

Table 1. Demographic estimates used for testing competing models of grayling response to winter habitat, spawning habitat, non-native predation, and spring hydrology.				
Average survival rate (maximum survival rate)				
size range in mm; age range				
time period applicable to survival rate				
Species	γ_{t-2}	δ_{t-2}	ε_{t-1}	θ_t
Arctic grayling ^{1,2,3}	0.014 (0.035) 15-100; 0-90 d 90 days	0.25 (0.48) 100-150; 90 d -1 y .75 year	0.44 (0.68) 153-211; 1-2 y 1 year	0.74 (0.87) 263-340; 2-3 y 1 year
Bull trout ⁴	--	0.23 (0.38) 121-170; 2 y 1 year	--	--
Chinook salmon ⁵	--	0.16 (0.48) 61-115; 90 d- 1.2 y 0.95 year	--	--
Bull trout ⁶	--	0.09 (0.60) 121-170; 2y 1 year	0.45 (0.85) 171-220; 3y 1 year	--
Brown trout ⁷	--	0.26 (0.47) 120-175; 0.5-1 y .75 year	0.43 (0.50) 200-305; 1-3 y 1 year	--

¹Katzman 1998; ²Mogen 1996; ³Paterson 2014; ⁴Bowerman, T. and P. Budy 2012; ⁵Achord, S., R. Zabel, and B. Sanford 2007; ⁶Al-Chokhachy, R. and P. Budy 2008; ⁷Dieterman, D.J. and R.J.H. Hoxmeier 2011.