Supplement of

Spatial controls on groundwater response dynamics in a snowmelt-dominated montane catchment

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Supplementary Figures
a. Annual period

b. Melt period

c. First response

d. Maximum response

Response duration
- No response
- 0.01 - 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00

Response timing (DOY)
- No response
- 100 - 104
- 104 - 113
- 112 - 123
- 123 - 132
- 132 - 141

Stream
- 5 m elevation contour
- Catchment boundary
- Harvested area

Meters 1000
Figure S1. Maps of groundwater response duration (as a fractional portion of the total duration of the period) at the hillslope sites for the annual and melt periods (a) and groundwater response timing (day of the year, DOY) at the hillslope sites for the first and maximum responses (b). The timing of each period is indicated section 2.3.3.2 and Fig. 2.
a. Period 1 - fall transition
b. Period 2 - winter low flow
c. Period 3 - early-melt transition
d. Period 4 - rising limb

Response duration:
- No response
- 0.01 - 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00

Legend:
- Stream
- 5 m elevation contour
- Catchment boundary
- Harvested area

Scale:
0 - 1500 Meters
Figure S2. Previous two pages. Maps of groundwater response duration (as a fractional portion of the total duration of the period) at the hillslope sites for periods 1 to 8. The timing of each period is indicated section 2.3.3.2 and Fig. 2.