

Group	Attribute	Attribute ID	Signature	Limits of acceptability	
Ice melt	Seasonal ice melt on tongue	Seasonal melt	2013 summer ice melt 2012–2013 winter ice melt	5.22–6.44 m we 0.64–0.78 m we	
	Long-term glacier volume change	Melt volume	Change in ice volume (1988–2011)	–0.36–0.28 km <sup>3</sup>	
Snow coverage	Snow coverage in lower catchment	Low snow	Mean snow coverage in spring	0.32–0.45	
			Mean snow coverage in early summer	0.02–0.08	
			Mean snow coverage in late summer	0.00–0.03	
Snow coverage	Snow coverage in the middle catchment	Middle snow	Mean snow coverage in spring	0.70–0.80	
			Mean snow coverage in early summer	0.17–0.27	
			Mean snow coverage in late summer	0.00–0.04	
Snow coverage	Snow coverage in the upper catchment	Upper snow	Mean snow coverage in spring	0.81–0.90	
			Mean snow coverage in early summer	0.51–0.64	
			Mean snow coverage in late summer	0.02–0.09	
River discharge	Mean monthly river flow	Monthly flow	Mean January river flow	1.16–1.86 m <sup>3</sup> s <sup>–1</sup>	
			Mean February river flow	1.69–2.92 m <sup>3</sup> s <sup>–1</sup>	
			Mean March river flow	0.85–1.58 m <sup>3</sup> s <sup>–1</sup>	
			Mean April river flow	0.73–1.48 m <sup>3</sup> s <sup>–1</sup>	
			Mean May river flow	1.50–2.16 m <sup>3</sup> s <sup>–1</sup>	
			Mean June river flow	4.12–6.23 m <sup>3</sup> s <sup>–1</sup>	
			Mean July river flow	6.33–10.30 m <sup>3</sup> s <sup>–1</sup>	
			Mean August river flow	5.72–9.15 m <sup>3</sup> s <sup>–1</sup>	
			Mean September river flow	4.55–7.38 m <sup>3</sup> s <sup>–1</sup>	
			Mean October river flow	3.88–7.02 m <sup>3</sup> s <sup>–1</sup>	
			Mean November river flow	3.90–7.40 m <sup>3</sup> s <sup>–1</sup>	
			Volume under highest-flow section of FDC Slope of highest-flow section of FDC Volume under high-flow section of FDC Slope of high-flow section of FDC	59.4–116.0 m <sup>3</sup> s <sup>–1</sup> * 2.67–9.88 m <sup>3</sup> s <sup>–1</sup> * 70.6–111.0 m <sup>3</sup> s <sup>–1</sup> * 0.38–0.79 m <sup>3</sup> s <sup>–1</sup> *	
Quick release high flows	High flows				
Slow release low flows	Low flows		Volume under low-flow section of FDC Slope of low-flow section of FDC	20.9–46.1 m <sup>3</sup> s <sup>–1</sup> * 0.03–0.05 m <sup>3</sup> s <sup>–1</sup> *	
Flow variability		Flow variance	Coefficient of variation	0.95–1.83	
Melt run-off timing		Melt timing	Peak summer flow hour	17:00–18:00	
Flashiness	Flow flash		Integral scale	25–44 h	
			Rising limb density	0.13–0.20	