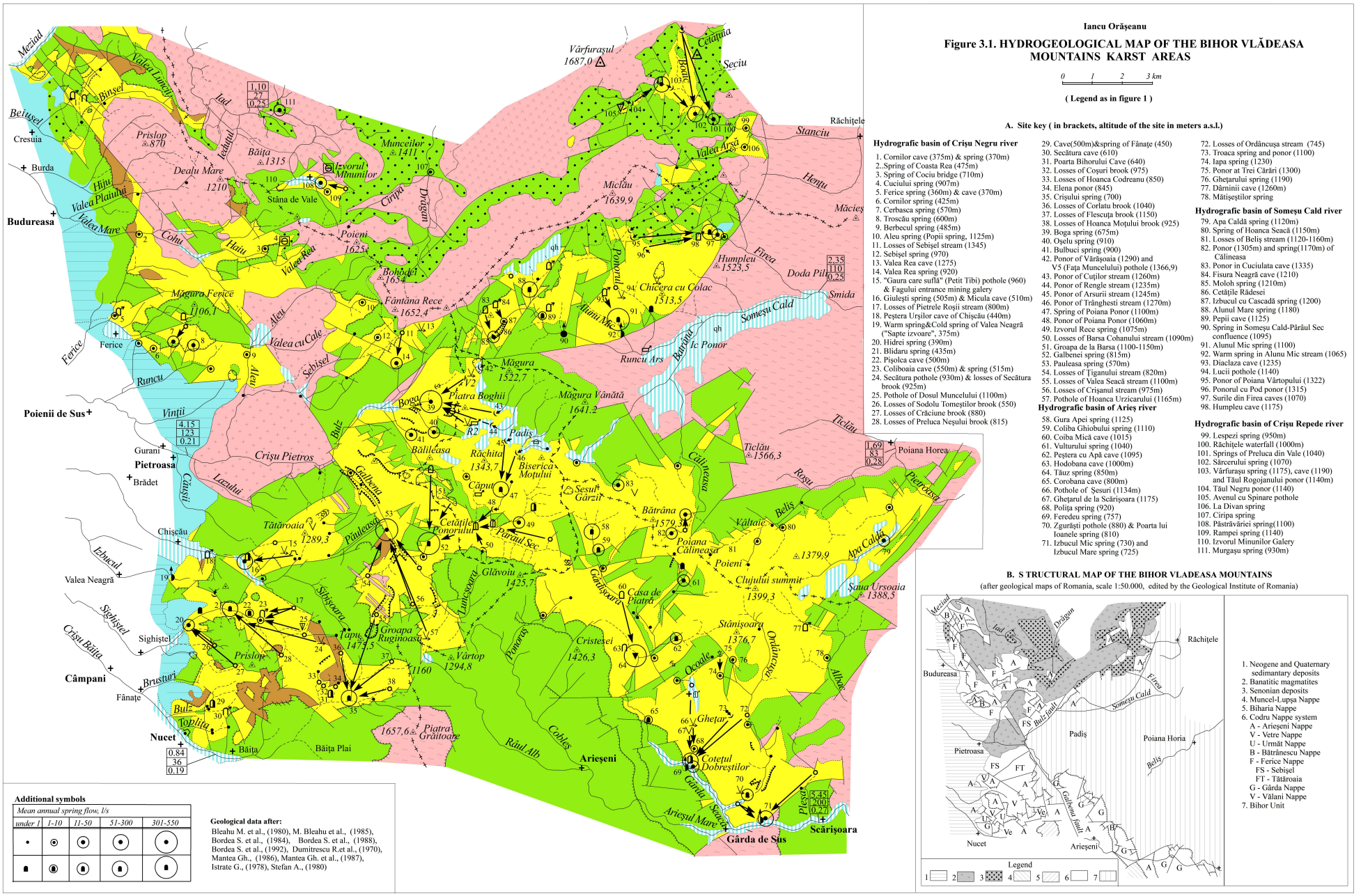


Additional symbols

Mean annual spring flow, l/s				
under 1	1-10	11-50	51-300	301-550
•	⊙	⊙	⊙	⊙
▪	▪	▪	▪	▪

Geological data after:

Bleahu M. et al., (1980), M. Bleahu et al., (1985), Bordea S. et al., (1984), Bordea S. et al., (1988), Bordea S. et al., (1992), Dumitrescu R.et al., (1970), Mantea Gh., (1986), Mantea Gh. et al., (1987), Istrate G., (1978), Stefan A., (1980)

Iancu Orășeanu

Figure 3.1. HYDROGEOLOGICAL MAP OF THE BIHOR VLĂDEASA MOUNTAINS KARST AREAS

0 1 2 3 km

(Legend as in figure 1)

A. Site key (in brackets, altitude of the site in meters a.s.l.)

Hydrografic basin of Crișu Negru river

1. Cornilor cave (375m) & spring (370m)
2. Spring of Coasta Rea (475m)
3. Spring of Cociu bridge (710m)
4. Cuciulsi spring (907m)
5. Ferice spring (360m) & cave (370m)
6. Cornilor spring (425m)
7. Cerbasca spring (570m)
8. Troscău spring (600m)
9. Berbecul spring (485m)
10. Aleu spring (Popii spring, 1125m)
11. Losses of Sebișel stream (1345)
12. Sebișel spring (970)
13. Valea Rea cave (1275)
14. Valea Rea spring (920)
15. "Gaura care suflă" (Petit Tibi) pothole (960) & Fagului entrance mining galery
16. Giulești spring (505m) & Micula cave (510m)
17. Losses of Pietrele Roșii stream (800m)
18. Peștera Urșilor cave of Chișcău (440m)
19. Warm spring&Cold spring of Valea Neagră ("Sapte izvoare", 375m)
20. Hidrei spring (390m)
21. Blidaru spring (435m)
22. Pișolea cave (500m)
23. Coliboaia cave (550m) & spring (515m)
24. Secătura pothole (930m) & losses of Secătura brook (925m)
25. Pothole of Dosul Munceluiui (1100m)
26. Losses of Sodolu Tomeștilor brook (550)
27. Losses of Crăciune brook (880)
28. Losses of Preluca Nesului brook (815)
29. Cave(500m)&spring of Fânațe (450)
30. Secătura cave (610)
31. Poarta Bihorului Cave (640)
32. Losses of Coșuri brook (975)
33. Losses of Hoanca Codreanu (850)
34. Elena ponor (845)
35. Crișului spring (700)
36. Losses of Corlatu brook (1040)
37. Losses of Flescuța brook (1150)
38. Losses of Hoanca Moțului brook (925)
39. Boga spring (675m)
40. Oșelu spring (910)
41. Bulbuci spring (900)
42. Ponor of Vărășoaia (1290) and V5 (Fața Muncelului) pothole (1366,9)
43. Ponor of Cuților stream (1260m)
44. Ponor of Rengle stream (1235m)
45. Ponor of Arsurii stream (1245m)
46. Ponor of Trânghesti stream (1270m)
47. Spring of Poiana Ponor (1100m)
48. Ponor of Poiana Ponor (1060m)
49. Izvorul Rece spring (1075m)
50. Losses of Barsa Cohanului stream (1090m)
51. Groapa de la Barsa (1100-1150m)
52. Galbenei spring (815m)
53. Pauleasa spring (570m)
54. Losses of Țiganului stream (820m)
55. Losses of Valea Seacă stream (1100m)
56. Losses of Crișanul stream (975m)
57. Pothole of Hoanca Urzicarului (1165m)

Hydrografic basin of Arieș river

58. Gura Apei spring (1125)
59. Coliba Ghiobului spring (1110)
60. Coiba Mică cave (1015)
61. Vulturului spring (1040)
62. Peștera cu Apă cave (1095)
63. Hodobana cave (1000m)
64. Tăuz spring (850m)
65. Corobana cave (800m)
66. Pothole of Șesuri (1134m)
67. Ghețarul de la Scărișoara (1175)
68. Poliță spring (920)
69. Feredeu spring (757)
70. Zgurăști pothole (880) & Poarta lui Ioanele spring (810)
71. Izbucul Mic spring (730) and Izbucul Mare spring (725)
72. Losses of Ordâncușa stream (745)
73. Troaca spring and ponor (1100)
74. Iapa spring (1230)
75. Ponor at Trei Cărări (1300)
76. Ghețarului spring (1190)
77. Dârninii cave (1260m)
78. Mătișeștilor spring

Hydrografic basin of Someșu Cald river

79. Apa Caldă spring (1120m)
80. Spring of Hoanca Seacă (1150m)
81. Losses of Belis stream (1120-1160m)
82. Ponor (1305m) and spring(1170m) of Călineasa
83. Ponor in Cuciulata cave (1335)
84. Fisura Neagră cave (1210)
85. Moloh spring (1210m)
86. Cetățile Rădesei
87. Izbucul cu Cascadă spring (1200)
88. Alunul Mare spring (1180)
89. Pepii cave (1125)
90. Spring in Someșu Cald-Pârâul Sec confluence (1095)
91. Alunul Mic spring (1100)
92. Warm spring in Alunu Mic stream (1065)
93. Diaclaza cave (1235)
94. Lucii pothole (1140)
95. Ponor of Poiana Vârtopului (1322)
96. Ponorul cu Pod ponor (1315)
97. Surile din Firea caves (1070)
98. Humpleu cave (1175)

Hydrografic basin of Crișu Repede river

99. Lespezi spring (950m)
100. Răchițele waterfall (1000m)
101. Springs of Preluca din Vale (1040)
102. Sârcerului spring (1070)
103. Vârfurașu spring (1175), cave (1190) and Tăul Rogojanului ponor (1140m)
104. Tăul Negru ponor (1140)
105. Avenul cu Spinare pothole
106. La Divan spring
107. Ciripa spring
108. Pârstrăvăriei spring(1100)
109. Rampei spring (1140)
110. Izvorul Minunilor Galery
111. Murgașu spring (930m)

B. S TRUCTURAL MAP OF THE BIHOR VLADEASA MOUNTAINS

(after geological maps of Romania, scale 1:50.000, edited by the Geological Institute of Romania)

1. Neogene and Quaternary sedimantary deposits
2. Banatitic magmatites
3. Senonian deposits
4. Muncel-Lupșa Nappe
5. Biharia Nappe
6. Codru Nappe system
   - A - Arieșeni Nappe
   - V - Vetre Nappe
   - U - Următ Nappe
   - B - Bătrânescu Nappe
   - F - Ferice Nappe
     - FS - Sebișel
     - FT - Tătăroaia
   - G - Gârda Nappe
   - V - Vălani Nappe
7. Bihor Unit