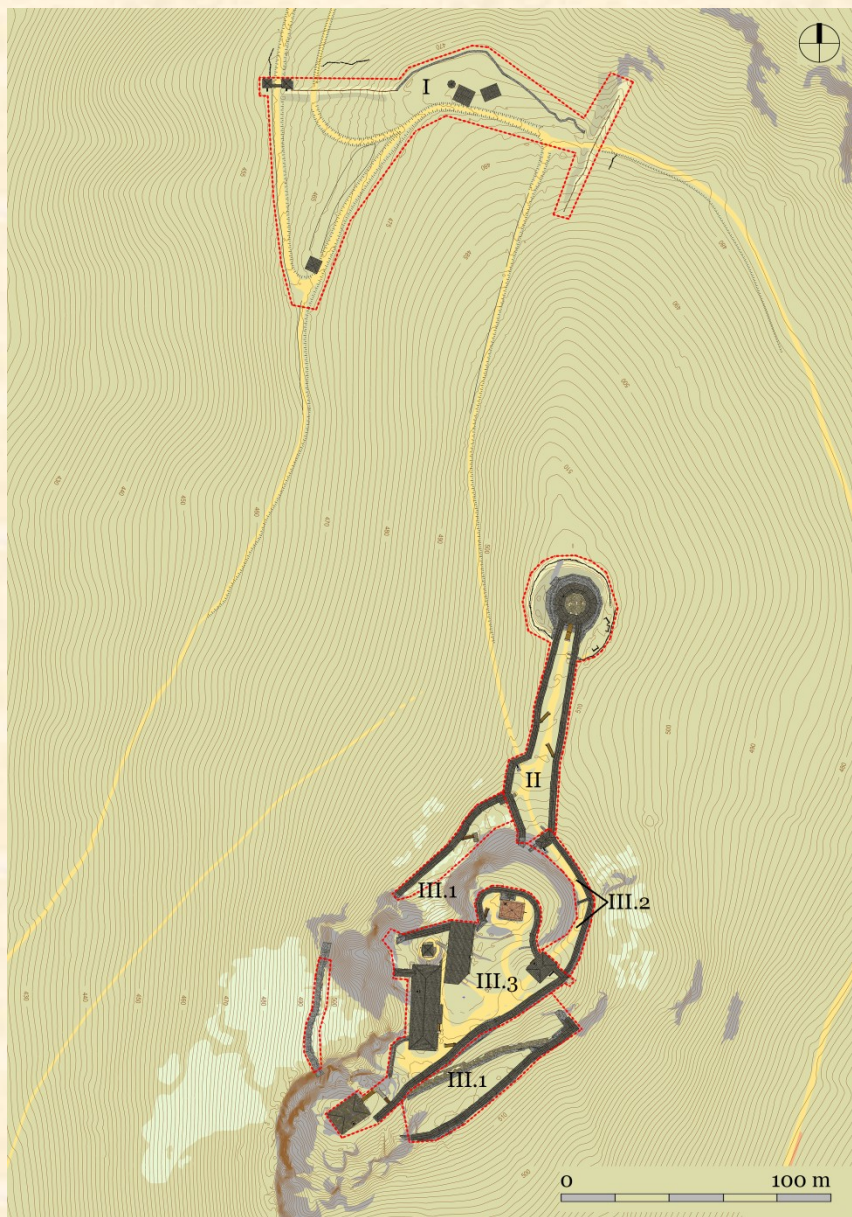




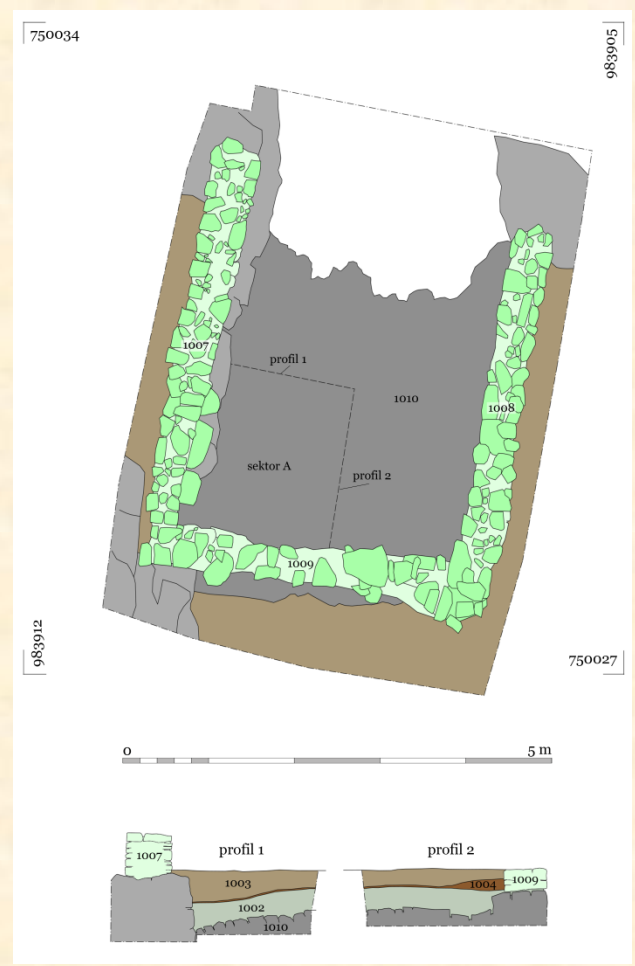
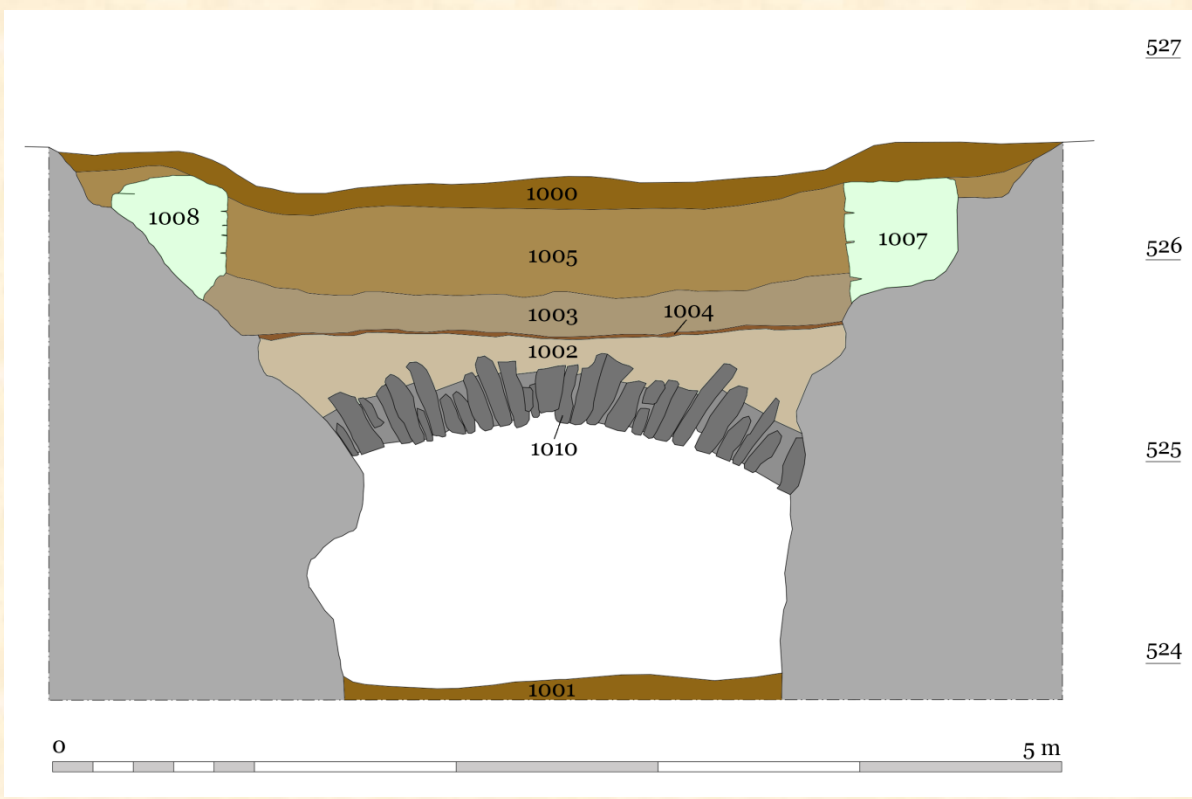
3D model I. Lehký



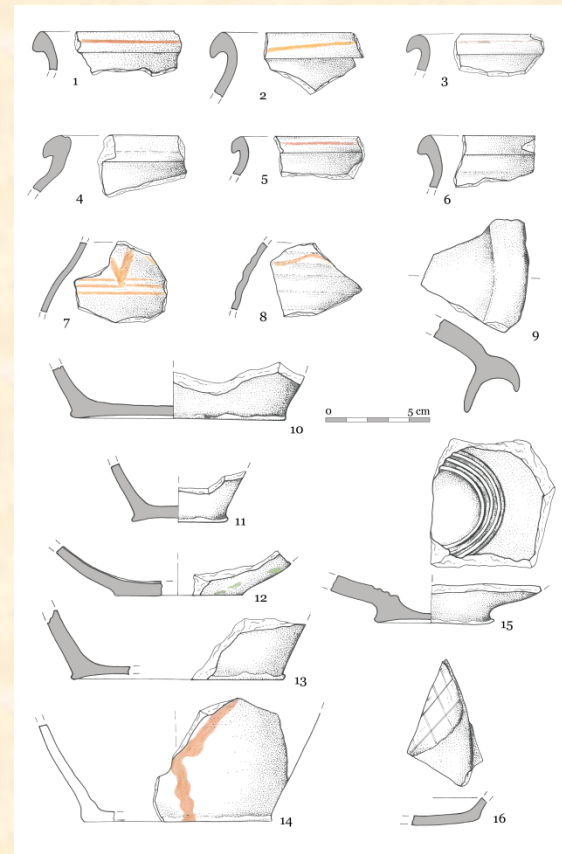
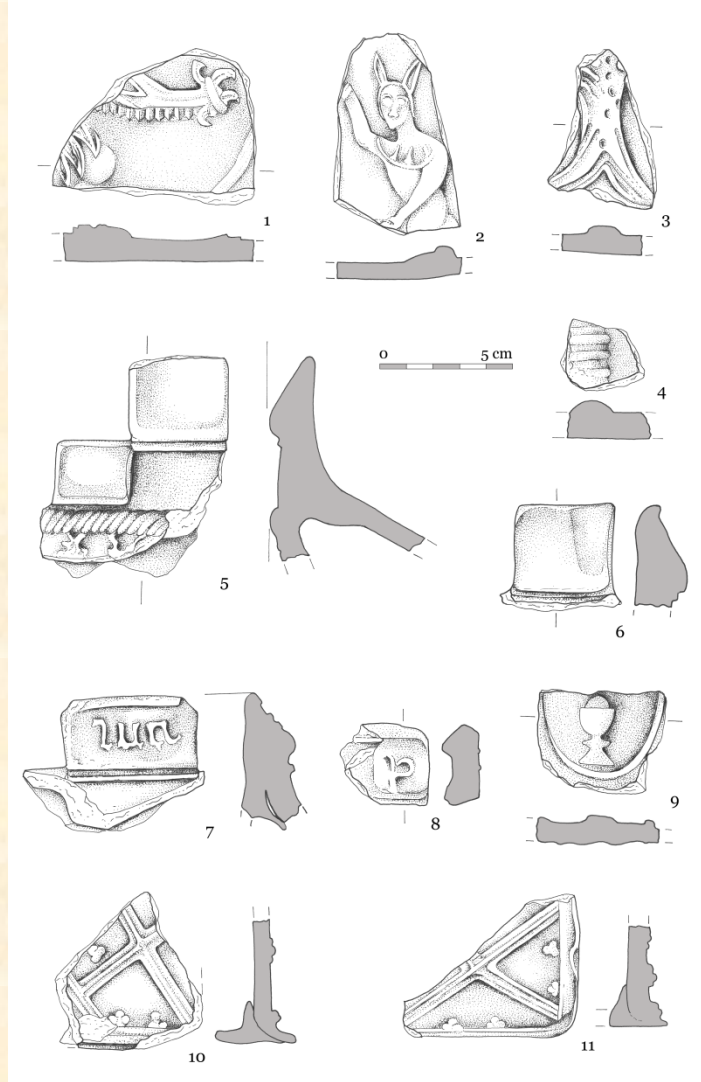
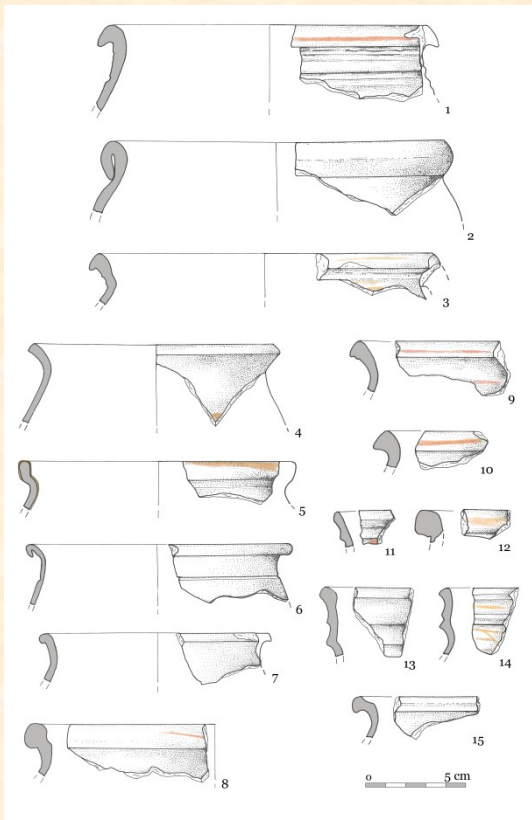




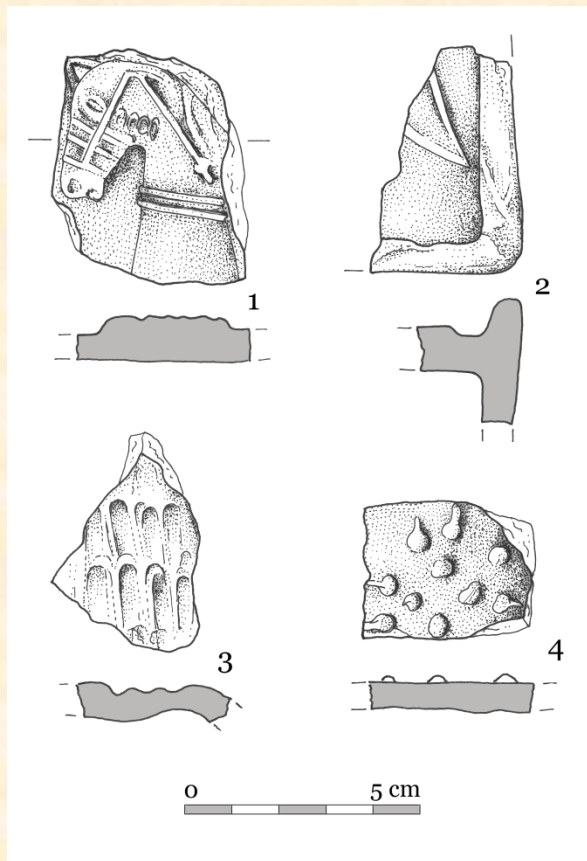
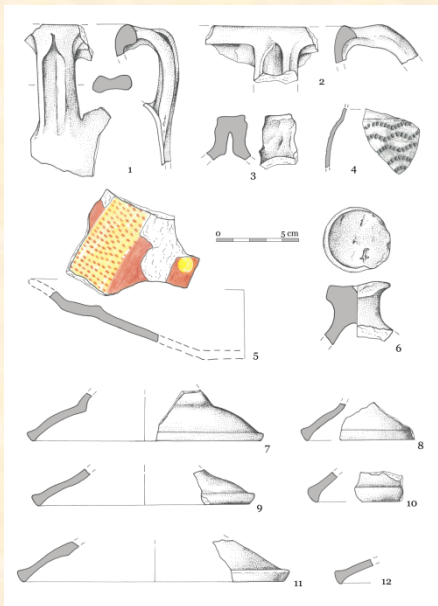
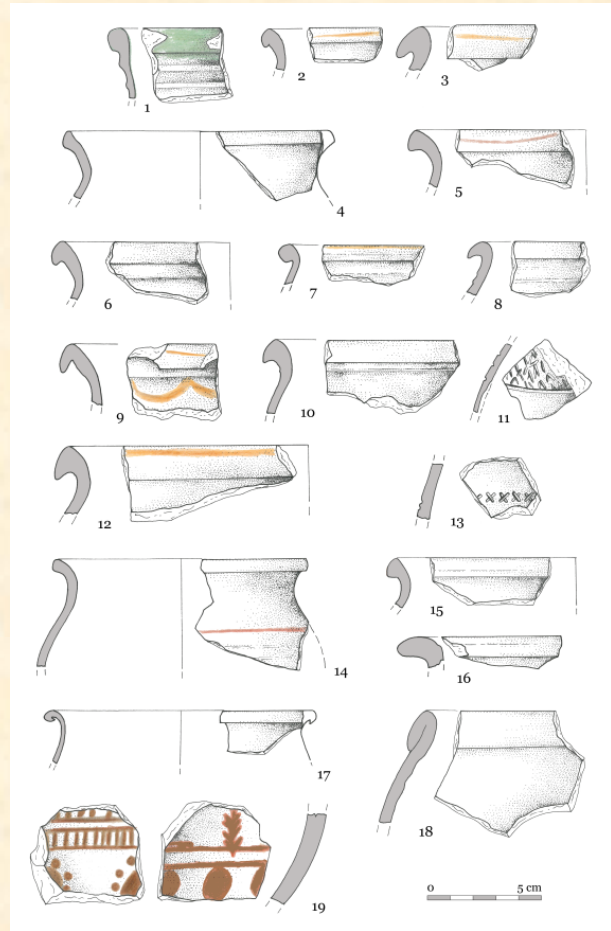
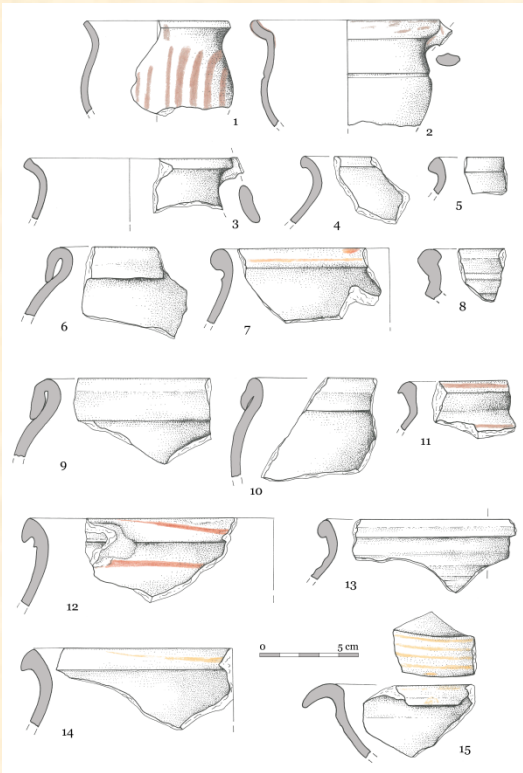




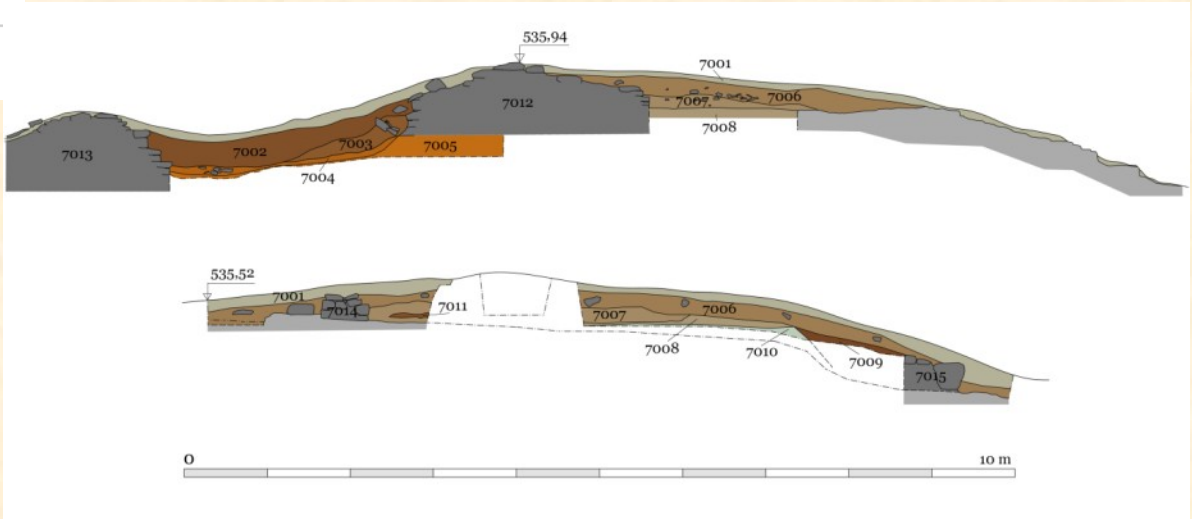
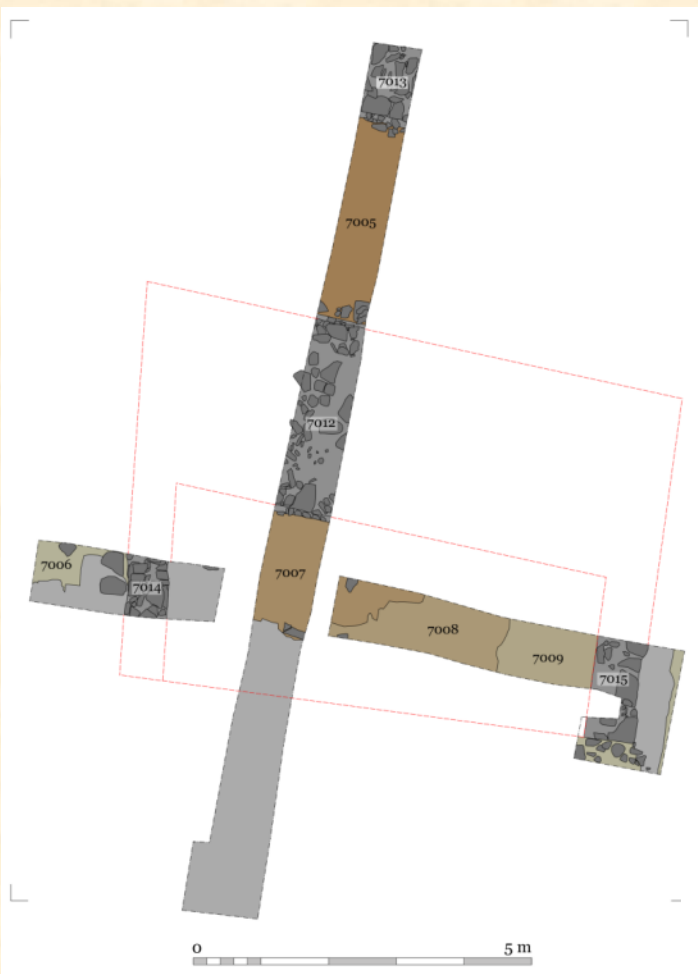






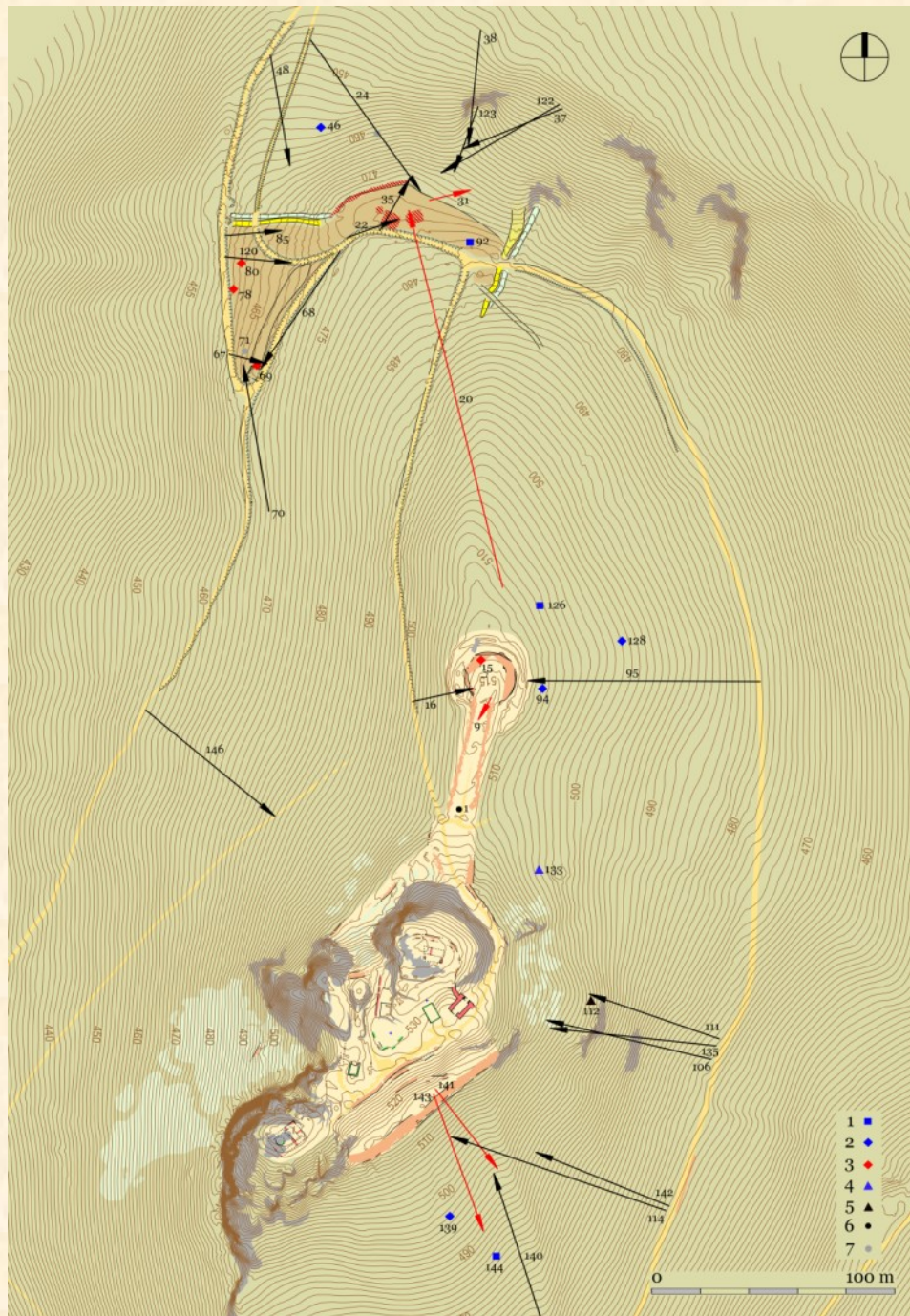




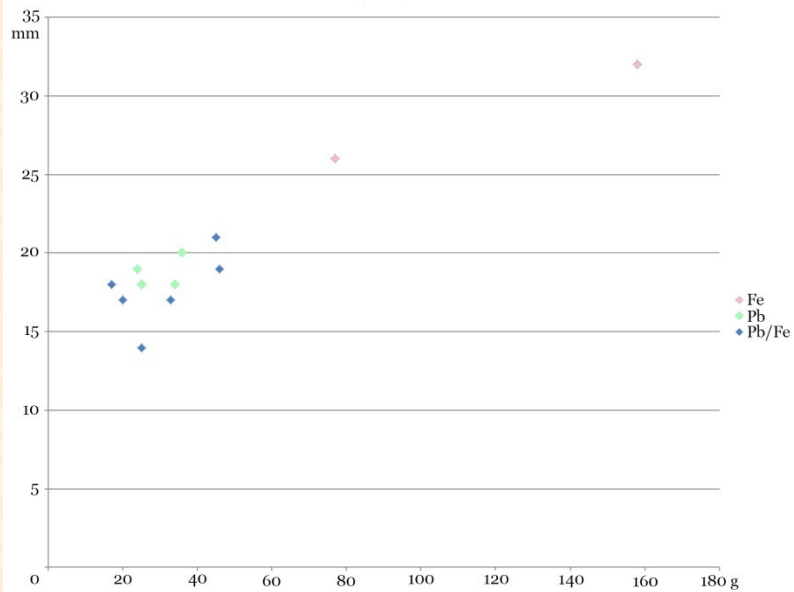




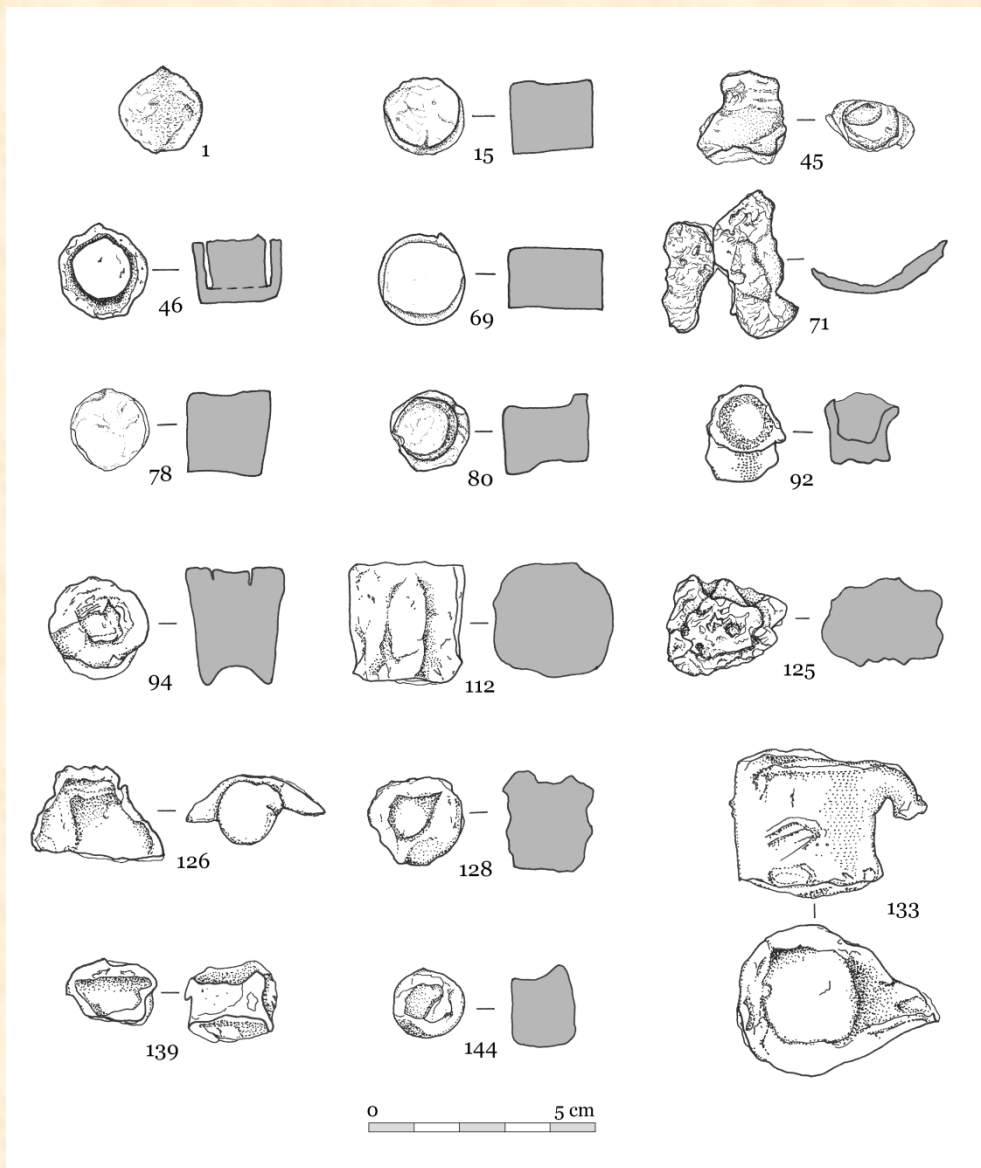




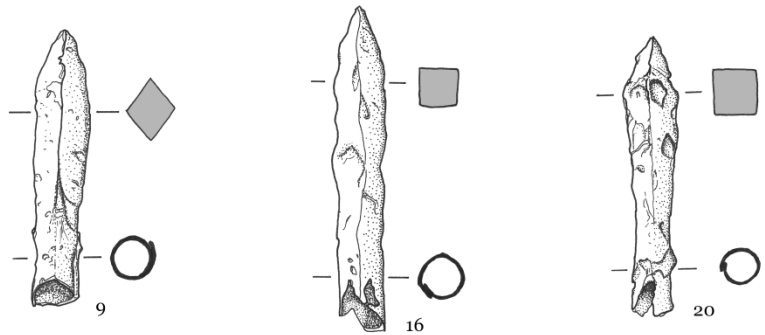
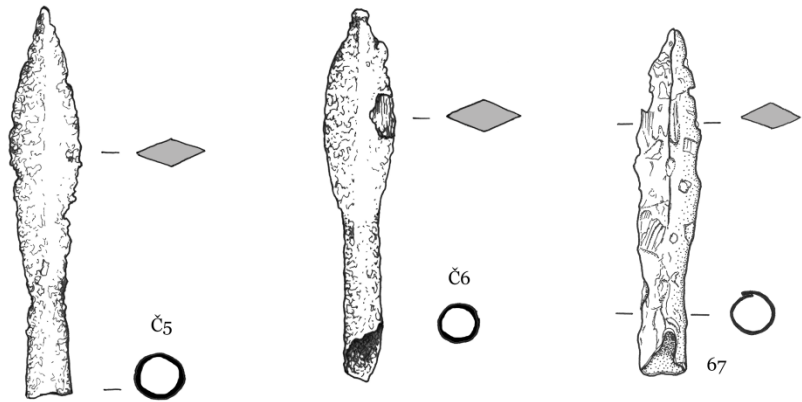
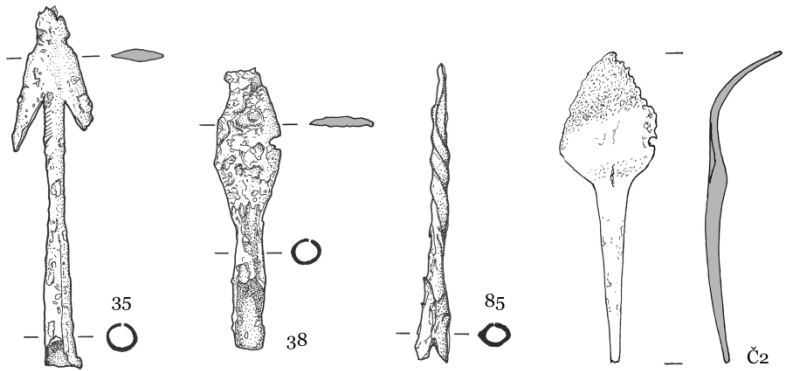
hmotnost/ráže/materiál



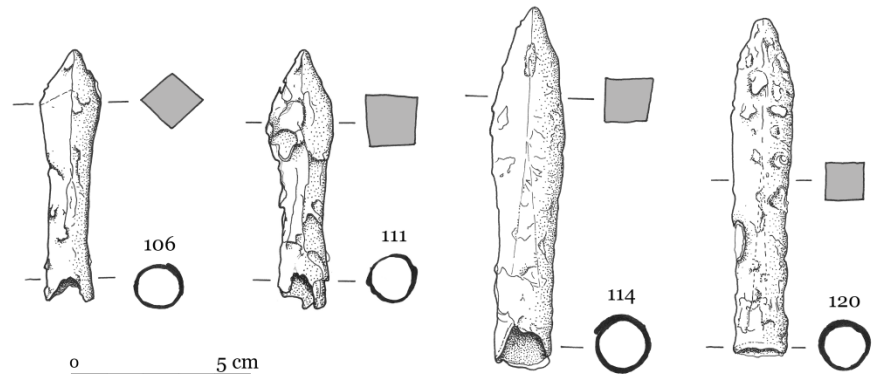
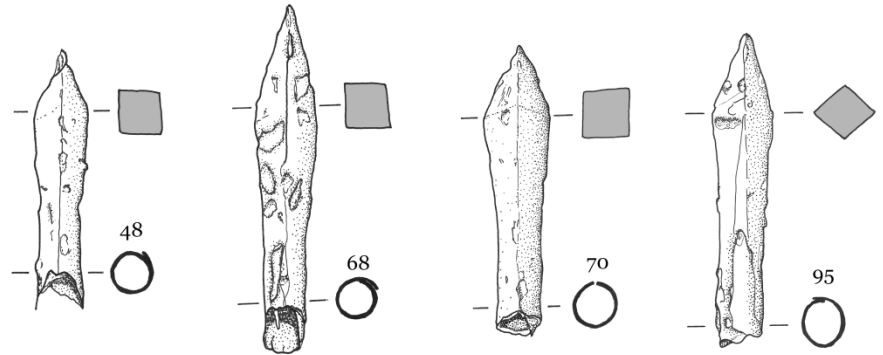
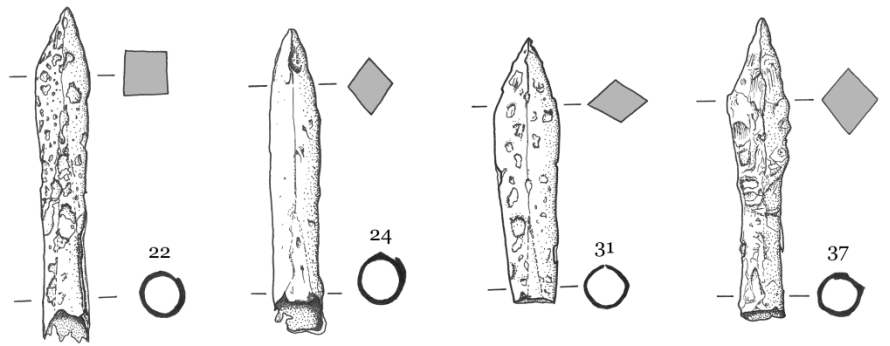
číslo nálezu	tvár	hmotnost	délka	ráže	materiál	poškození
1	kule	17		1,8	Fe	ne
15	válec	24	1,6	1,9	Pb	ne
45	válec	17+	?	?	Pb	ano
46	válec	46	1,4	1,9	Pb+Fe	ne
69	válec	36	1,3	2	Pb	ne
71	?	7	?	?	Pb	ano
78	válec	34	1,8	1,8	Pb	ne
80	válec	25	1,5	1,8	Pb	ne
92	válec	8+	1,6	1,3	Pb+Fe	ano
94	válec	45	2,5	2,1	Pb+Fe	ne
112	válec	77	2,6	2,6	Fe	ne
126	válec	13+	2	1,4	Pb+Fe	ano
128	válec	33	2,2	1,7	Pb+Fe	ano
133	válec	158	3,3	3,2	Pb+Fe	ano
139	válec	20	1,8	1,7	Pb+Fe	ano
144	válec	25	1,8	1,4	Pb+Fe	ne







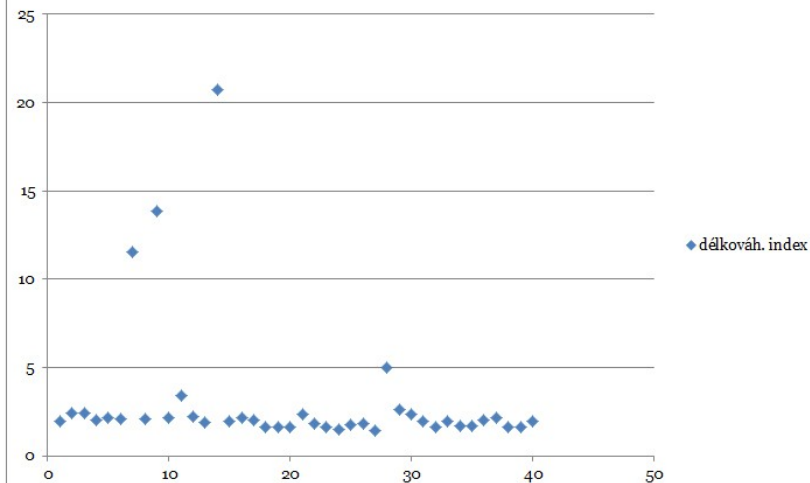
0 5 cm



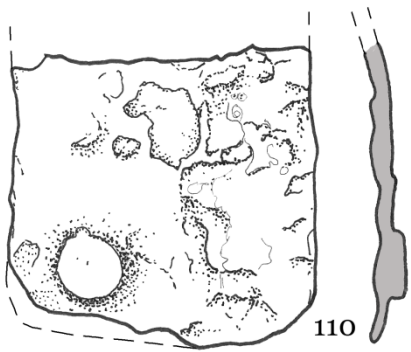
0 5 cm

Číslo nálezu	A	B	hmotnost	celková délka	délkováh. index	kuše	luk
9	A-a-III-3-a-2		38	75	1,97	1	
16	A-a-III-1-c-2		37	89	2,4	1	
20	A-a-II-1-a-1		32	77	2,4	1	
22	A-a-II-1-a-1		46	94	2,04	1	
24	A-a-III-2-c-2		40	87	2,17	1	
31	A-a-III-2-a-2		36	75	2,08	1	
35	A-c-III-6-a-1		9	104	11,55		1
37	A-a-III-2-a-1		41	85	2,07	1	
38	A-b-III-6-b-1		6	83	13,83		1
48	A-a-II-1-a-1		34	73	2,14	1	
67	A-b-III-3-a-1		28	95	3,39		1
68	A-a-III-1-a-2		44	97	2,2	1	
70	A-a-II-1-a-2		43	81	1,88	1	
85	A-e-V-7-a-1		4	83	20,75		1
95	A-a-II-3-a-2		44	87	1,97	1	
106	A-a-II-2-a-1		33	70	2,12	1	
111	A-a-III-1-a-1		36	73	2,02	1	
114	A-a-III-1-a-2		63	101	1,6	1	
120	A-a-III-1-a-2		59	96	1,62	1	
122	A-a-III-3-a-1		53	85	1,6	1	
123	A-a-III-1-c-2		31	74	2,38	1	
135	A-a-II-3-c-2		42	77	1,83	1	
140	A-a-II-1-a-1		53	87	1,64	1	
141	A-a-II-3-a-2		61	93	1,52	1	
142	A-a-II-2-a-2		61	106	1,73	1	
143	A-a-III-2-a-1		54	97	1,79	1	
146	A-a-III-3-a-1		62	89	1,43	1	
Č2		B-b-IV-6-a-1	19	95	5		1
Č5	A-b-III-3-a-1		41	107	2,61	1	
Č6	A-b-III-3-a-2		44	103	2,34	1	
Č7	A-a-II-1-a-2		33	65	1,97	1	
Č10	A-a-III-3-a-1		53	87	1,64	1	
Č11	A-a-III-3-a-1		37	71	1,92	1	
Č12	A-a-III-1-a-1		43	74	1,72	1	
Č13	A-a-II-1-a-2		45	75	1,67	1	
Č14	A-a-III-1-a-1		36	73	2,02	1	
Č15	A-a-III-1-a-1		33	70	2,12	1	
Č16	A-a-III-1-a-1		46	76	1,65	1	
Č17	A-a-III-1-a-1		50	80	1,6	1	
Č18	A-a-III-1-a-2		41	79	1,93	1	

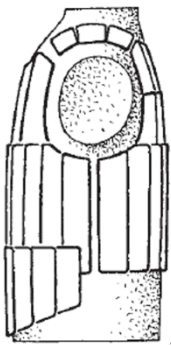
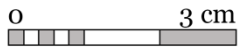
délkováh. index



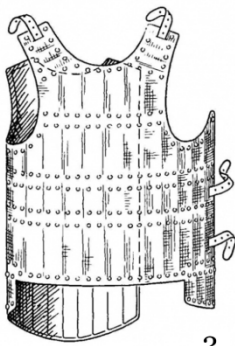




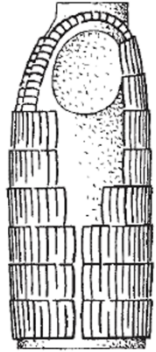
110



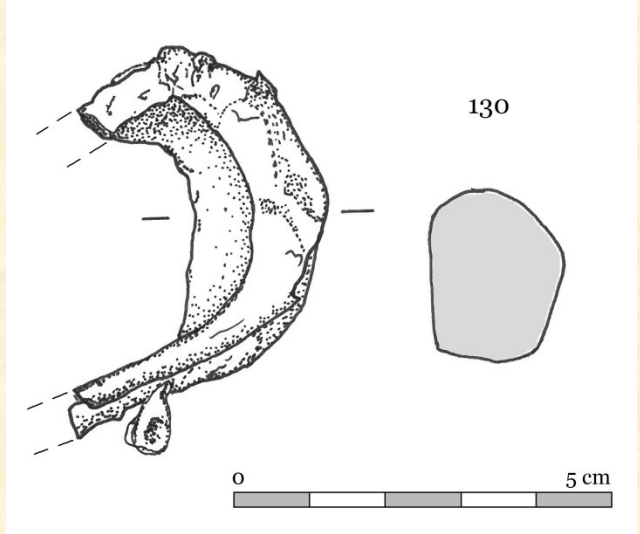
1



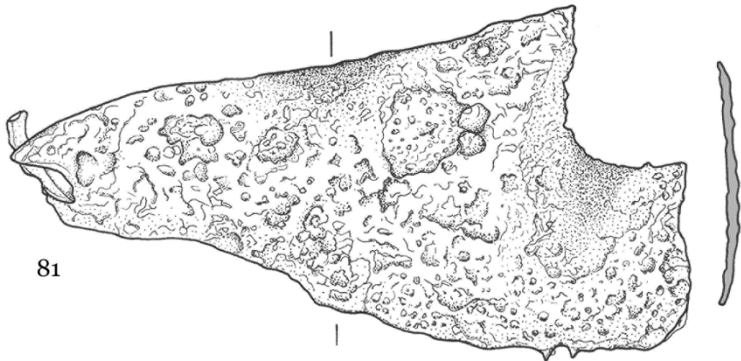
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3

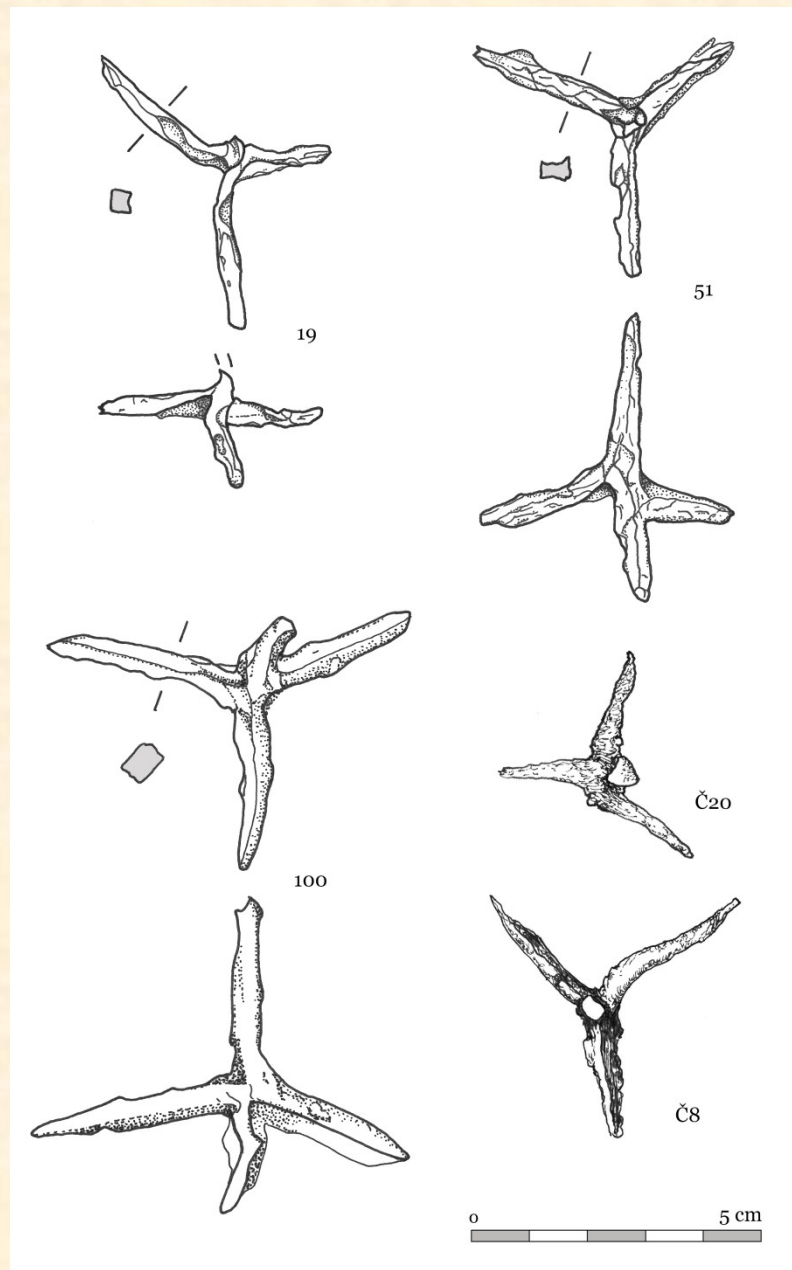
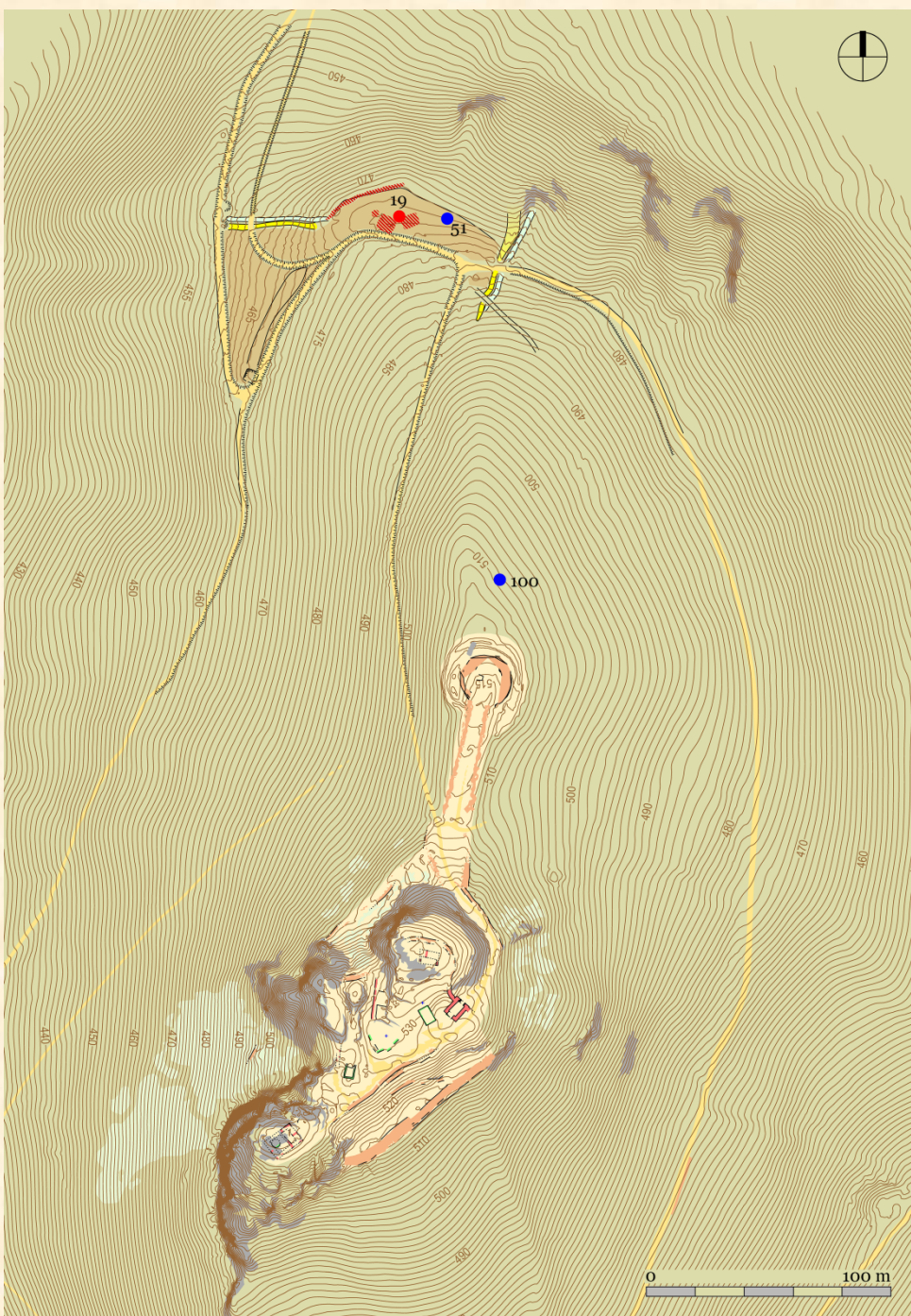


130



81





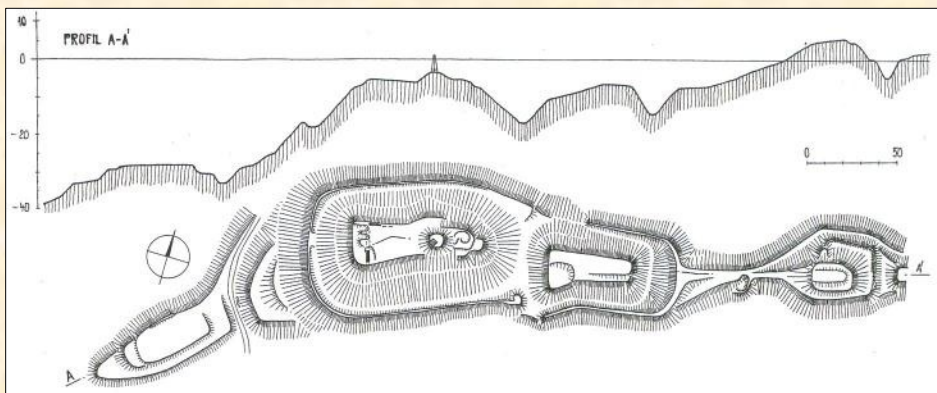




# Vysunuté opevnění

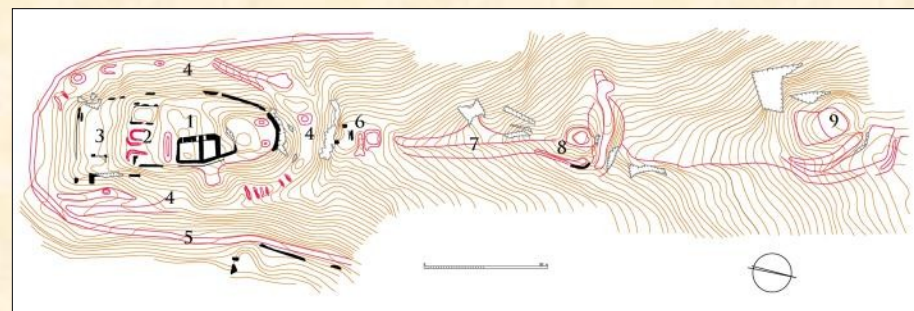




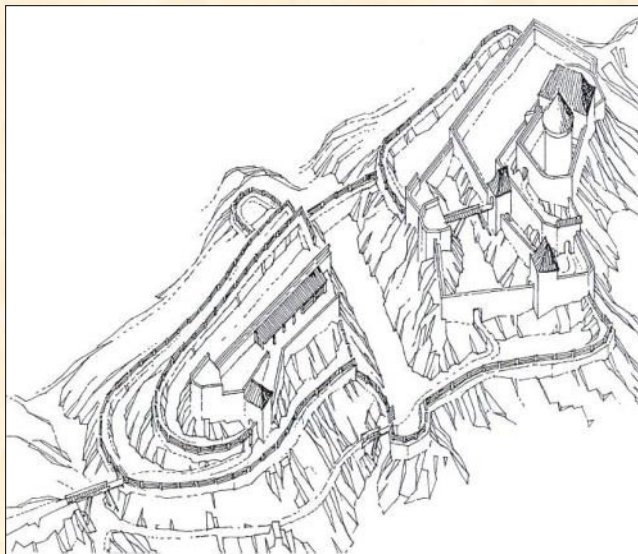


Hoštejn (Přerov)  
Před 1437-46

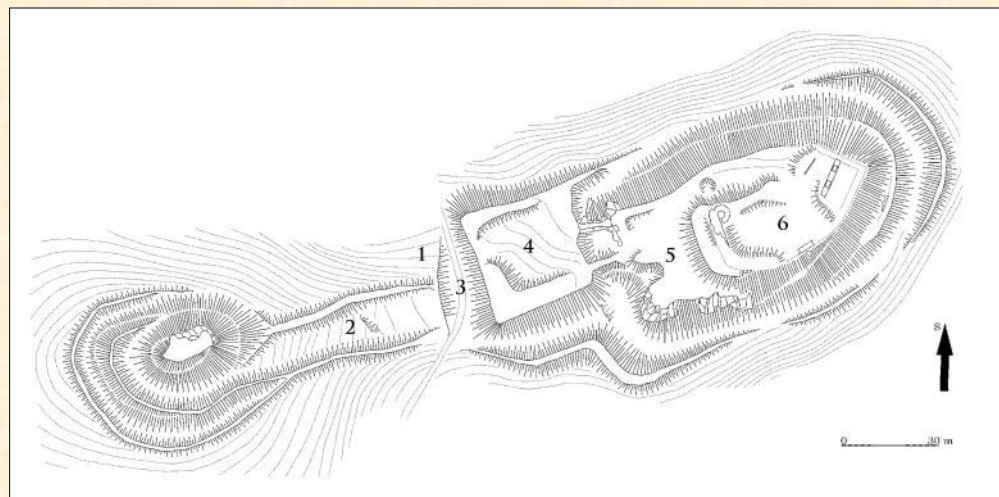
Převzato od M. Plačka a J. Kohoutka



Drahotuše (Přerov)  
Kolem 1446 Heník z Valdštejna



Pyšolec (Žďár n. S.)



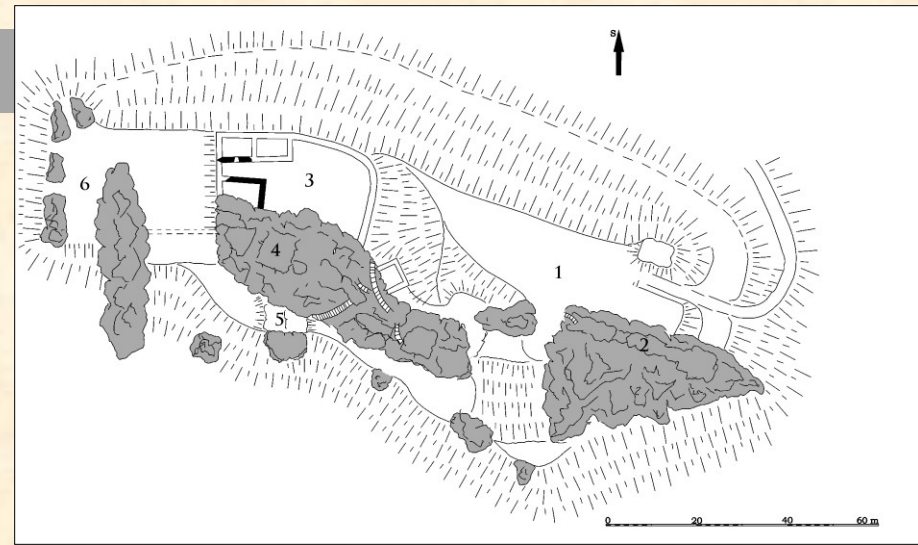
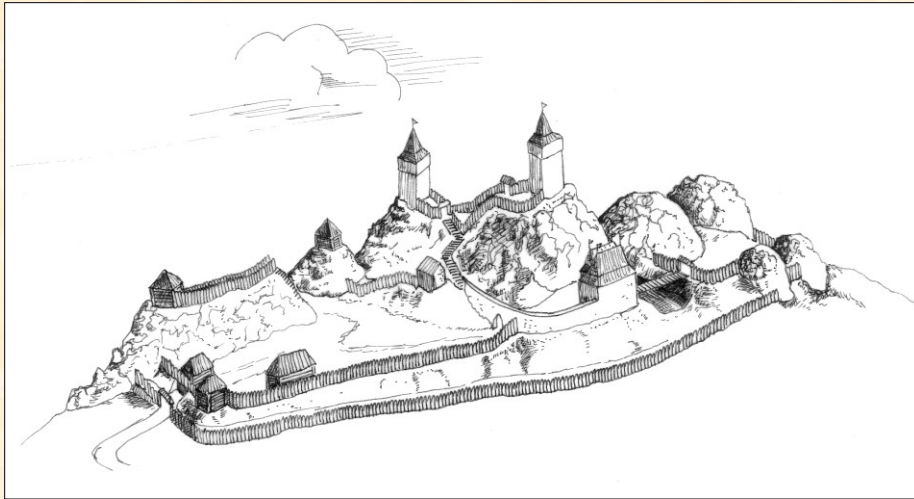
Střilky (Kroměříž)  
Po r. 1460 páni z Lichtenburka



3D model M. Sýkora



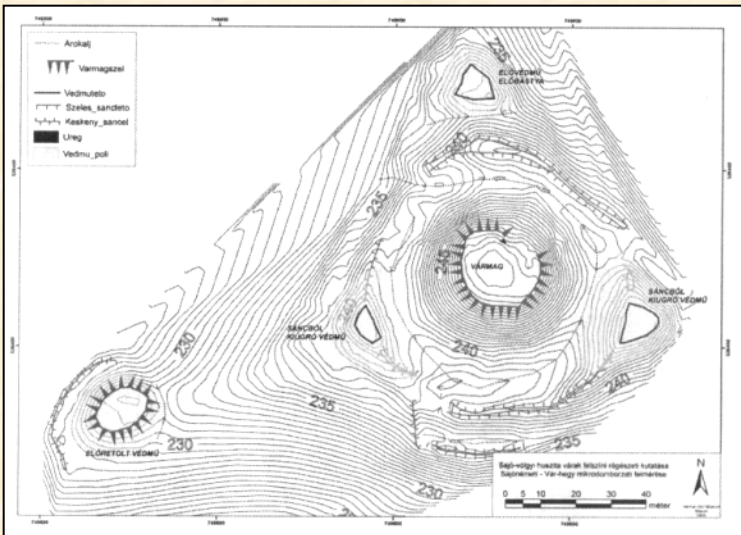
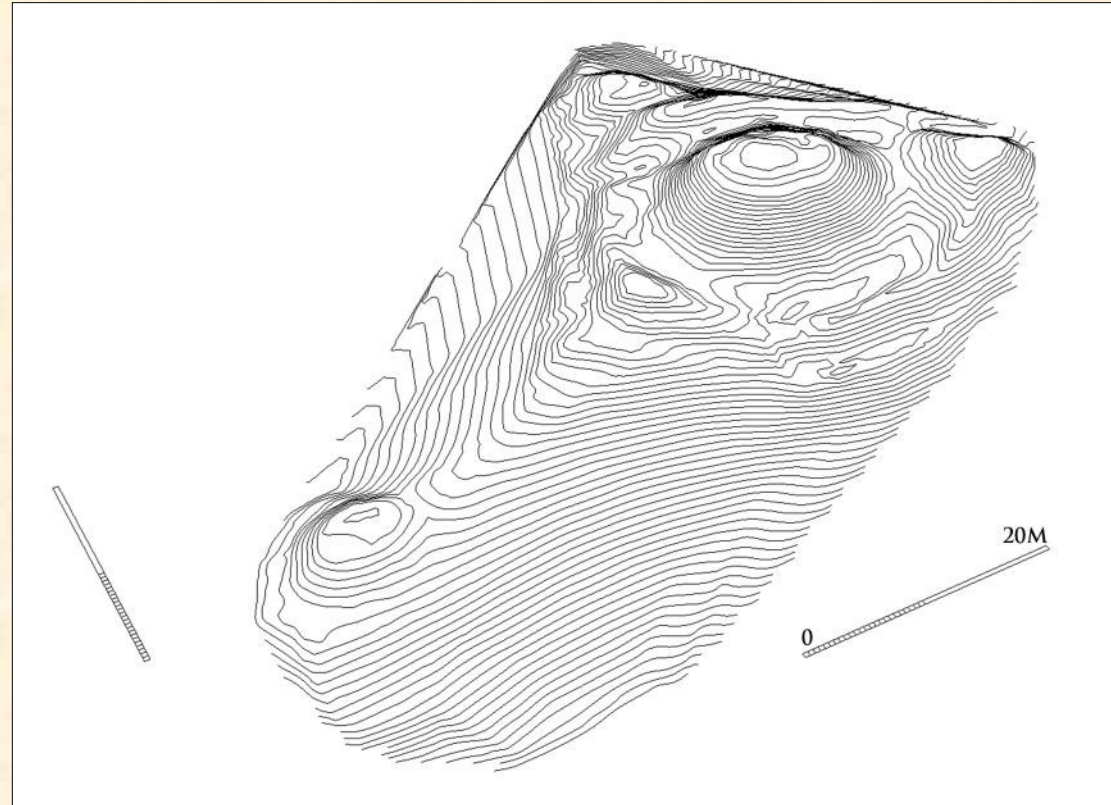
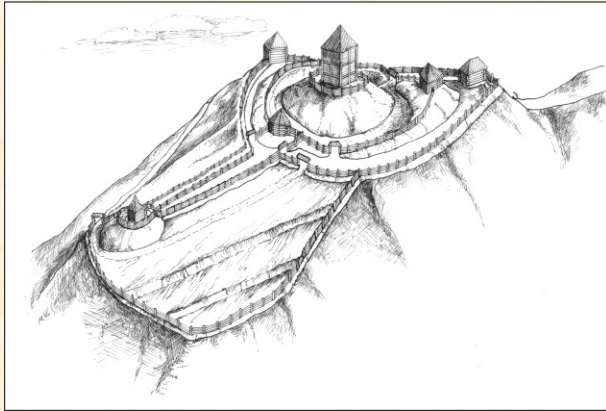
# Sokolec



Zaměření laserovým dálkoměrem M. Sýkora



# Sajónémeti



Výzkum a zaměření G. A. Szörényi  
Rekonstrukce a 3D model M. Sýkora

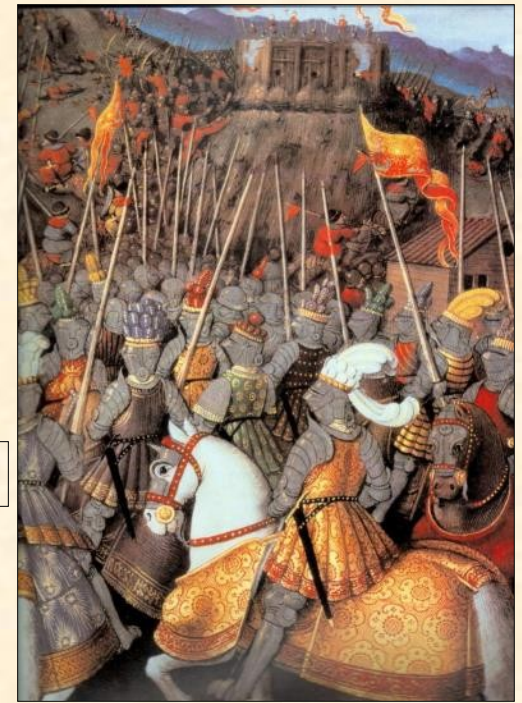




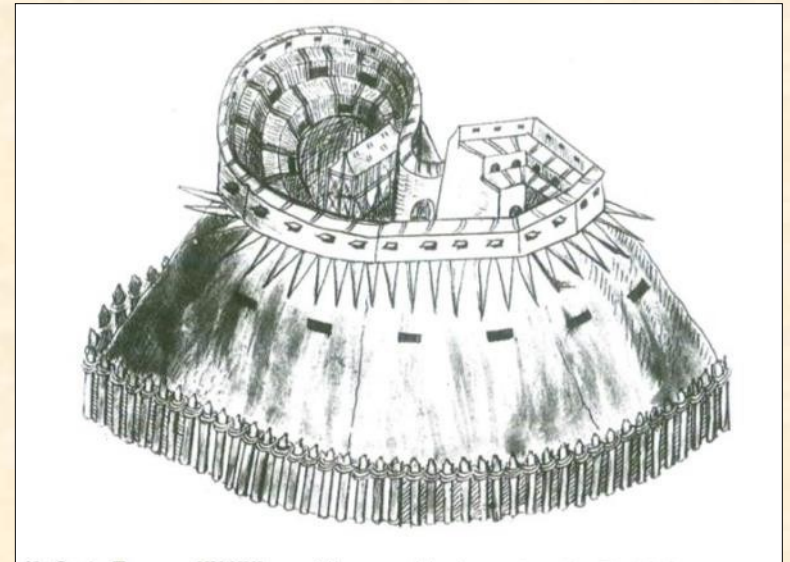
Tyrolská hradní knížka 1508/1510



Obléhání Janova 1507

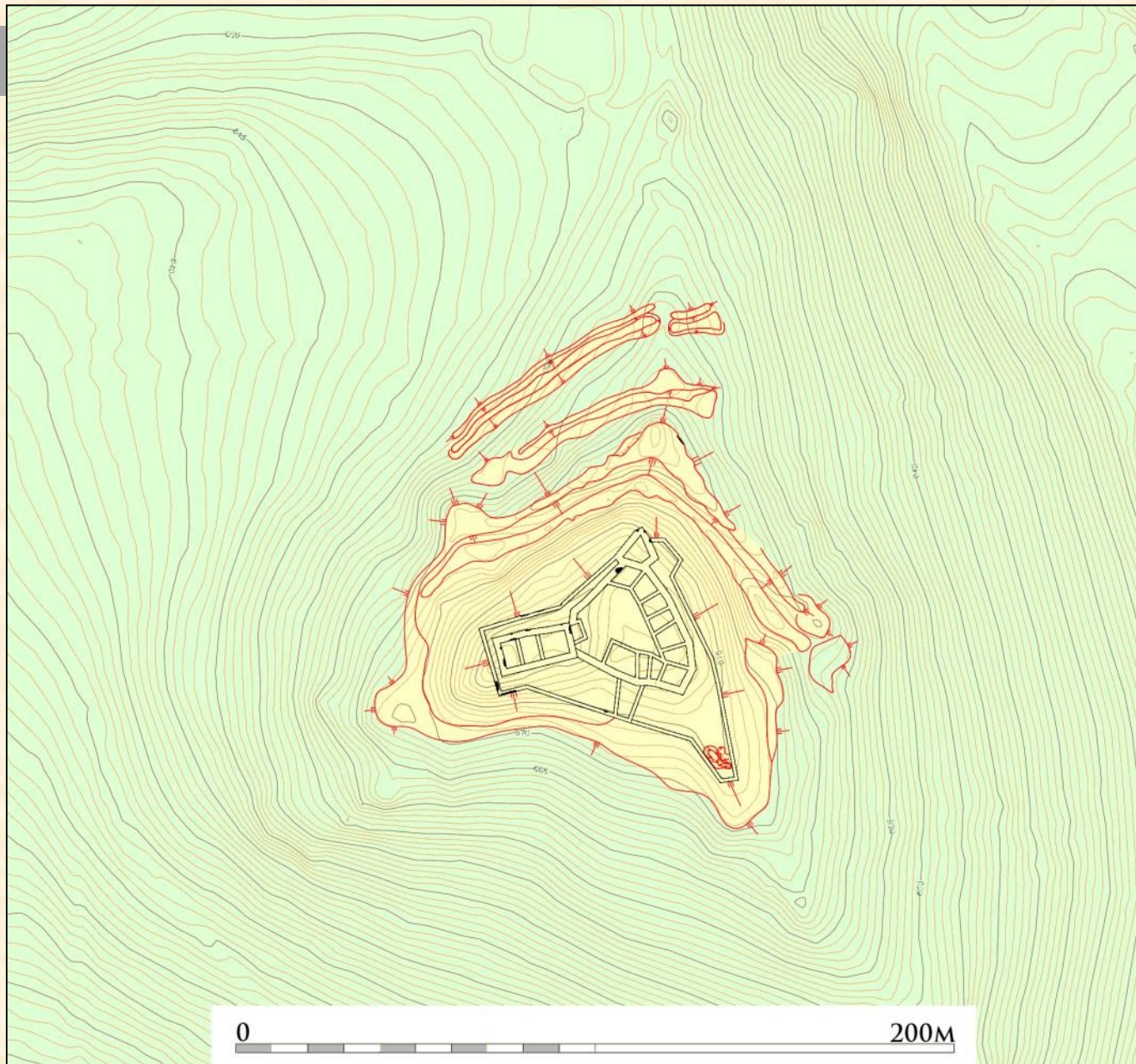


Rei tormentariae 15/16. st.





# Nový Žeberk









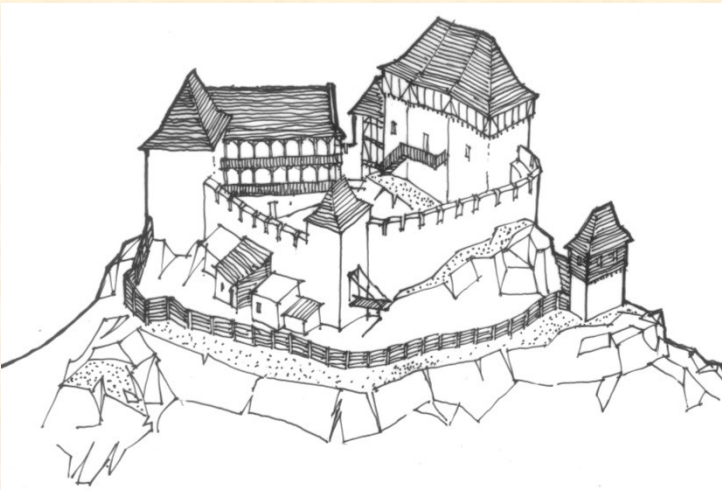
# Blansko

1401 Václav z Vartenberka  
1402/03 obléhán?  
1413 dobyt Mikulášem z Lobkovic  
1424 zastaven Sasům, posádka na hradě  
1426 zpět v rukou Zikmunda Děčínského  
1441 neúspěšně obléhán saským vojskem  
17. stol. opuštěn



Zaměření J. Novotný - M. Sýkora – J. Šály





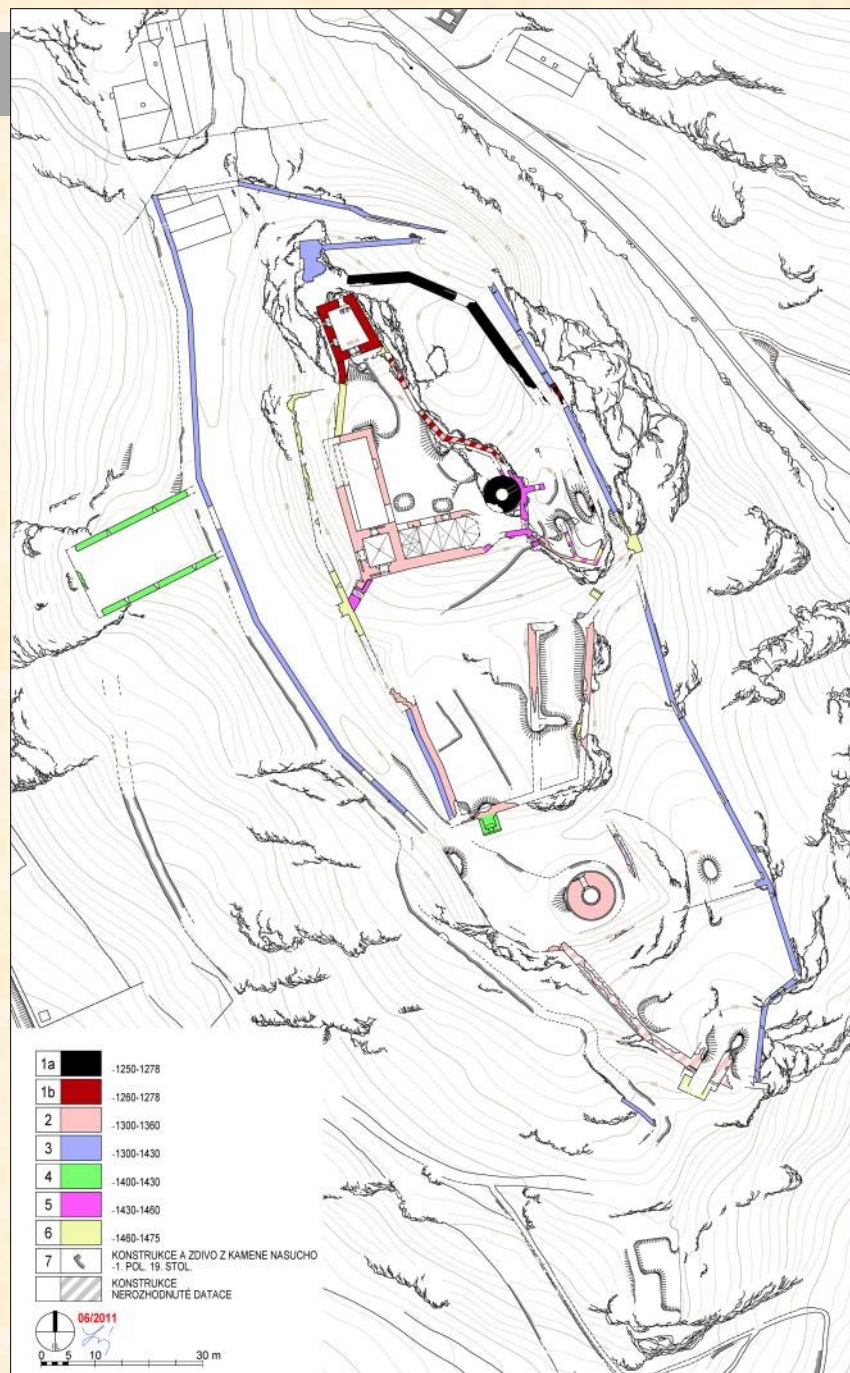
3D model M. Sýkora





# Rýzmburk (Osek)

Foto M. Žihla







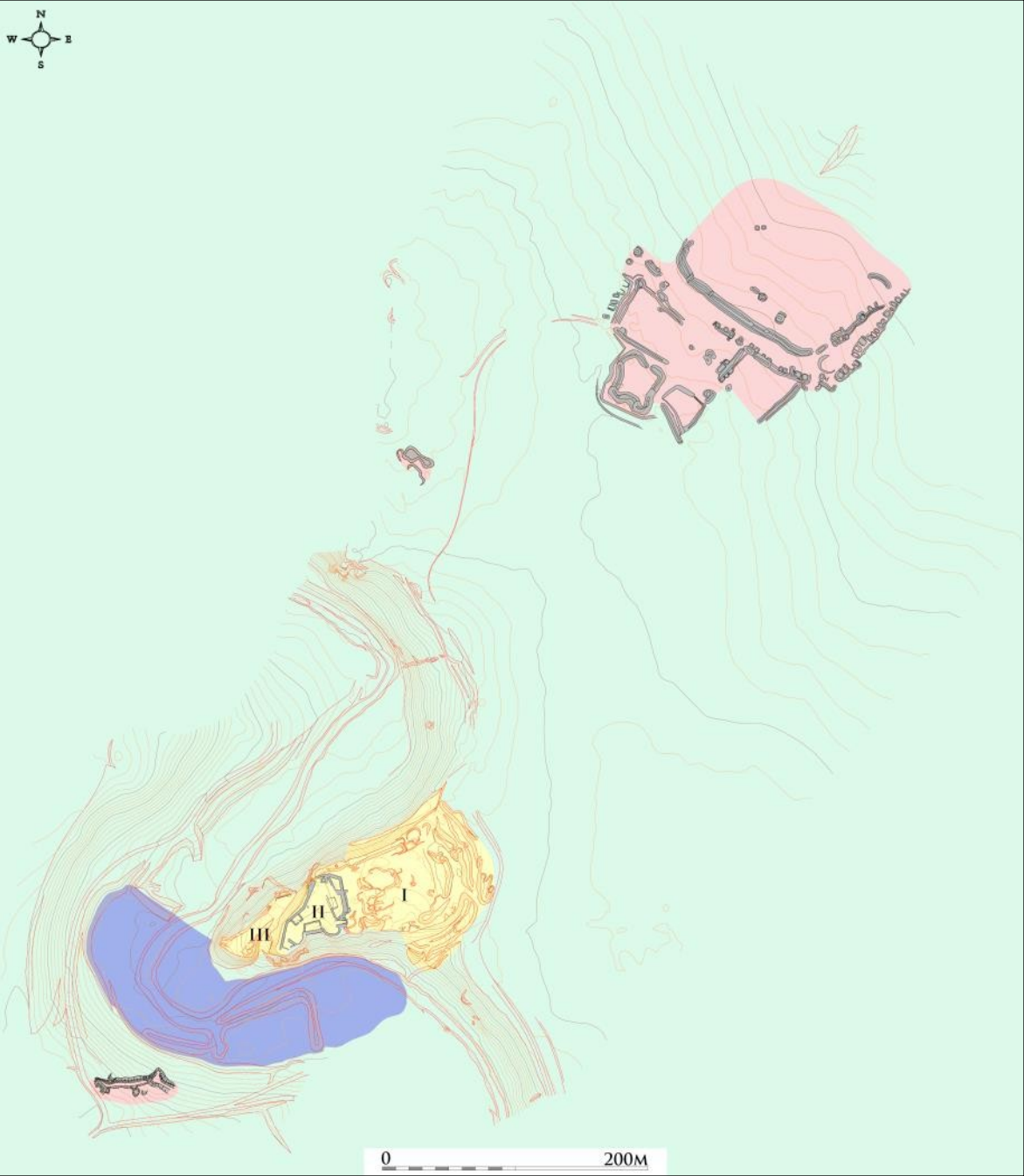
# Jan Roháč z Dubé - Sion

- vznik 1426 – 36
- 1427 – 34 Roháč mizí z pramenů
- 1433 – Roháč se píše po Tehově
- 1936 a 1961-64 arch. Výzkumy (E. Janská)



Plány M. Sýkora



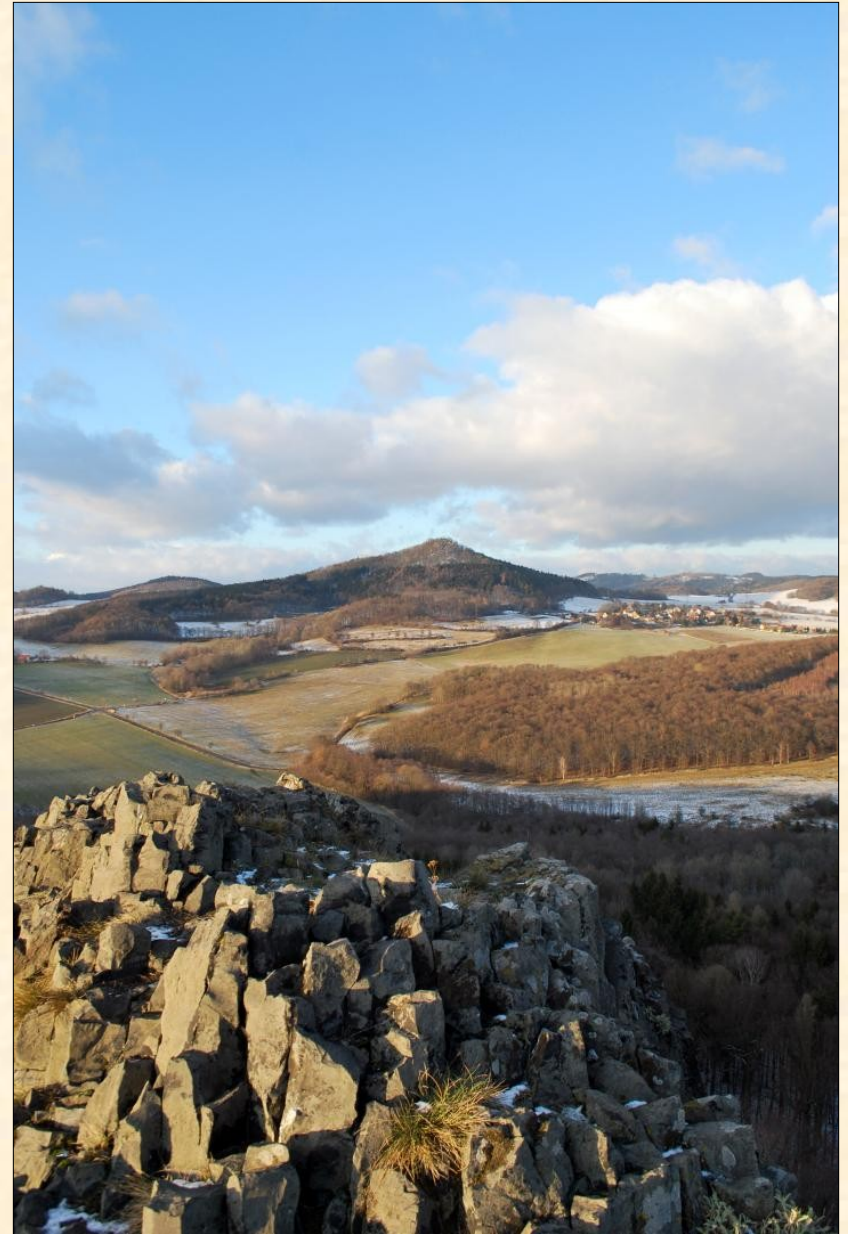
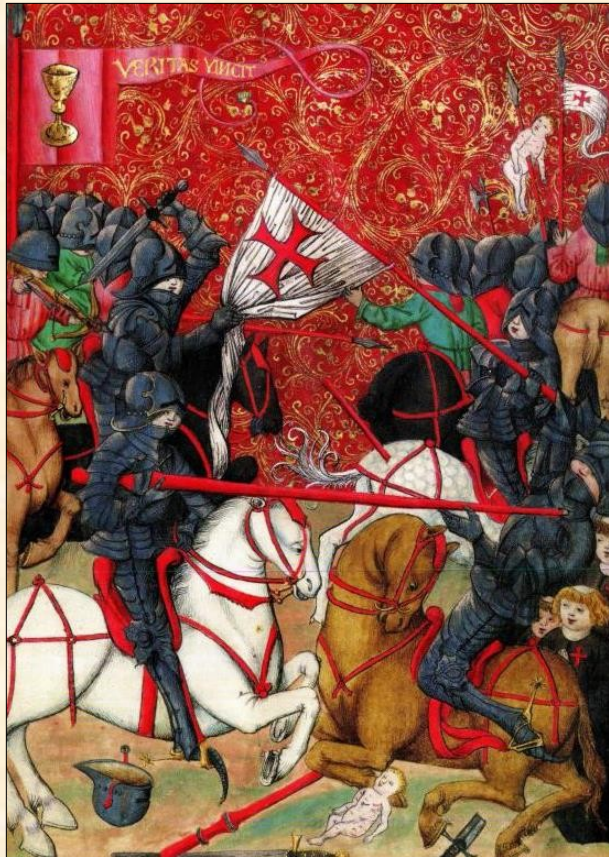




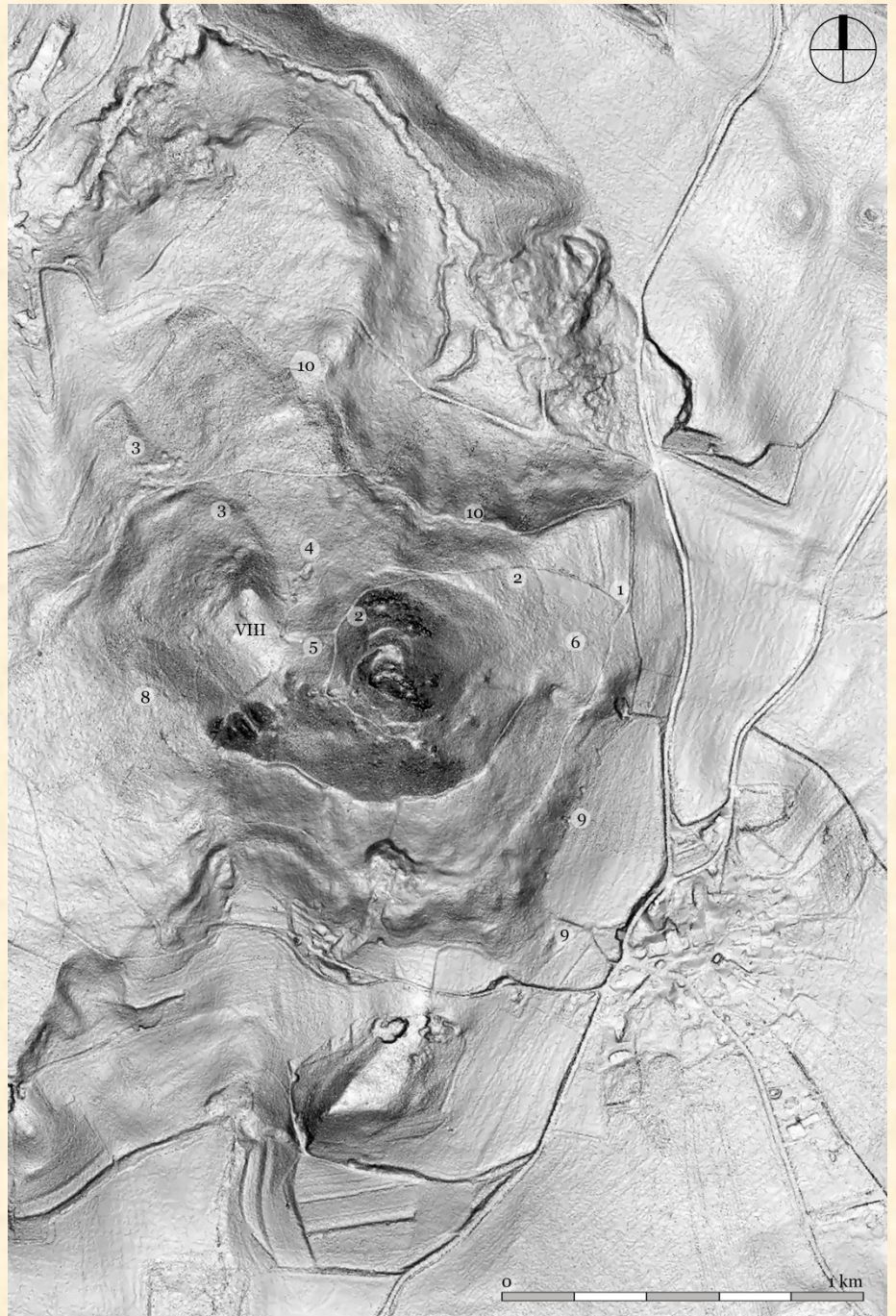
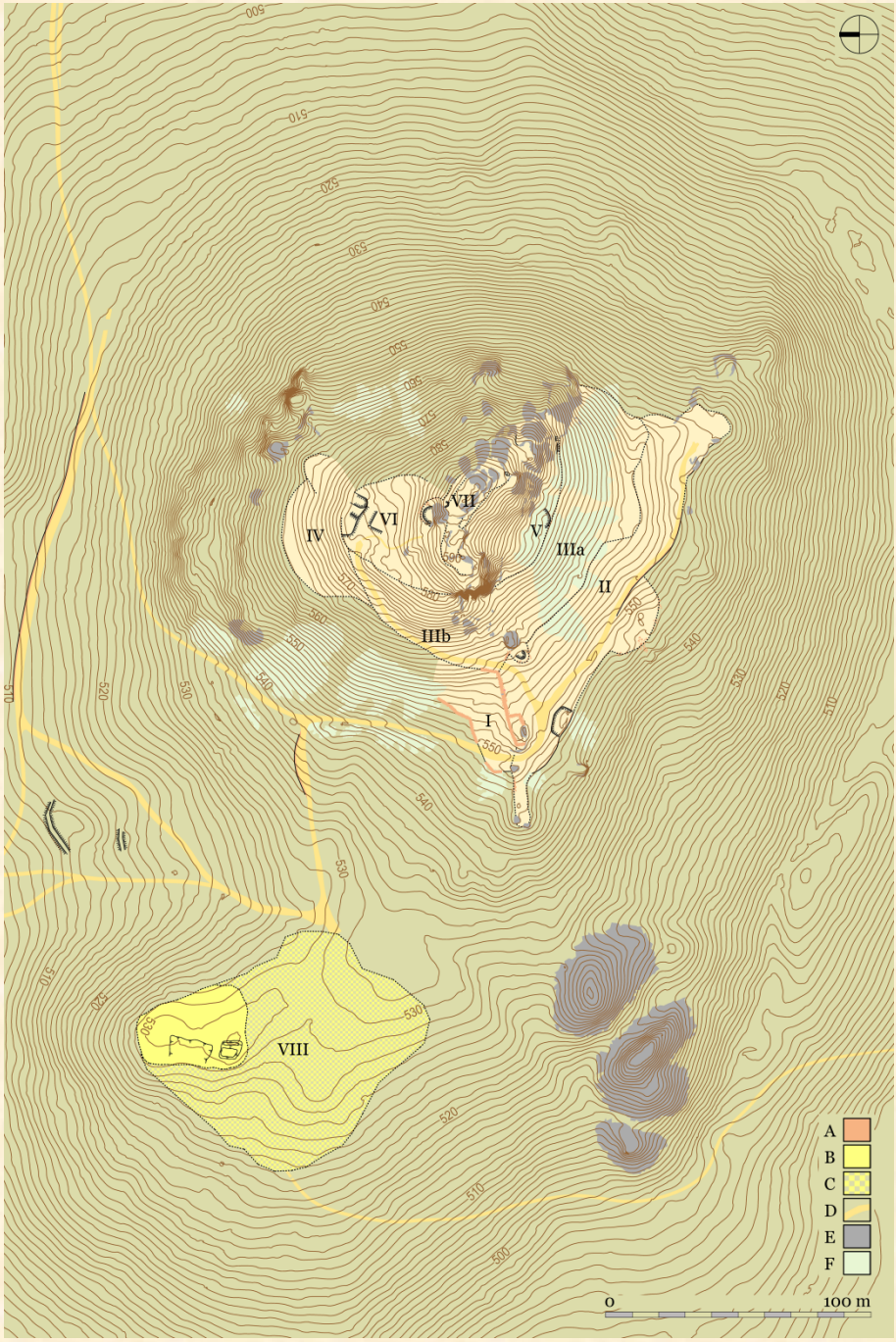
3D model M. Sýkora



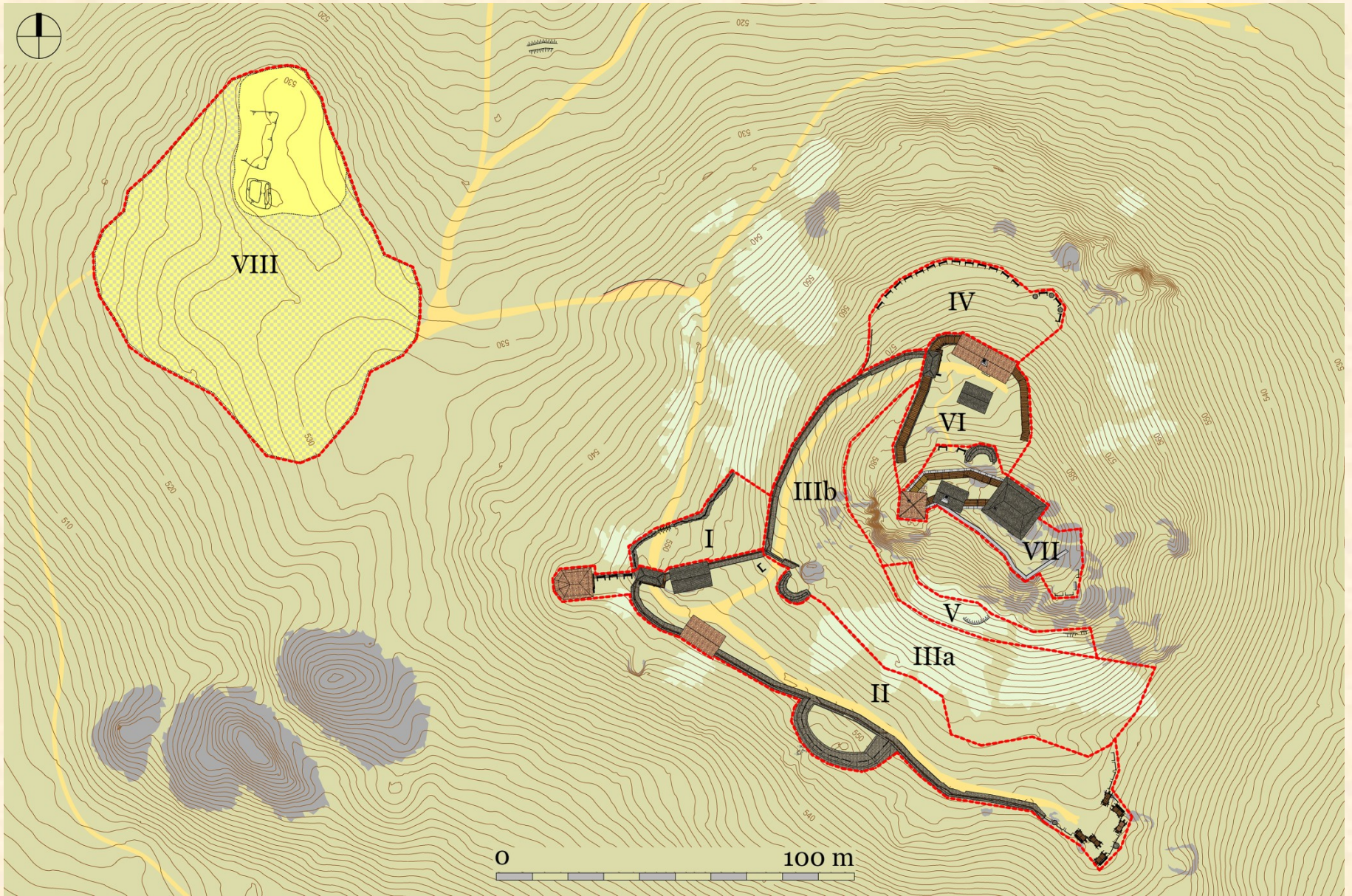
# Panna



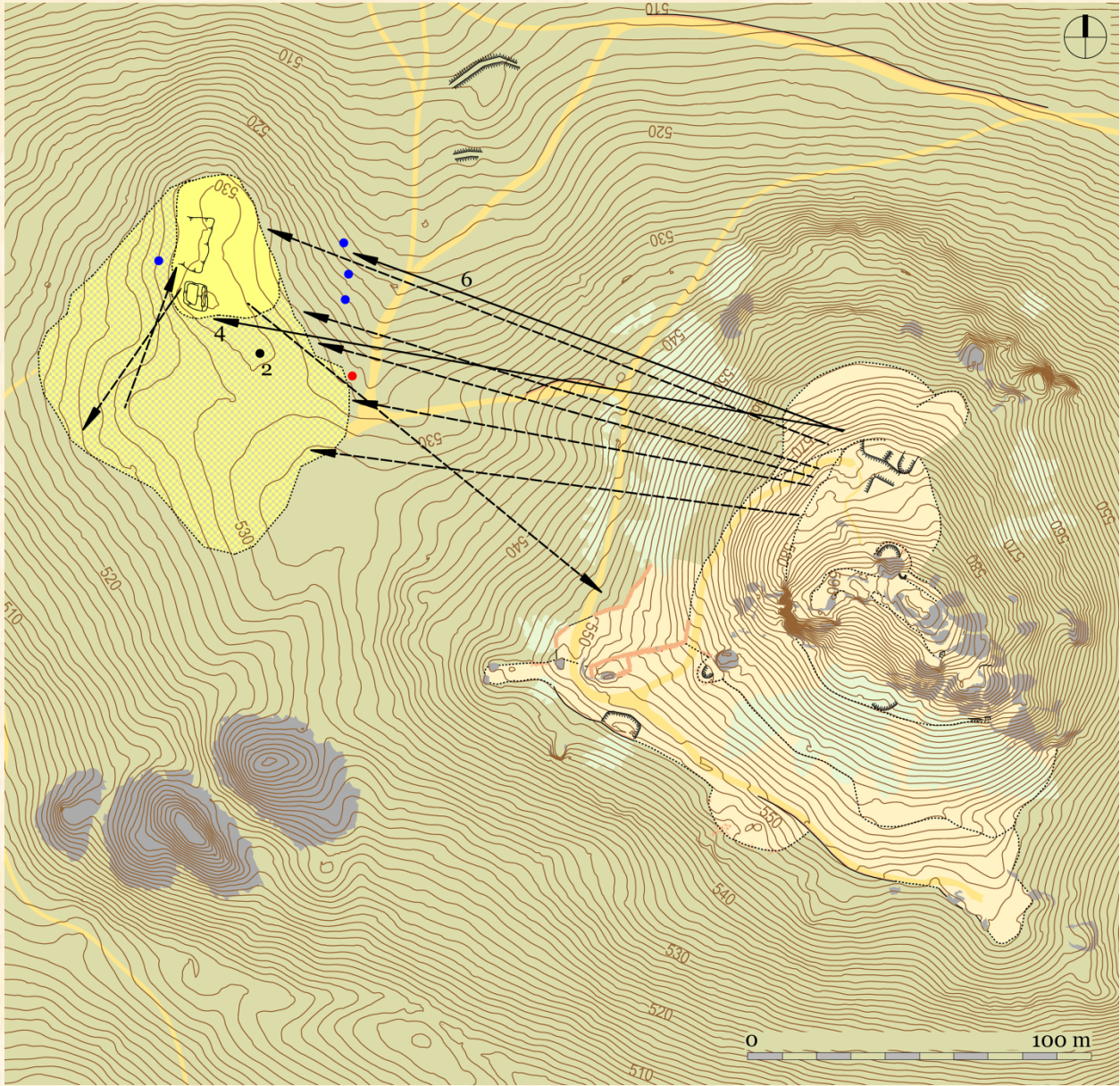
















3D model M. Sýkora

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PhDr. Oldřich Kotyza

Jindřich Langhamer

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Šárka Martinková

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Ing. Jaroslav Pachner

Mgr. Ivan Peřina

Mgr. Jaroslav Skopec

Jiří Šály

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Ing. Hynek Veselý

Ing. Jiří Vidman



Děkuji Vám za pozornost

