

Feature (i.e. input to ML model, no unit)

Mean elevation over catchment (m)
Mean insitu water temperature (deg. C)
Forest cover over catchment (percent)
Cropland over catchment (percent)
In situ dissolved oxygen (mg/L)
In situ dissolved oxygen saturation (percent)
Mean ground water table depth over catchment (cm)
Mean terrain slope over catchment (deg. x 10)
Irrigated area over catchment (percent)
Annual mean air temp. over catchment (deg. C)
Estimated mean depth of reach (m)
Stream order (non-dim.)
Mean stream speed (m/s)
Annual mean range of stream speed (m/s)
Mean precipitation over catchment (mm)
Mean surface runoff over catchment (mm/year)
Annual mean range of air temp. over catchment (deg. C)
Annual mean range of precip. over catchment (mm)
Pasture extent over catchment (percent)
pH (pH)
Mean stream gradient over reach (dm/km)
Mean pop. density over catchment (people/km²)
Degree of dam regulation on reach (percent)
Permafrost extent over catchment (percent)
Glacier extent over catchment (percent)

