

Sample name	Location	Model output			
		f fraction Mg remaining in water if a = 0.9973	Molar Mg/Ca in calcite	Mg flux into calcite mol/km ² /yr	Calcite precipitation rate t/km ² /yr
<i>2012</i>					
<i>Vatnajökull</i>					
E5	Skaftafellsá river	0.87	0.0013	4620	15.4
E8	snout of Skafta Glacier	0.87	0.0036		
E10	Svinafellsá river	0.88	0.0013		
E11	Nupsuoyn (Núpsvötn)	0.92	0.0022		
E12	Kolgrima river	0.87	0.0011		
E13	Kvia river	0.99	0.0002		
<i>Langjökull</i>					
A8	Hvítá river at Kláfoss	1.00	0.0002	4.7	0.016
A14	Upper Hvítá river	0.95	0.0015		
<i>Groundwater</i>					
G1	Hraunfossar groundwater	0.87	0.0047		
Laug1	Spring N of Laugarvatn	0.20	0.0982		
<i>PvS 2008</i>					
<i>Langjökull</i>					
A8	Hvítá river at Kláfoss	0.75	0.0049	400	1.3
A10	Tributary to Hvítá - water from Ok	0.95	0.0010		
A12	Hvítá river	0.61	0.0095		
A13	Norðlingaflljót river	0.79	0.0057		
A16	Top of Grimsá river	0.70	0.0062		
G2	Hvítá river below Hraunfossar	0.72	0.0059		
<i>Vatnajökull</i>					
E1	Skeiðará river	0.48	0.0084	5650	18.8
E3	Fjallsárlón	0.86	0.0005		
E4	Virkisá river	0.88	0.0022		
E5	Skaftafellsá river	0.83	0.0009	12600	42.1
E6	Sandgígjukvísl river	0.50	0.0098		
<i>Groundwater</i>					
G1	Hraunfossar groundwater	0.71	0.0053		

Table 2. Model outputs for the samples (see text for model details).

This work is licensed under a Creative Commons Attribution 4.0 International License