

**Table 1.** Table of landscape characteristic values for tributaries derived from USGS 1 m Digital Elevation Map (U.S. Geological Survey 2016), overall Kenai River watershed values from (Benke and Cushing 2005).

Watershed	Elevation at mouth (m)	% Ice cover in watershed	Meets with main stem of Kenai River (km)	Average gradient (%)	Water- shed area (km <sup>2</sup> )	Total length (km)
Lowland (Beaver Creek)	21	0%	17	2%	157	58
Montane (Russian River)	106	<1%	121	9%	163	90
Glacial (Ptarmigan Creek)	166	7%	165	14%	86	43
Main Stem (Kenai River)	0	14%	NA	23%	5200	132