

Table 1. Model parameter values varied in the GLUE method. Best estimates from parameters based on NCSS soils data are mean values for silty loams in interior Alaska.

Variable	Units	Range	Best prior estimate	Source
$K_{\text{sat}}$	cm/hr	0.2-100	2.7	NCSS soils data; Blain & Milly, 1991; Chappell et al., 1998; Grayson et al., 1992
$\alpha$	$\text{m}^{-1}$	0.07-5.1	0.65	NCSS soils data
$\theta_{\text{res}}$	-	0.02-0.11	0.06	NCSS soils data
Soil temperature lower boundary condition	$^{\circ}\text{C}$	0.0-1.8	0.0	GIPL