

## **Zonal Flood Potential Plots, with Prediction Equations: West Coast Region**

2020-3

25 zones

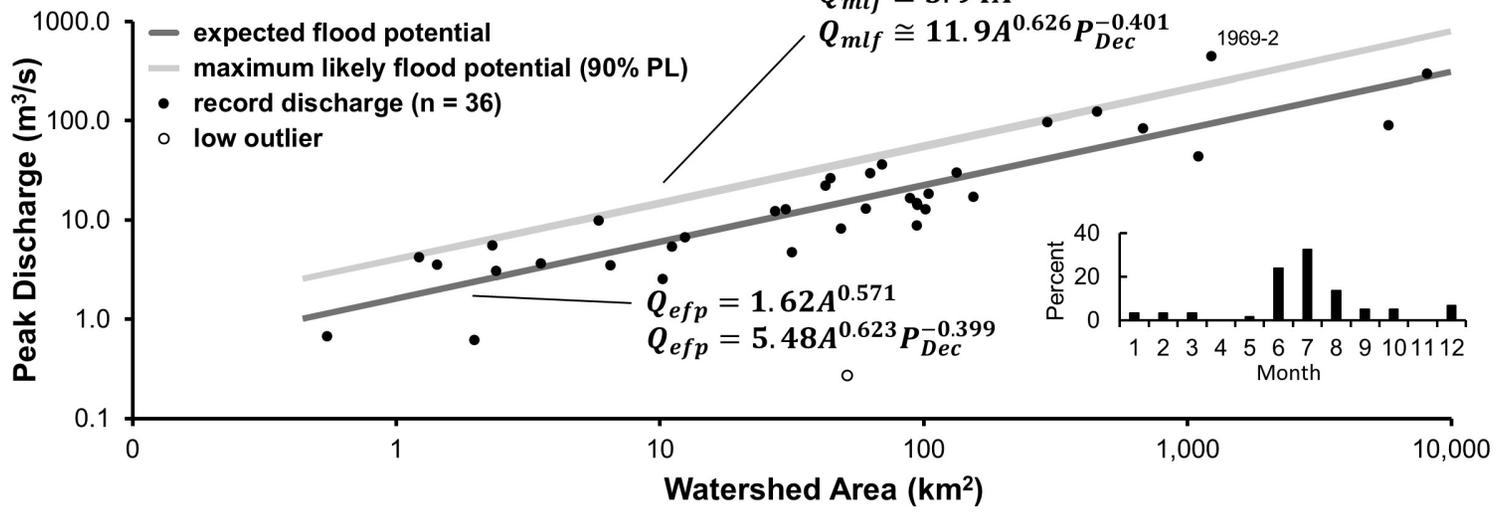
Months of occurrence for the largest 5% floods also provided in seasonal plots



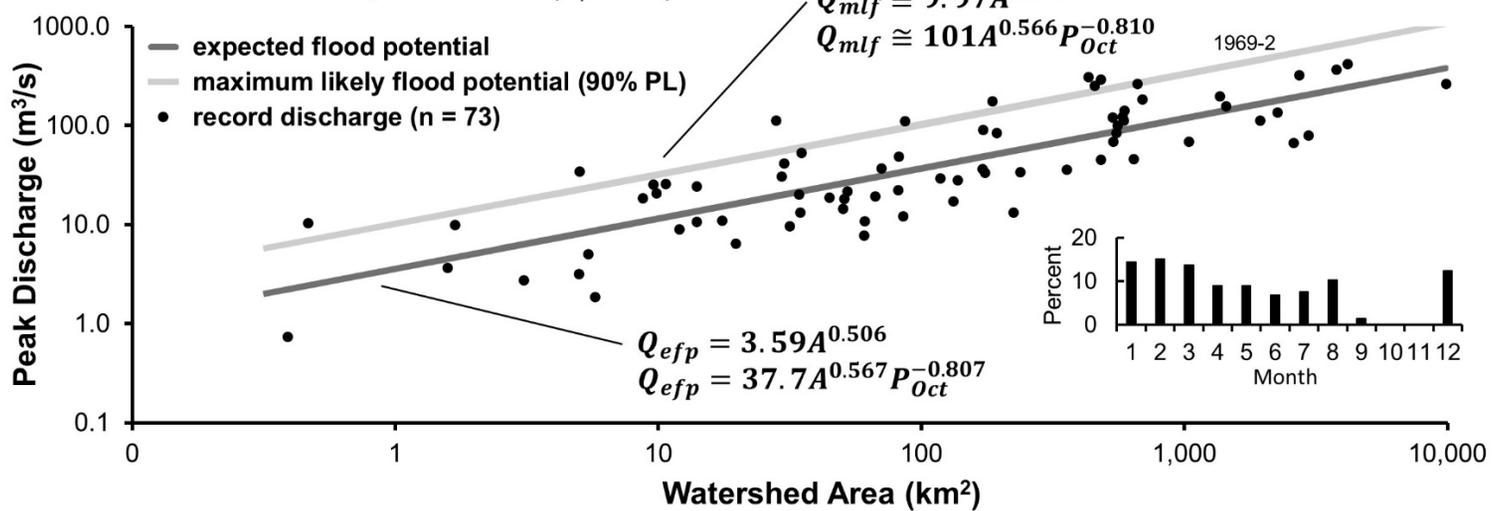
*Flood Potential Plots, West Coast Region  
Developed by: Steven Yochum*

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

**Zone 21SW: Great Basin, Southwest ( $P_f = 1.6$ )**



**Zone 21NW: Great Basin, Northwest ( $P_f = 2.7$ )**

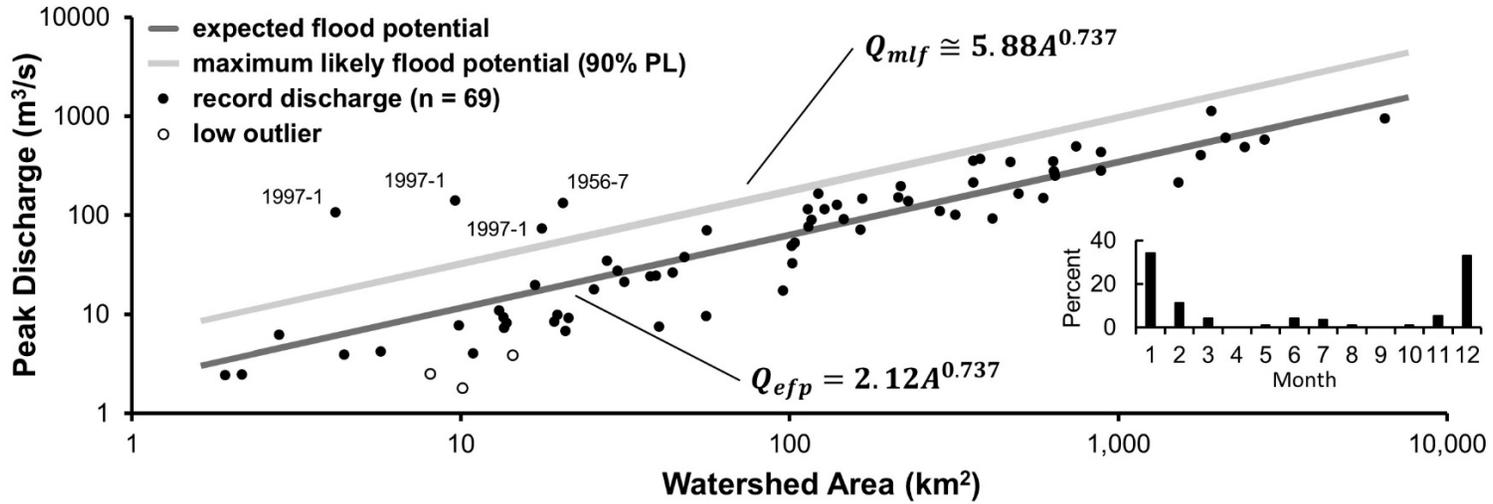


Flood Potential Plots, West Coast Region  
 Developed by: Steven Yochum

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

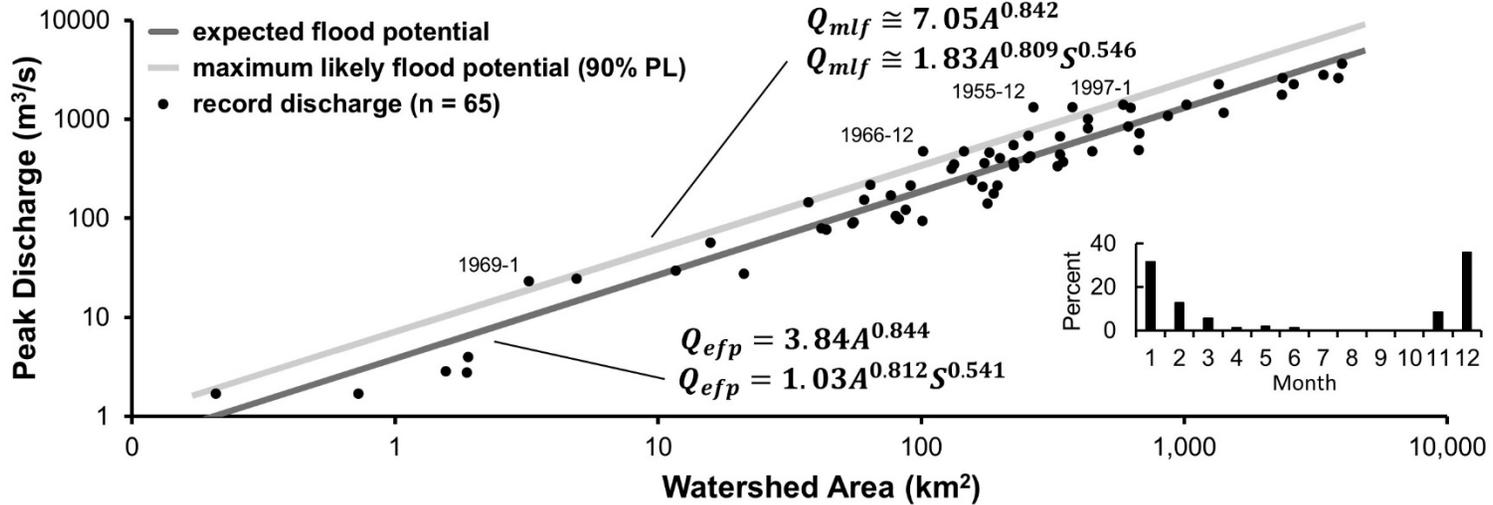
**Zone 22: Great Basin - Sierra Nevada Transition ( $P_f = 5.0$ )**

$R^2 = 0.77$



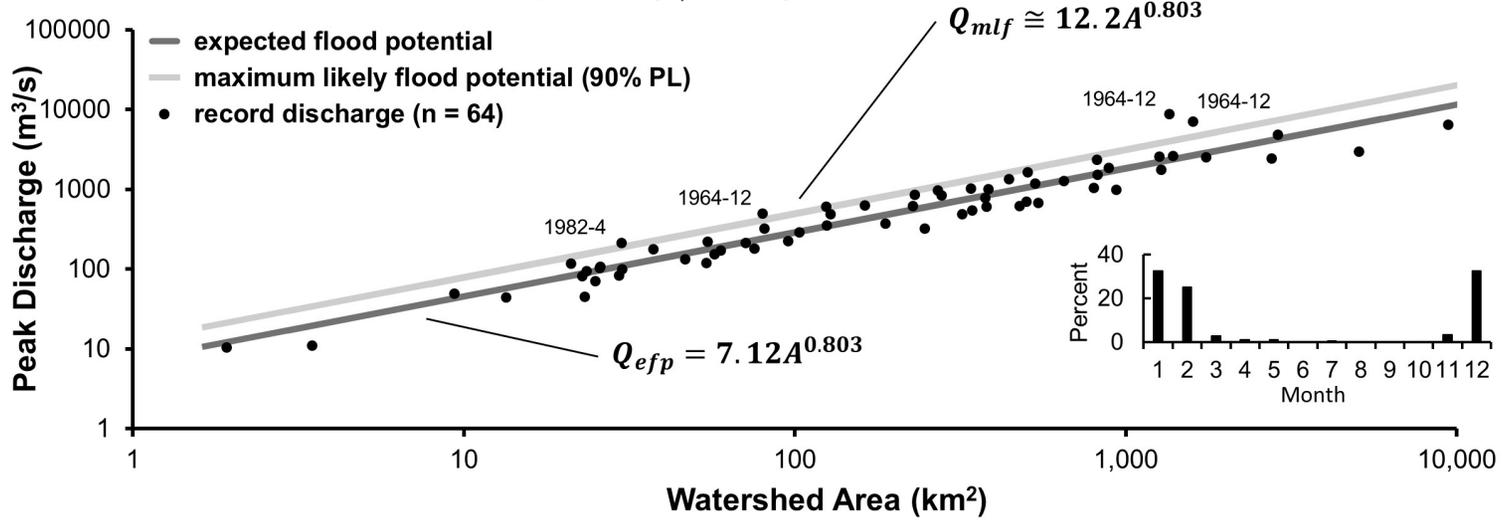
**Zone 23: Sierra Nevada Mountains, Lower Elevations ( $P_f = 16.6$ )**

$R^2 = 0.94; 0.94$



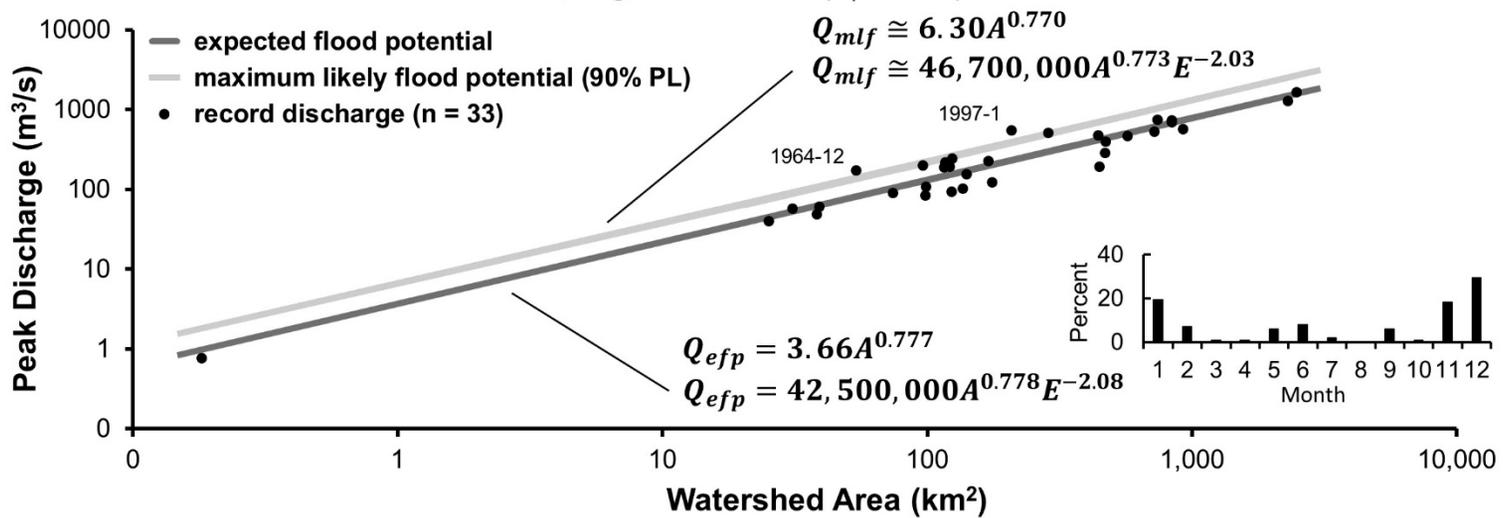
**Zone 23N: Sierra Nevada Mountains, North ( $P_f = 24.3$ )**

$R^2 = 0.92$



**Zone 23HS: Sierra Nevada Mountains, High Elevations ( $P_f = 10.8$ )**

$R^2 = 0.93; 0.95$

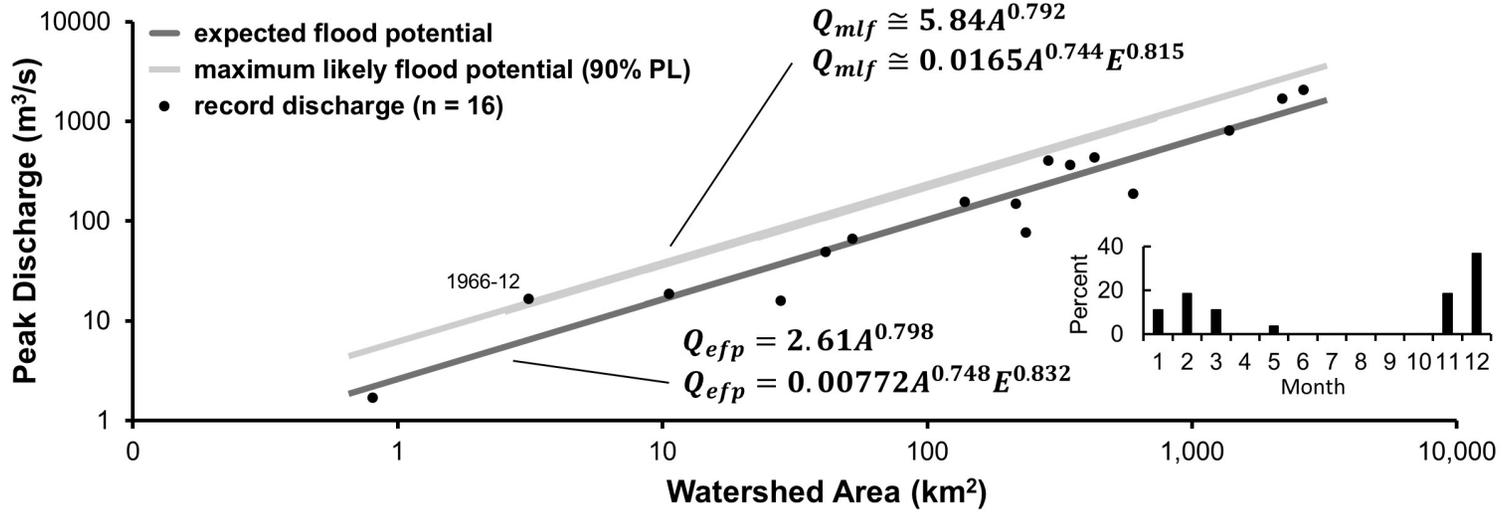


Flood Potential Plots, West Coast Region  
 Developed by: Steven Yochum

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

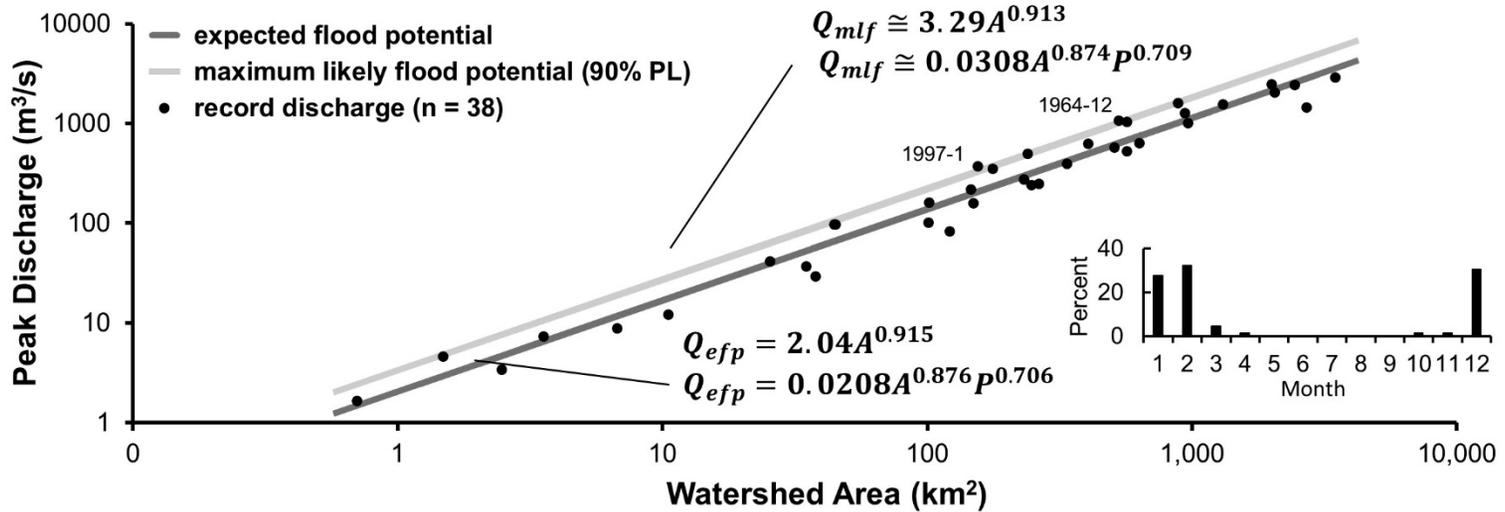
**Zone 23ST: Sierra Nevada Mountains, Southern Transition ( $P_f = 8.7$ )**

$R^2 = 0.92; 0.95$



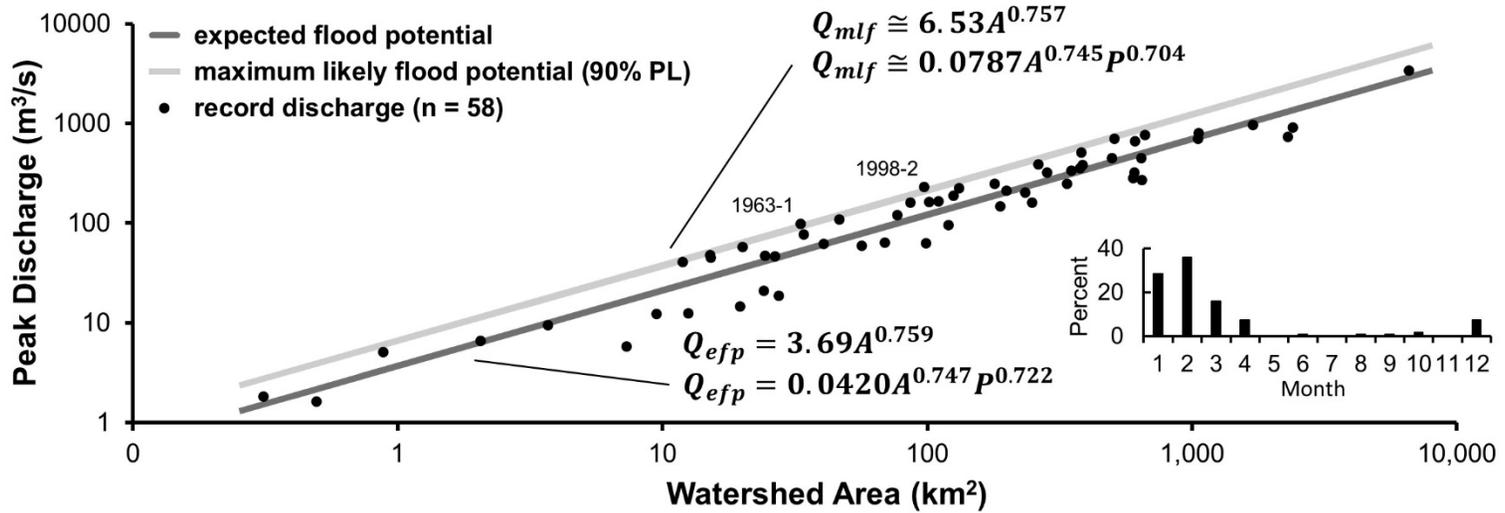
**Zone 24: California Coastal Ranges, Leeward ( $P_f = 13.4$ )**

$R^2 = 0.97; 0.98$



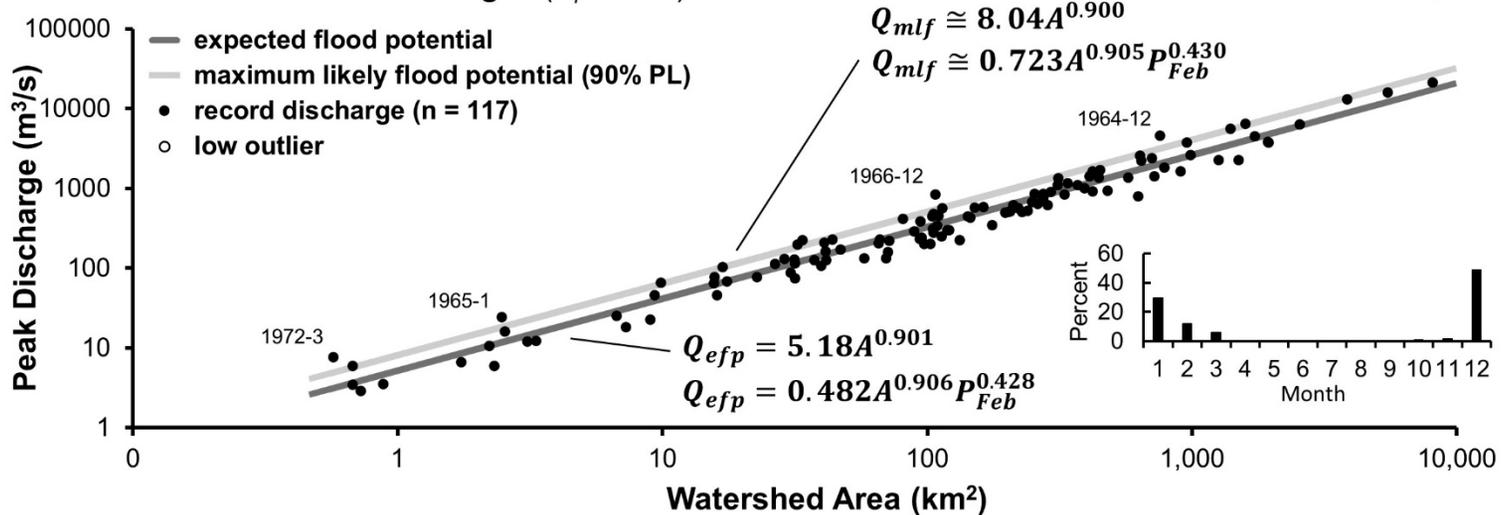
**Zone 24S: California Coastal Ranges, Leeward, South ( $P_f = 9.8$ )**

$R^2 = 0.93; 0.95$



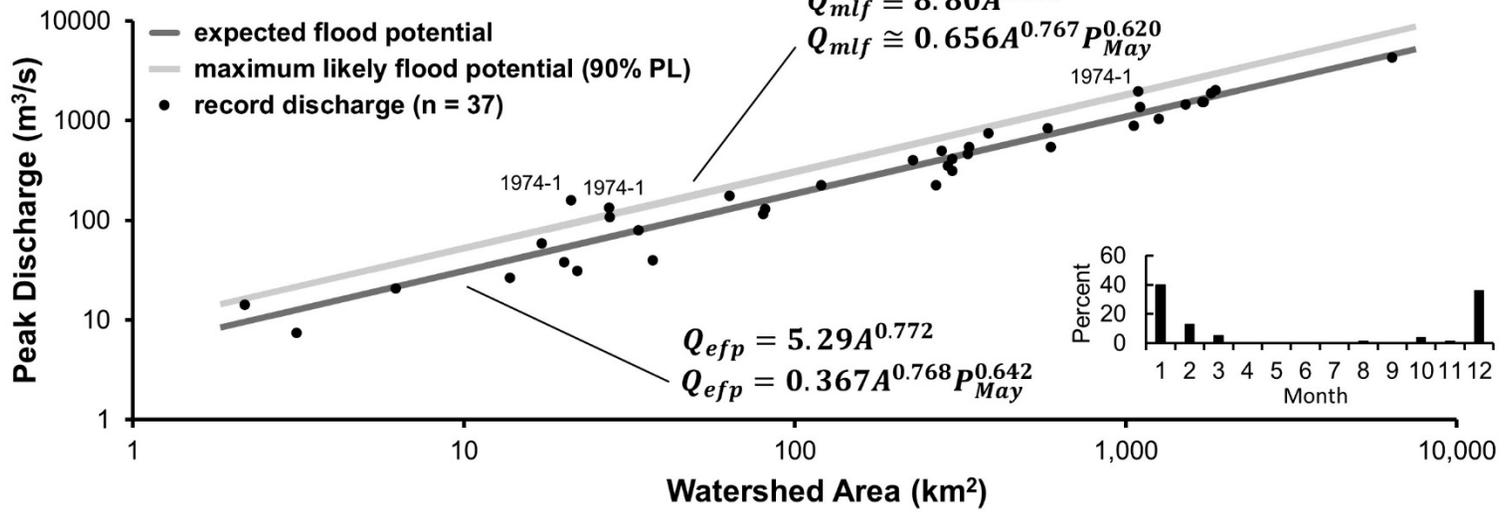
**Zone 25: California Coastal Ranges ( $P_f = 31.2$ )**

$R^2 = 0.97; 0.97$



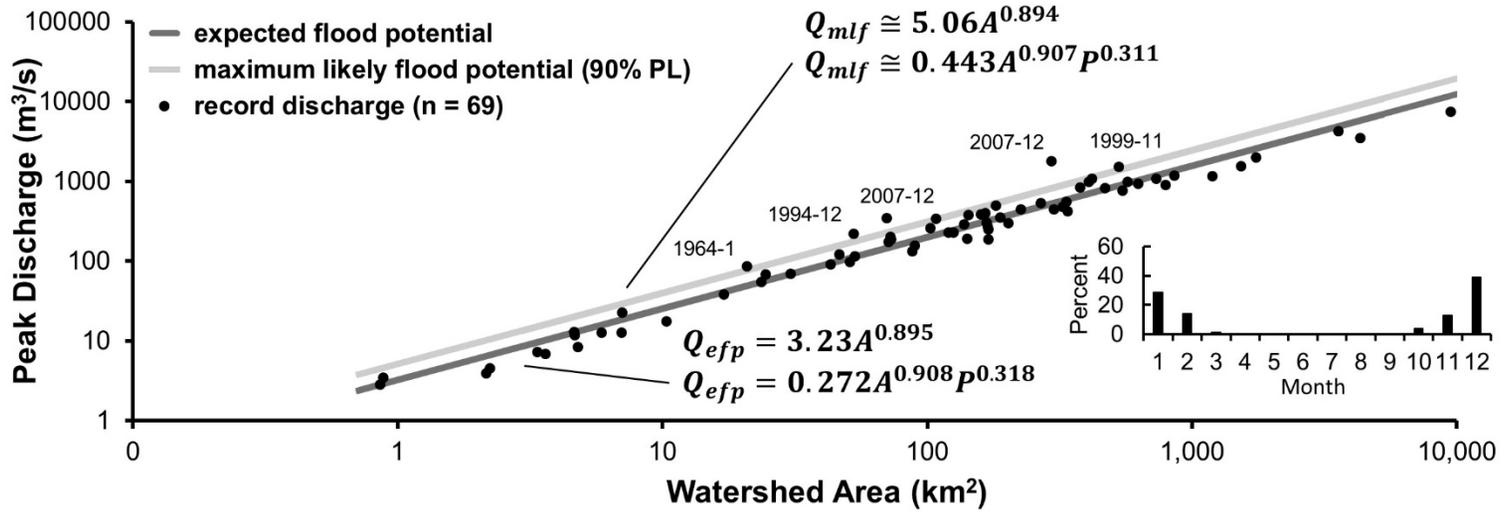
**Zone 26: Eastern Klamath Mountains ( $P_f = 15.1$ )**

$R^2 = 0.94; 0.95$



**Zone 27: Oregon and Washington Coast Ranges ( $P_f = 18.8$ )**

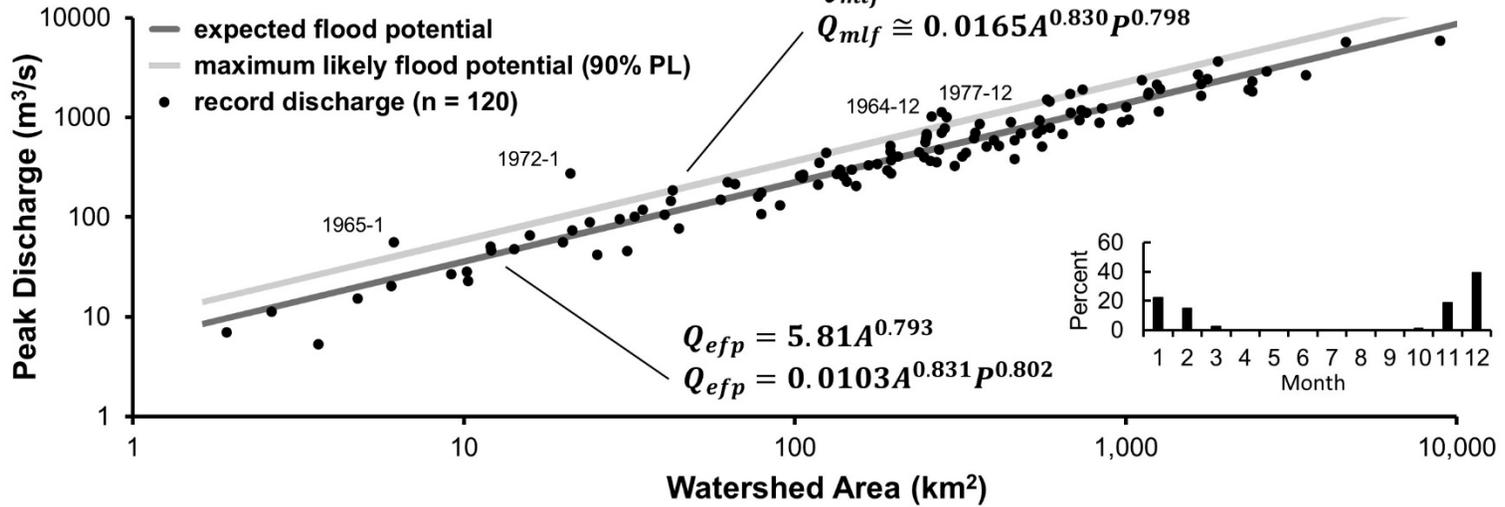
$R^2 = 0.97; 0.97$



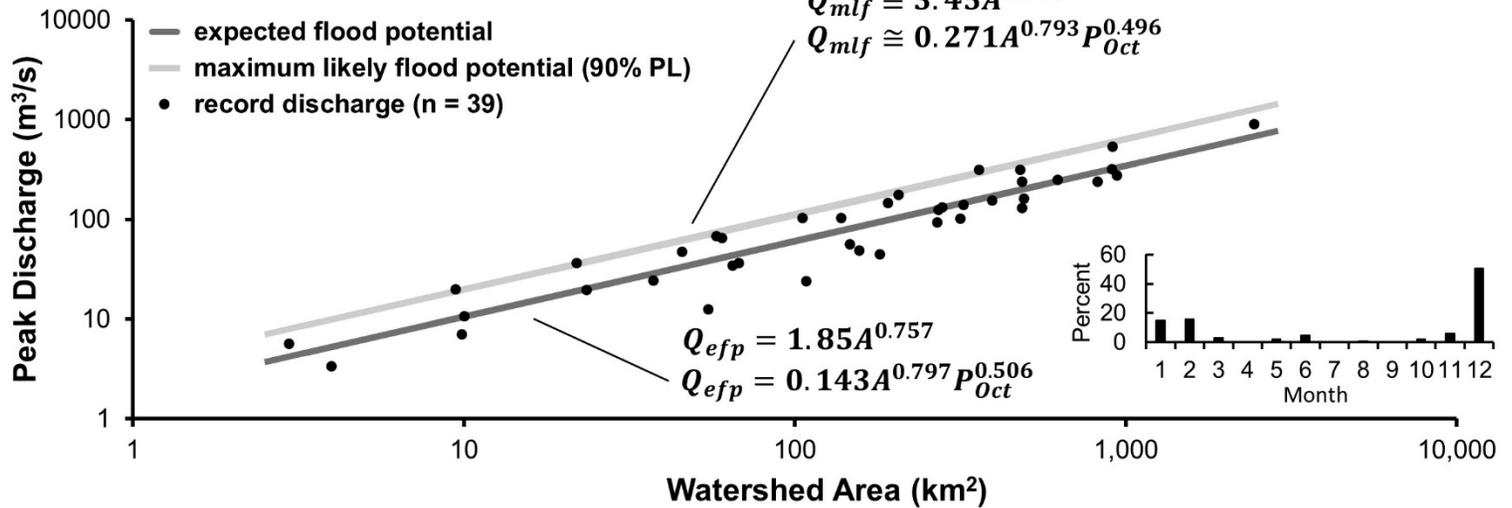
Flood Potential Plots, West Coast Region  
 Developed by: Steven Yochum

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

**Zone 28: Cascades, West ( $P_f = 18.7$ )**



**Zone 29: Cascades ( $P_f = 4.9$ )**

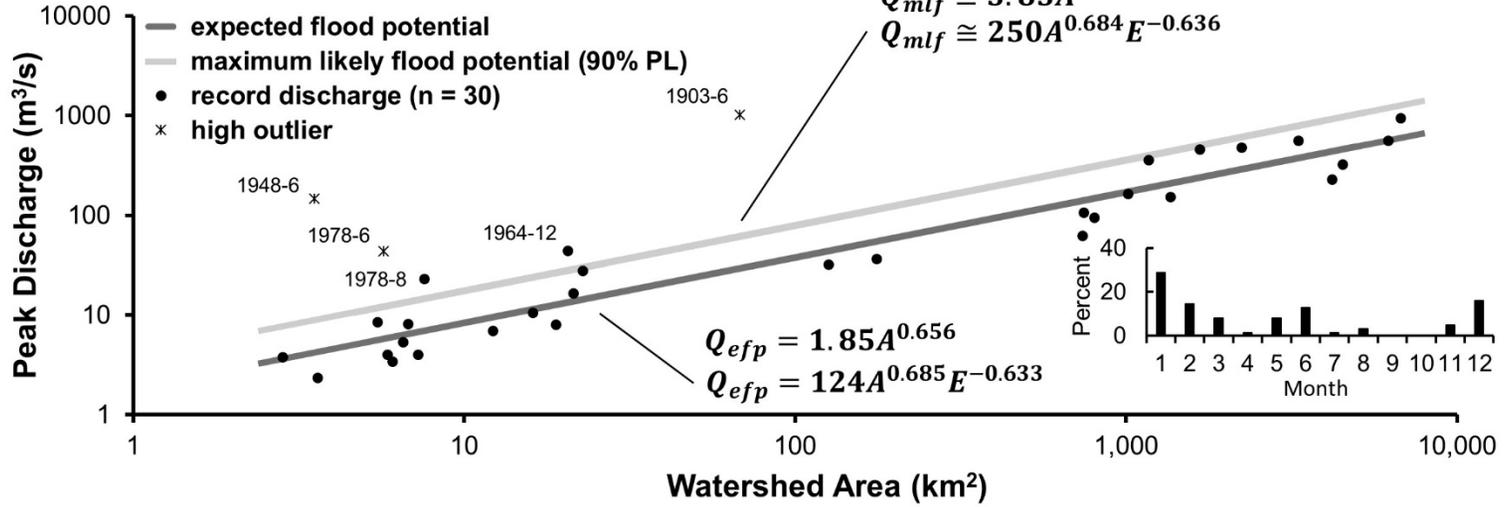


Flood Potential Plots, West Coast Region  
 Developed by: Steven Yochum

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

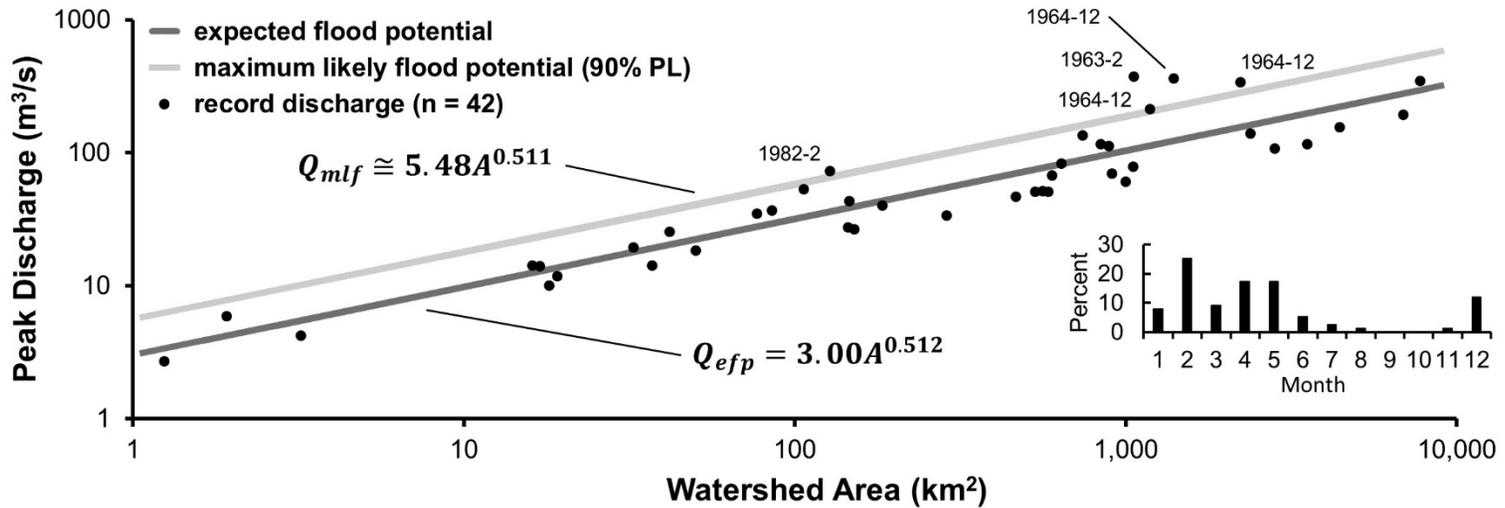
**Zone 30: Columbia Plateau ( $P_f = 2.8$ )**

$R^2 = 0.92; 0.93$



**Zone 30S: Columbia Plateau, South ( $P_f = 2.3$ )**

$R^2 = 0.86$

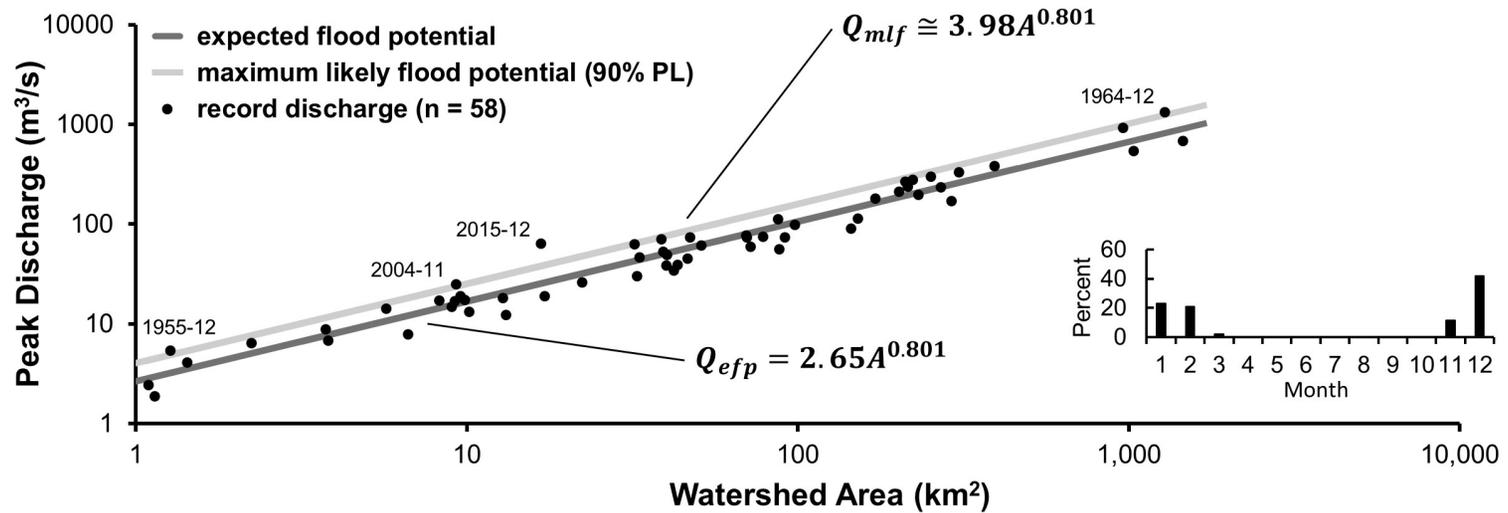


Flood Potential Plots, West Coast Region  
 Developed by: Steven Yochum

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

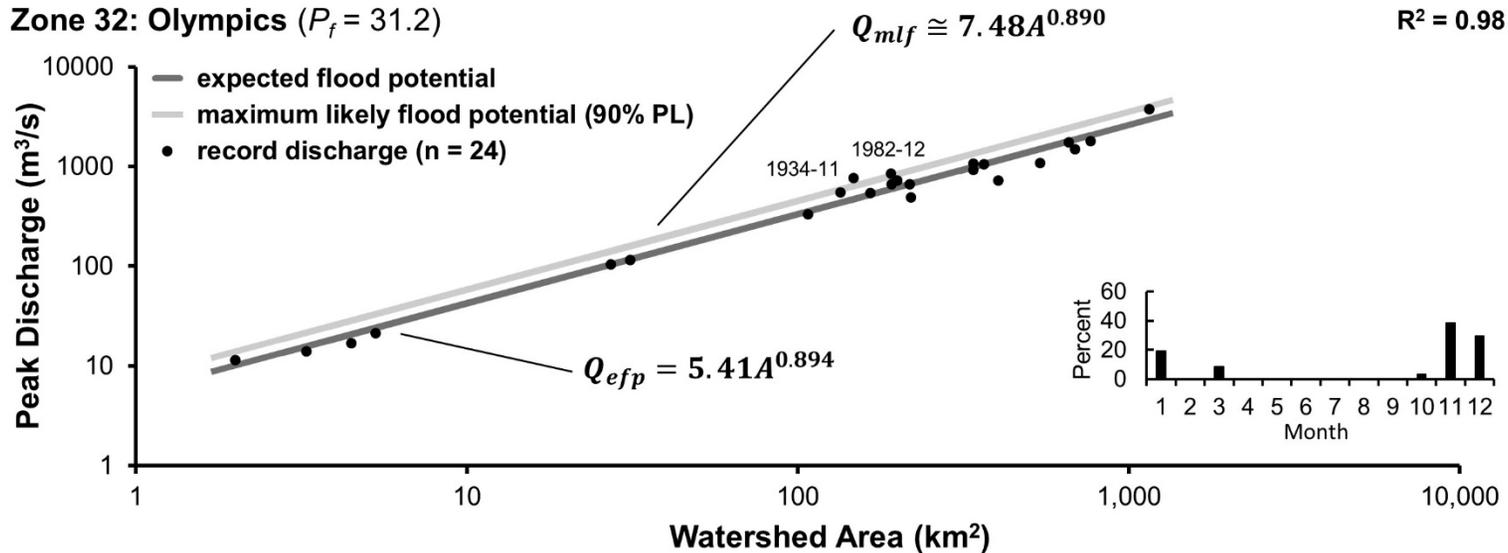
**Zone 31: Puget Trough ( $P_f = 8.9$ )**

$R^2 = 0.96$



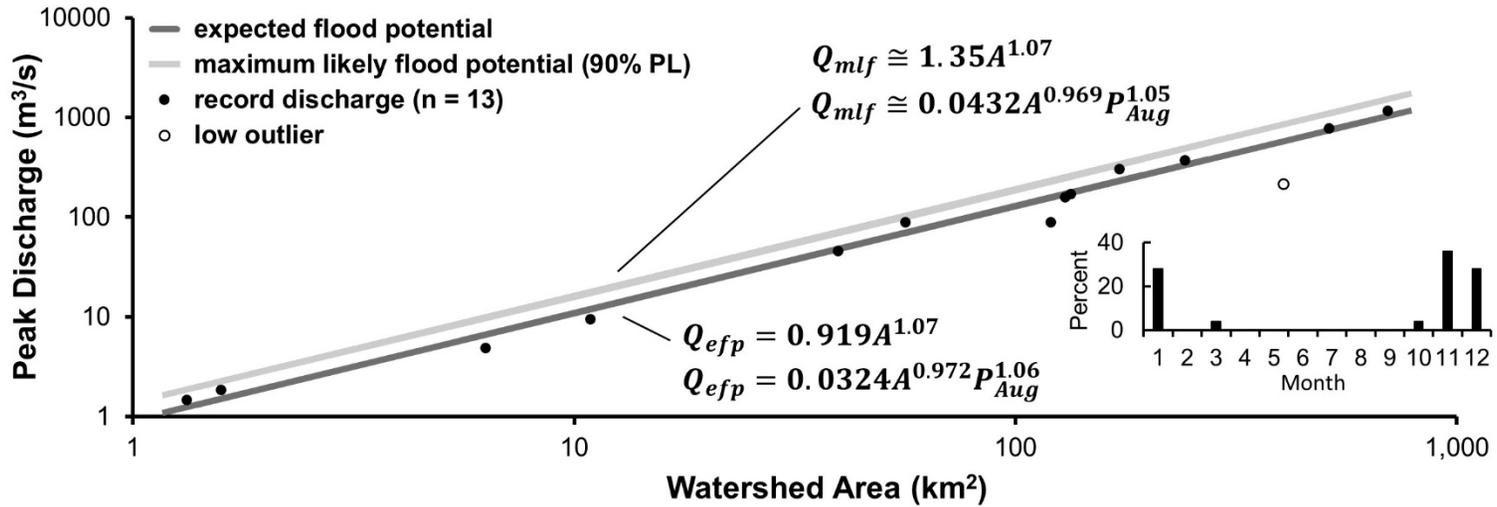
**Zone 32: Olympics ( $P_f = 31.2$ )**

$R^2 = 0.98$



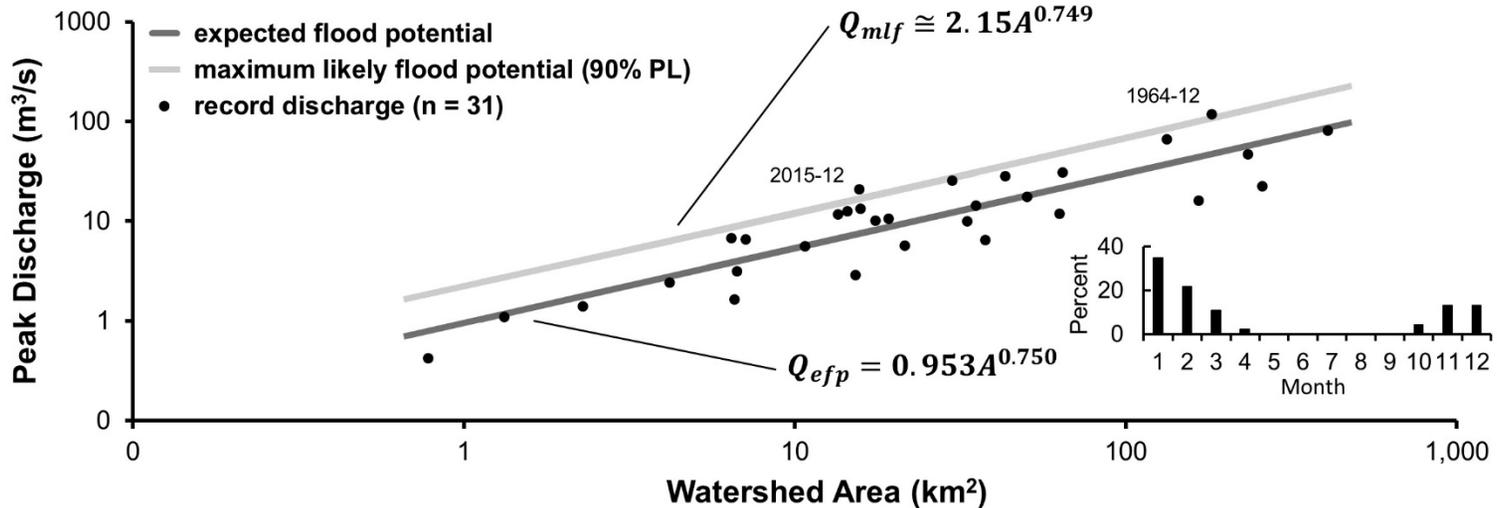
**Zone 32NE: Olympics, NE ( $P_f = 16.2$ )**

$R^2 = 0.99; 0.99$



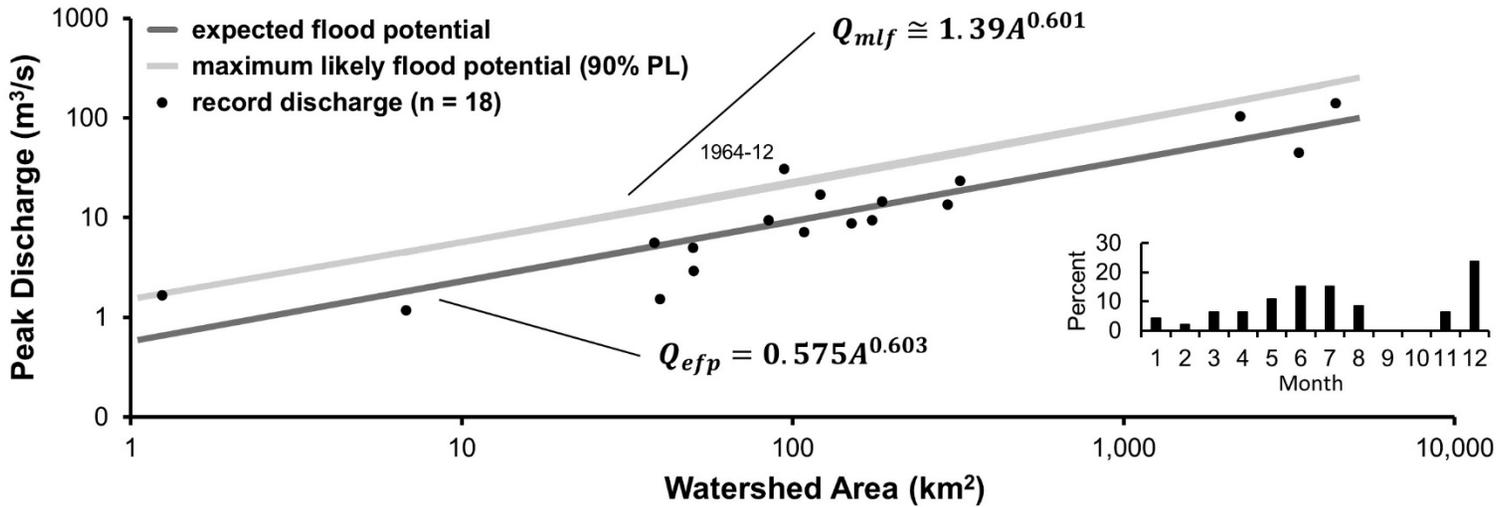
**Zone 33: Puget Sound ( $P_f = 2.4$ )**

$R^2 = 0.78$



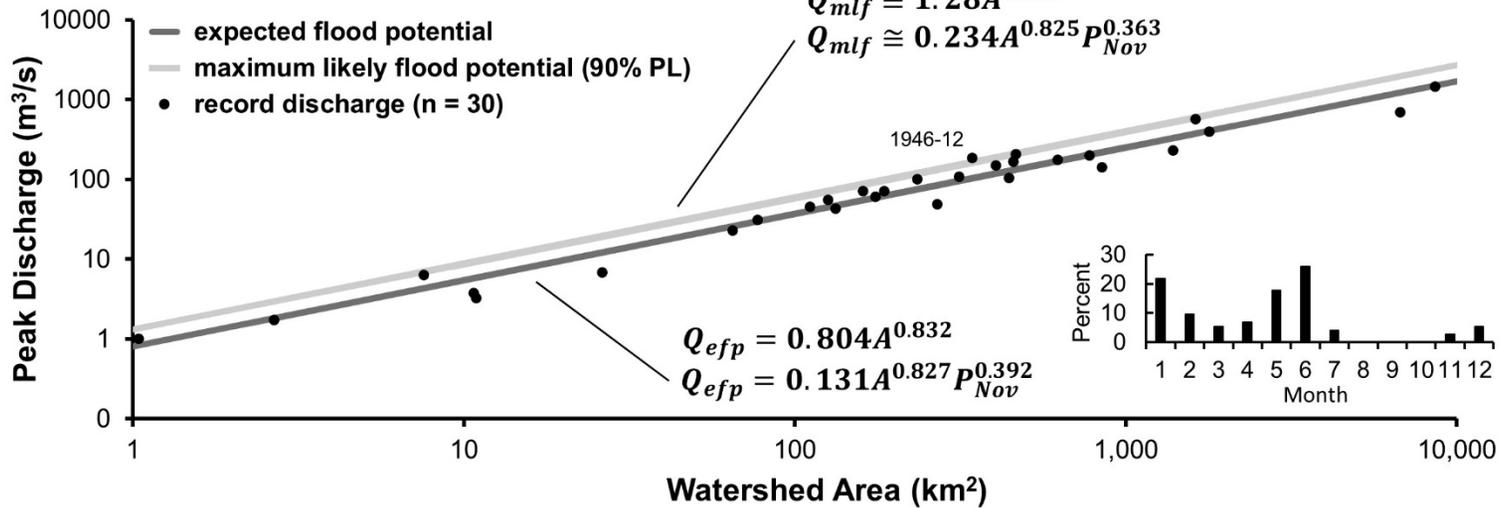
**Zone 34: Volcanic Leeward ( $P_f = 0.68$ )**

$R^2 = 0.78$



**Zone 35: Blue Mountains ( $P_f = 3.2$ )**

$R^2 = 0.96; 0.97$

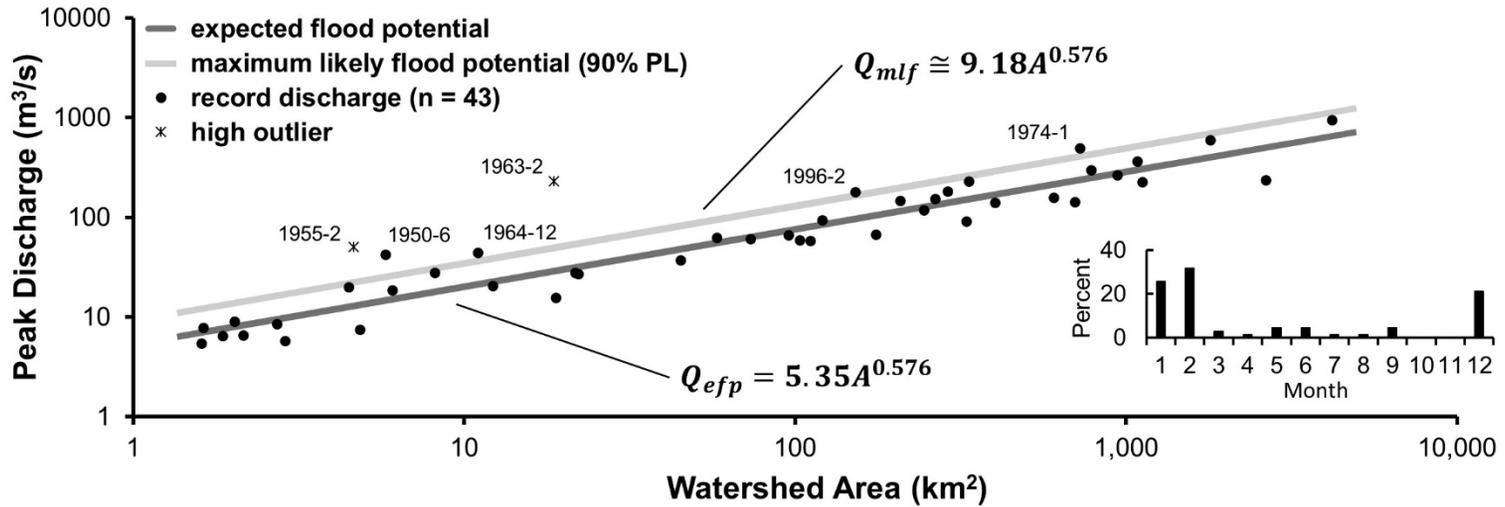


Flood Potential Plots, West Coast Region  
 Developed by: Steven Yochum

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

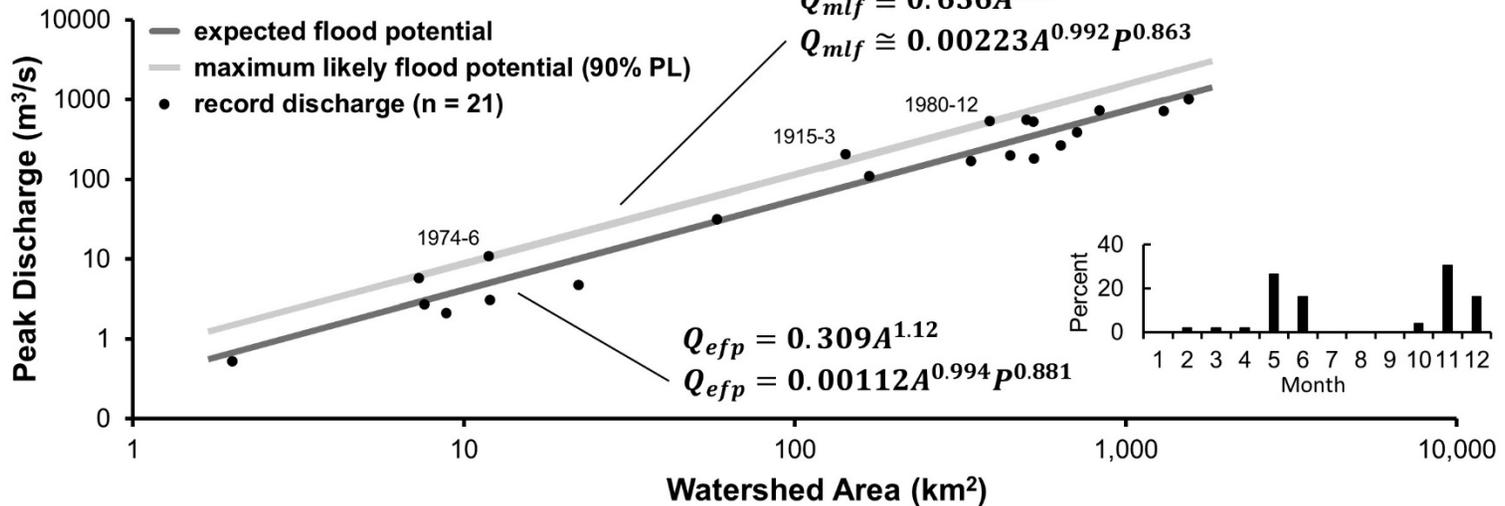
**Zone 36: Columbia Plateau, North ( $P_f = 5.5$ )**

$R^2 = 0.92$



**Zone 37: Cascades, Northeast ( $P_f = 7.6$ )**

$R^2 = 0.95; 0.97$

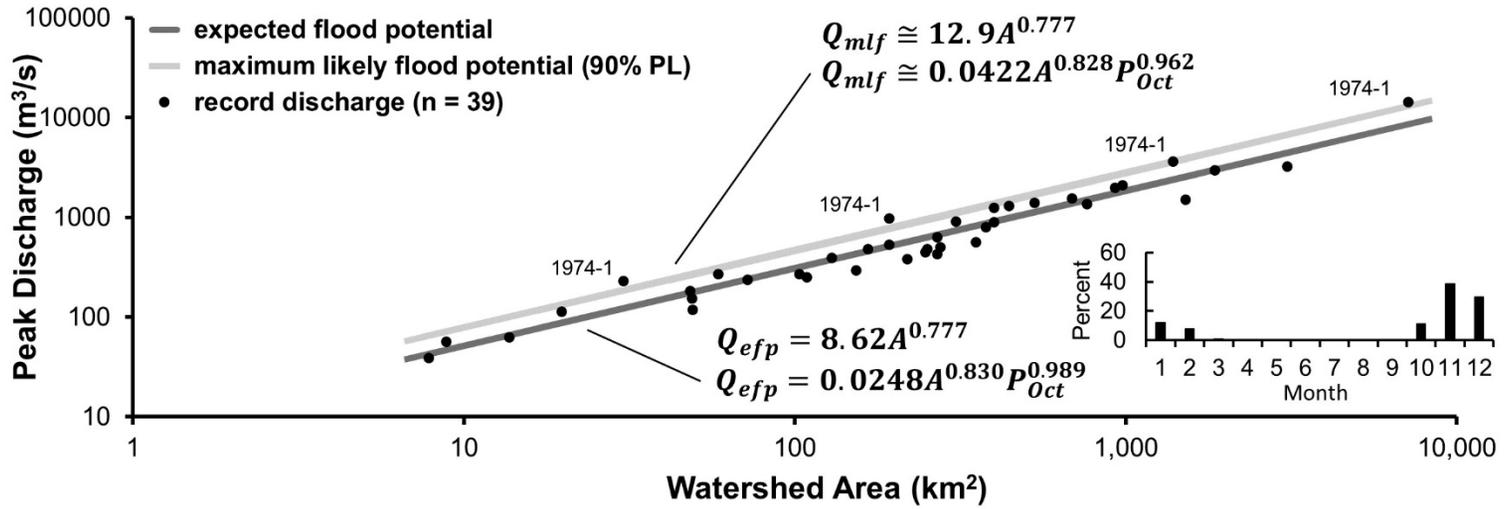


Flood Potential Plots, West Coast Region  
 Developed by: Steven Yochum

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

**Zone 38: Cascades, Northwest ( $P_f = 25.5$ )**

$R^2 = 0.94; 0.95$



Flood Potential Plots, West Coast Region  
 Developed by: Steven Yochum

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