

	Land cover	Frost depth model	Calibration		Validation		Overall	
Site			RMSE (cm)	NSE	RMSE (cm)	NSE	RMSE (cm)	NSE
FS4	Deciduous forest	CFGF	8.2	-5.0	5.7	NA	7.2	-3.8
		modCFGF	2.5	0.4	0.2	NA	1.9	0.7
		modCFGF no gc	26.5	-62.9	16.0	NA	22.6	-45.9
FS11	Evergreen forest	CFGF	15.5	-1.2	9.9	-1.6	13.1	-0.6
		modCFGF	12.6	-0.5	8.2	-0.8	10.7	-0.1
		modCFGF no gc	17.5	-1.8	10.9	-2.1	14.6	-1.0
FS21	Deciduous forest	CFGF	12.5	-24.2	8.4	NA	11.8	-10.9
		modCFGF	3.9	-1.5	0.0	NA	3.5	-0.1
		modCFGF no gc	26.2	-109.8	14.3	NA	24.3	-49.4
FS24	Pasture	CFGF	17.5	-188.5	7.3	-12.3	12.4	-49.1
		modCFGF	1.4	-0.3	2.3	-0.3	2.0	-0.3
		modCFGF no gc	28.2	-490.0	13.5	-44.3	20.6	-137.4
FS30	Pasture	CFGF	27.5	-5.8	6.2	-2.4	17.7	0.2
		modCFGF	11.7	-0.2	24.9	-55.0	20.9	-0.1
		modCFGF no gc	18.1	-2.0	11.4	-10.8	14.4	0.5
FS40	Deciduous forest	CFGF	14.2	-22.6	10.1	-1642	12.6	-20.9
		modCFGF	3.4	-0.3	1.8	-52.1	2.8	-0.1
		modCFGF no gc	36.9	-157.9	21.8	-7631	31.2	-133.1