

Table 1. Descriptions for the 23 local and watershed predictor variables.

Local variable	Description
Flow	Binary variable that differentiates perennial and intermittent flow
Temp	Binary variable that differentiates cold and warm water streams
Linkr10	A ten category description of stream size based on Shreve Link magnitude (Shreve 1966)
sdiscr_2c	Binary variable that differentiates stream segments that flow into either the same size stream or a larger stream
grdseg10	A ten category designation of stream segment gradient (m/km)
neb_geol	A 14 category variable designating the surficial geology through which each stream segment flows
stxt4cat	A 4 category variable designating the general soil texture class through which each stream segment flows
drn_grp	A 5 category variable designating the major drainage group in which a given stream segment occurs
Watershed Variable	
avegrd10	Average gradient of all stream segments in the watershed
hyda_p	Percent of watershed containing Hydrologic Soil Group A placed into ten categories
hydb_p	Percent of watershed containing Hydrologic Soil Group B placed into ten categories
hydc_p	Percent of watershed containing Hydrologic Soil Group C placed into ten categories
hydd_p	Percent of watershed containing Hydrologic Soil Group D placed into ten categories
hydbc_p	Percent of watershed containing Hydrologic Soil Group B/C placed into ten categories
stxt01_p	Percent of watershed containing Soil Surface Texture Class 1 (Sand) placed into ten categories.
stxt02_p	Percent of watershed containing Soil Surface Texture Class 2 (Loamy sand) placed into ten categories.
stxt03_p	Percent of watershed containing Soil Surface Texture Class 3 (Sandy loam) placed into ten categories.
stxt04_p	Percent of watershed containing Soil Surface Texture Class 4 (Silt loam) placed into ten categories.
stxt06_p	Percent of watershed containing Soil Surface Texture Class 6 (Loam) placed into ten categories.
stxt08_p	Percent of watershed containing Soil Surface Texture Class 8 (Silty clay loam) placed into ten categories.
stxt09_p	Percent of watershed containing Soil Surface Texture Class 9 (Clay loam) placed into ten categories.
stxt11_p	Percent of watershed containing Soil Surface Texture Class 11 (Silty clay) placed into ten categories.
stxt12_p	Percent of watershed containing Soil Surface Texture Class 12 (Clay) placed into ten categories.