

Zonal Flood Potential Plots, with Prediction Equations: Southern Rocky Mountains Region

2021-1

10 zones

Months of occurrence for the largest 5% floods also provided in seasonal plots

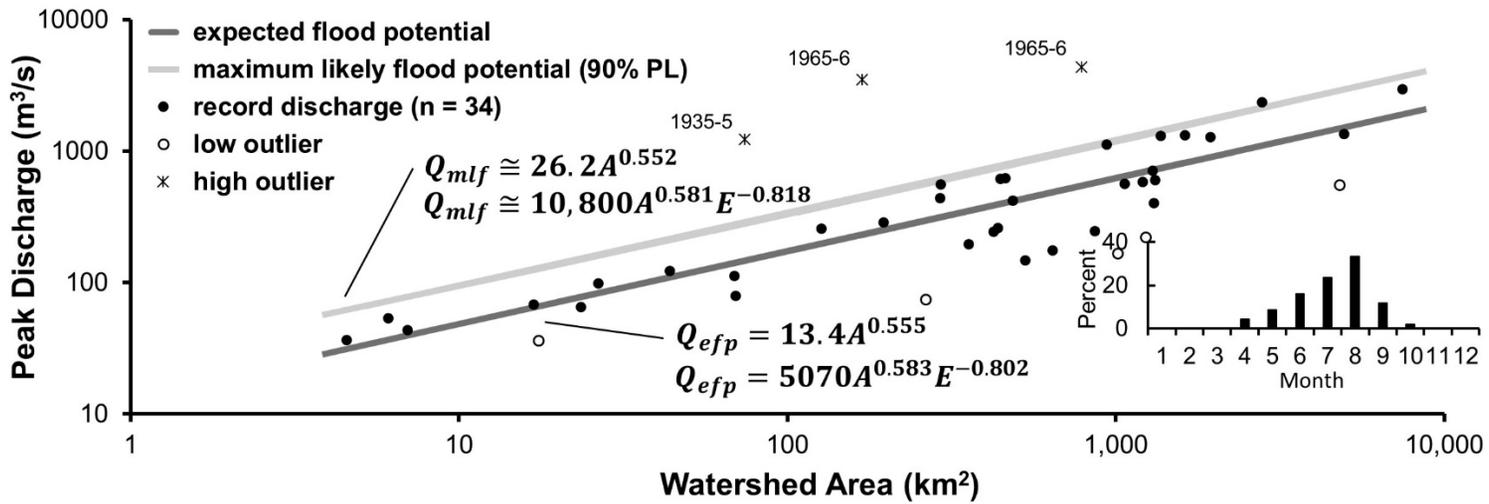


*Flood Potential Plots, Southern Rockies Region
Developed by: Steven Yochum*

*U.S. Department of Agriculture, Forest Service
National Stream and Aquatic Ecology Center*

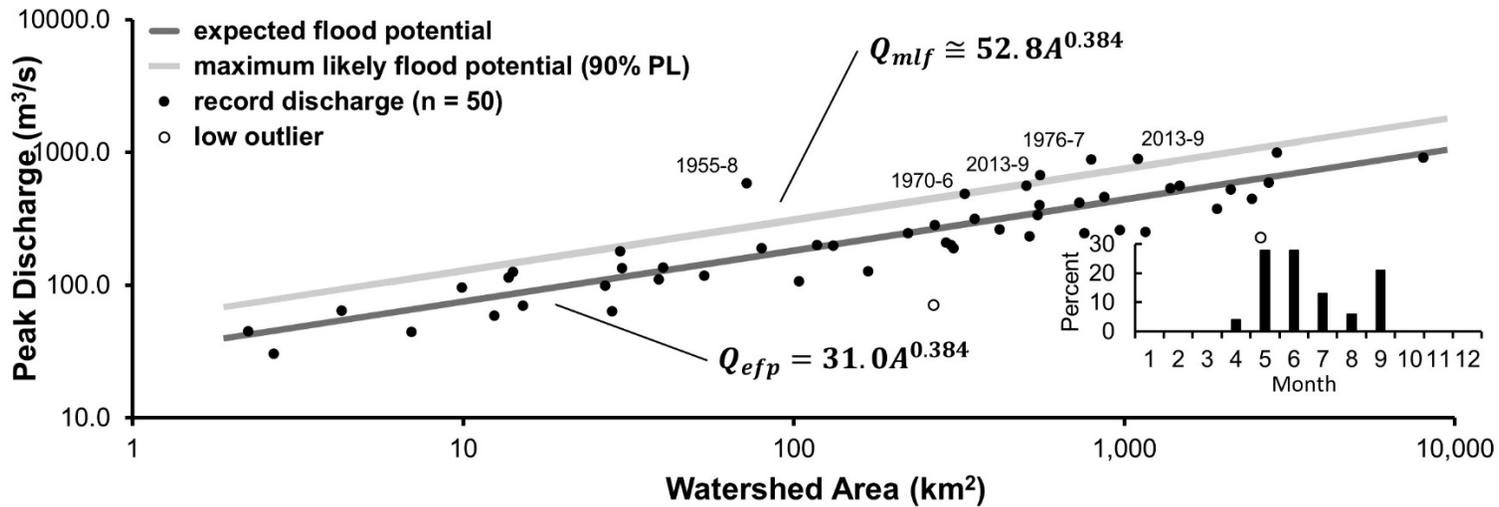
Zone 1S: Eastern Slopes and Great Plains, South ($P_f = 12.6$)

$R^2 = 0.83; 0.85$



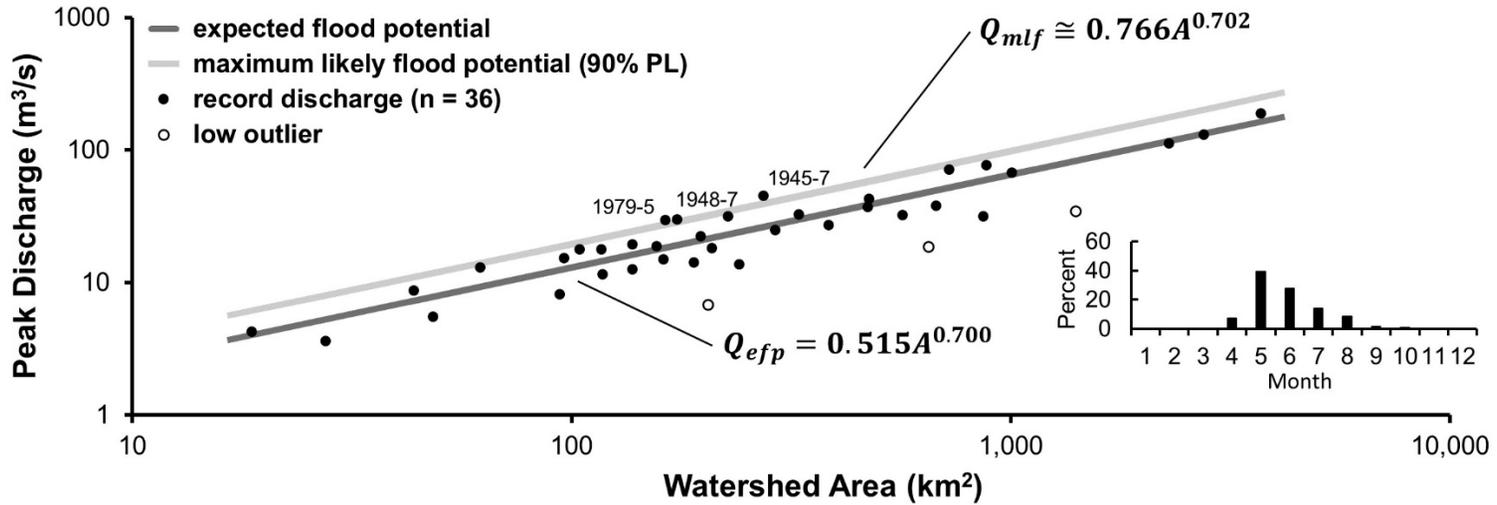
Zone 1N: Eastern Slopes and Great Plains, North ($P_f = 13.5$)

$R^2 = 0.79$



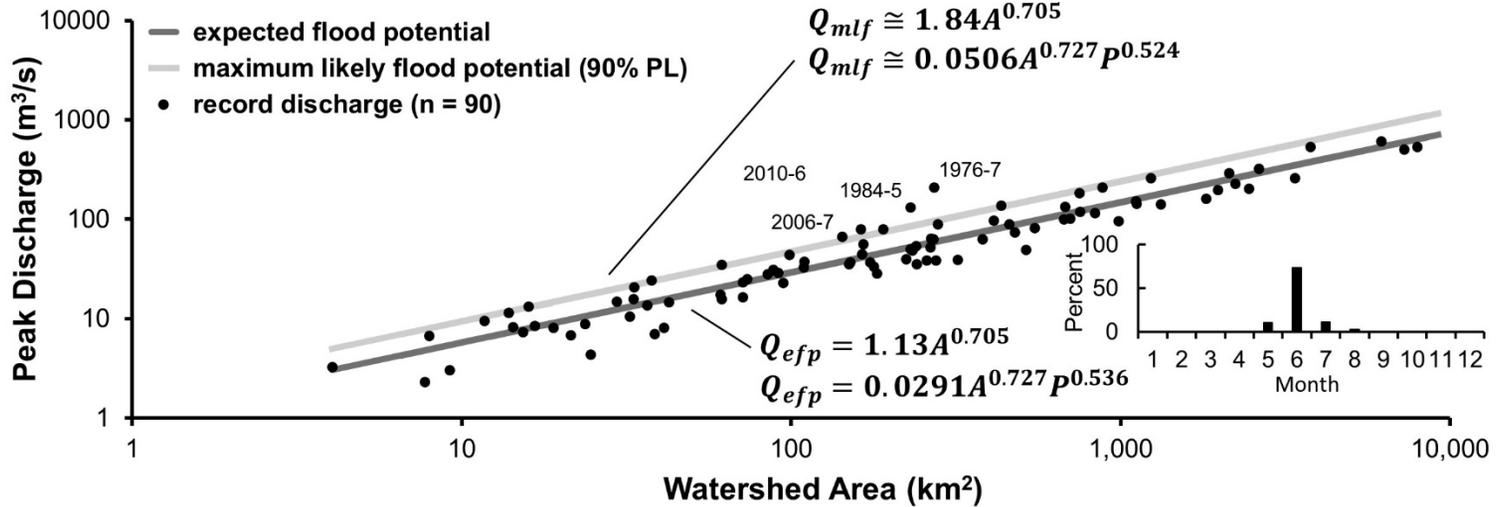
Zone 2: Orographic Sheltered ($P_f = 1.0$)

$R^2 = 0.89$



Zone 3: Southern Rockies ($P_f = 2.3$)

$R^2 = 0.92; 0.92$

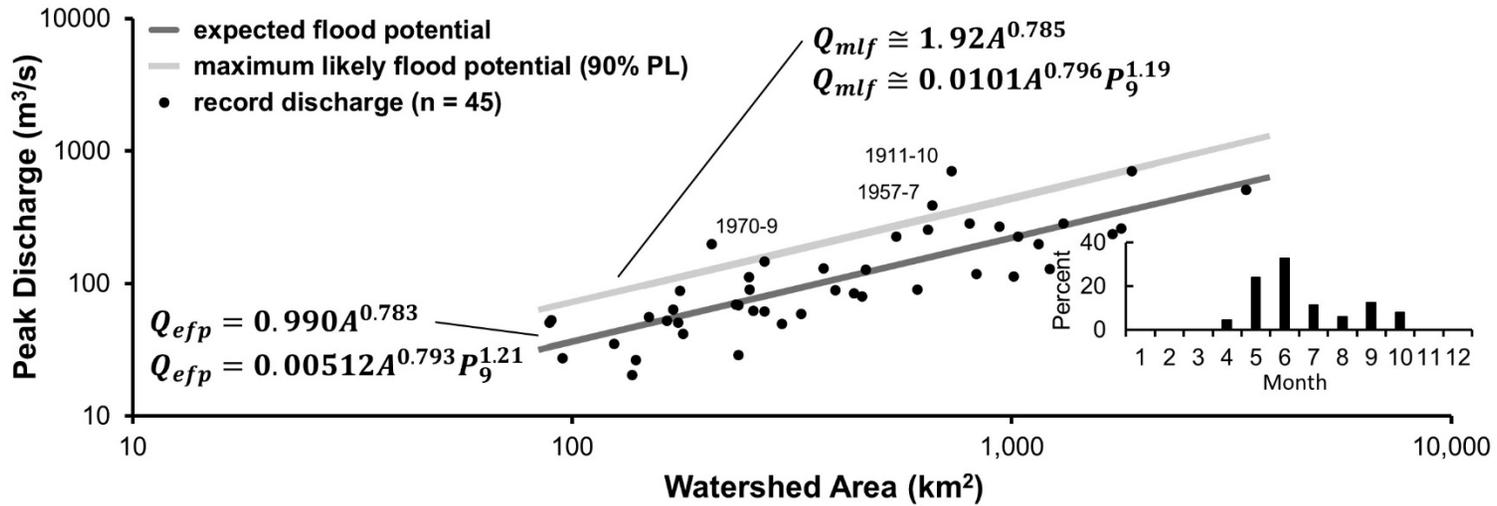


Flood Potential Plots, Southern Rockies Region
 Developed by: Steven Yochum

U.S. Department of Agriculture, Forest Service
 National Stream and Aquatic Ecology Center

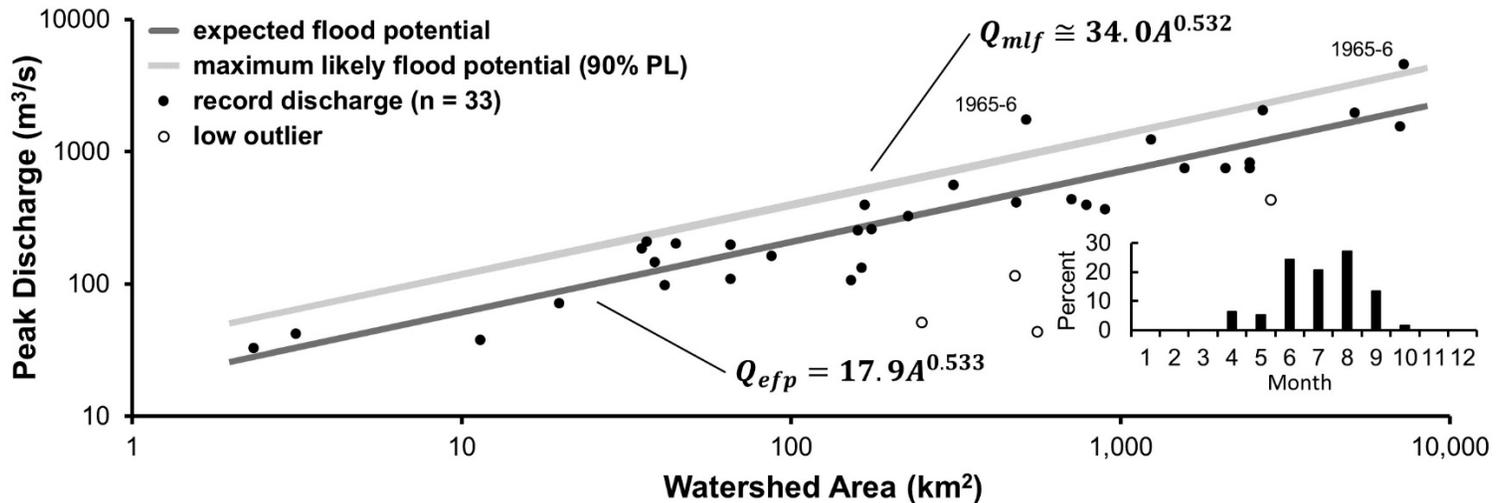
Zone 3S: Southern Rockies, South ($P_f = 3.0$)

$R^2 = 0.66; 0.74$



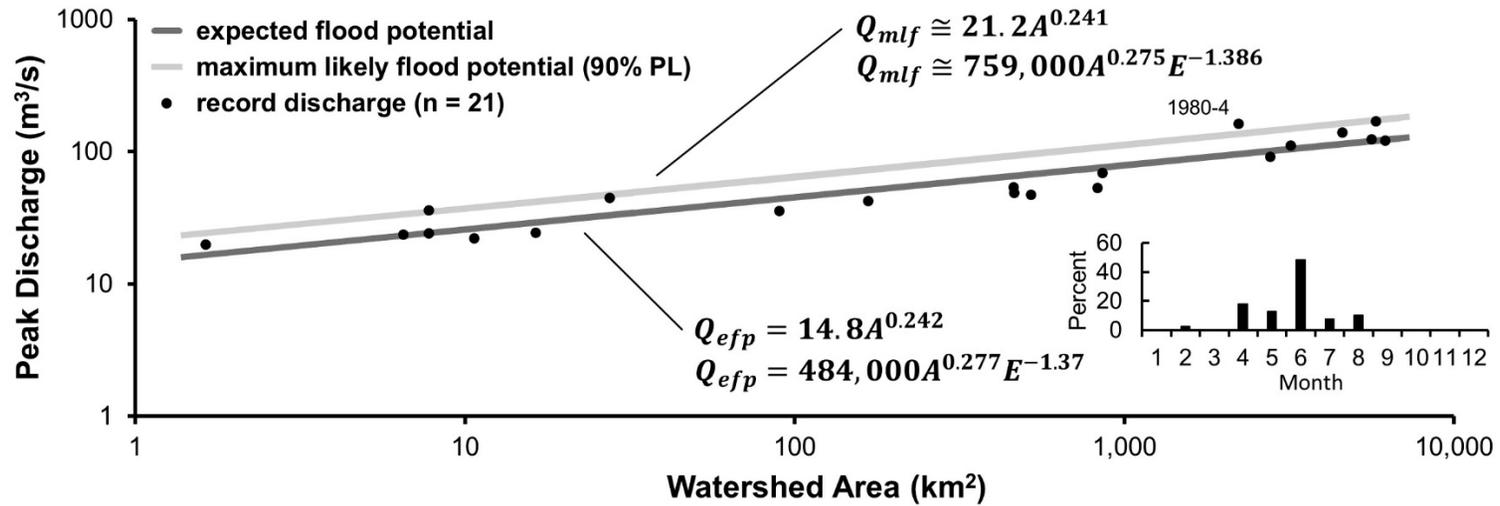
Zone 4: Southern Transition ($P_f = 15.1$)

$R^2 = 0.85$



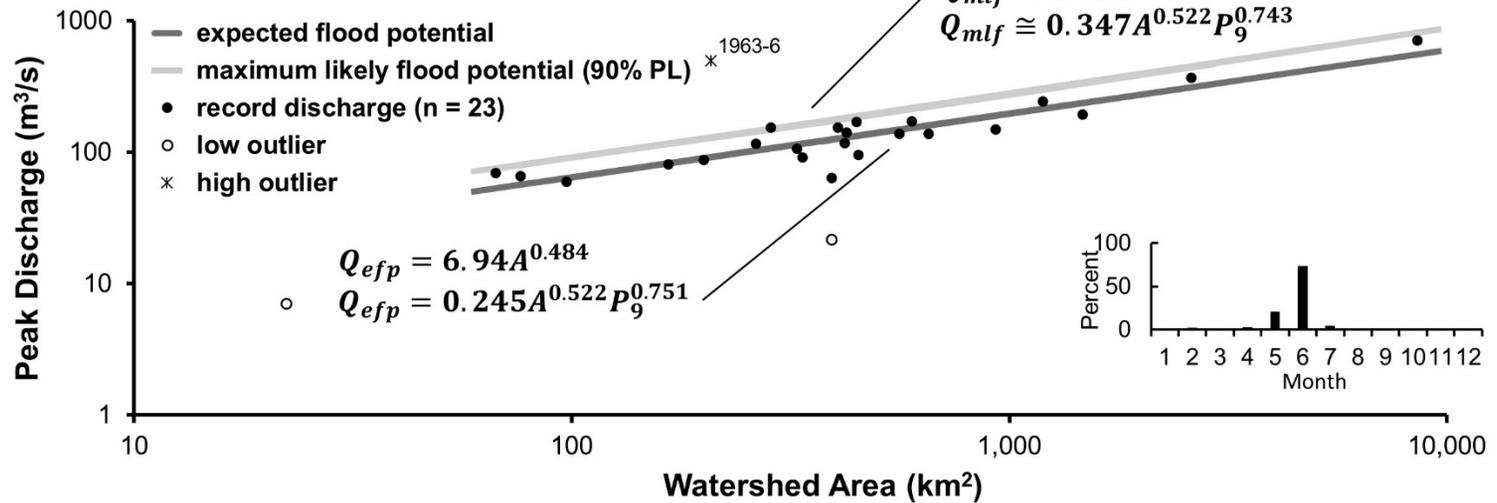
Zone 6: Wyoming Basin ($P_f = 3.6$)

$R^2 = 0.87; 0.90$



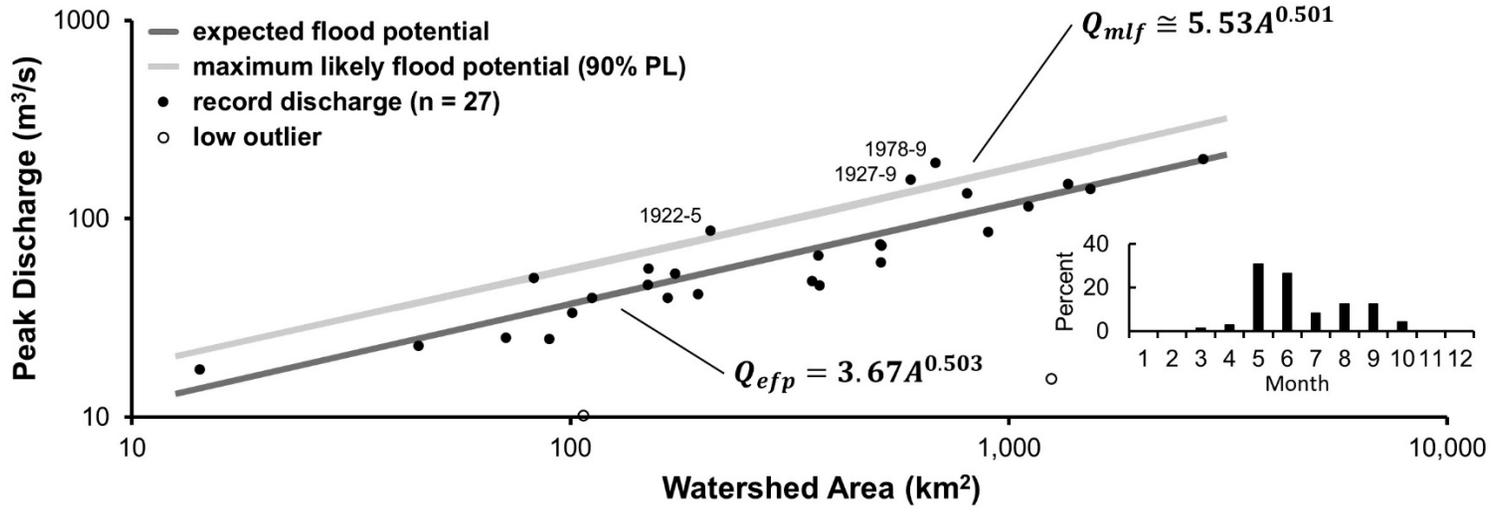
Zone 7: Northwest Mountains ($P_f = 4.7$)

$R^2 = 0.80; 0.83$



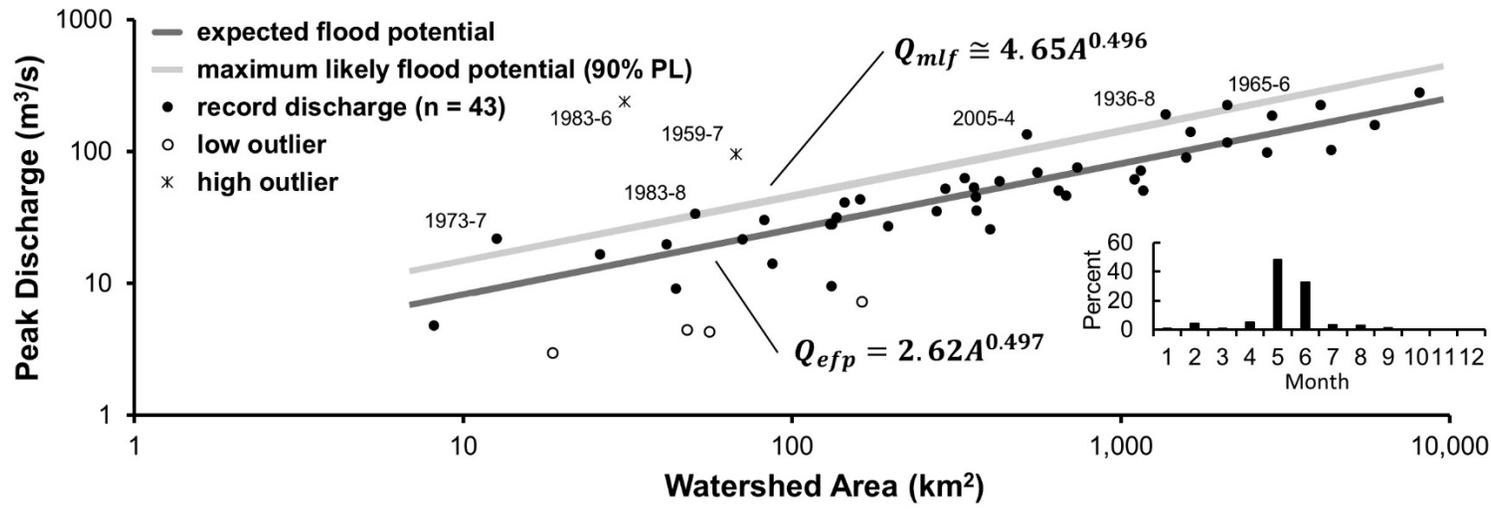
Zone 8T: Colorado Plateau Transition ($P_f = 2.7$)

$R^2 = 0.82$



Zone 9: Wasatch and West Basins ($P_f = 1.9$)

$R^2 = 0.79$



Flood Potential Plots, Southern Rockies Region
 Developed by: Steven Yochum

U.S. Department of Agriculture, Forest Service
 National Stream and Aquatic Ecology Center