

SUPPLEMENTARY MATERIAL

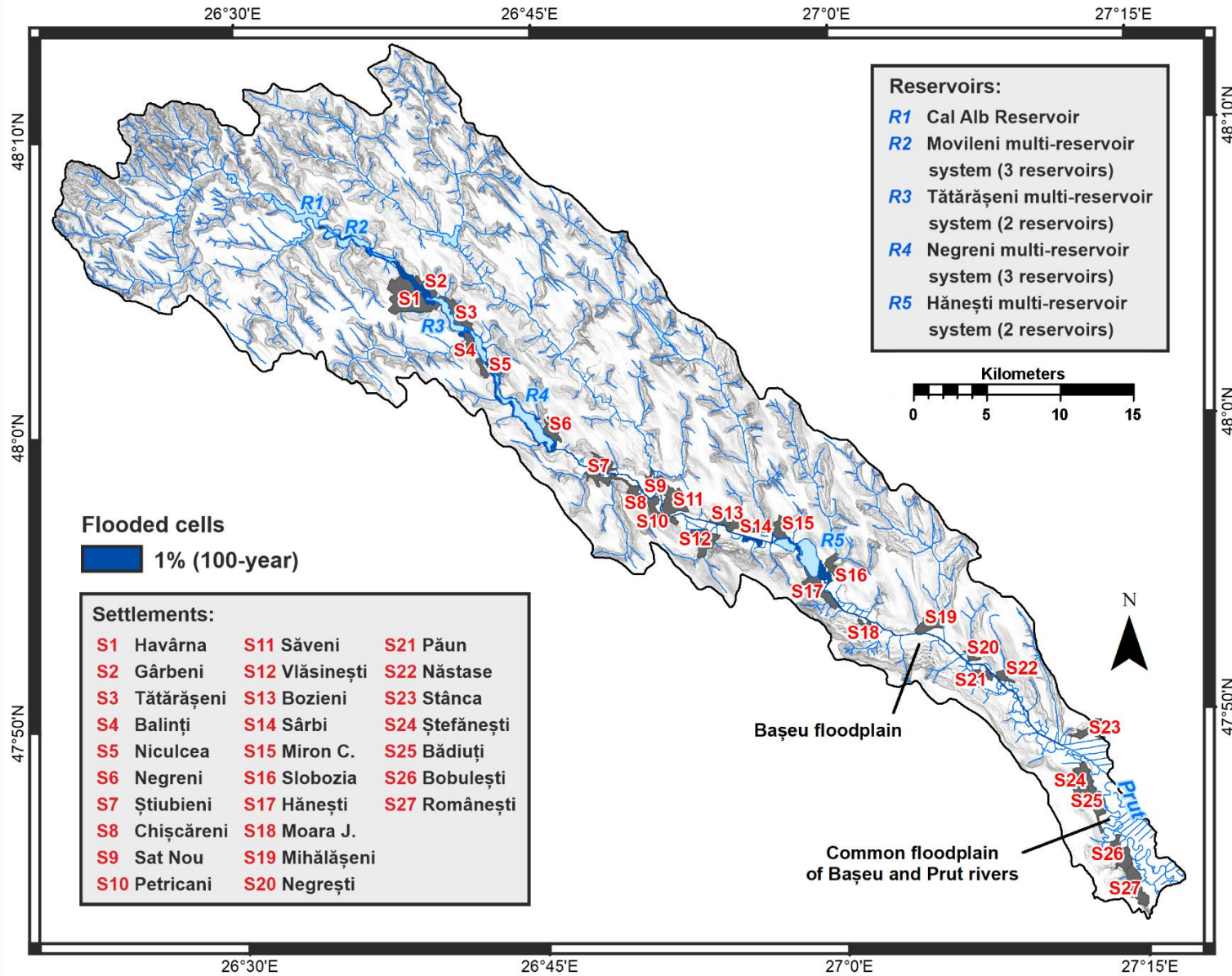


Figure S1 Flood extent within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 1% (100-year) recurrence intervals

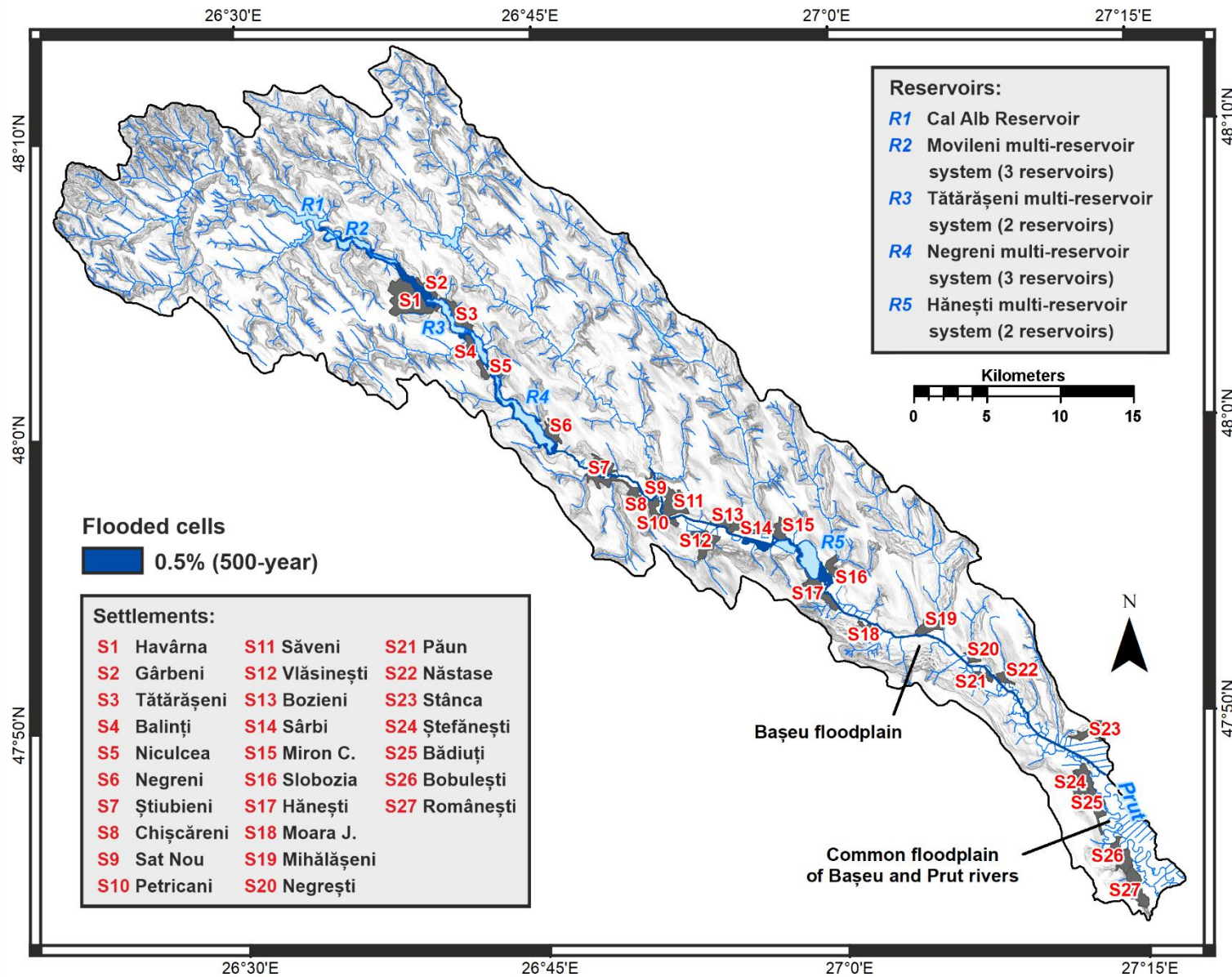


Figure S2 Flood extent within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 0.5% (500-year) recurrence intervals

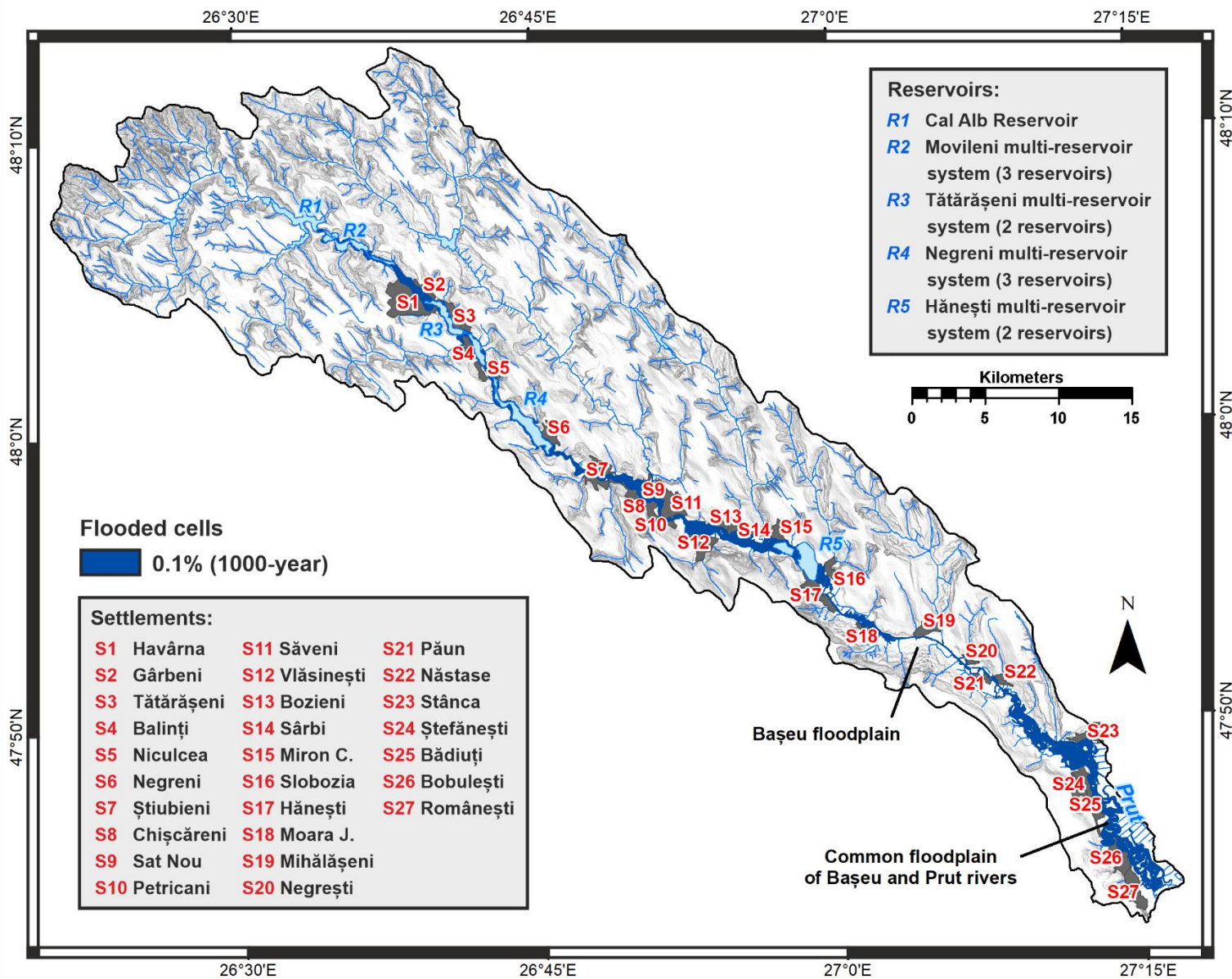


Figure S3 Flood extent within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 0.1% (1000-year) recurrence intervals

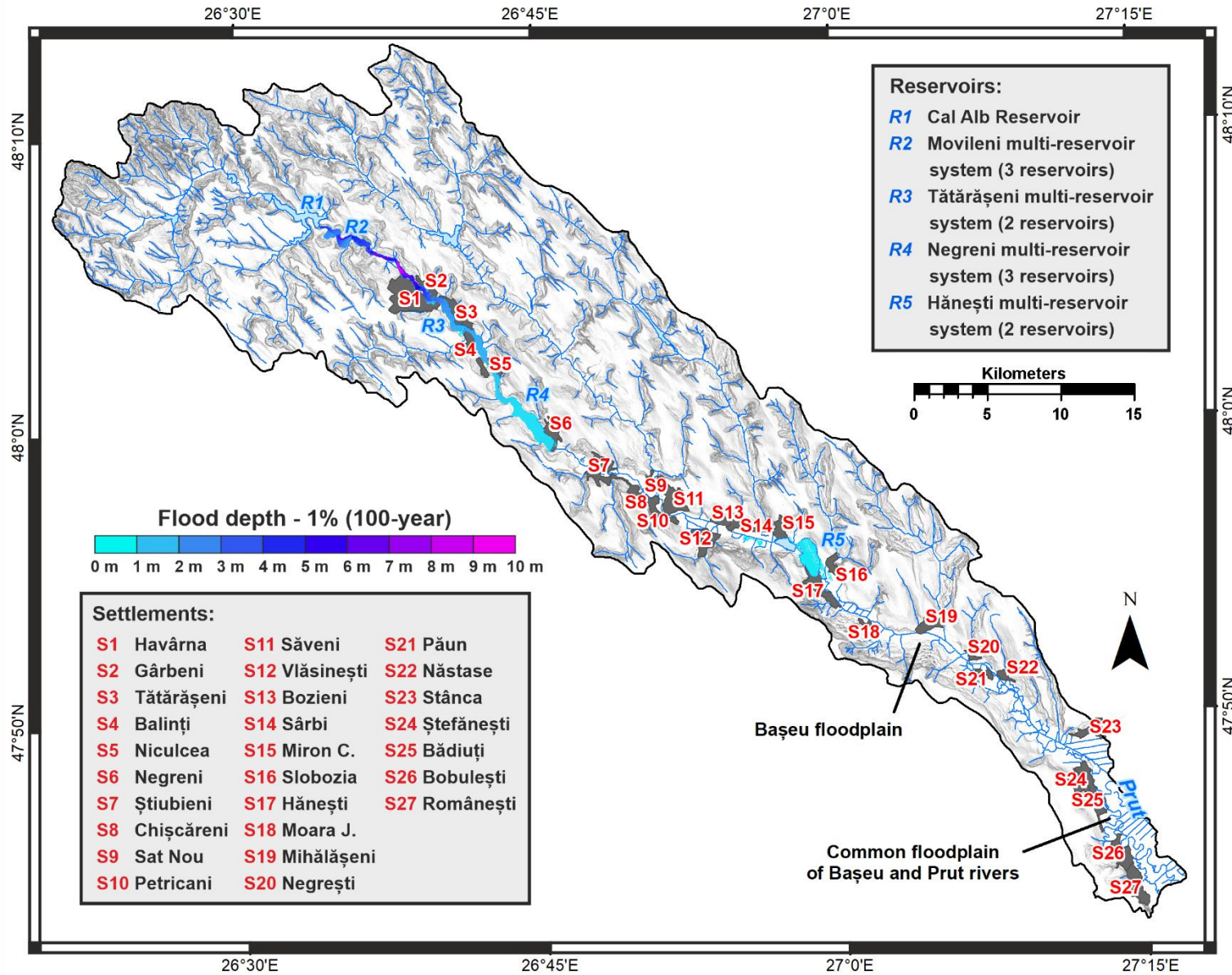


Figure S4 Flood depth (m) within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 1% (100-year) recurrence intervals

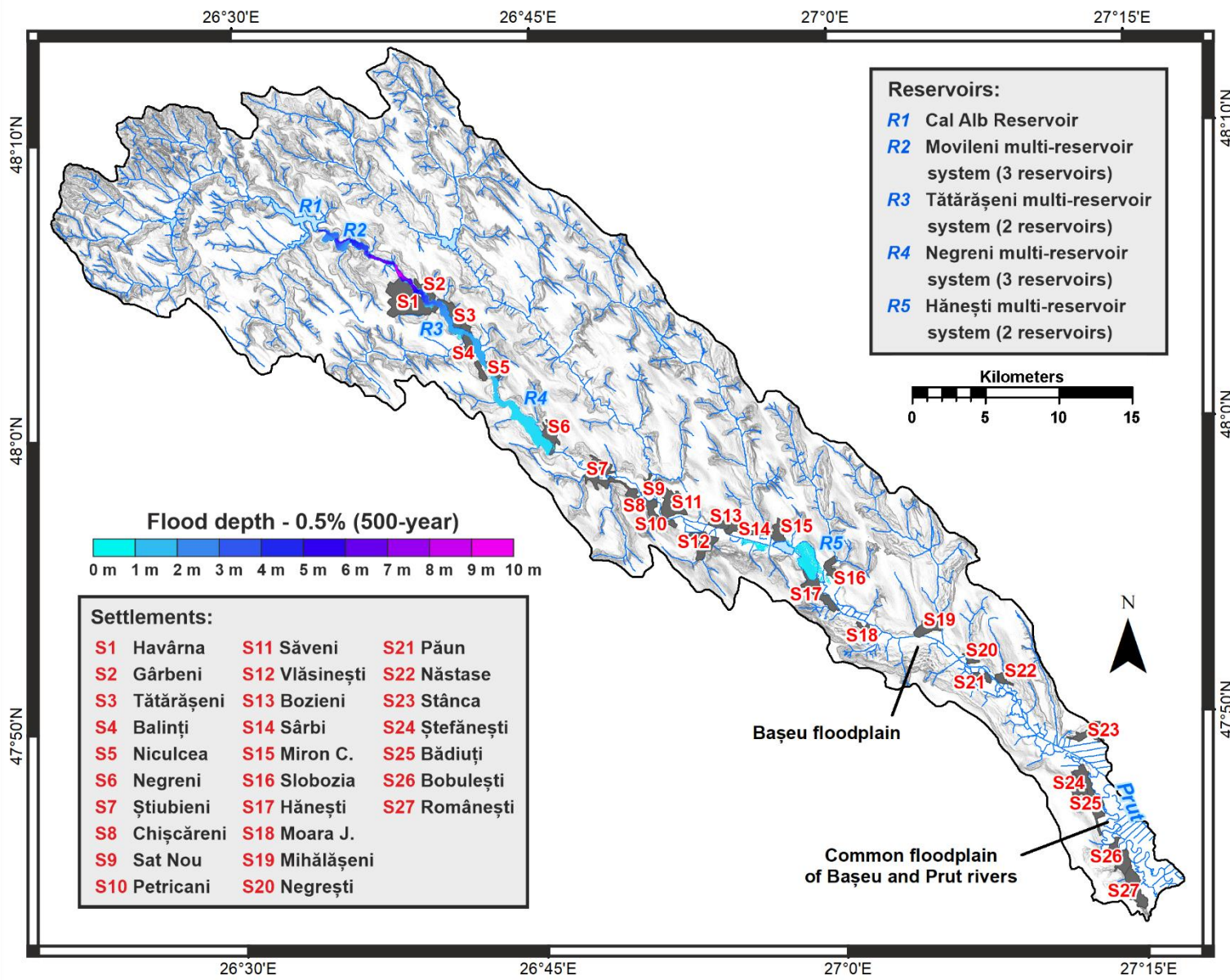


Figure S5 Flood depth (m) within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 0.5% (500-year) recurrence intervals

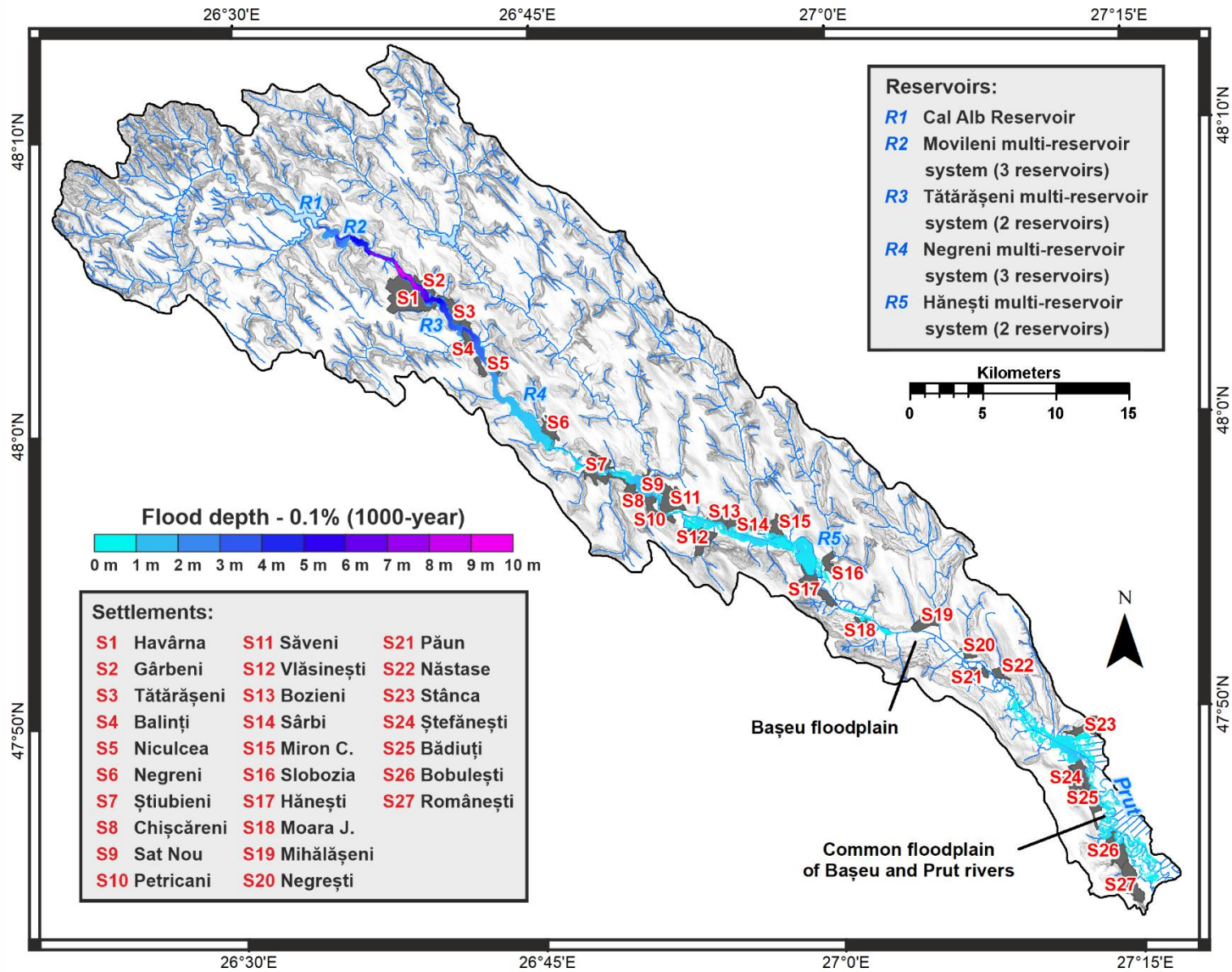


Figure S6 Flood depth (m) within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 0.1% (1000-year) recurrence intervals

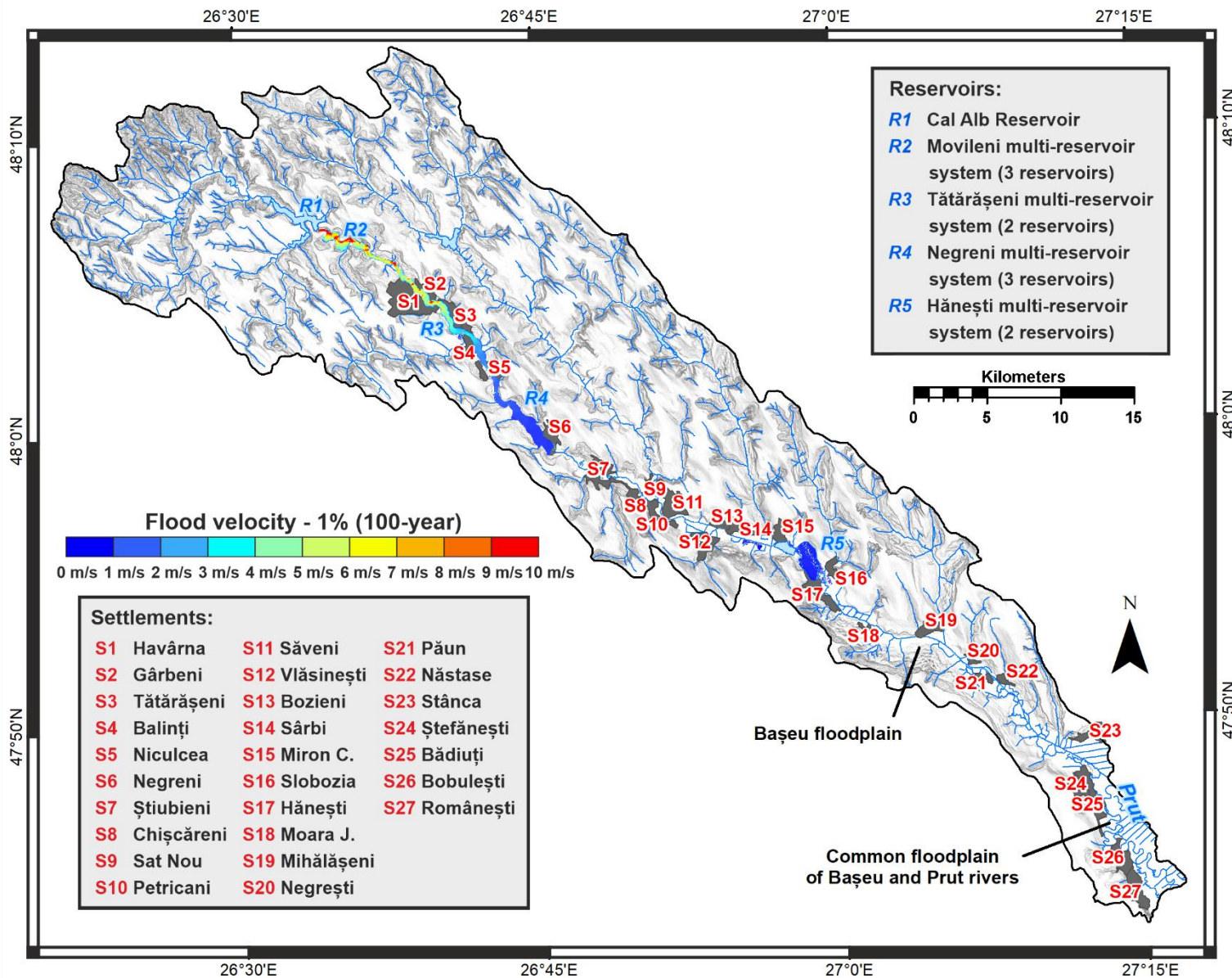


Figure S7 Flood velocity (m/s) within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for the dam break scenarios with 1% (100-year) recurrence intervals

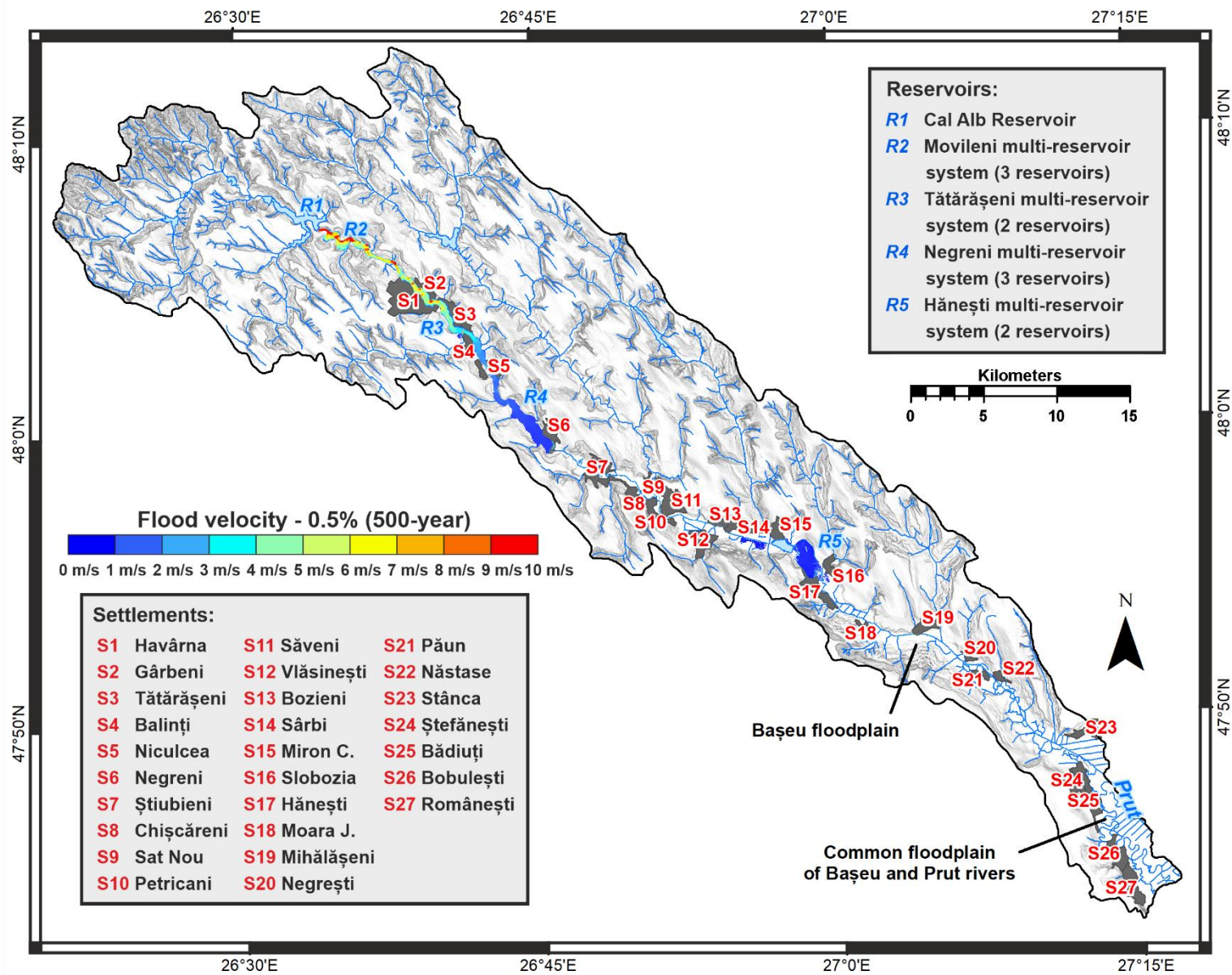


Figure S8 Flood velocity (m/s) within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for the dam break scenarios with 0.5% (500-year) recurrence intervals

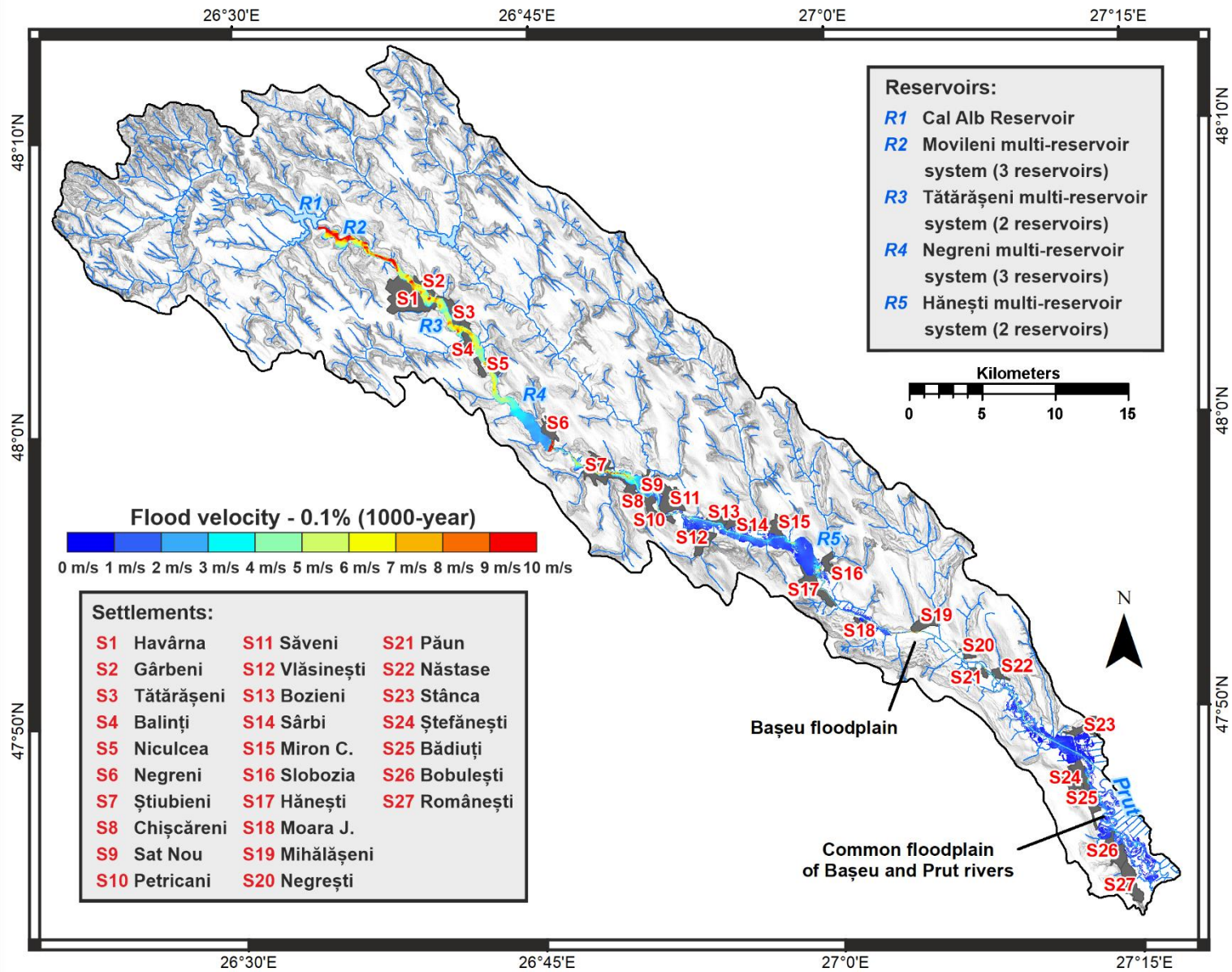


Figure S9 Flood velocity (m/s) within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for the dam break scenarios with 0.1% (1000-year) recurrence intervals

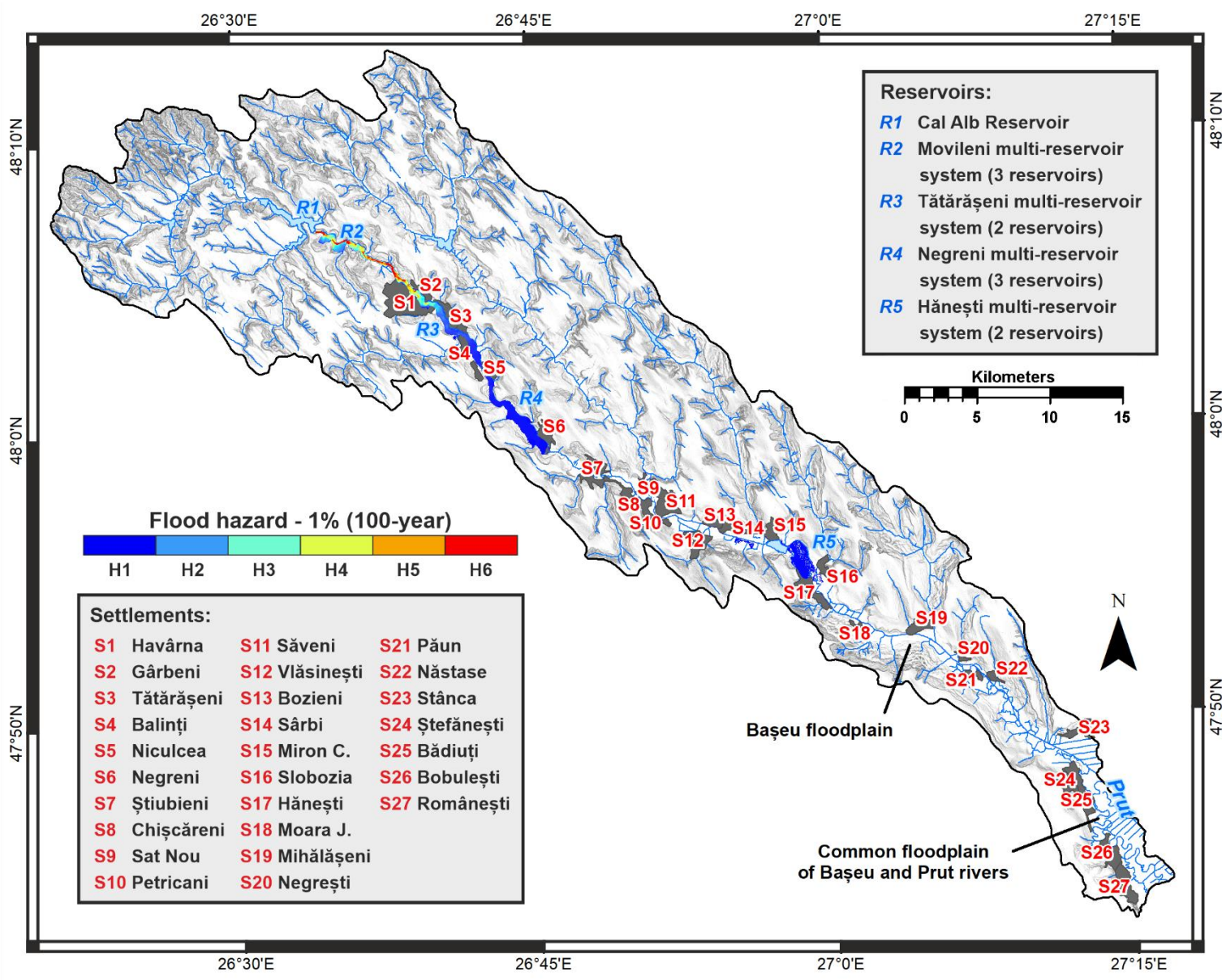


Figure S10 D*V (m²/s) hazard classes according to the AIDR criteria [46] within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 1% (100-year) recurrence intervals

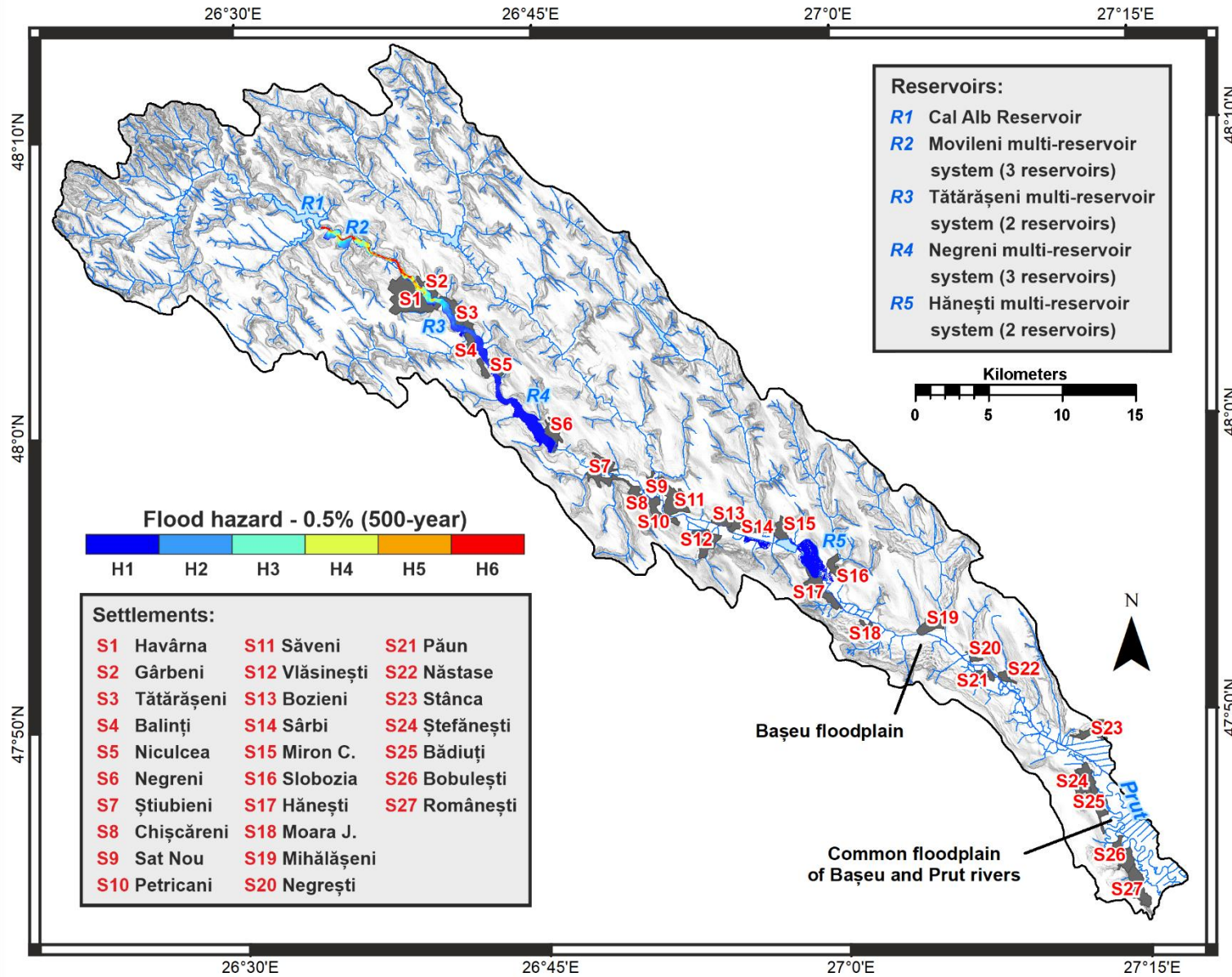


Figure S11 D^*V (m^2/s) hazard classes according to the AIDR criteria [46] within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 0.5% (500-year) recurrence intervals

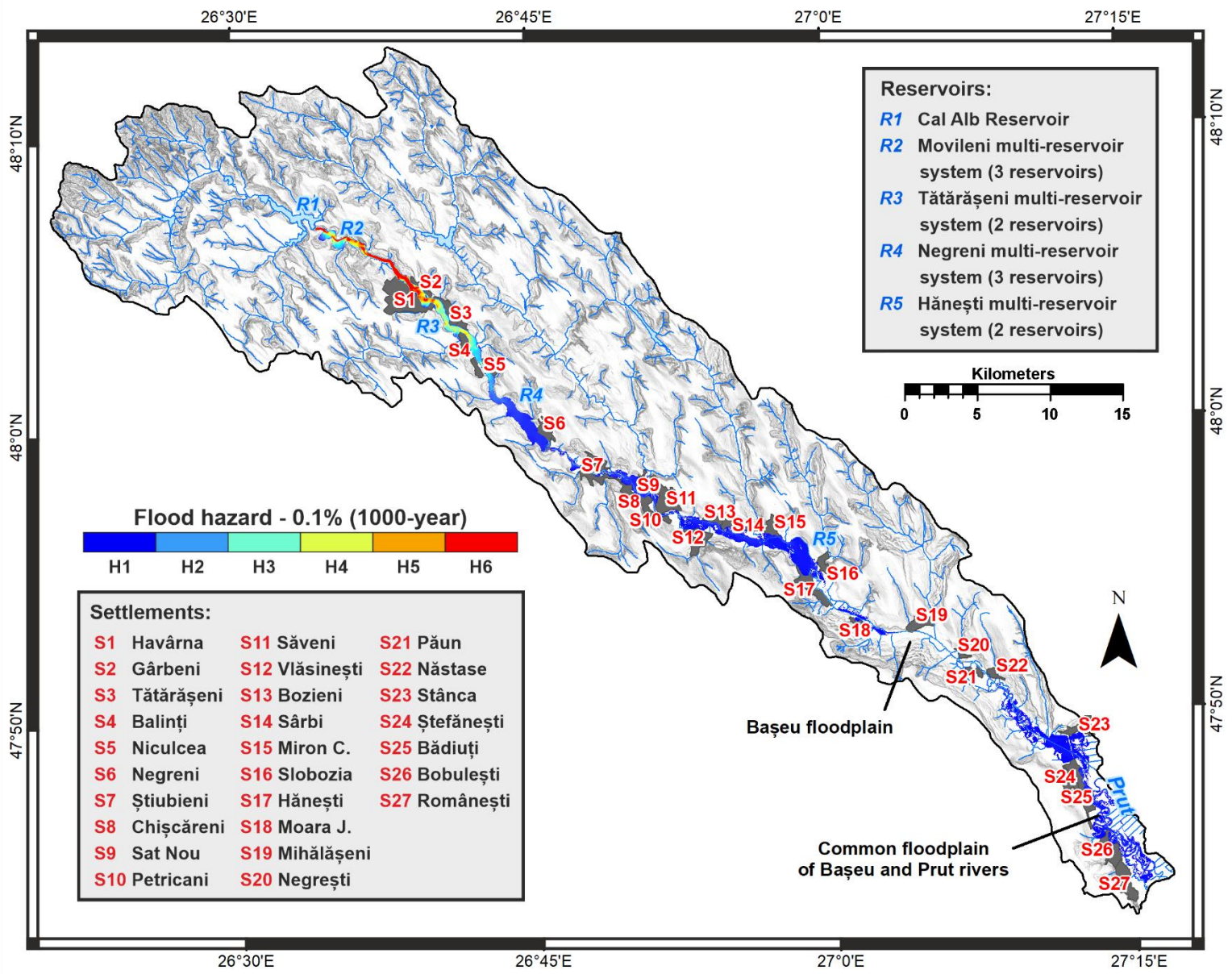


Figure S12 D*V (m²/s) hazard classes according to the AIDR criteria [46] within built-up area of 27 settlements located downstream of the Cal Alb reservoir computed for dam break scenarios with 0.1% (1000-year) recurrence intervals