

Core	Parameters	Sampling	Effective resolution (cm)
KCC	Meltwater conductivity, $\text{NH}_4^+$ , $\text{NO}_3^-$ , $\text{Na}^+$	Continuous flow	> 0.5
	Insoluble particles, $\text{Ca}^{2+}$	Continuous flow	> 0.5
	Stable water isotopes ( $\delta^{18}\text{O}$ and $\delta D$ )	Continuous flow	> 0.5
	Electric conductivity	ECM	> 0.5
	$^{44}\text{Ca}$	Laser ablation ICP-MS	120 $\mu\text{m}$
KCI	Meltwater conductivity, insoluble particles	Continuous flow	> 0.7
	Stable water isotopes ( $\delta^{18}\text{O}$ or $\delta D$ )	Discrete sampling	10–1.5