

	Land cover	Snow model	Calibration		Validation		Overall			
			Site	RMSE (cm)	NSE	RMSE (cm)	NSE	RMSE (cm)	NSE	
Snow depth	R3	Pasture	TI	6.6	0.91	12.1	0.89	10.6	0.89	
			RTI	8.4	0.86	11.9	0.89	10.9	0.89	
	R25	Deciduous forest	TI	13	0.61	9.4	0.93	10.7	0.88	
			RTI	12.2	0.65	9.2	0.93	10.3	0.89	
	FS4	Deciduous forest	TI	18.1	0.3	17	0.57	17.7	0.51	
			RTI	9.4	0.81	15.4	0.64	12.1	0.77	
	FS11	Evergreen forest	TI	18.4	0.54	24.5	0.65	21.6	0.62	
			RTI	15.8	0.66	19.3	0.78	17.6	0.75	
	FS21	Deciduous forest	TI	12.1	0.82	13	0.45	12.3	0.79	
			RTI	18.1	0.59	6.1	0.88	16.4	0.62	
	FS24	Pasture	TI	10.1	0.85	26.2	-1.18	21.3	0.08	
			RTI	10.7	0.83	33.2	-2.51	26.7	-0.44	
	FS30	Pasture	TI	16.1	-0.12	22.6	0.09	20.3	0.06	
			RTI	17	-0.26	24.9	-0.1	22.2	-0.12	
	FS40	Deciduous forest	TI	9.3	0.74	13.1	0.74	11.2	0.78	
			RTI	7.6	0.83	11.1	0.81	9.3	0.85	
	SWE	R3	Pasture	TI	2.1	0.9	3.3	0.91	3	0.91
				RTI	3.6	0.71	3.1	0.92	3.3	0.89
R25		Deciduous forest	TI	5.2	0.29	2.7	0.92	3.7	0.83	
			RTI	5	0.35	3.1	0.91	3.8	0.82	