

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

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

