

## **Zone Flood Potential Plots, with Prediction Equations: Eastern United States**

2024-1

92 zones

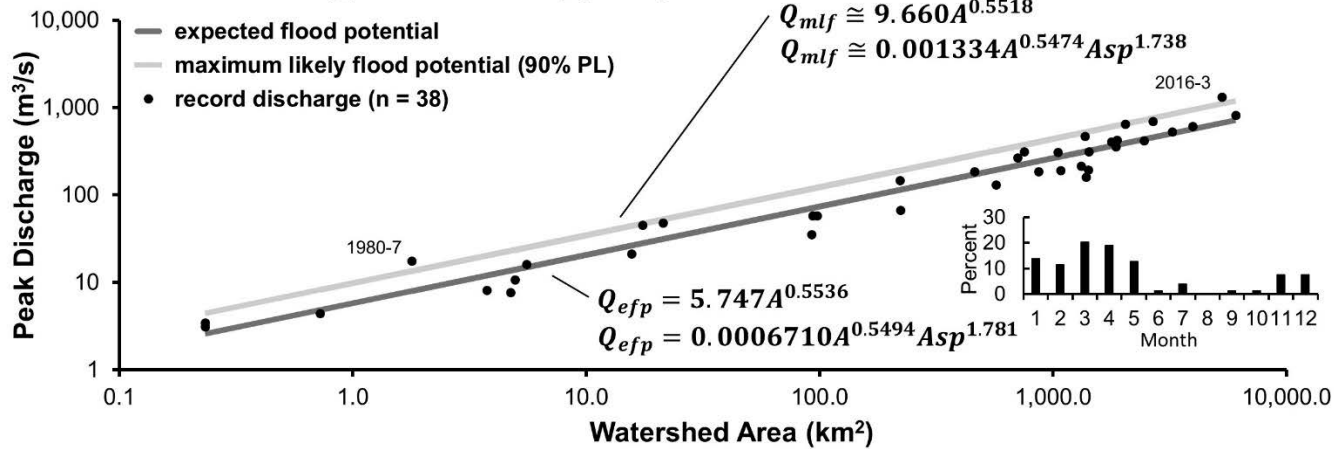
Months of occurrence for the largest 5% floods also provided in seasonal plots



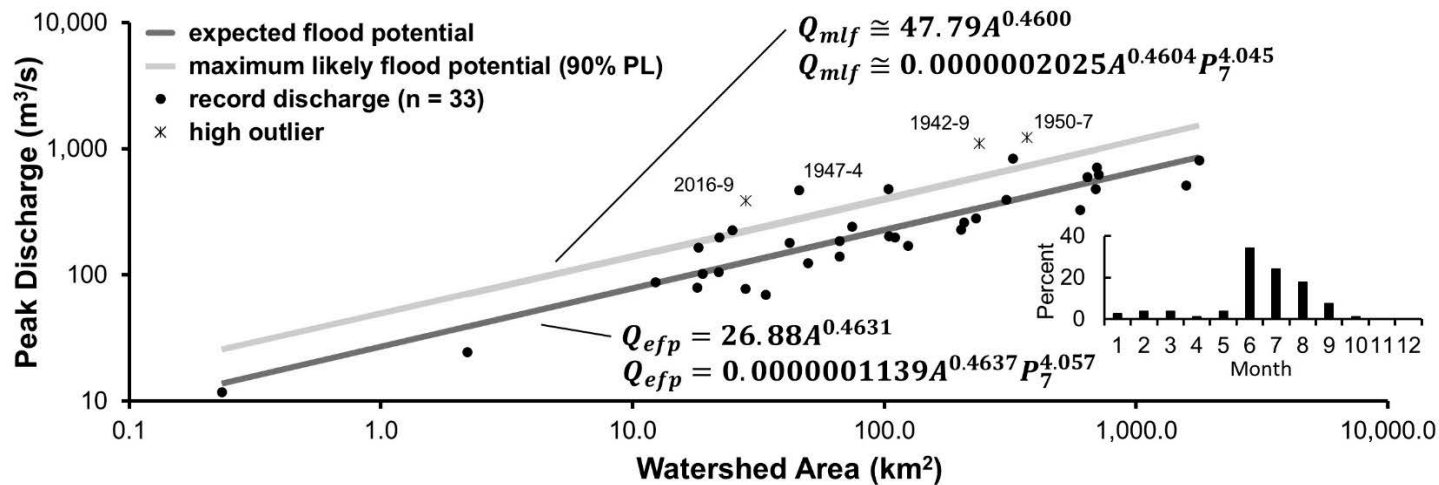
*Flood Potential Plots, Eastern United States  
Developed by: Steven Yochum*

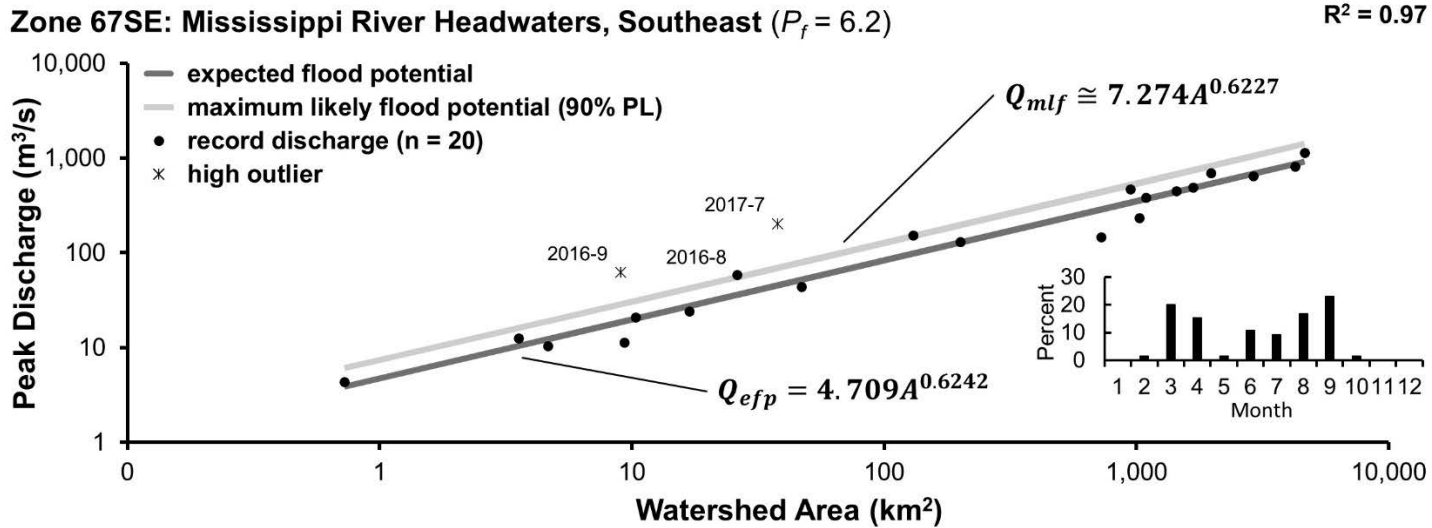
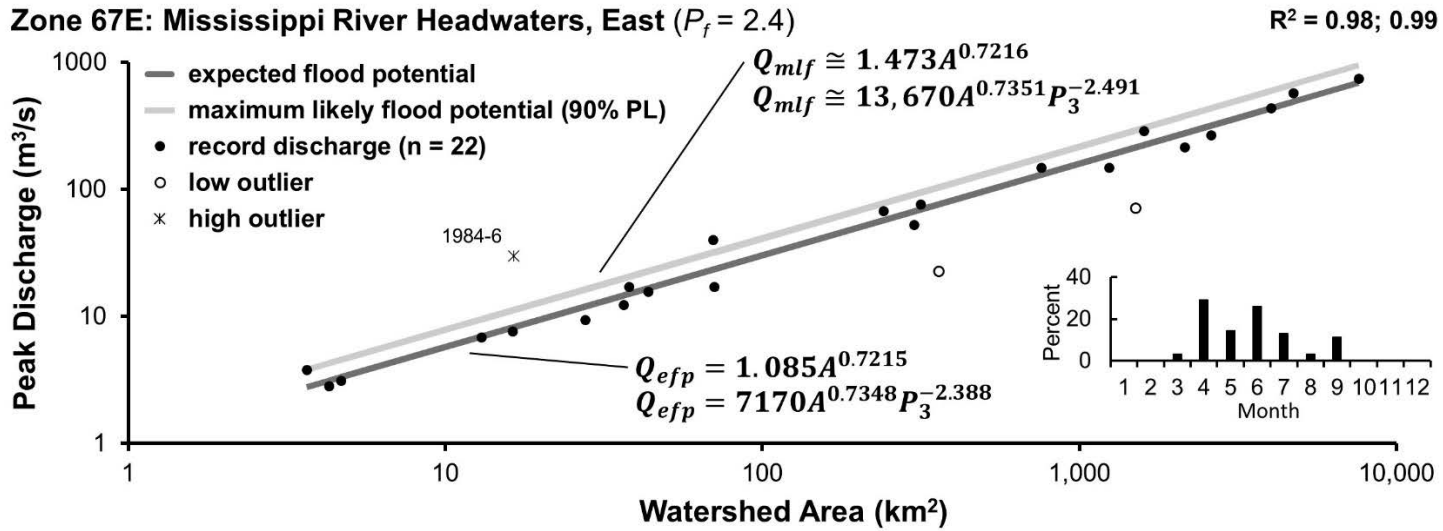
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**Zone 56: Lower Mississippi Alluvial Plain ( $P_f = 5.3$ )**



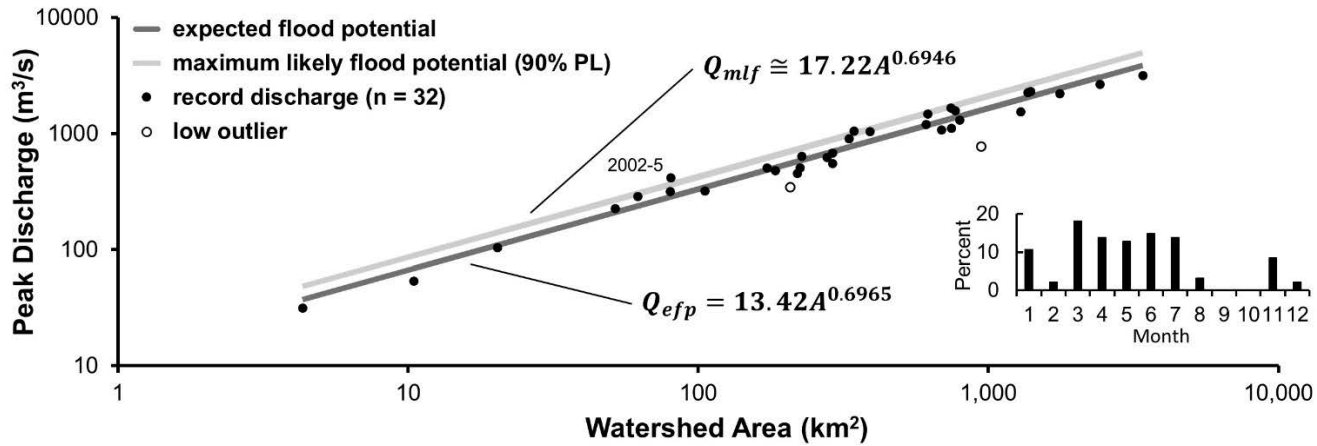
**Zone 64E: Mississippi River Transition, East ( $P_f = 16.5$ )**





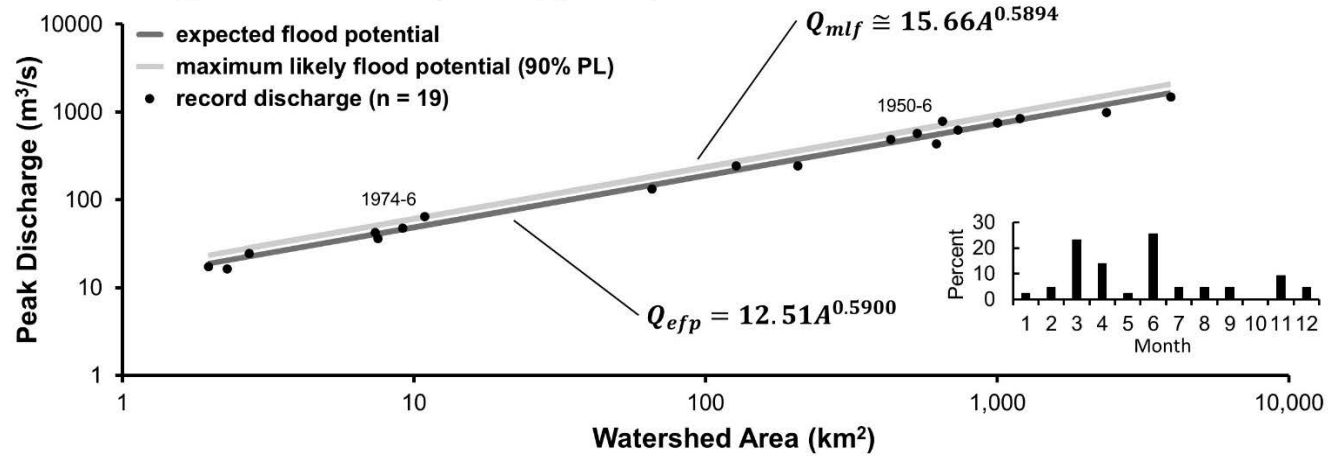
**Zone 71: Appalachian Plateaus ( $P_f = 25.6$ )**

$R^2 = 0.97$



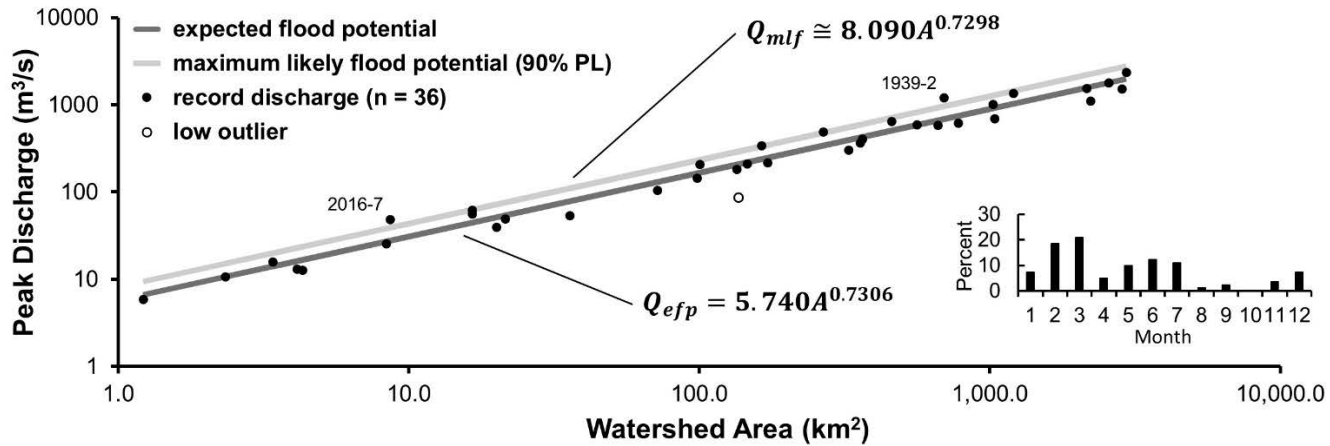
**Zone 71N: Appalachian Plateaus, North ( $P_f = 13.9$ )**

$R^2 = 0.989$



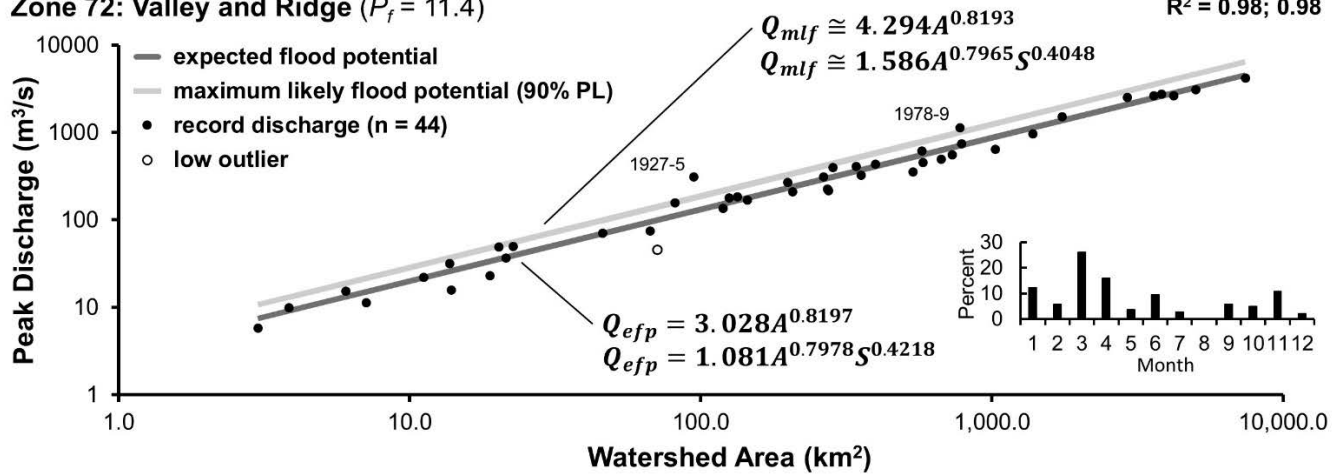
**Zone 71NW: Appalachian Plateaus, Northwest ( $P_f = 13.1$ )**

$R^2 = 0.98$



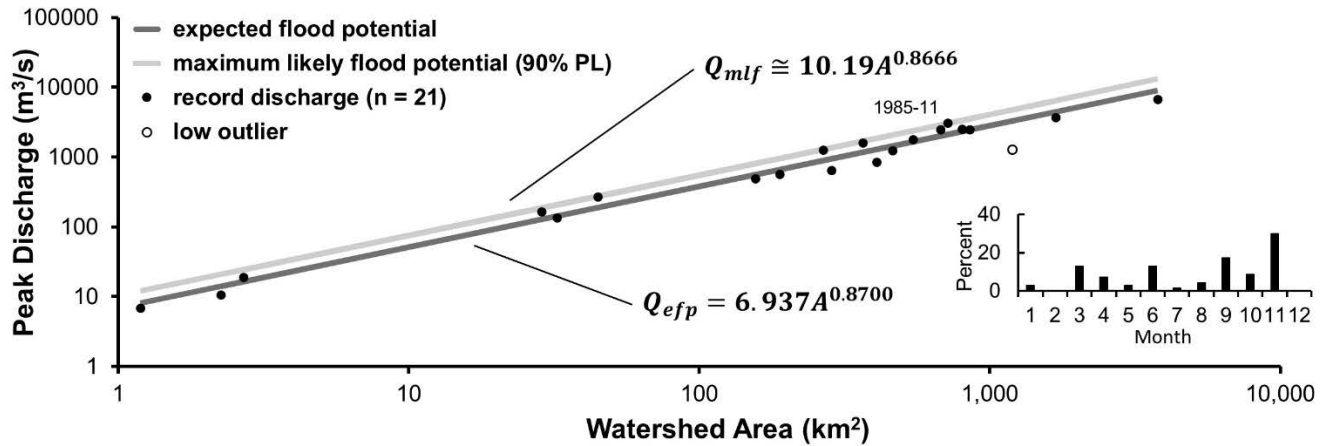
**Zone 72: Valley and Ridge ( $P_f = 11.4$ )**

$R^2 = 0.98; 0.98$



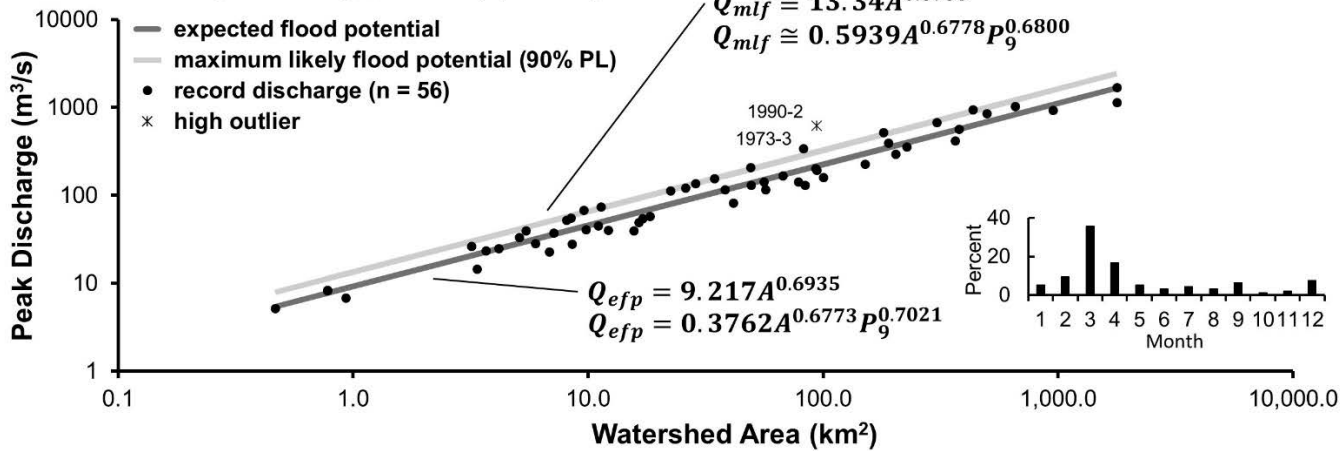
**Zone 72N: Valley and Ridge, North** ( $P_f = 34.8$ )

$R^2 = 0.98$



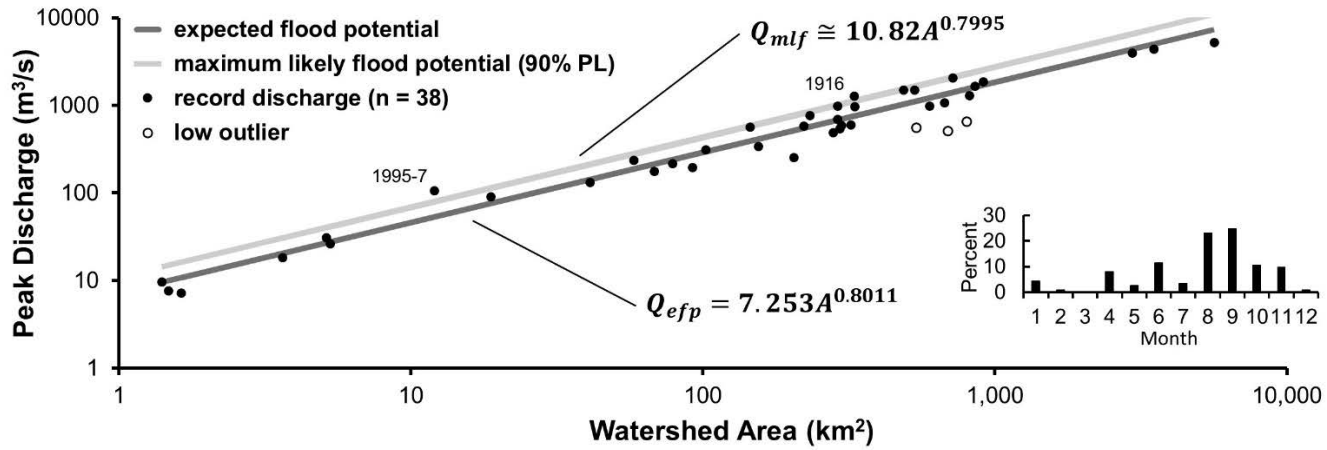
**Zone 72S: Valley and Ridge, South** ( $P_f = 17.3$ )

$R^2 = 0.96; 0.96$



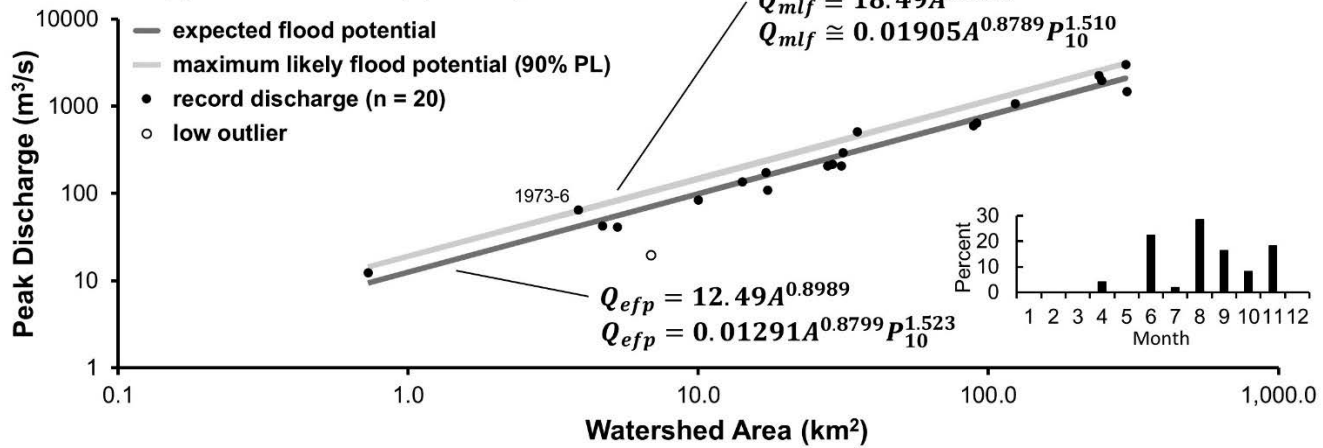
**Zone 73: Blue Ridge ( $P_f = 24.5$ )**

$R^2 = 0.97$



**Zone 73F: Appalachian Front ( $P_f = 74.3$ )**

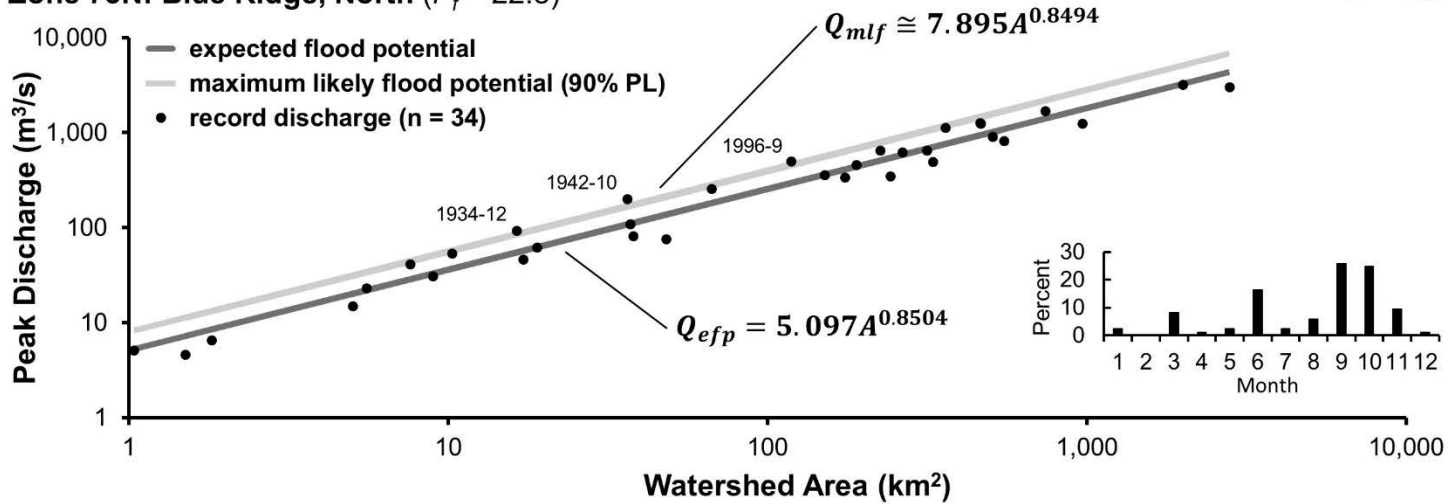
$R^2 = 0.97; 0.98$





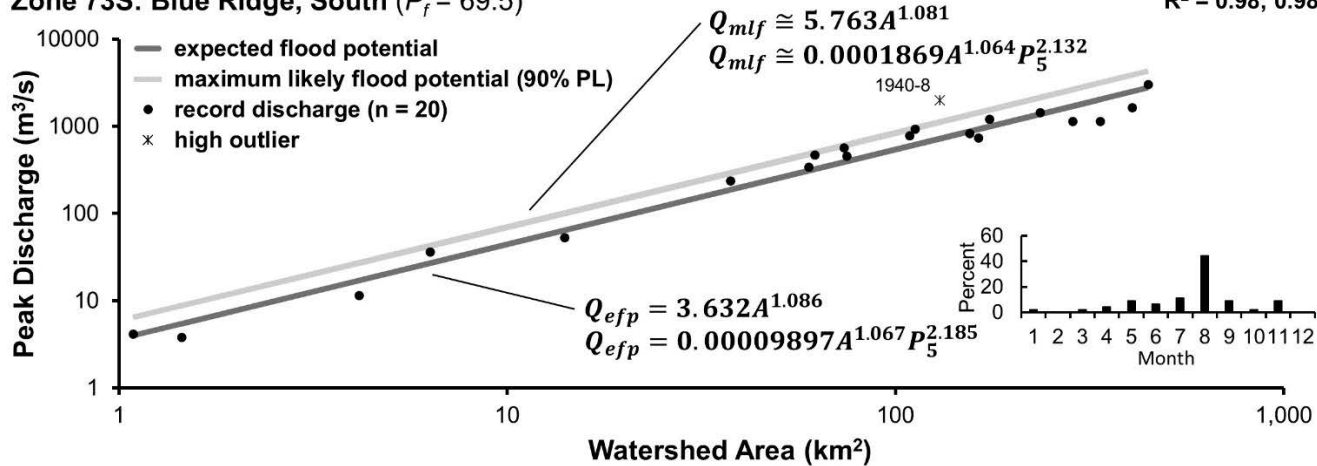
**Zone 73N: Blue Ridge, North ( $P_f = 22.8$ )**

$R^2 = 0.97$



**Zone 73S: Blue Ridge, South ( $P_f = 69.5$ )**

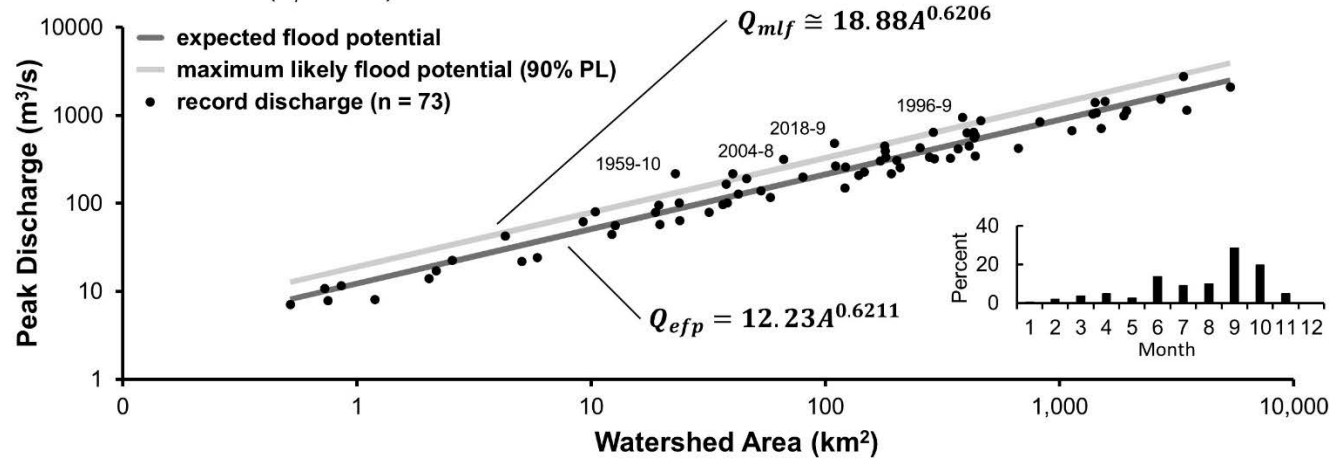
$R^2 = 0.98; 0.98$





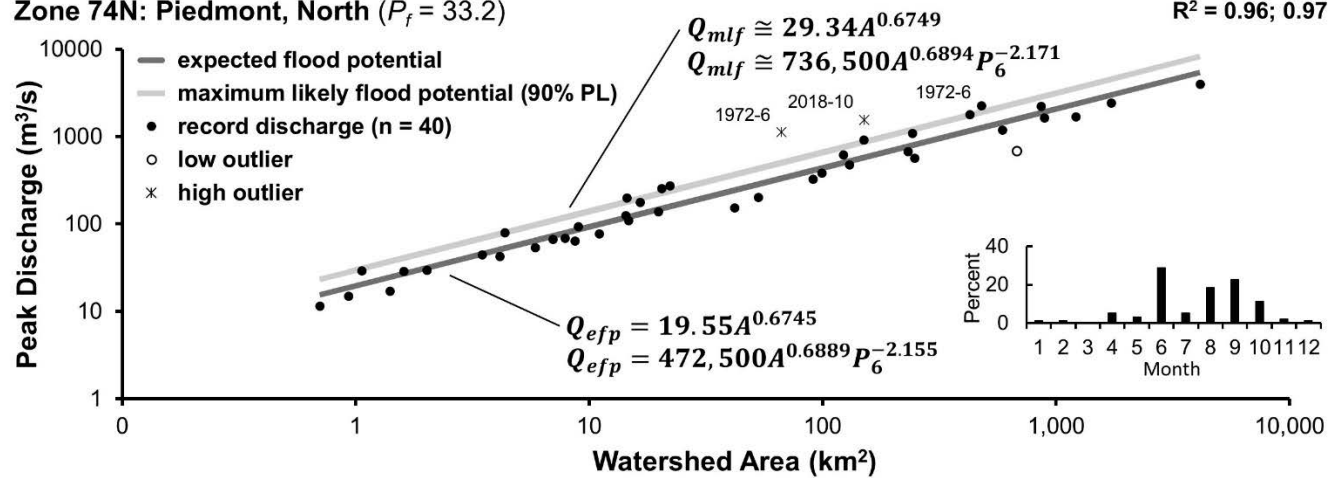
**Zone 74: Piedmont ( $P_f = 15.8$ )**

$R^2 = 0.95$



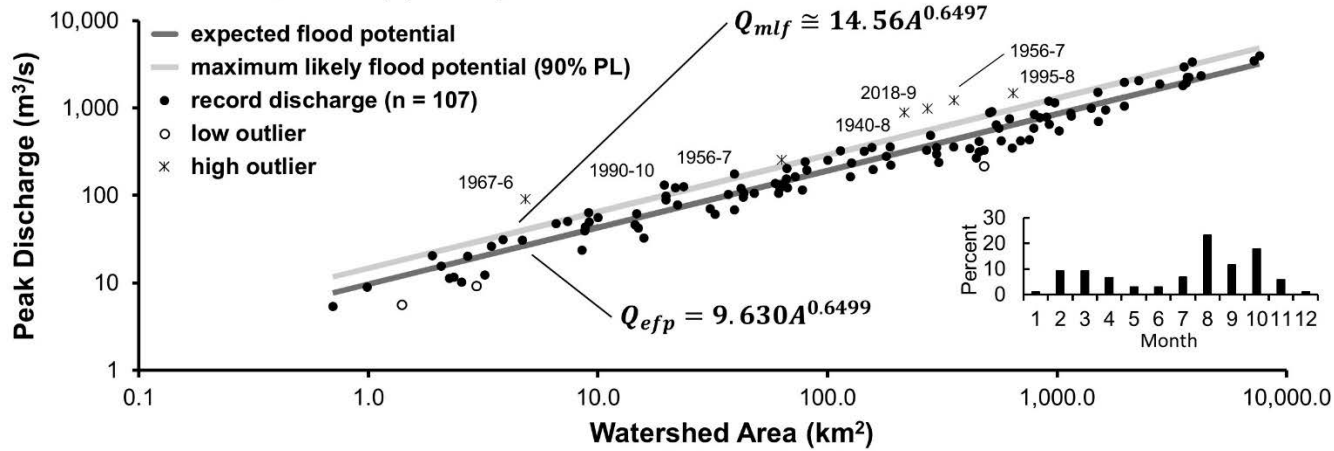
**Zone 74N: Piedmont, North ( $P_f = 33.2$ )**

$R^2 = 0.96; 0.97$



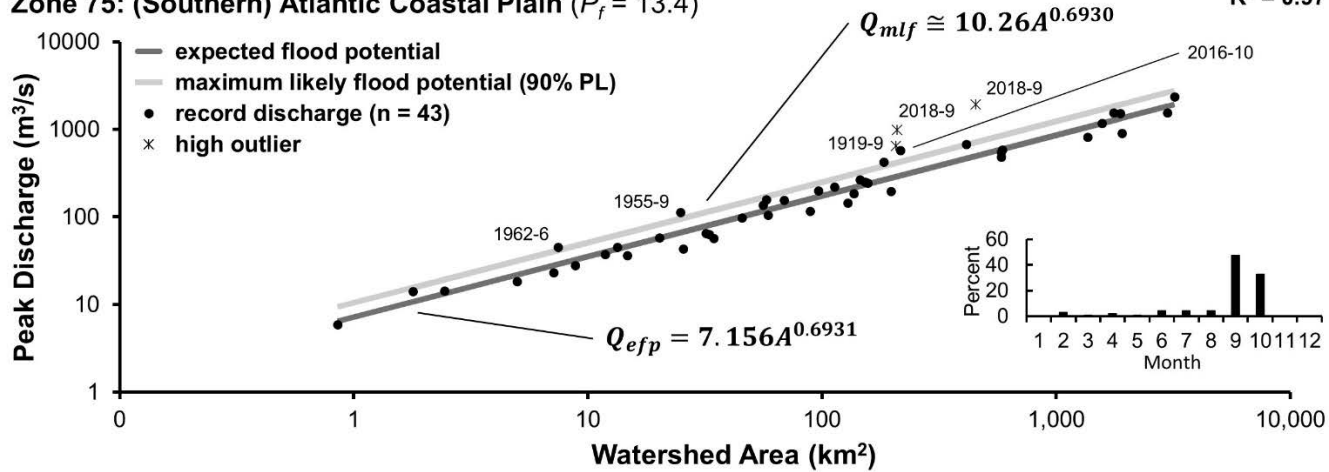
**Zone 74S: Piedmont, South ( $P_f = 14.4$ )**

$R^2 = 0.96$



**Zone 75: (Southern) Atlantic Coastal Plain ( $P_f = 13.4$ )**

$R^2 = 0.97$

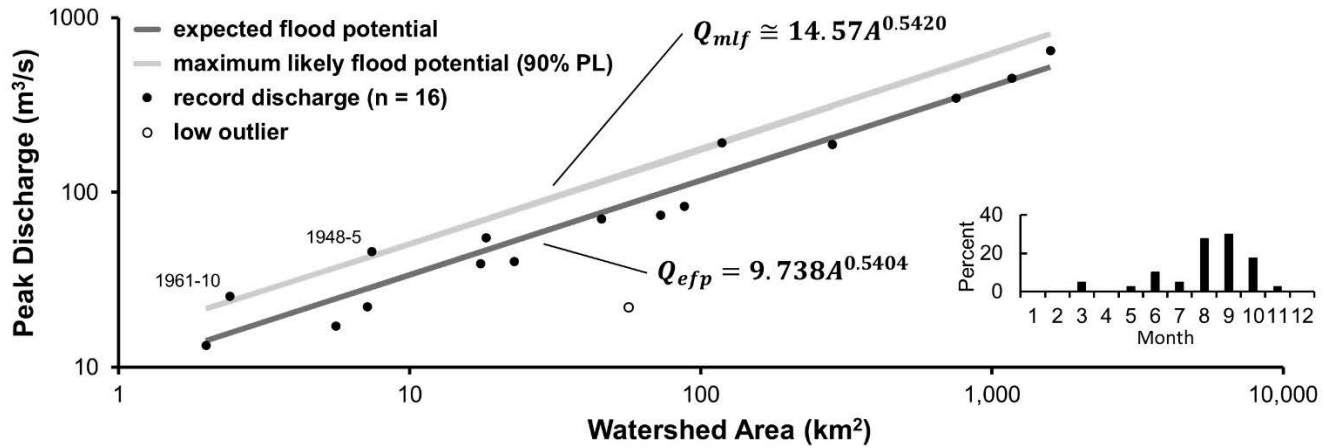


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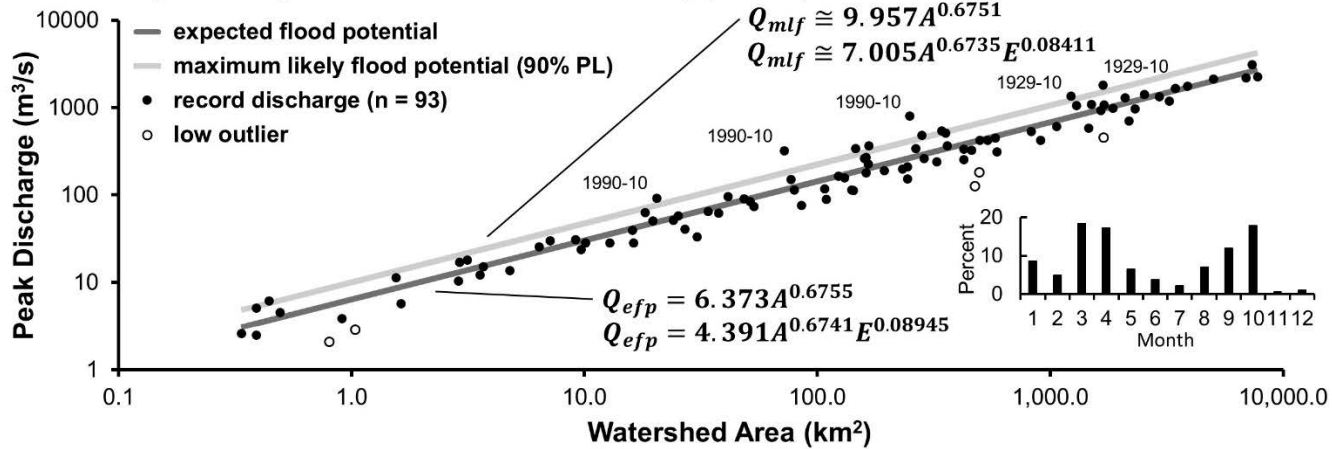
**Zone 75N: (Southern) Atlantic Coastal Plain, North ( $P_f = 8.5$ )**

$R^2 = 0.96$



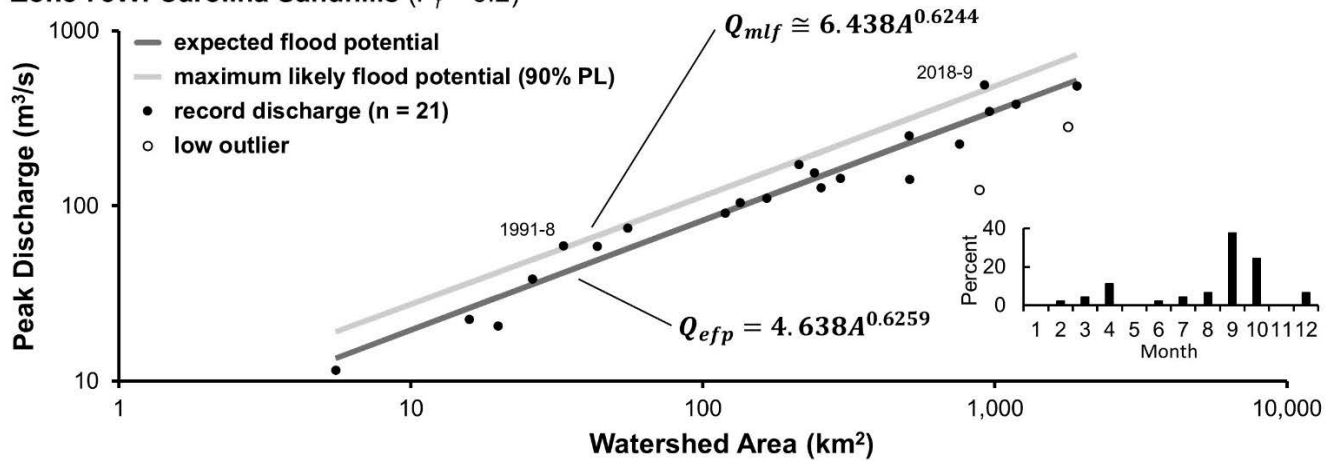
**Zone 75S: (Southern) Atlantic Coastal Plain, South ( $P_f = 10.9$ )**

$R^2 = 0.96; 0.96$



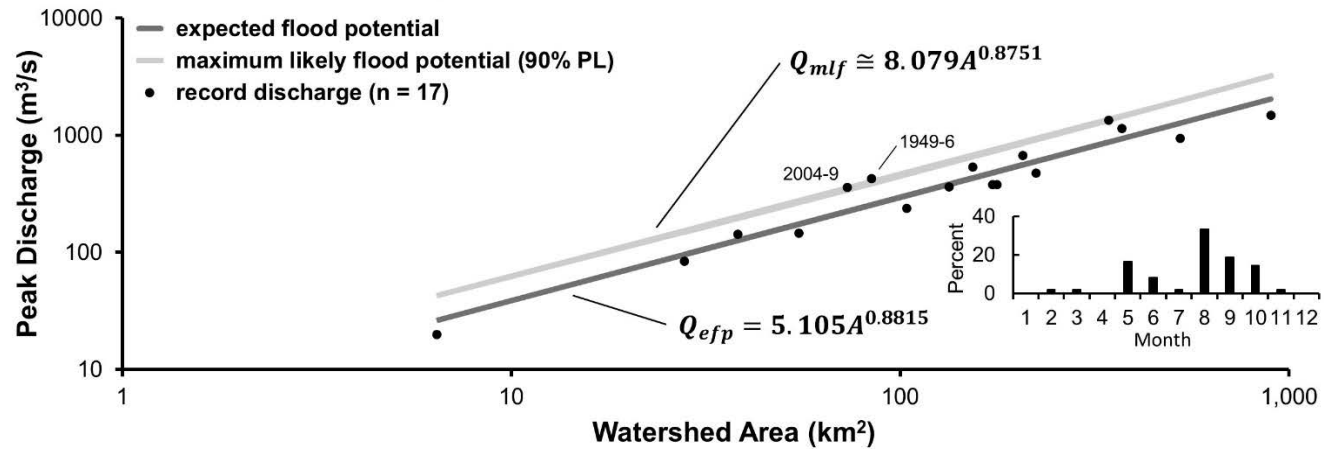
**Zone 75W: Carolina Sandhills ( $P_f = 6.2$ )**

$R^2 = 0.95$



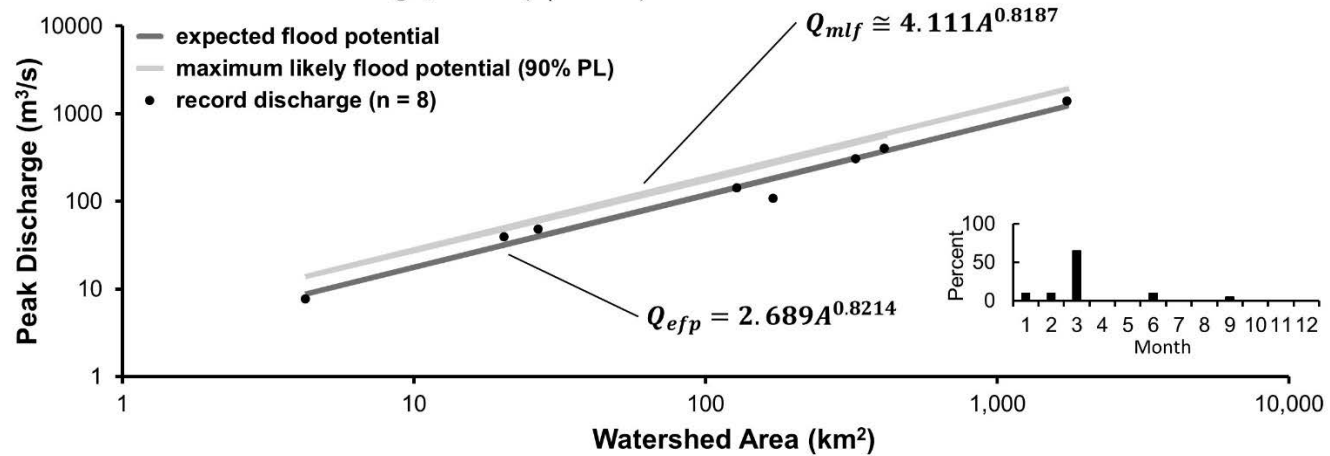
**Zone 76: Southern Blue Ridge ( $P_f = 27.4$ )**

$R^2 = 0.92$



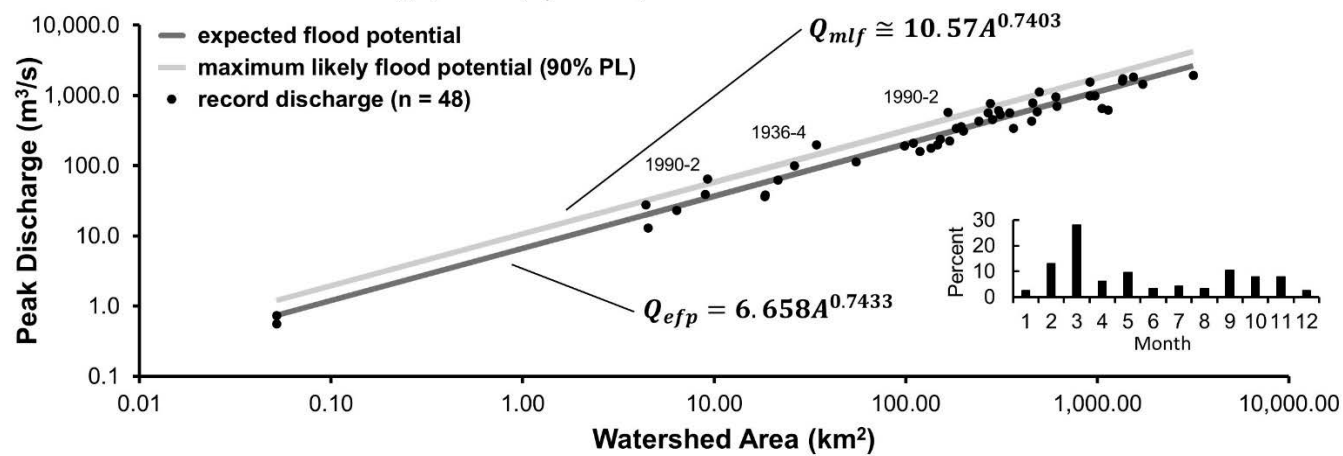
**Zone 76N: Southern Blue Ridge, North ( $P_f = 10.2$ )**

$R^2 = 0.97$



**Zone 76W: Southern Blue Ridge, West ( $P_f = 16.3$ )**

$R^2 = 0.96$

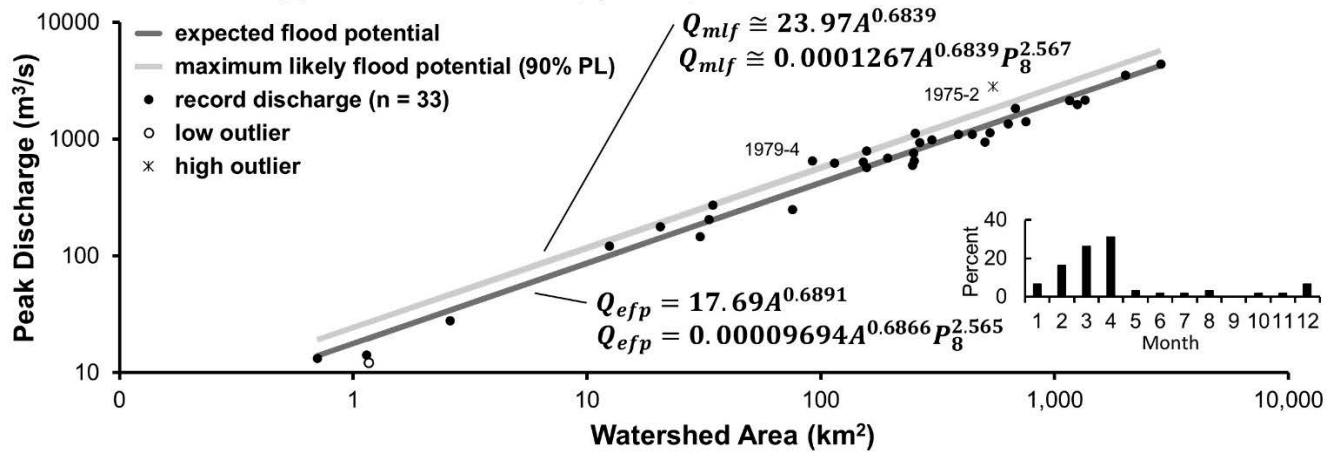


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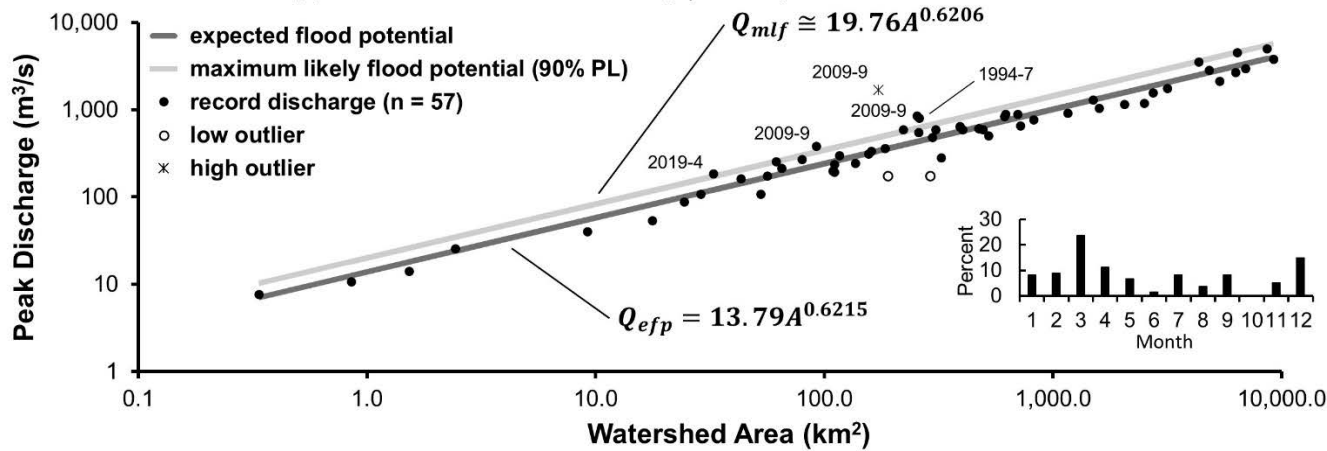
**Zone 77: Southern Appalachian Transition ( $P_f = 32.5$ )**

$R^2 = 0.98; 0.98$

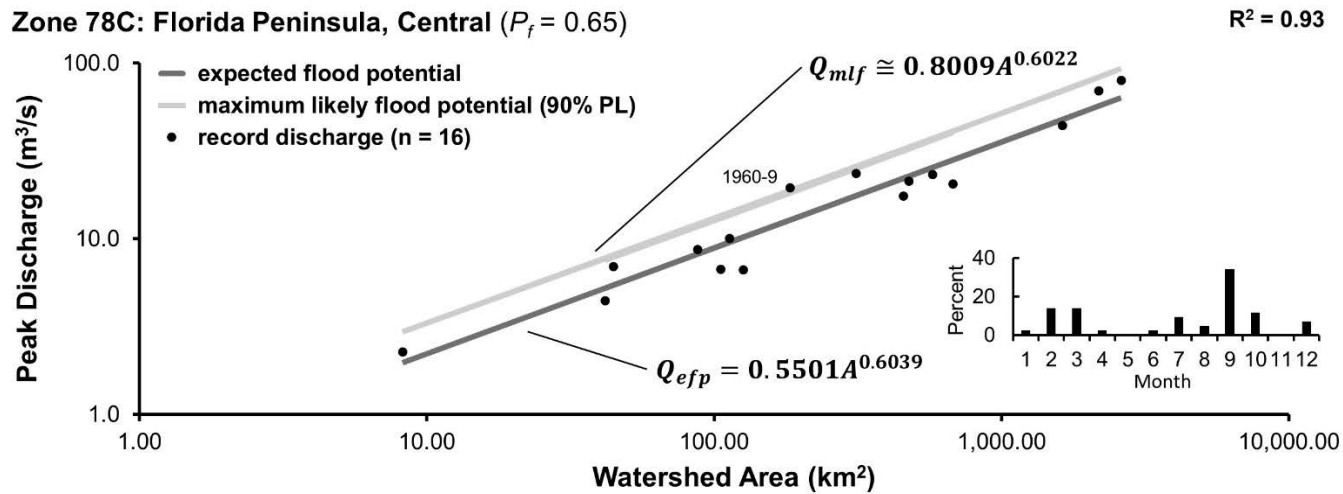
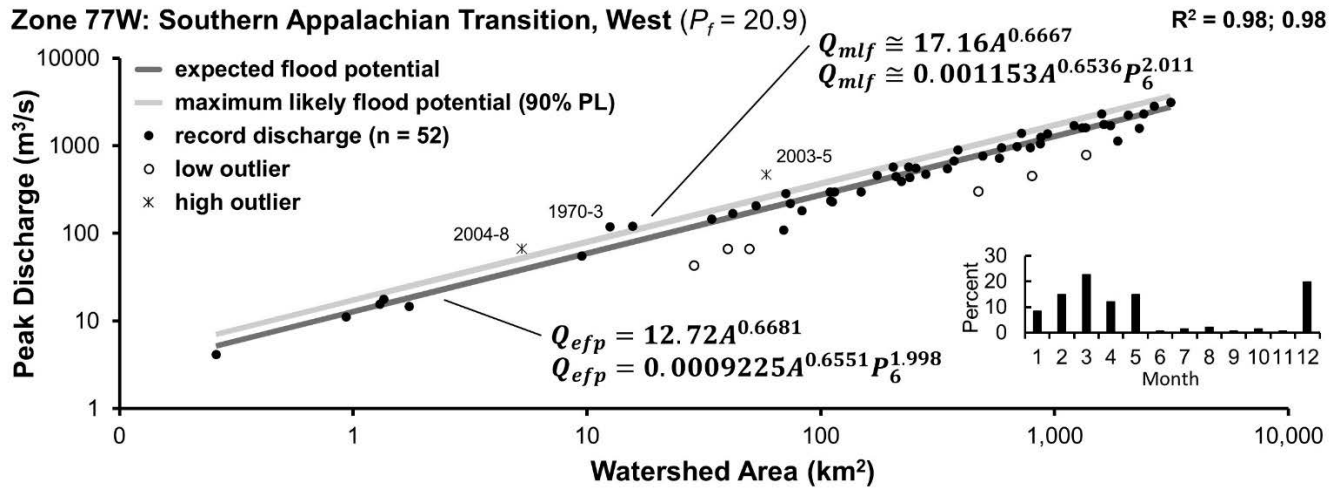


**Zone 77E: Southern Appalachian Transition, East ( $P_f = 17.9$ )**

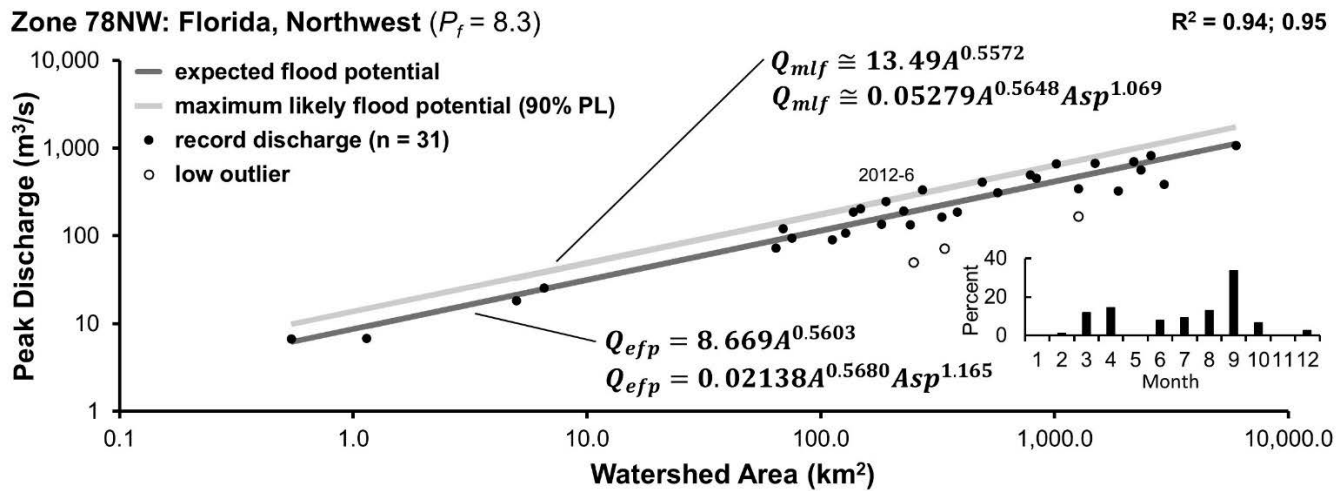
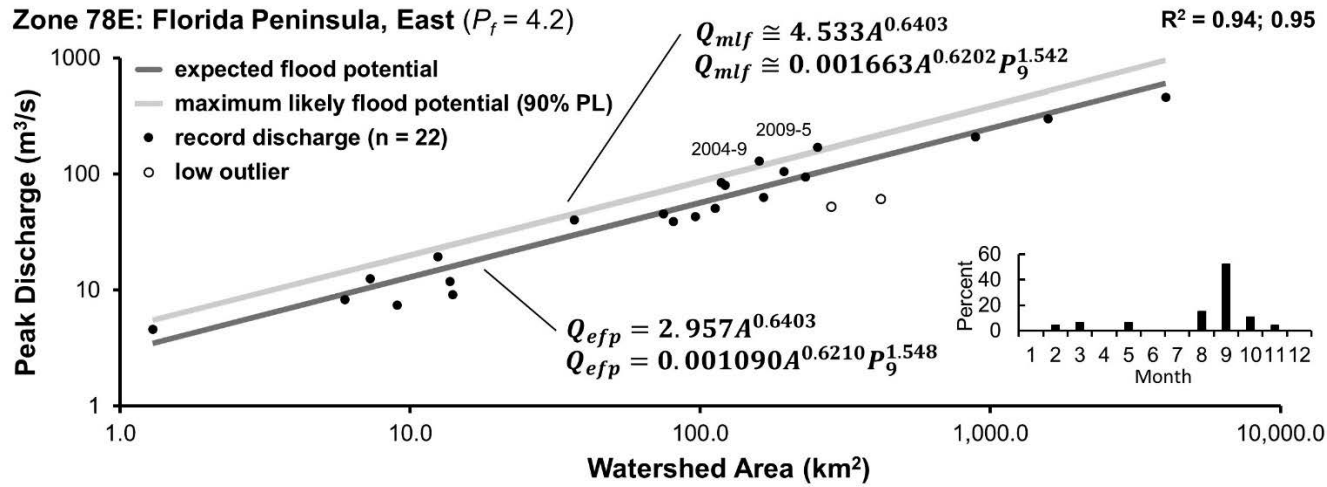
$R^2 = 0.97$



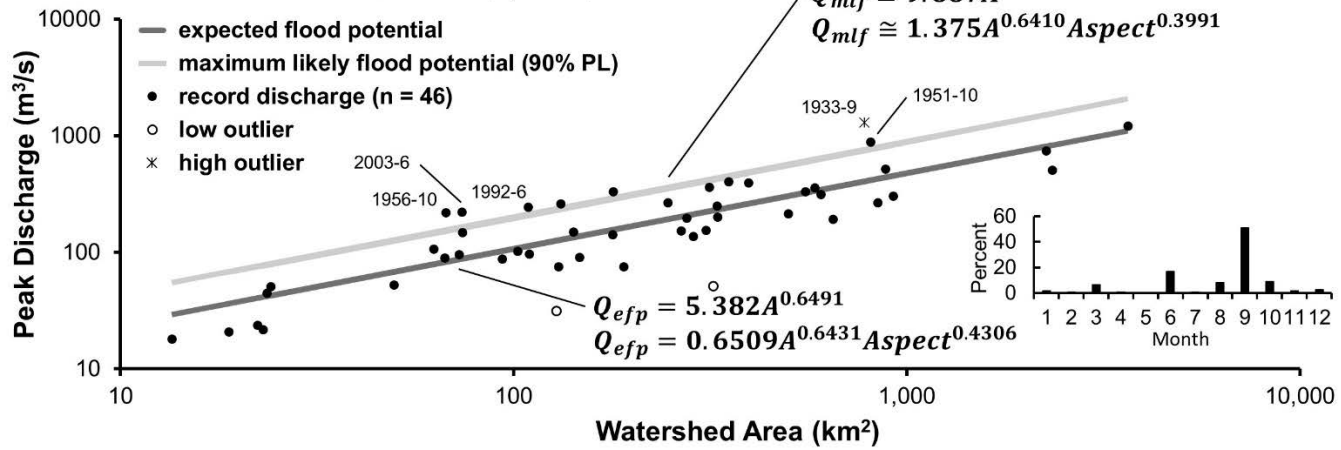




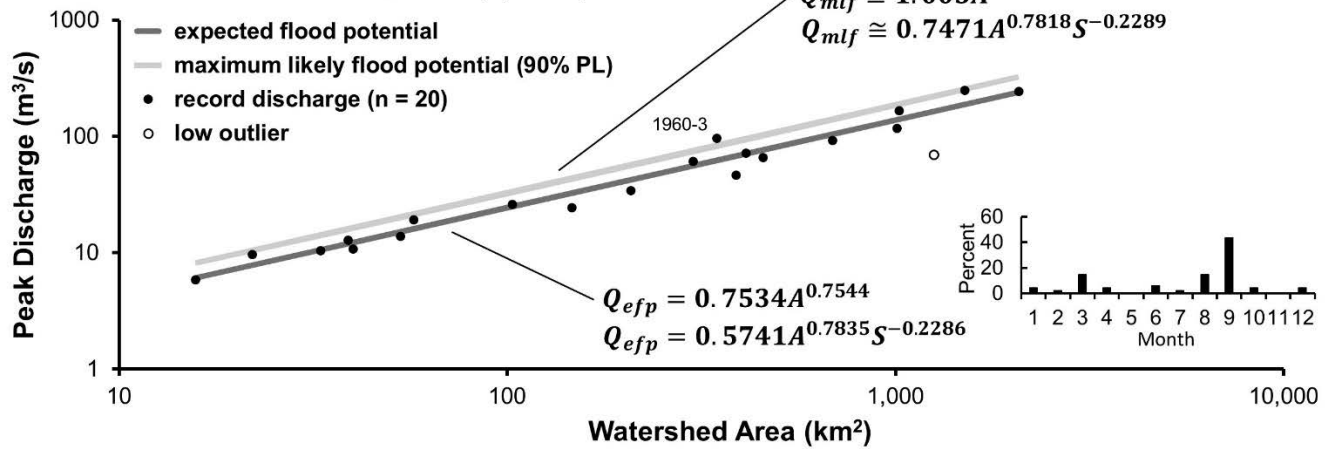


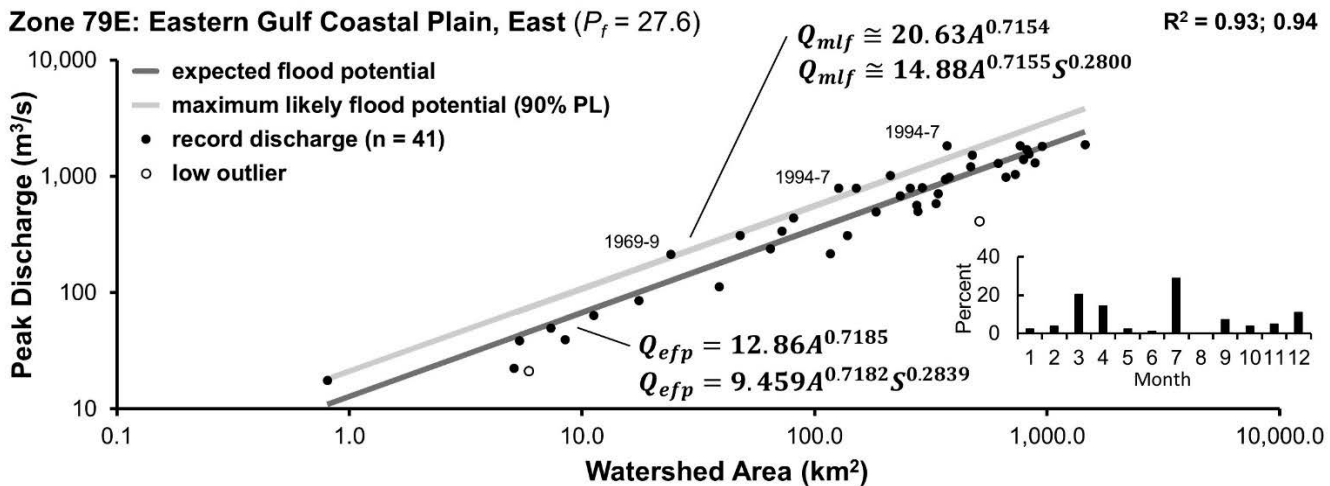
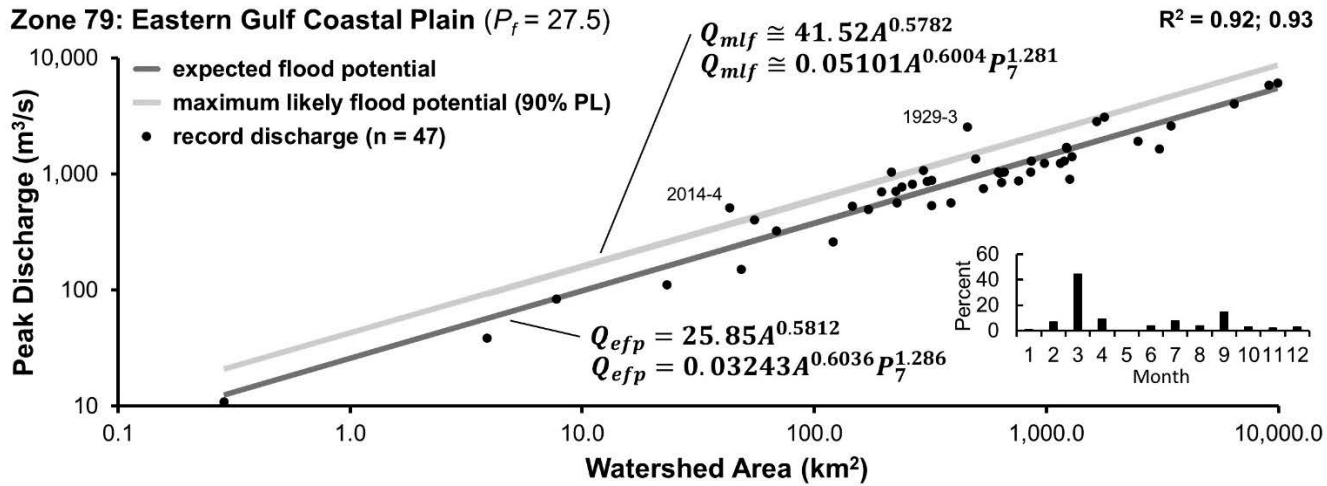


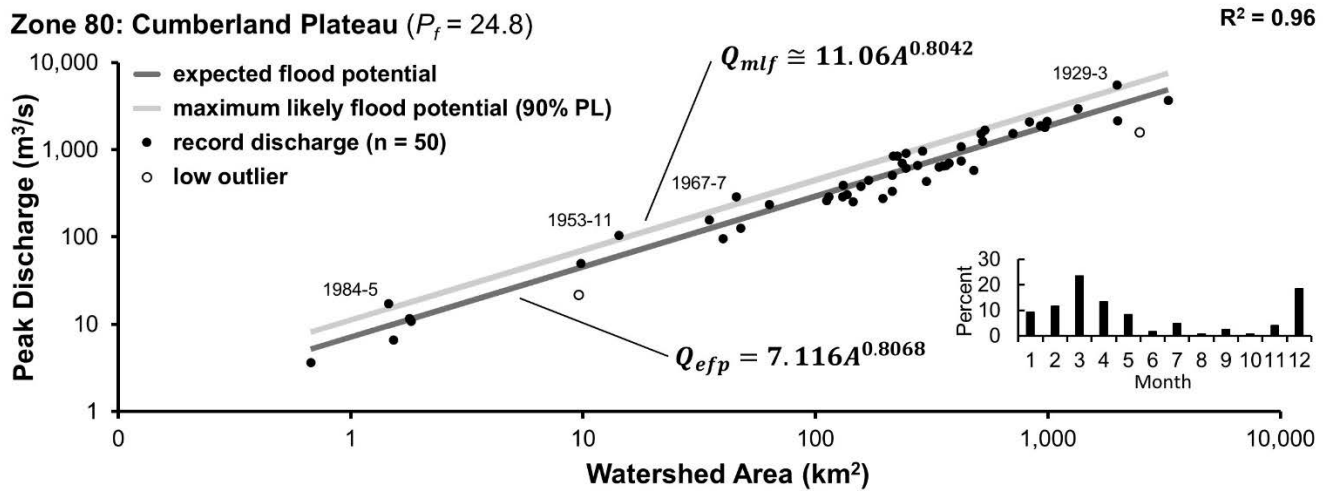
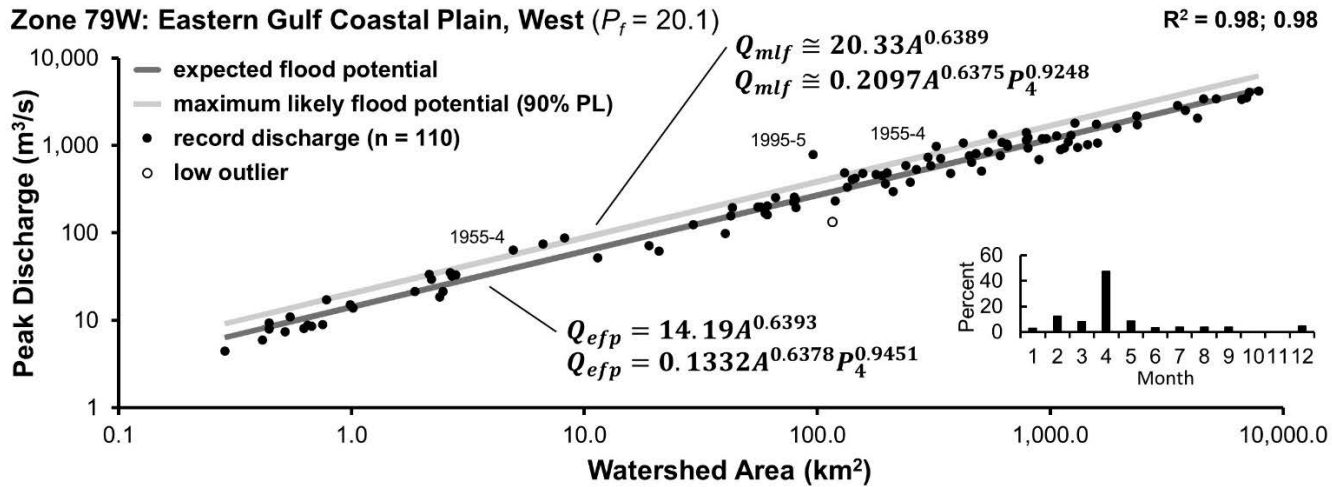
**Zone 78S: Florida Peninsula, South ( $P_f = 8.0$ )**



**Zone 78W: Florida Peninsula, West ( $P_f = 2.0$ )**

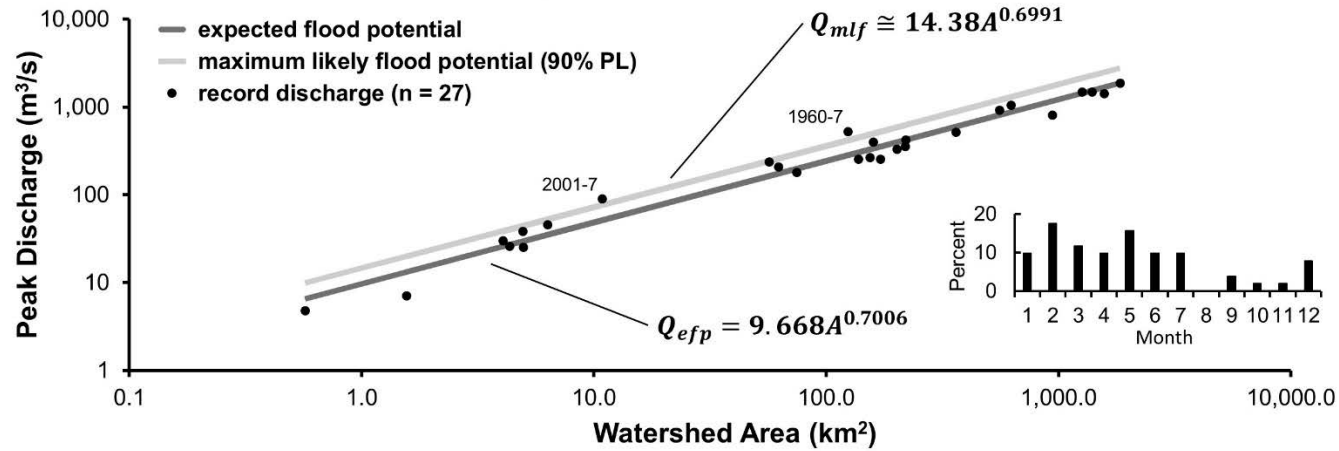






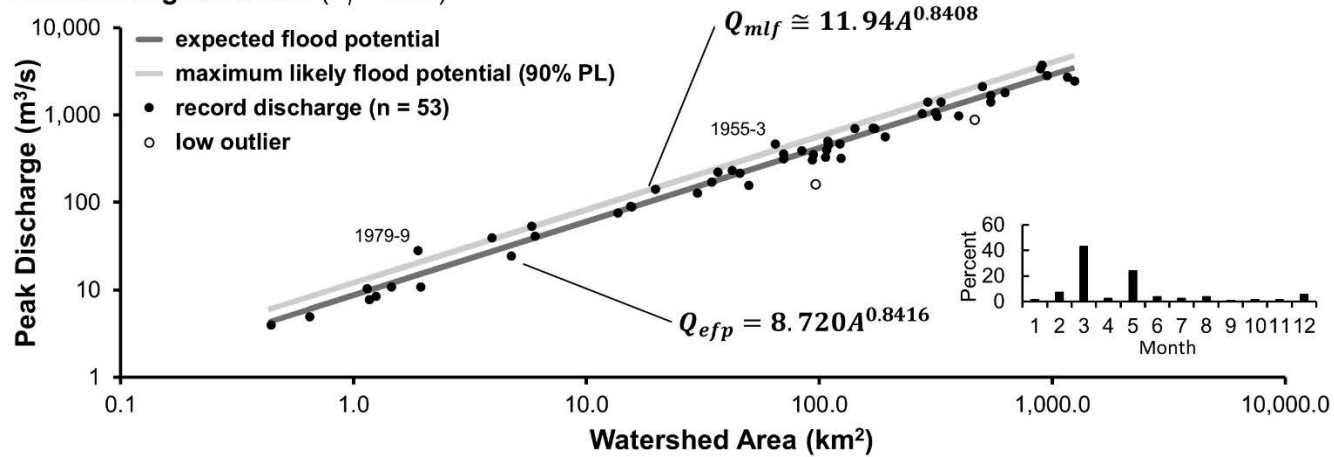
**Zone 80N: Cumberland Plateau, North ( $P_f = 18.8$ )**

$R^2 = 0.97$



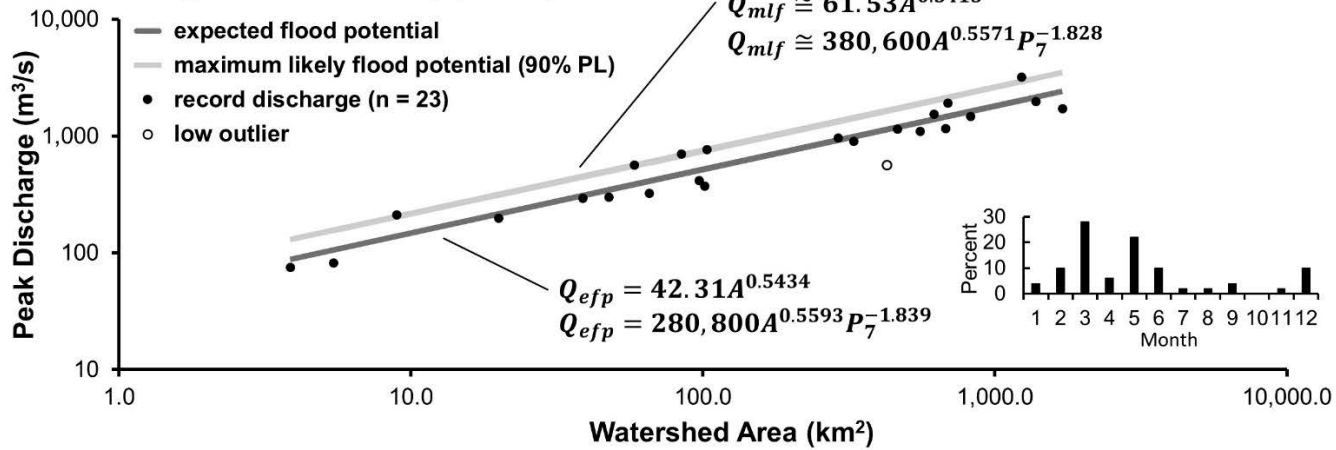
**Zone 81: Highland Rim ( $P_f = 37.1$ )**

$R^2 = 0.98$



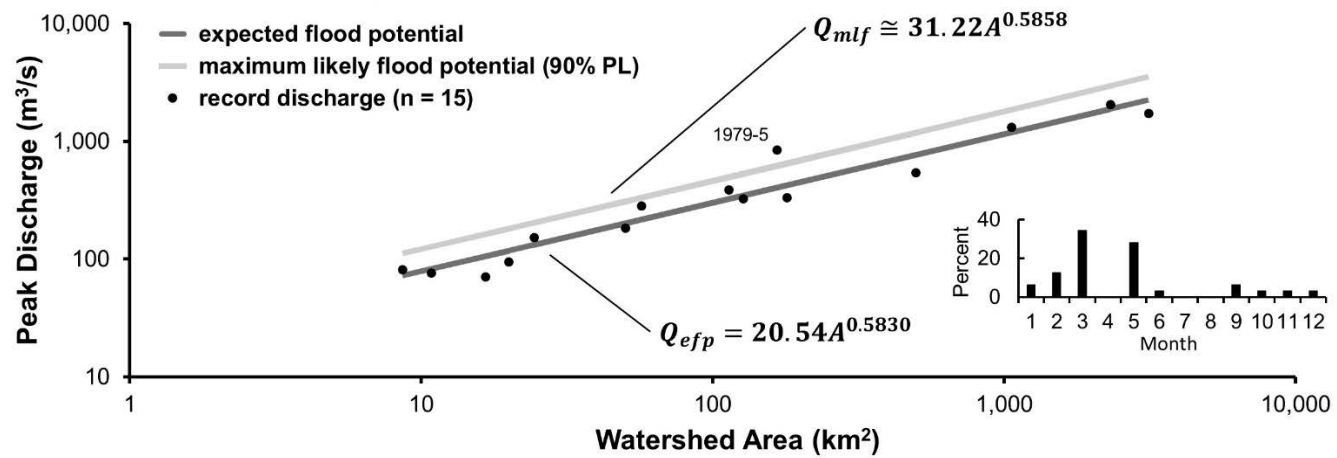
**Zone 81N: Highland Rim, North ( $P_f = 37.5$ )**

$R^2 = 0.93; 0.94$



**Zone 82: Nashville Basin ( $P_f = 22.0$ )**

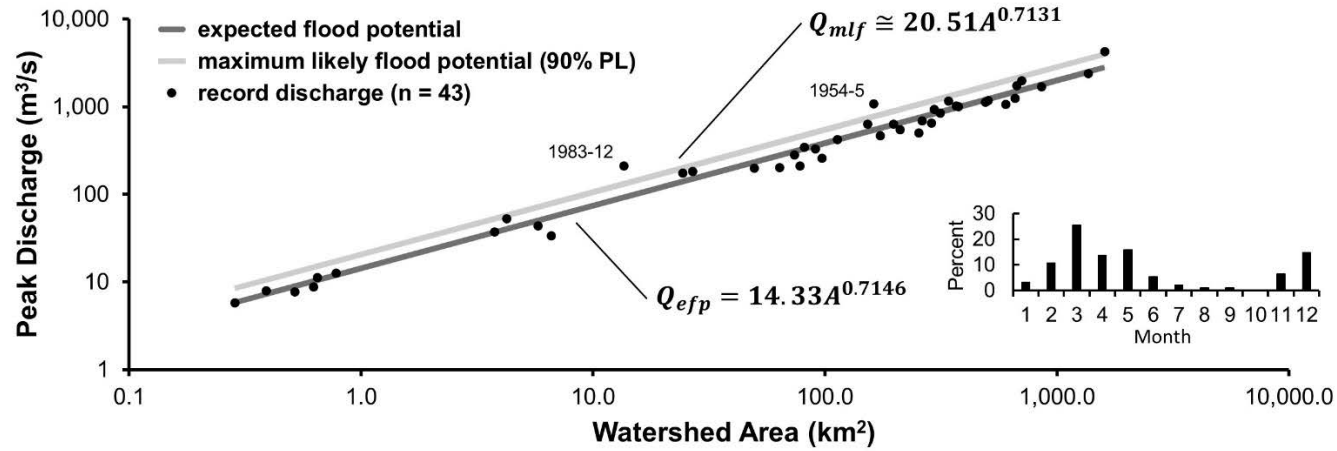
$R^2 = 0.93$





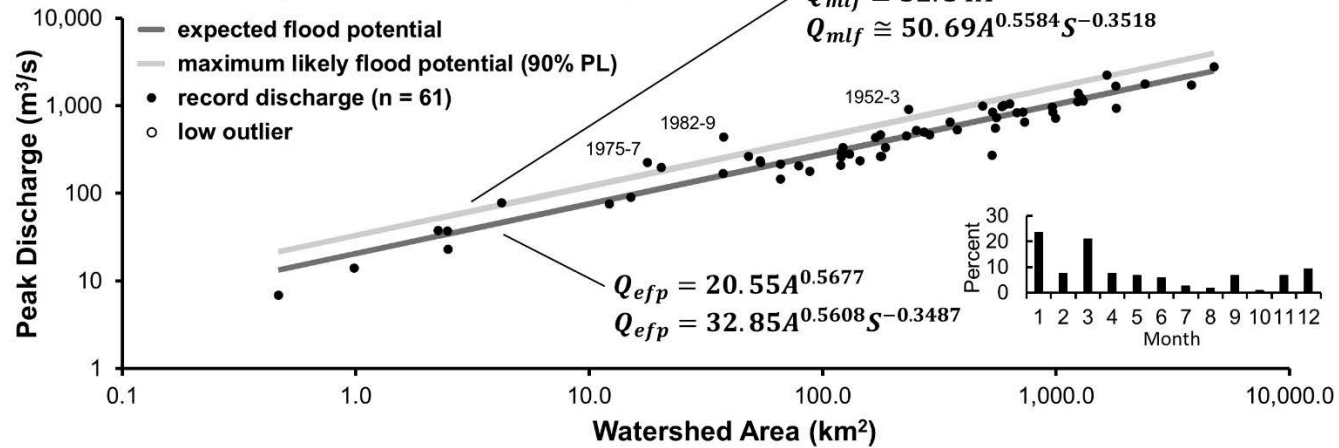
**Zone 83: Mississippi River Transition ( $P_f = 30.1$ )**

$R^2 = 0.98$



**Zone 83N: Mississippi River Transition, North ( $P_f = 20.5$ )**

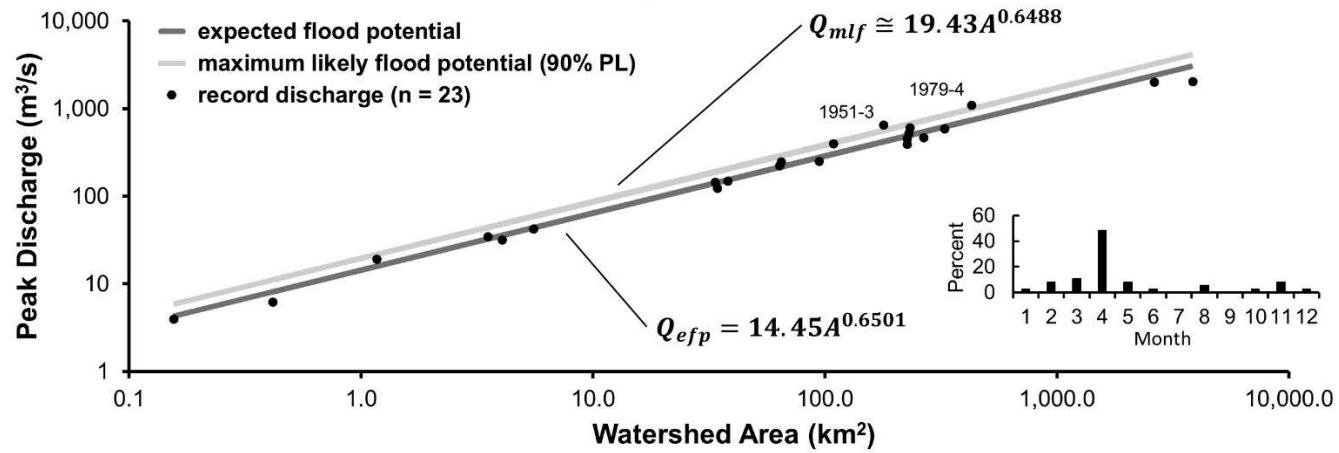
$R^2 = 0.92; 0.93$





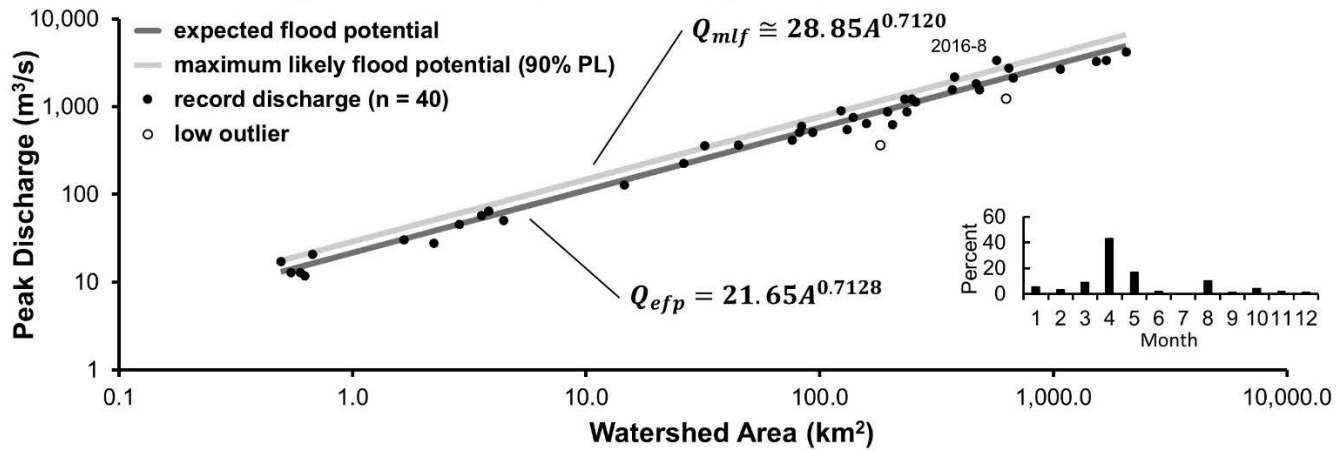
**Zone 83S: Mississippi River Transition, South ( $P_f = 21.7$ )**

$R^2 = 0.98$



**Zone 83SW: Mississippi River Transition, Southeast ( $P_f = 45.0$ )**

$R^2 = 0.99$

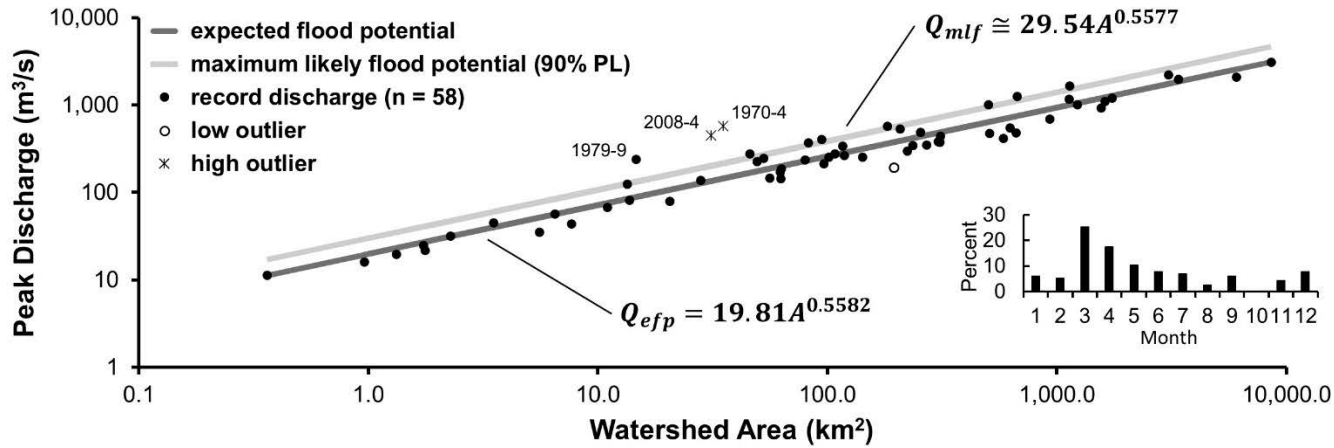


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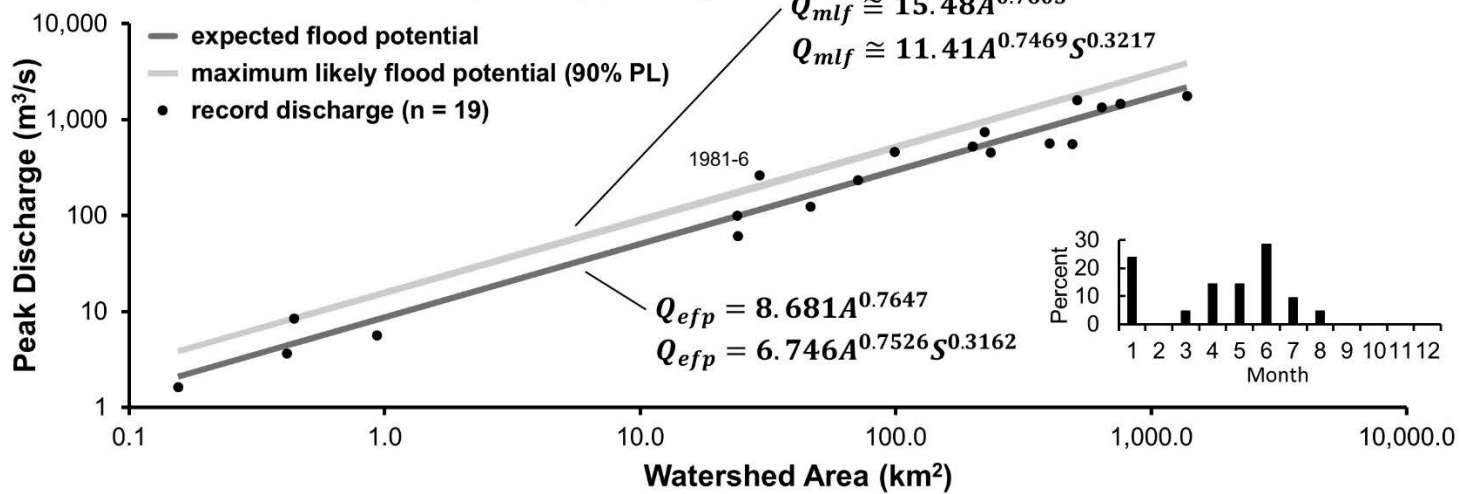
**Zone 84: Ohio River Transition ( $P_f = 18.8$ )**

$R^2 = 0.95$



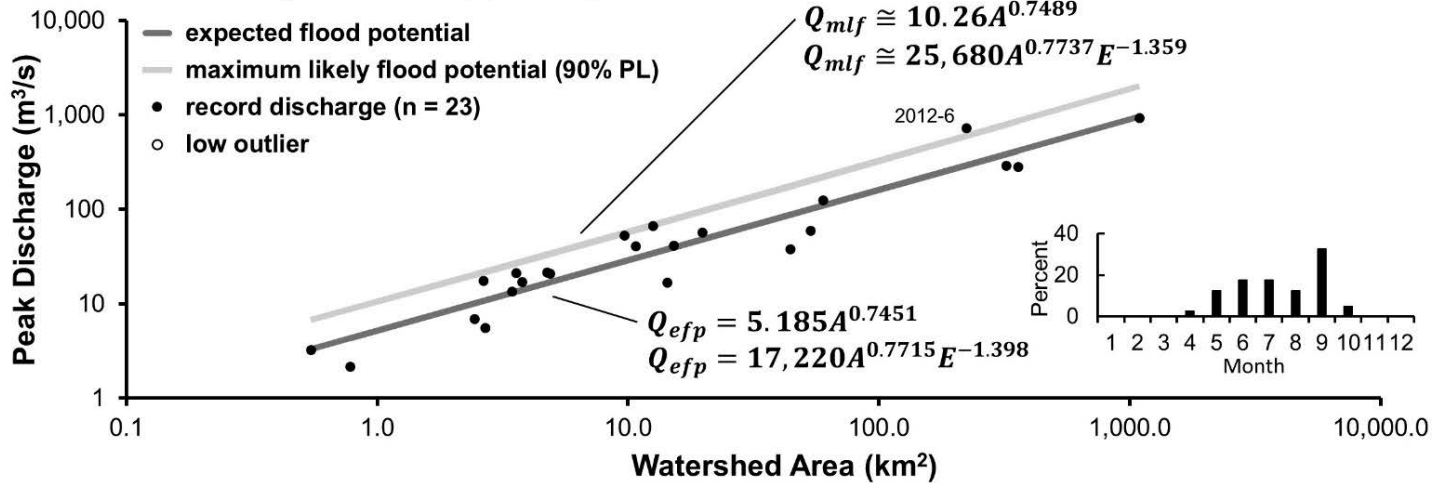
**Zone 84N: Ohio River Transition, North ( $P_f = 23.9$ )**

$R^2 = 0.97; 0.97$



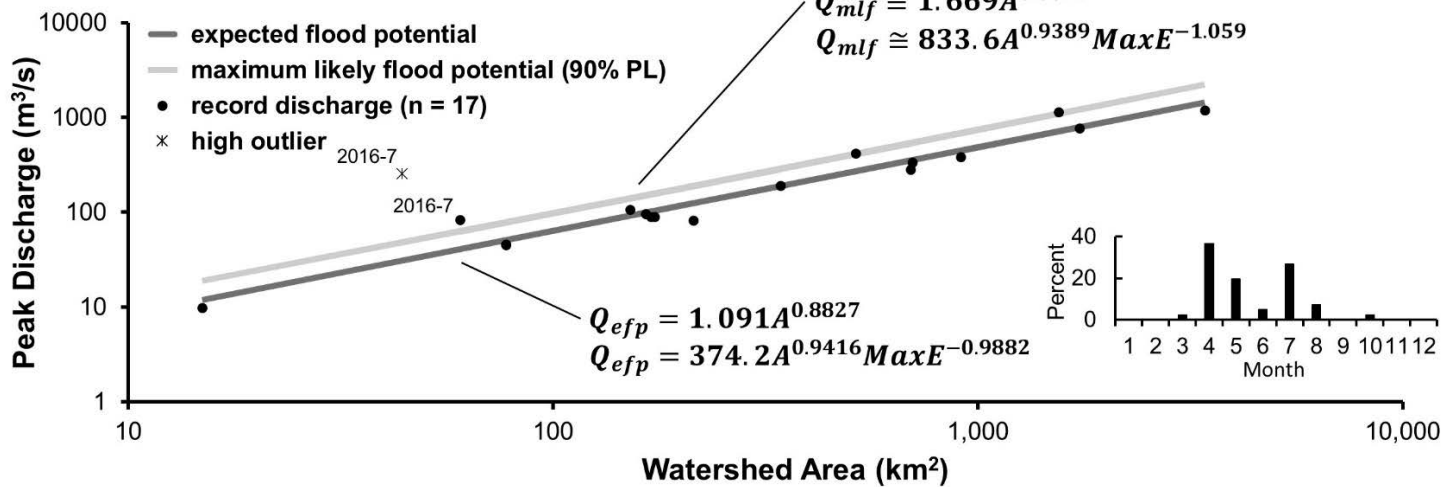
**Zone 85W: Lake Superior, West ( $P_f = 12.8$ )**

$R^2 = 0.90; 0.92$

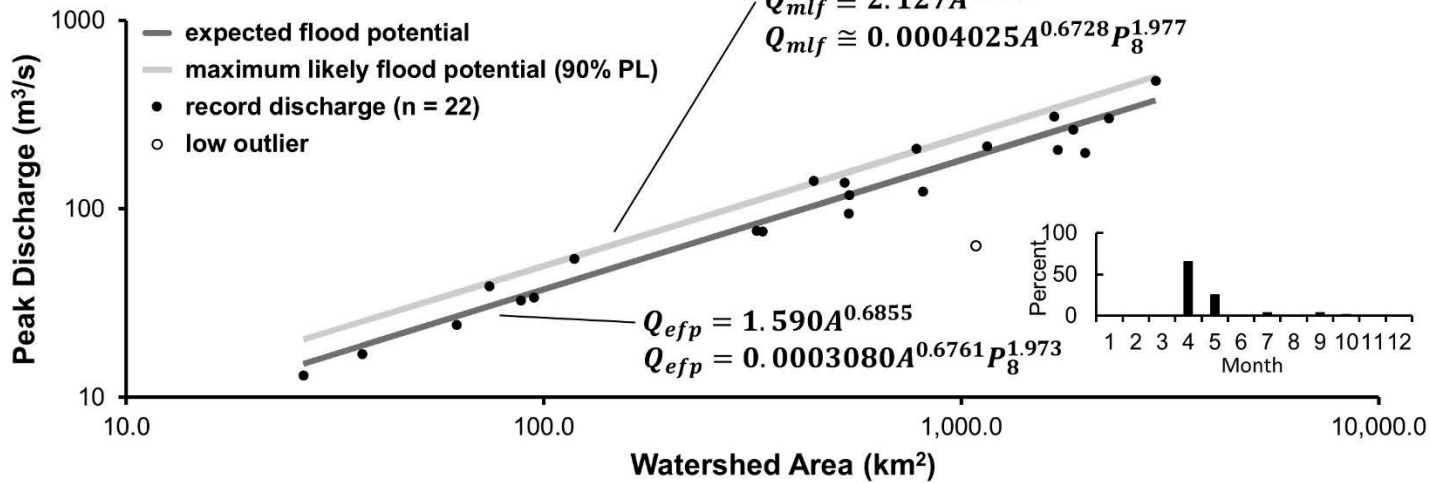


**Zone 85: Lake Superior ( $P_f = 5.9$ )**

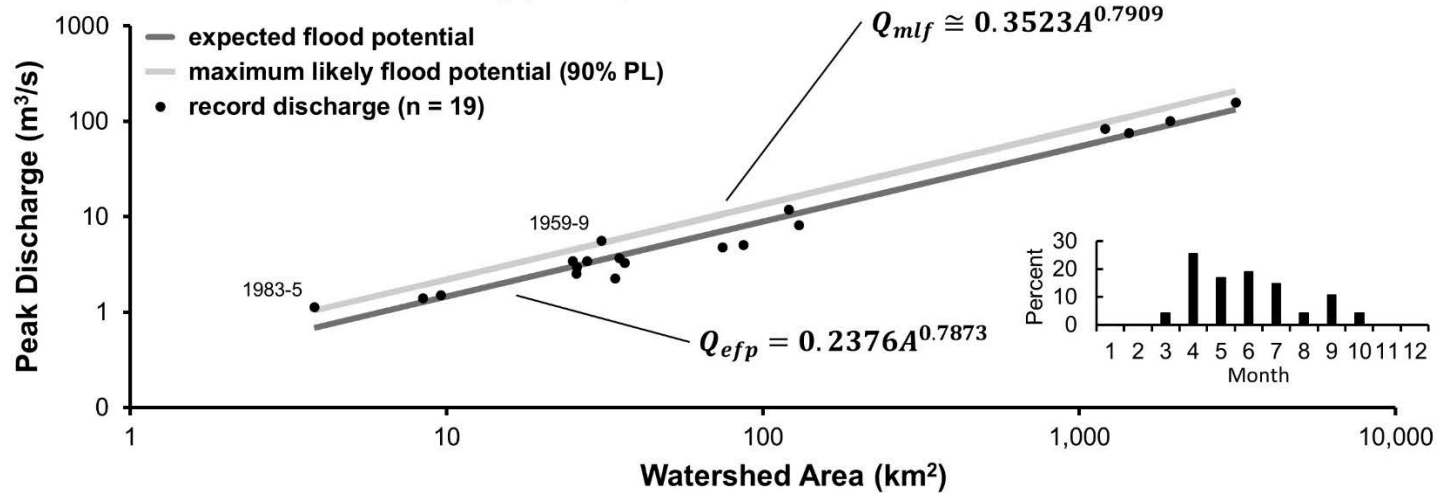
$R^2 = 0.95; 0.97$



**Zone 85E: Lake Superior, East ( $P_f = 2.9$ )**

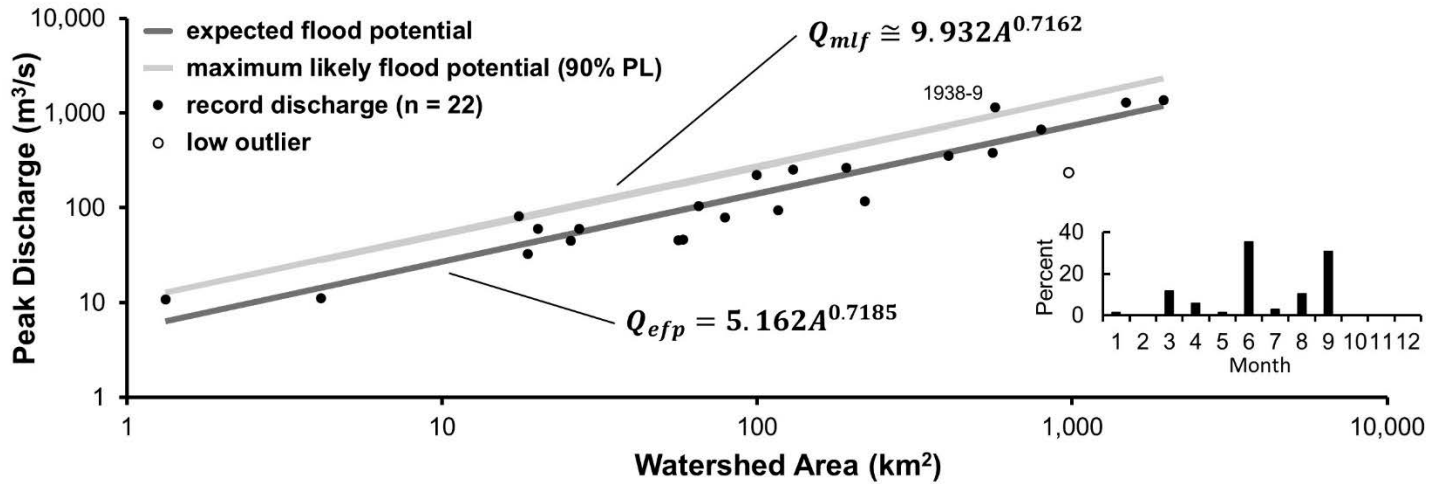


**Zone 86N: Wisconsin Headwaters ( $P_f = 0.74$ )**



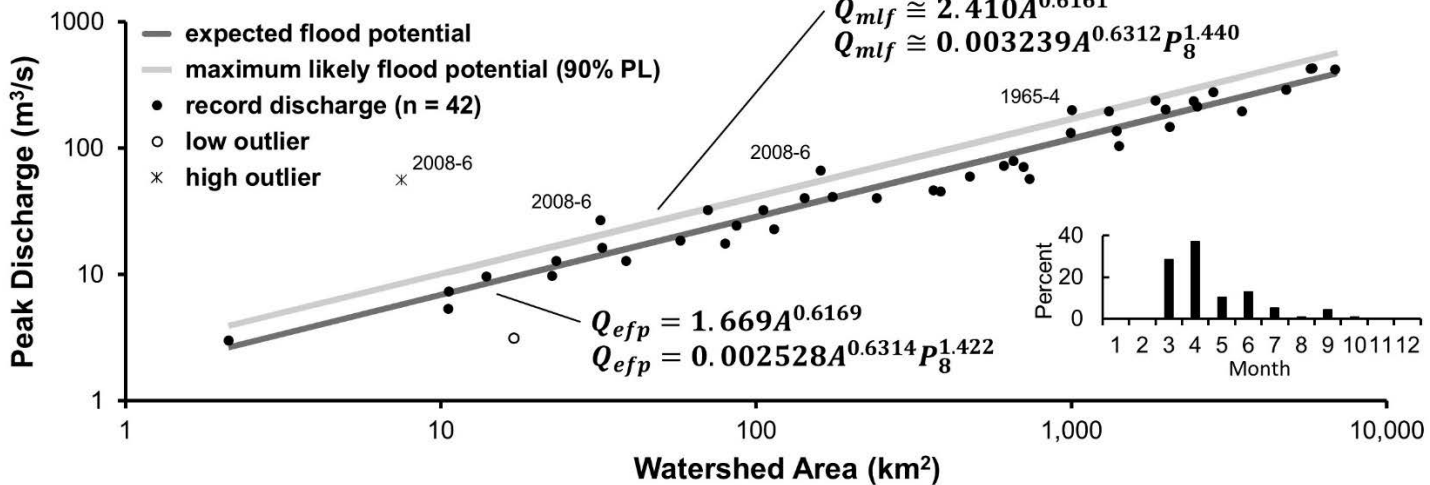
**Zone 86: Wisconsin ( $P_f = 11.1$ )**

$R^2 = 0.89$

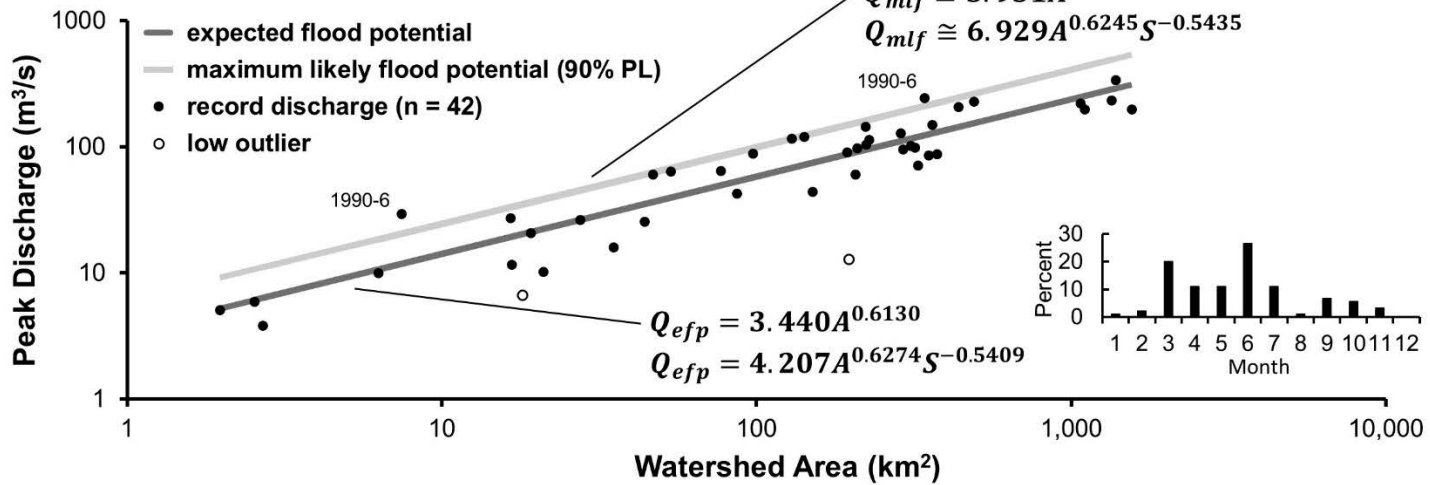


**Zone 87N: Lake Michigan, North ( $P_f = 2.1$ )**

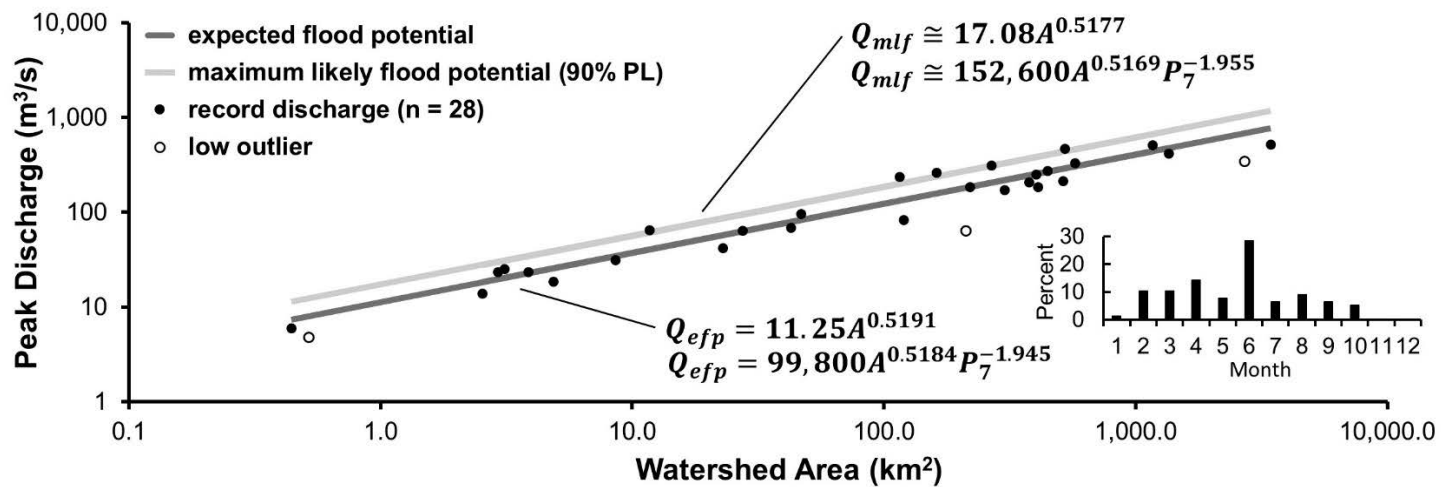
$R^2 = 0.96; 0.97$



**Zone 87S: Lake Michigan, South ( $P_f = 4.3$ )**



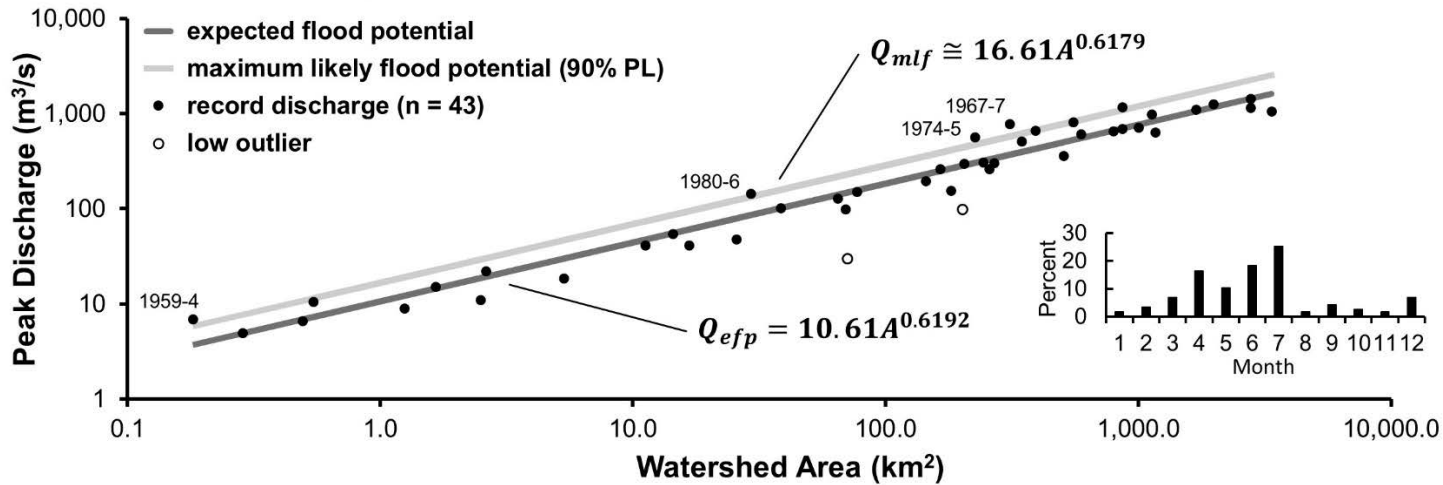
**Zone 88N: Northern Illinois and Southern Wisconsin ( $P_f = 8.9$ )**





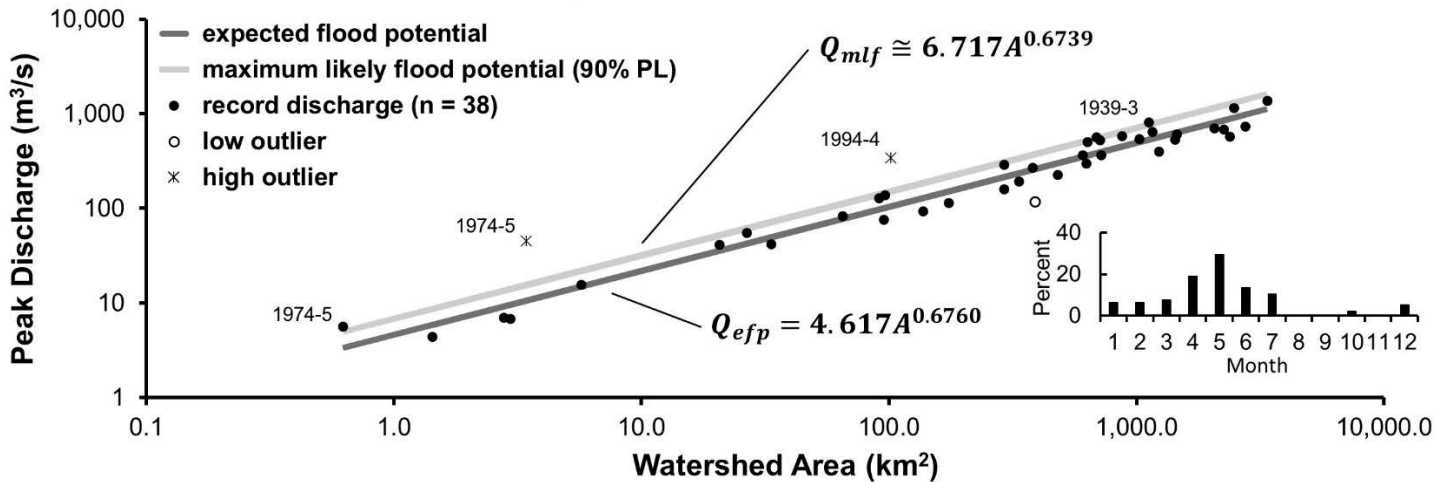
**Zone 88: Illinois Basin ( $P_f = 13.6$ )**

$R^2 = 0.96$



**Zone 88E: Central Illinois and Indiana ( $P_f = 7.9$ )**

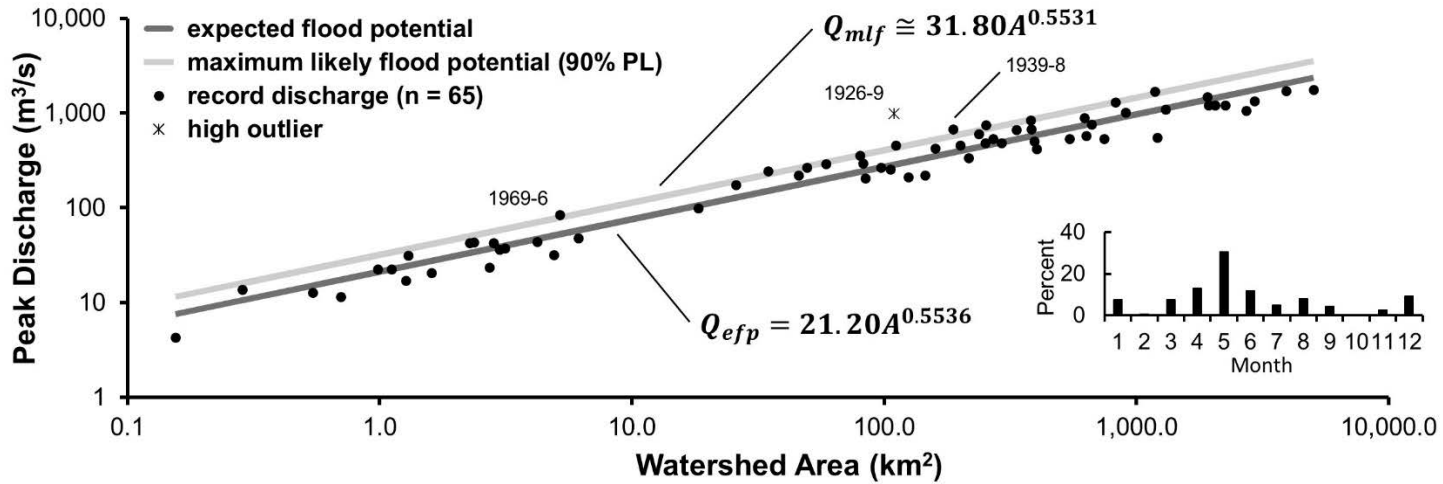
$R^2 = 0.97$





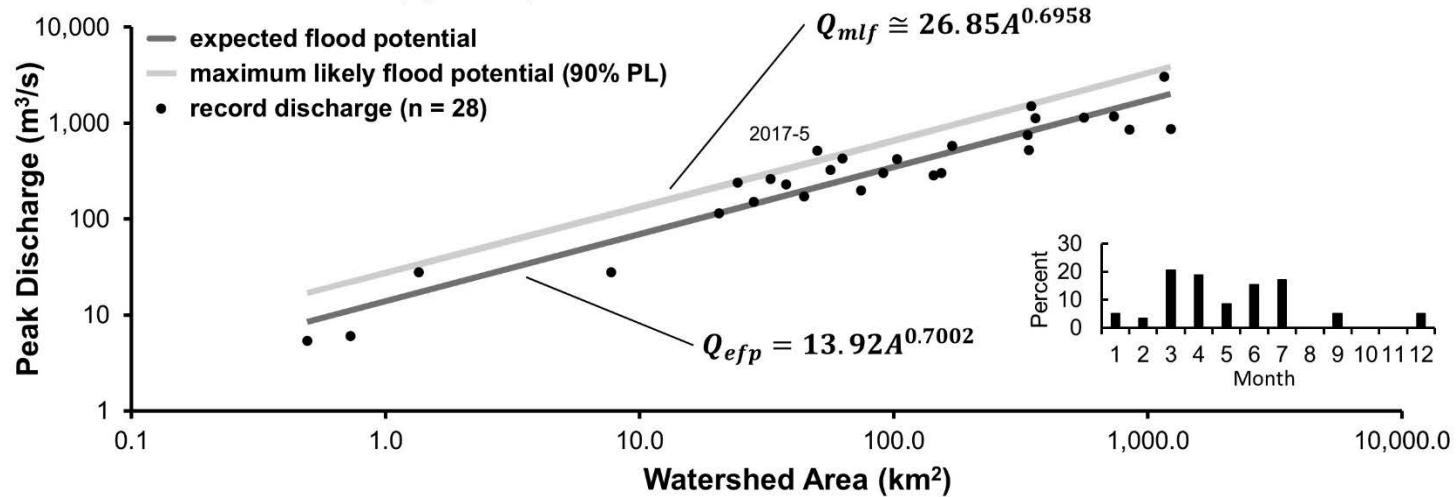
**Zone 89W: Southern Illinois ( $P_f = 19.7$ )**

$R^2 = 0.96$

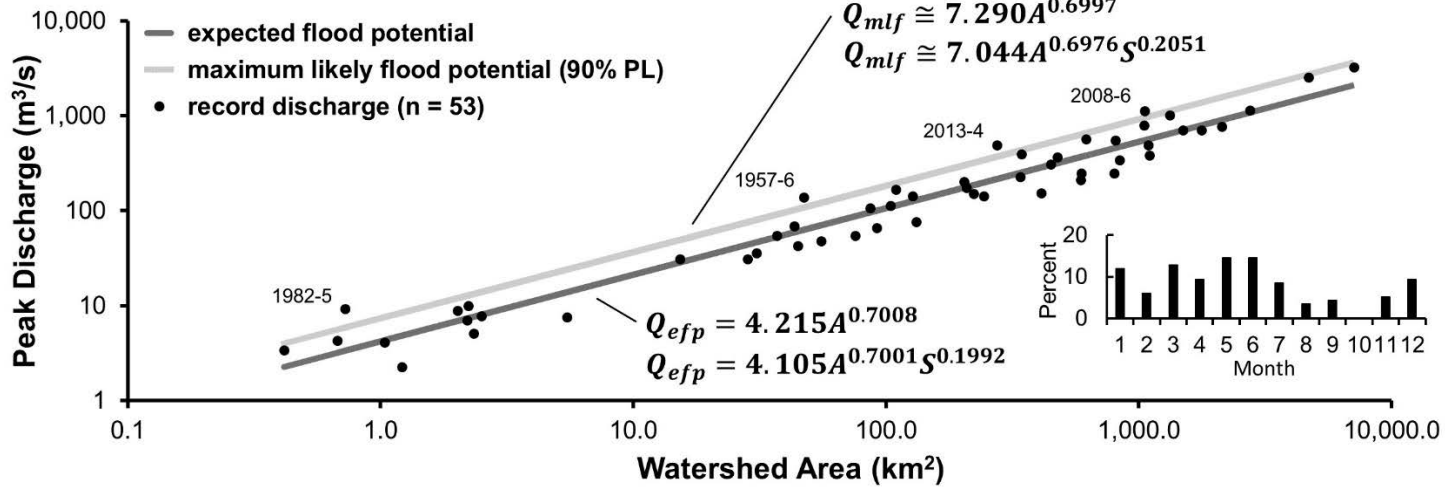


**Zone 89: Southern Indiana ( $P_f = 27.1$ )**

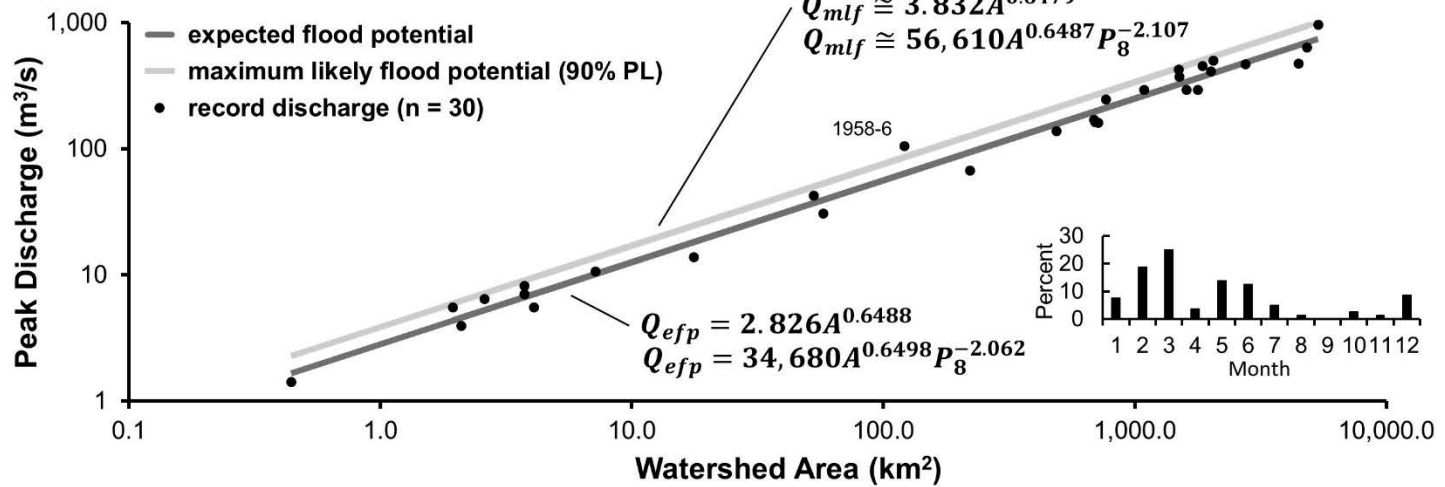
$R^2 = 0.90$



**Zone 90: Indiana ( $P_f = 8.2$ )**



**Zone 90N: Indiana, North ( $P_f = 4.2$ )**

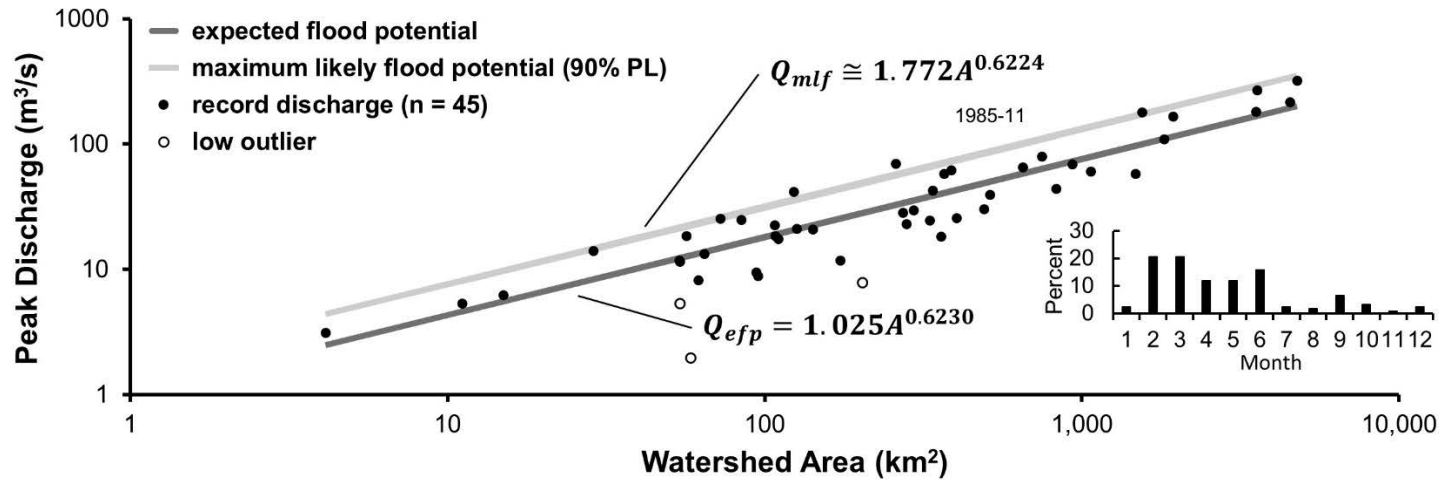


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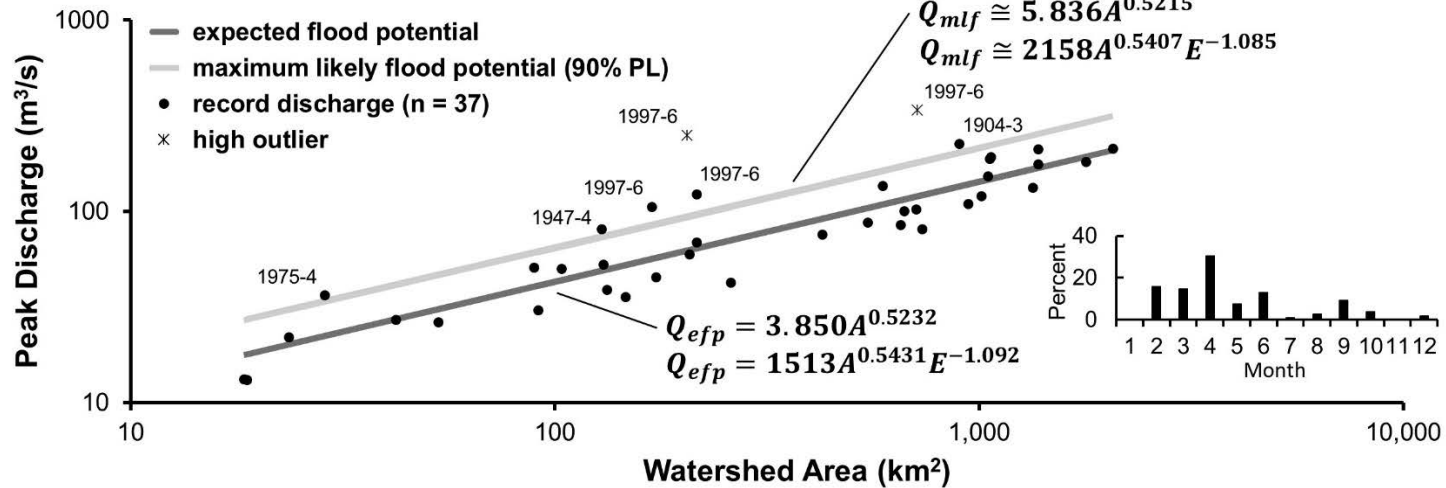
**Zone 91S: Michigan Boundary ( $P_f = 1.3$ )**

$R^2 = 0.86$



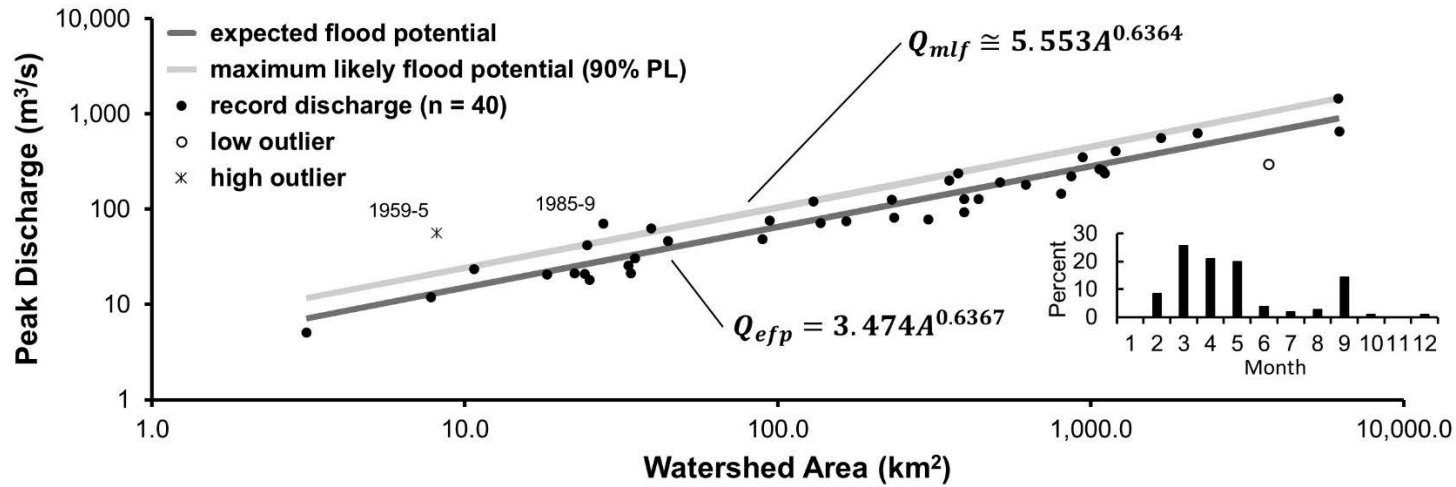
**Zone 91: Michigan ( $P_f = 3.1$ )**

$R^2 = 0.85; 0.87$



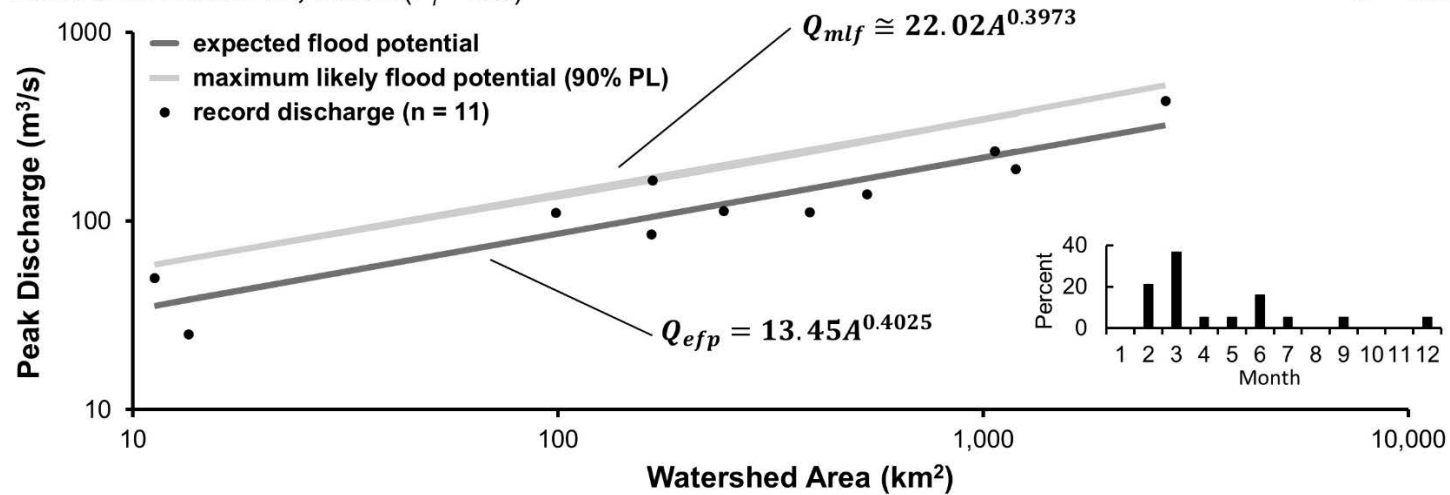
**Zone 91E: Michigan, East ( $P_f = 4.9$ )**

$R^2 = 0.92$



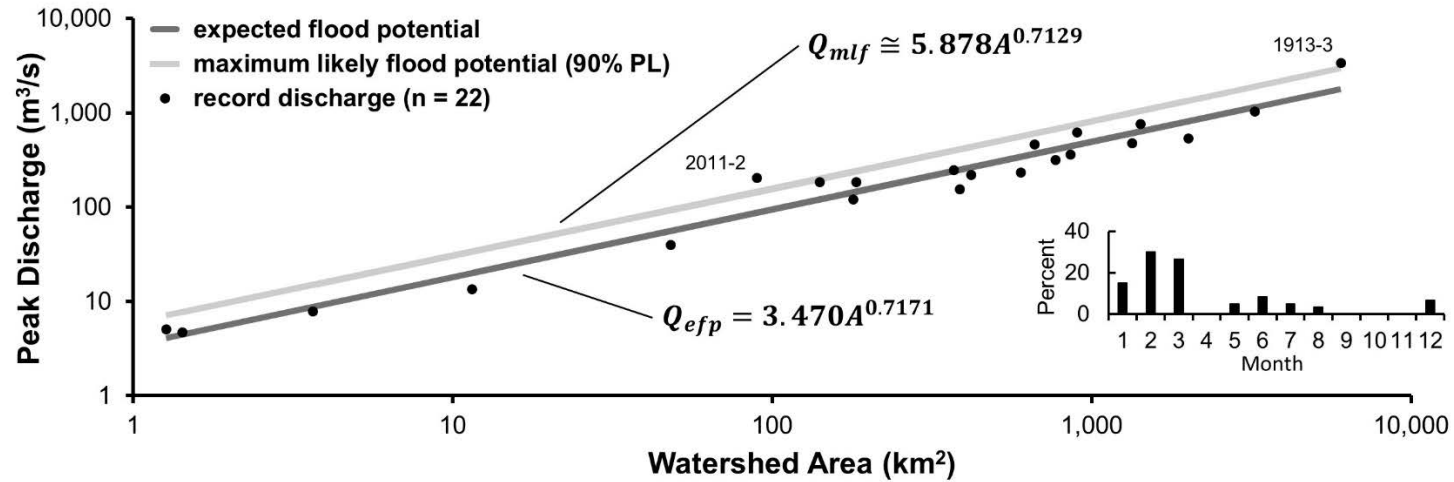
**Zone 92N: Lake Erie, North ( $P_f = 6.3$ )**

$R^2 = 0.83$



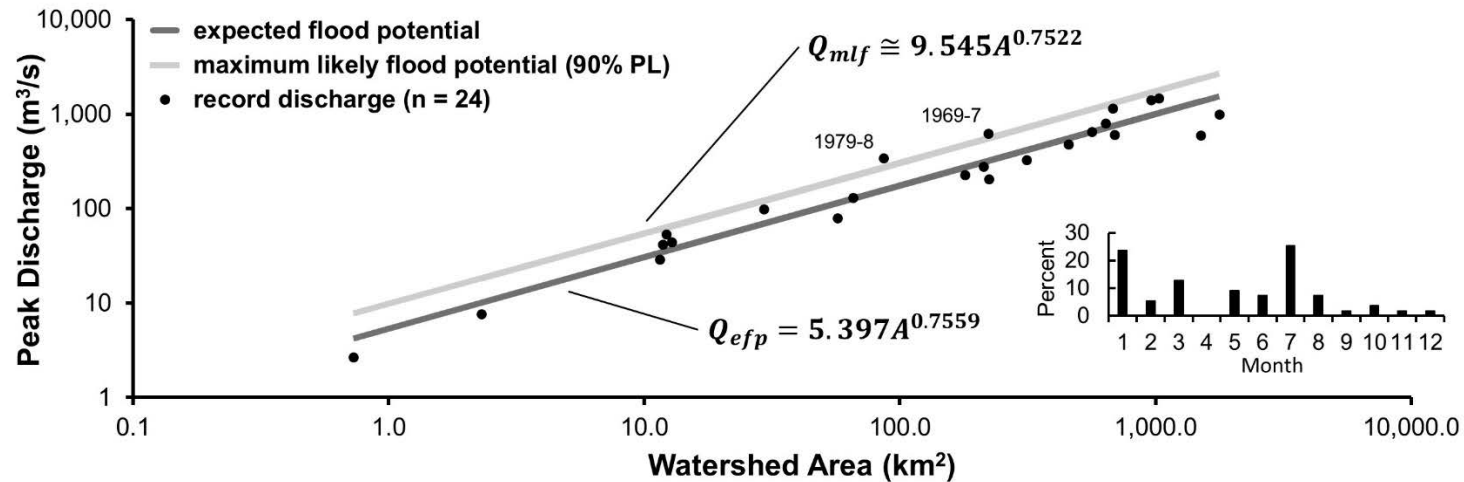
**Zone 92W: Lake Erie, West ( $P_f = 7.4$ )**

$R^2 = 0.96$

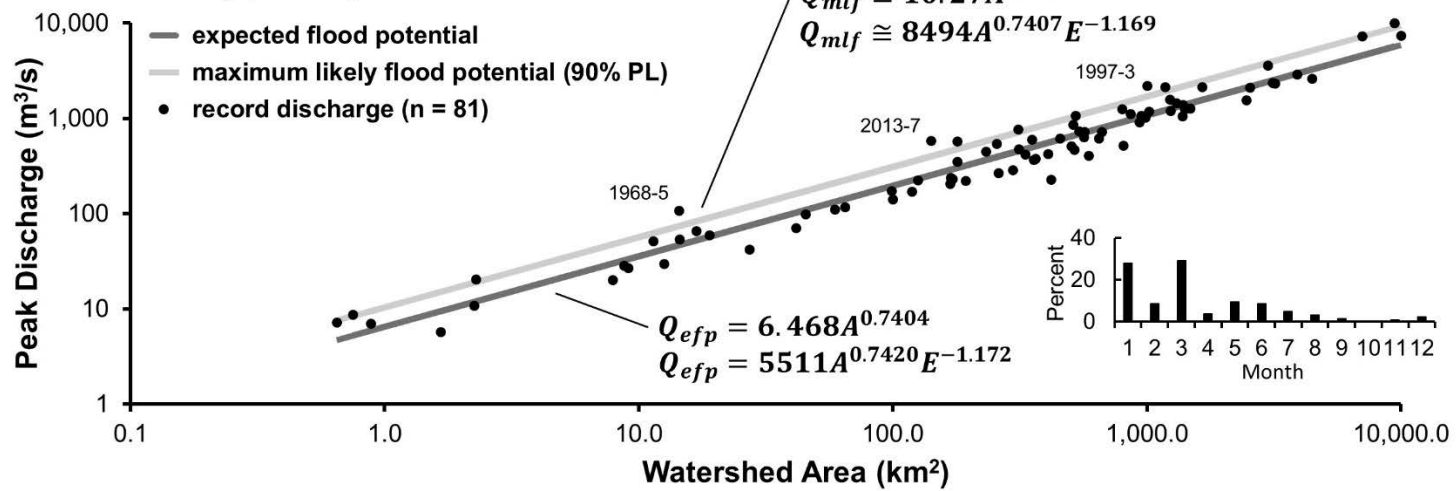


**Zone 92: Lake Erie ( $P_f = 14.2$ )**

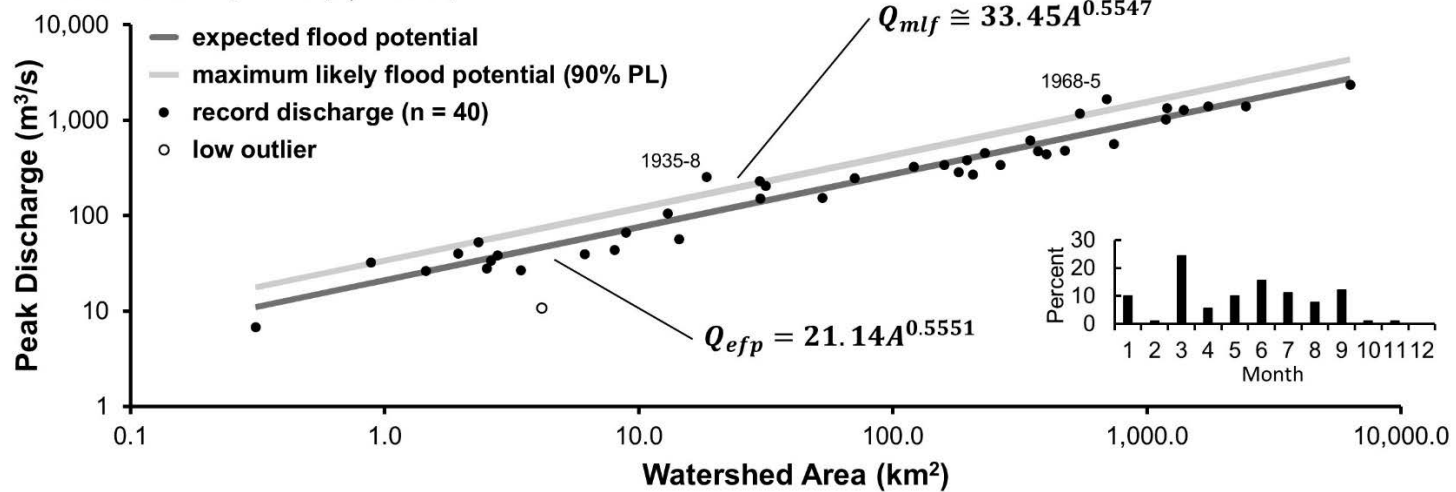
$R^2 = 0.94$



**Zone 93: Ohio ( $P_f = 15.6$ )**



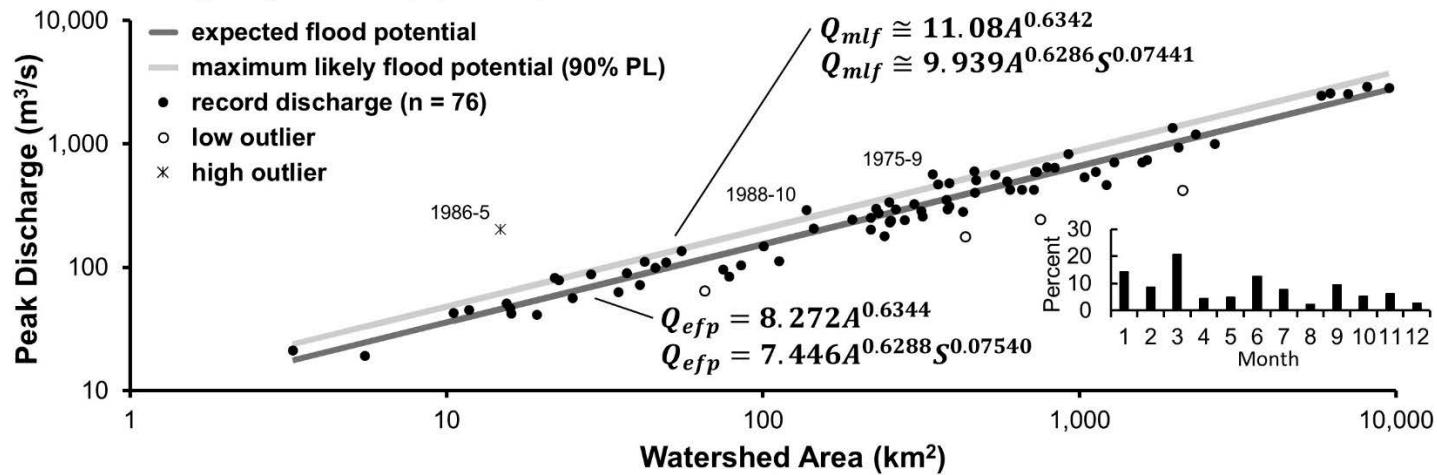
**Zone 93E: Ohio, East ( $P_f = 19.8$ )**





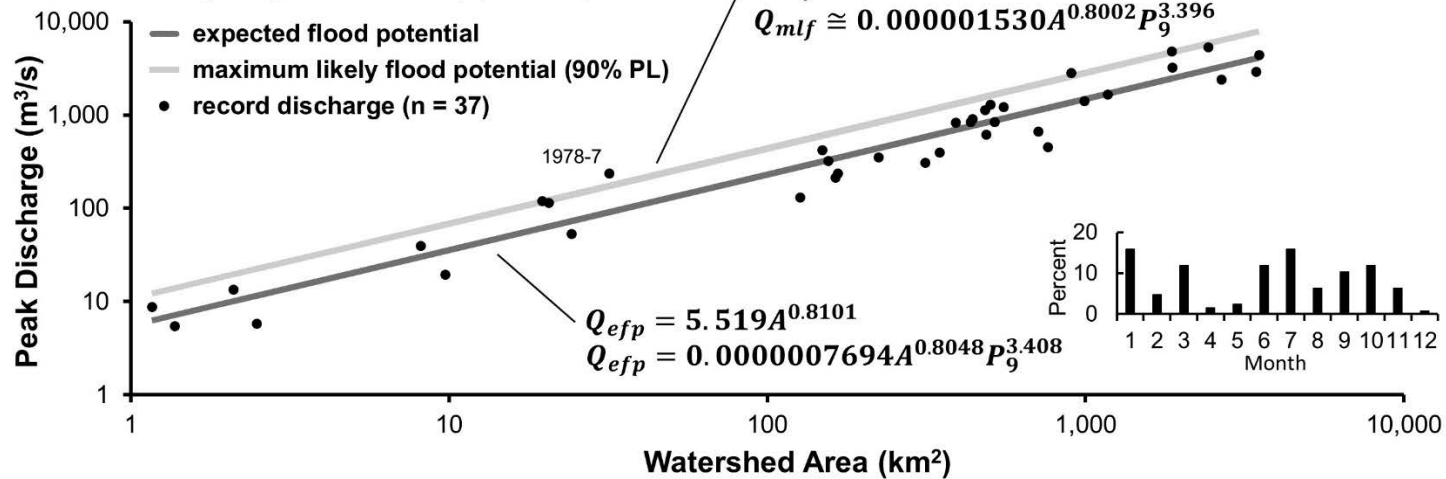
**Zone 94: Allegheny Plateau ( $P_f = 11.5$ )**

$R^2 = 0.96; 0.96$



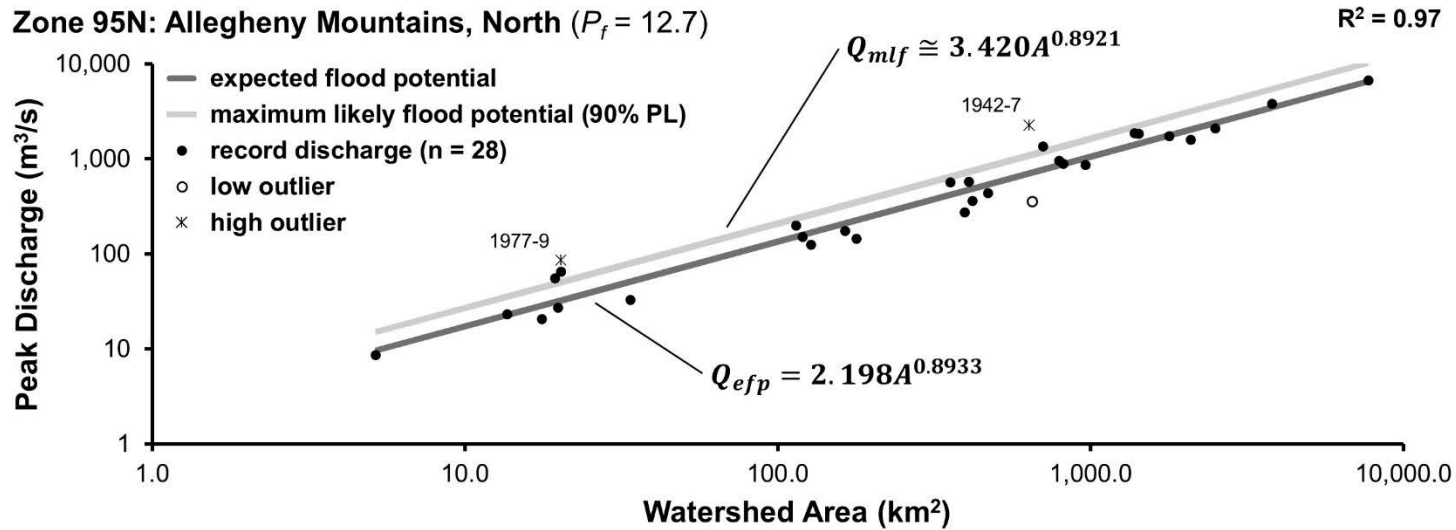
**Zone 95: Allegheny Mountains ( $P_f = 19.6$ )**

$R^2 = 0.94; 0.94$

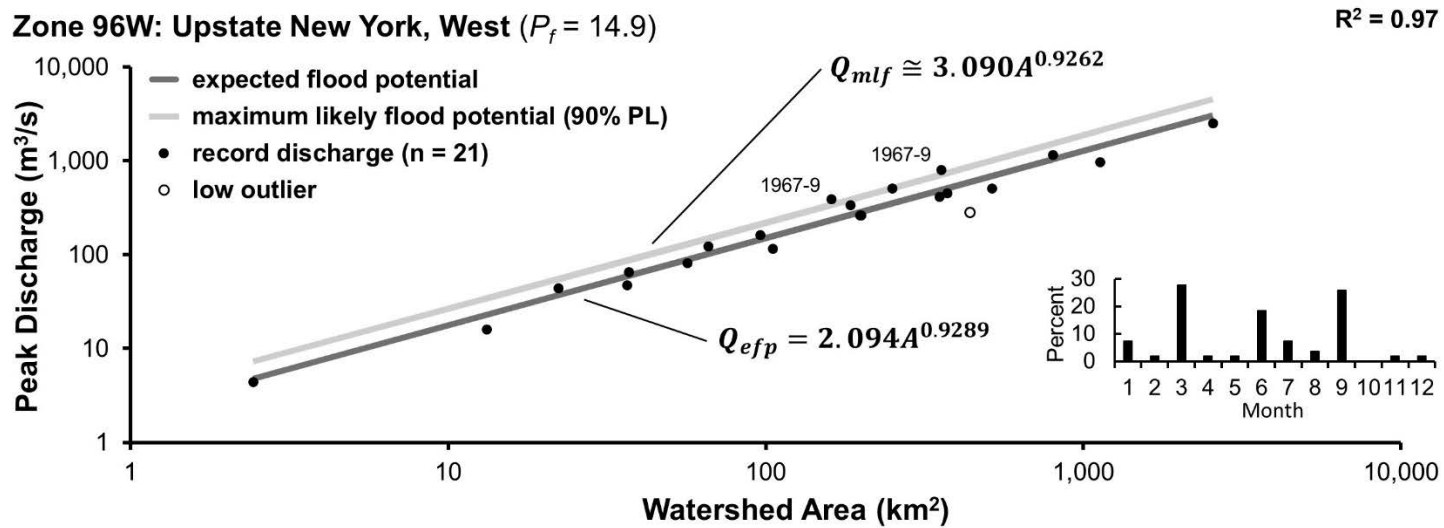




**Zone 95N: Allegheny Mountains, North ( $P_f = 12.7$ )**

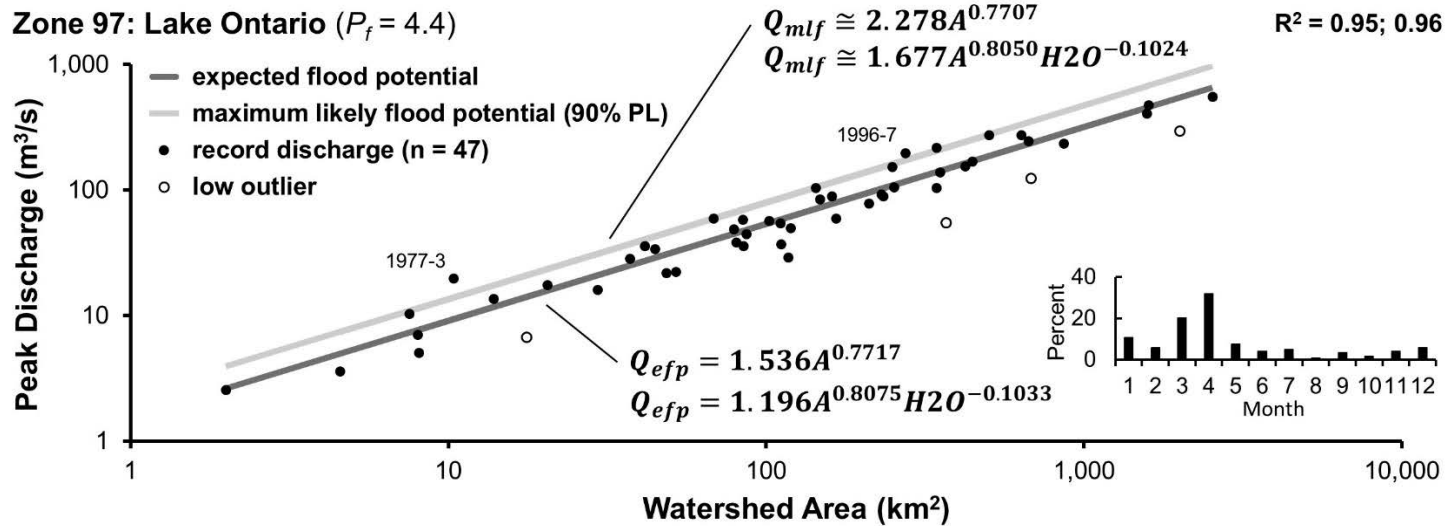
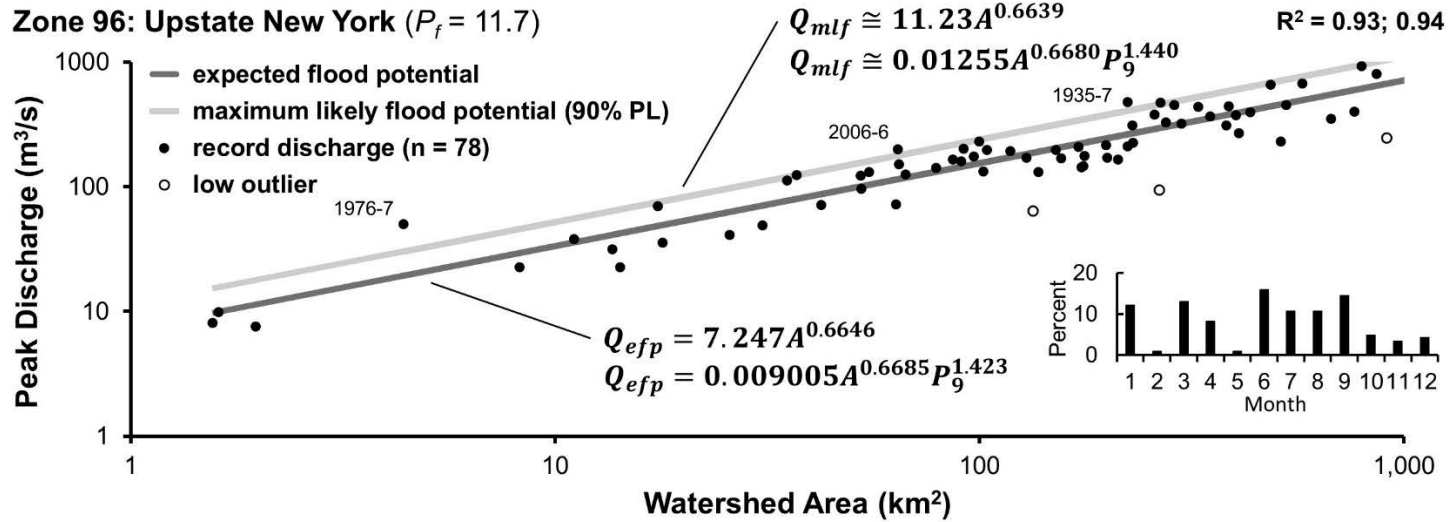


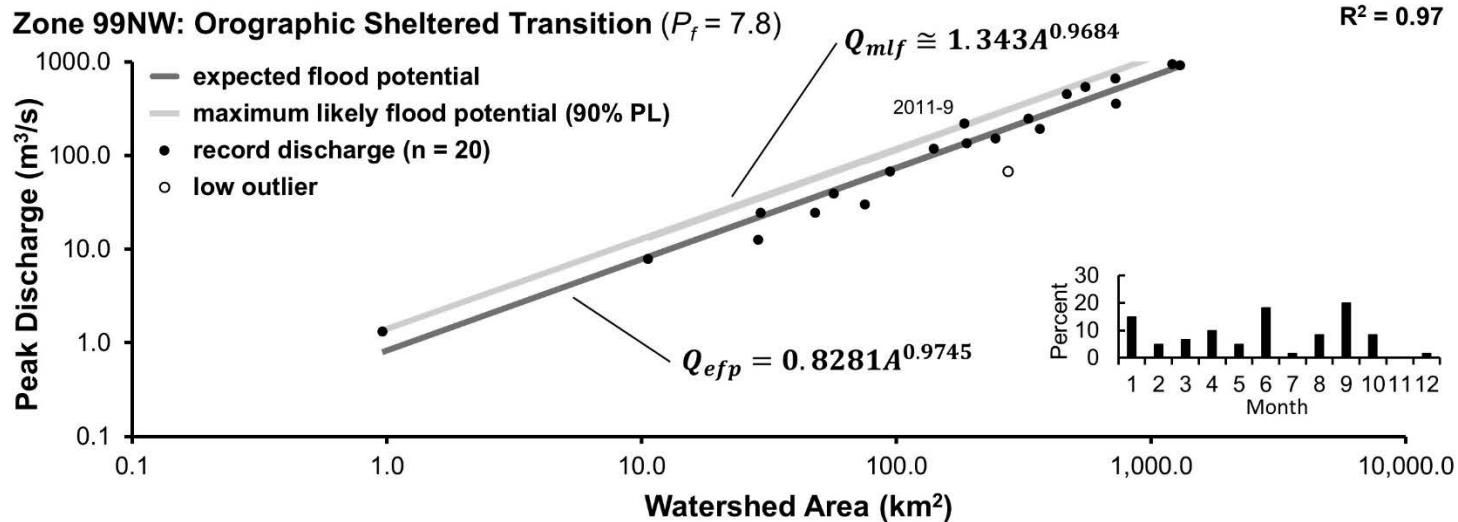
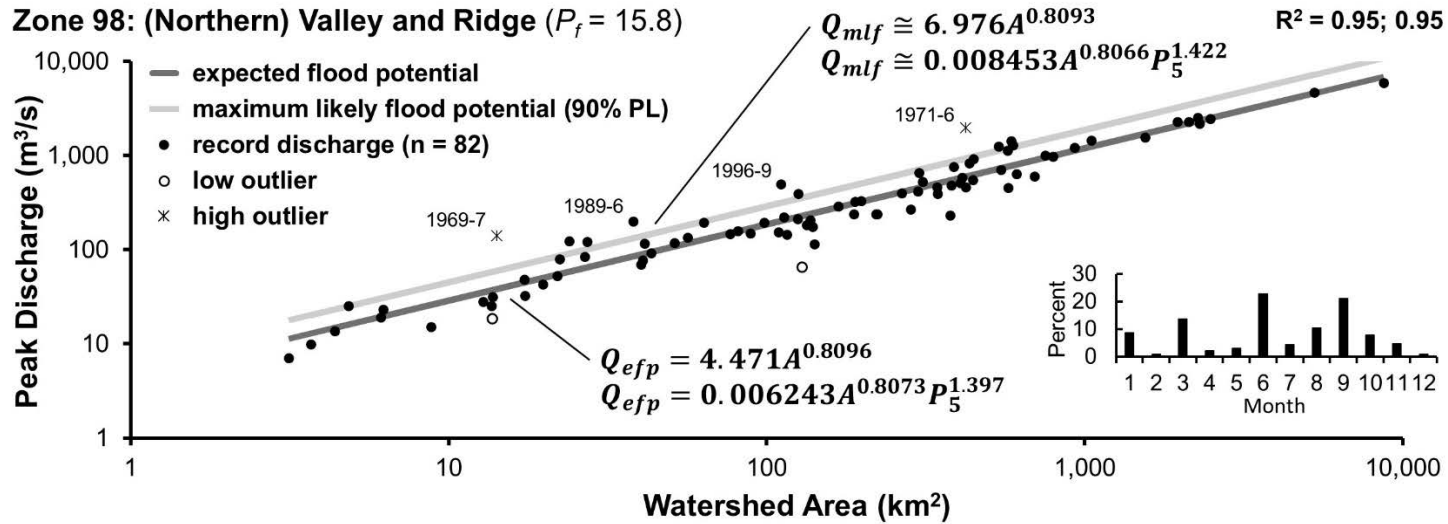
**Zone 96W: Upstate New York, West ( $P_f = 14.9$ )**

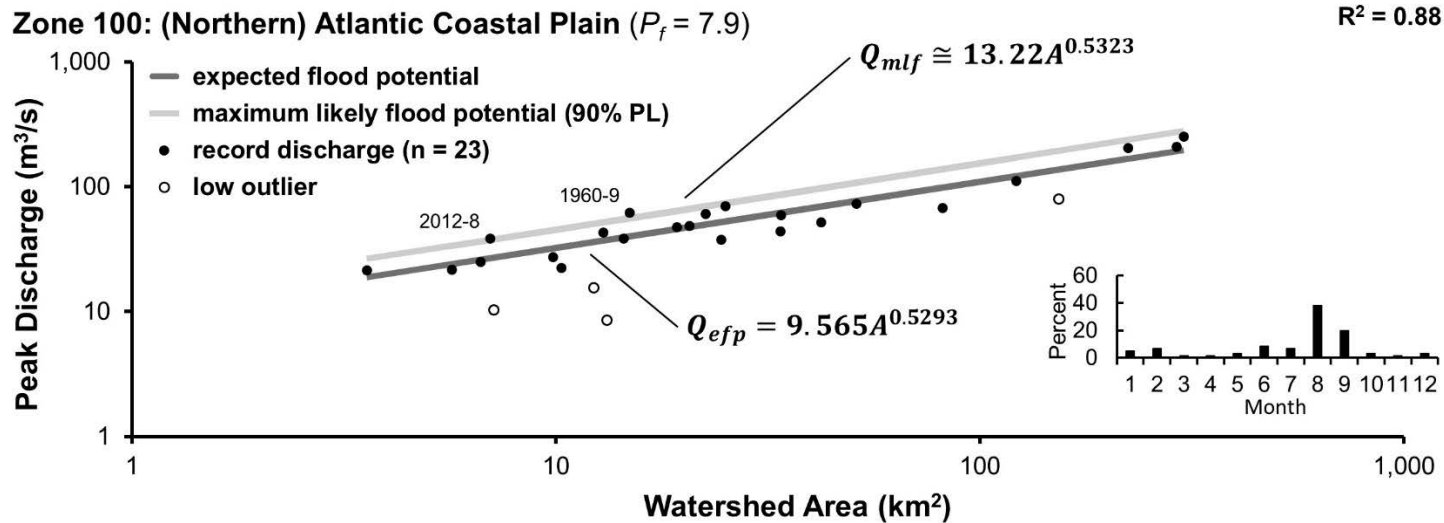
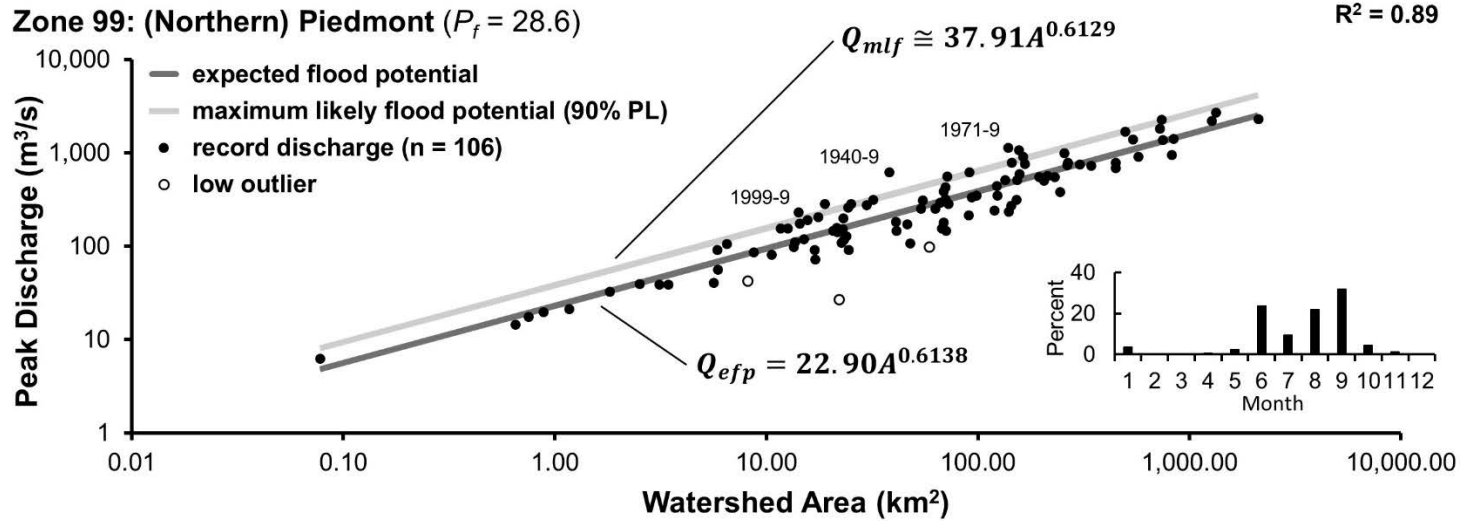


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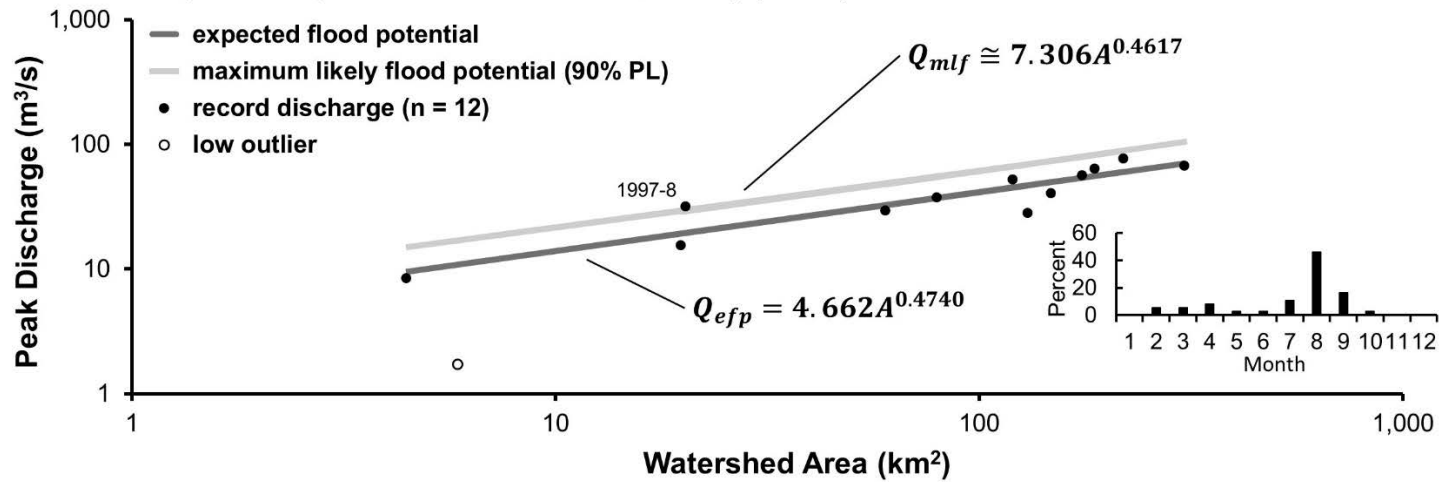


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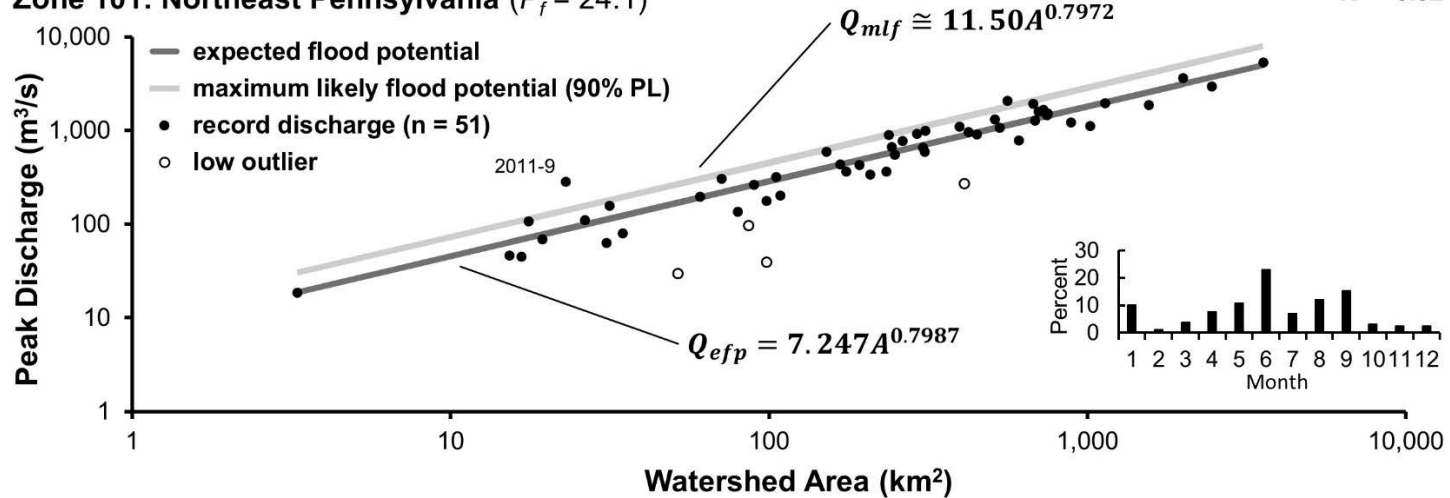
**Zone 100E: (Northern) Atlantic Coastal Plain, East ( $P_f = 3.0$ )**

$R^2 = 0.83$

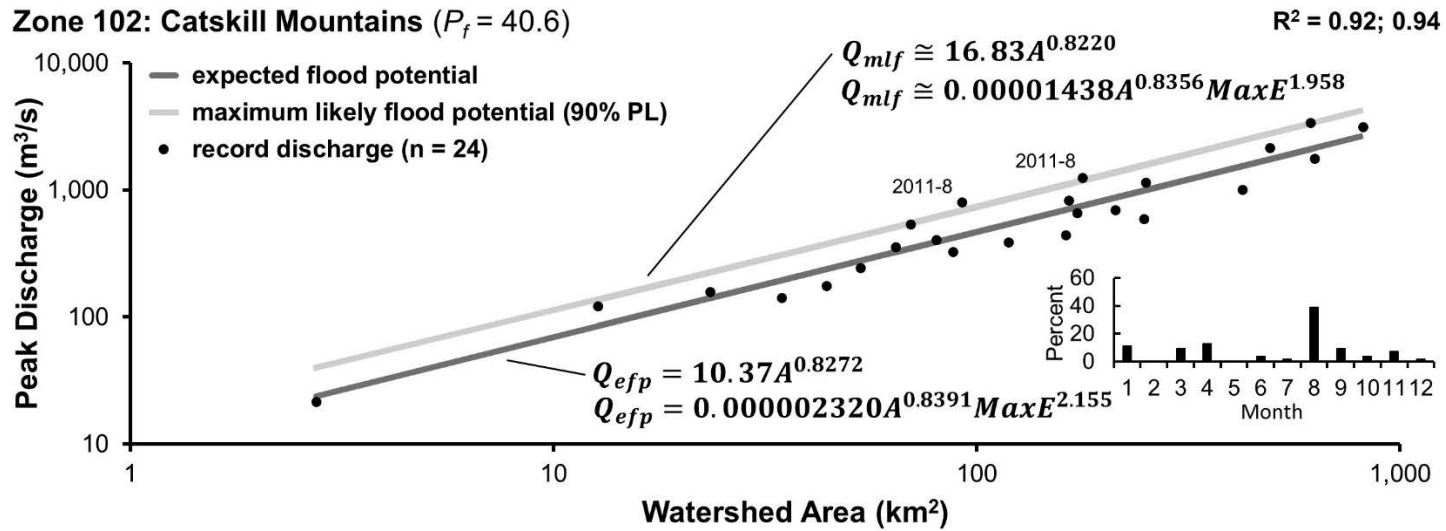


**Zone 101: Northeast Pennsylvania ( $P_f = 24.1$ )**

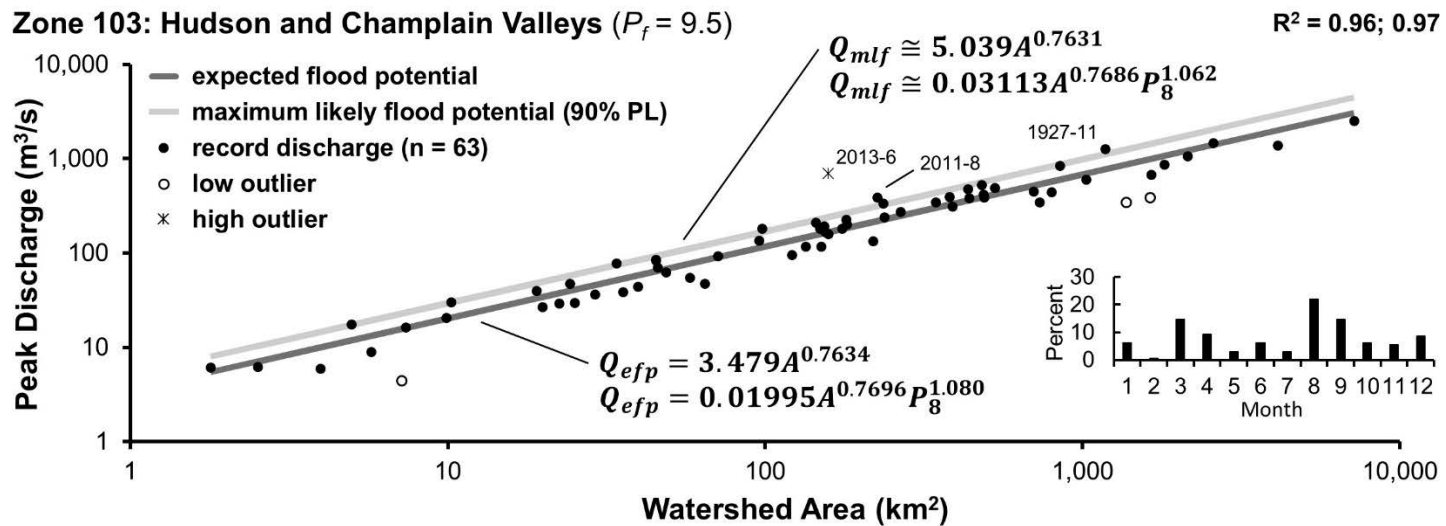
$R^2 = 0.92$



**Zone 102: Catskill Mountains ( $P_f = 40.6$ )**



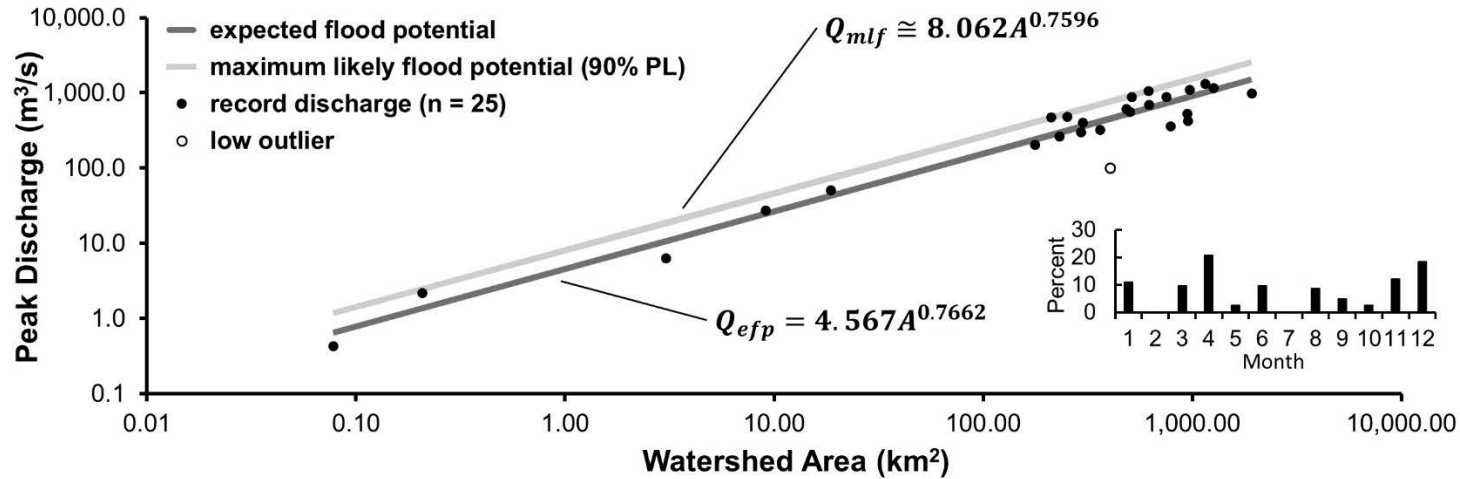
**Zone 103: Hudson and Champlain Valleys ( $P_f = 9.5$ )**





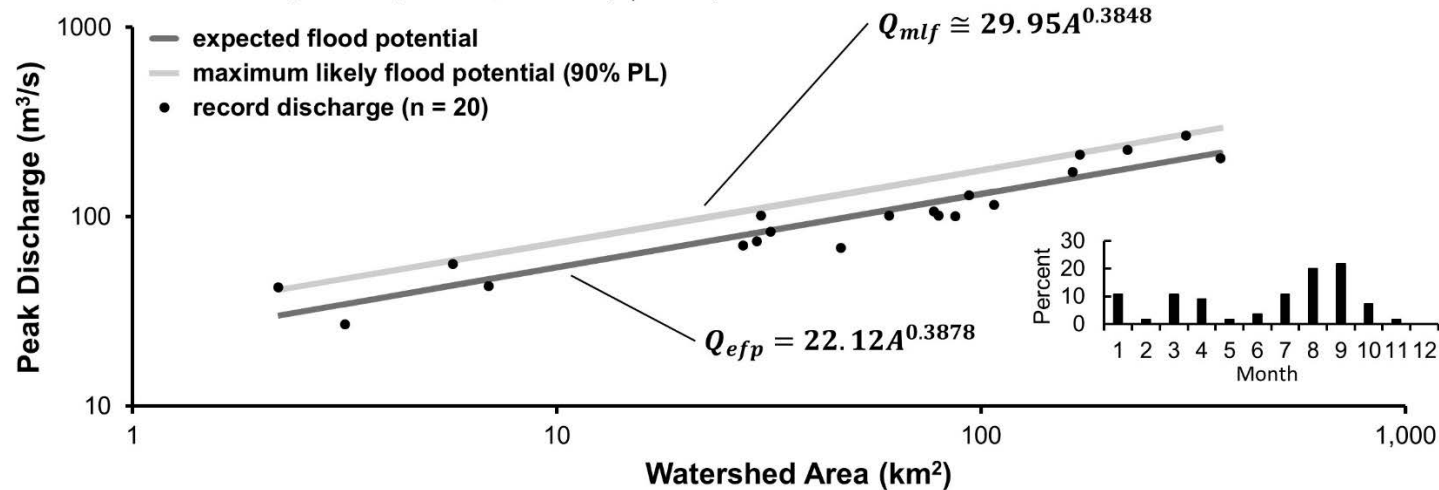
**Zone 104: Adirondack Mountains ( $P_f = 12.7$ )**

$R^2 = 0.96$



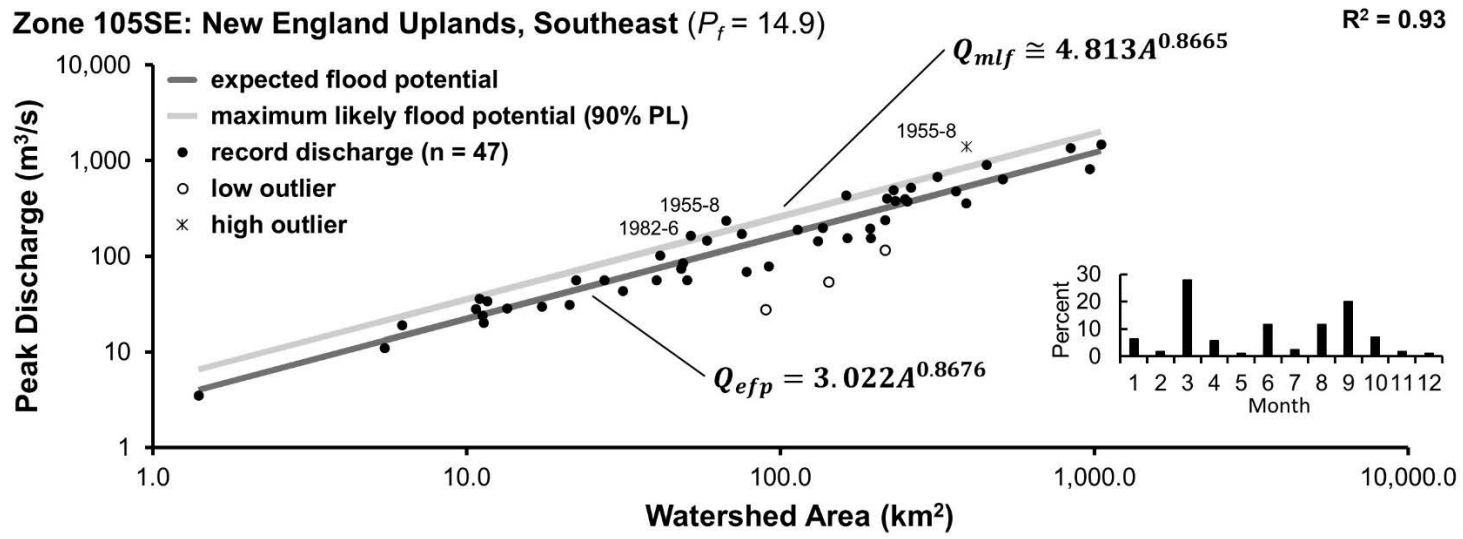
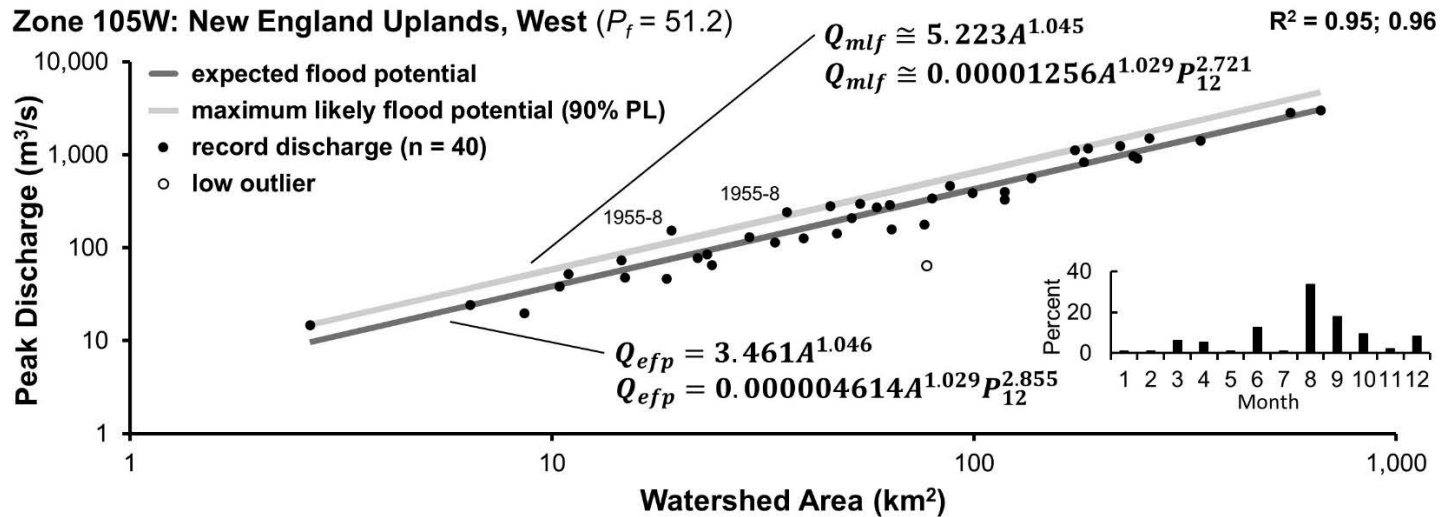
**Zone 105S: New England Uplands, South ( $P_f = 9.7$ )**

$R^2 = 0.88$



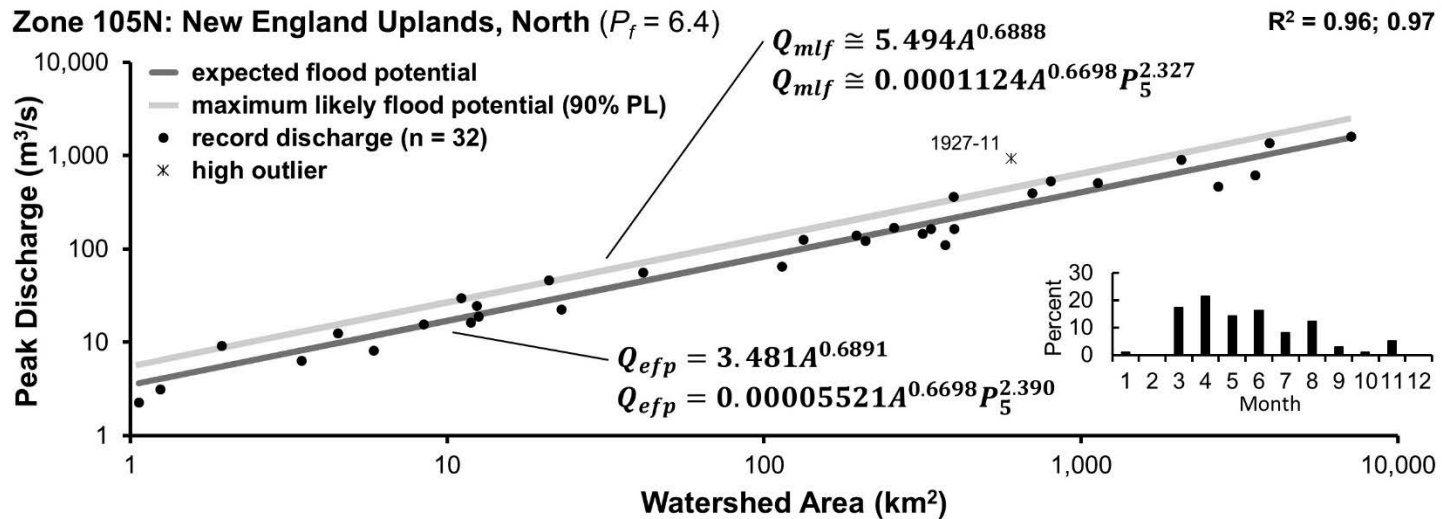
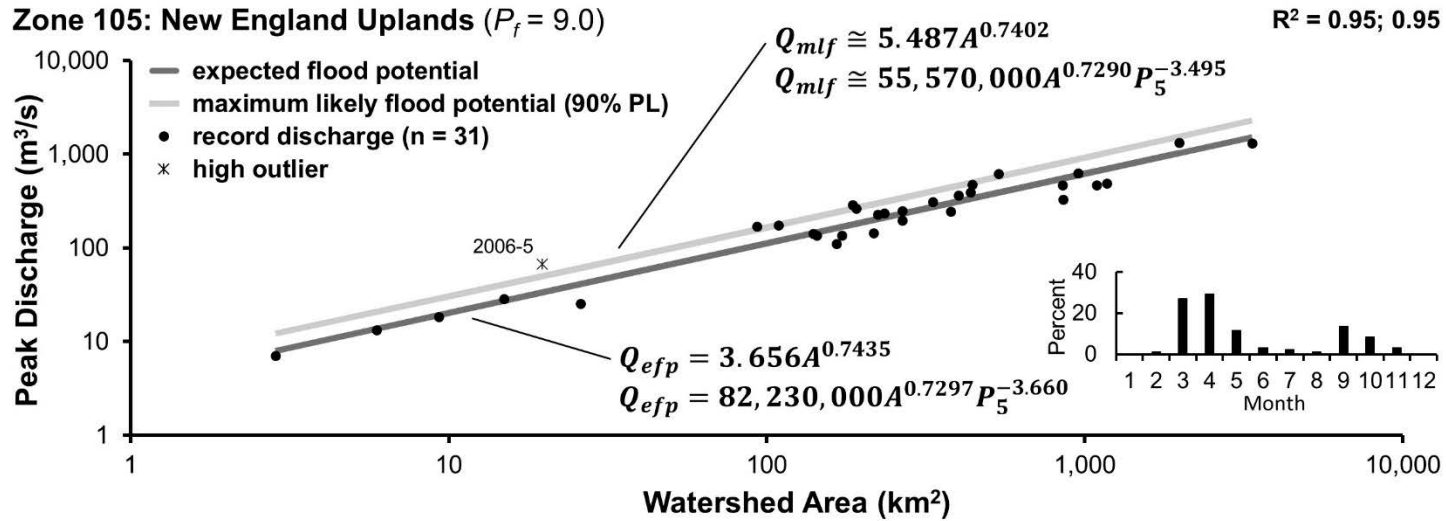
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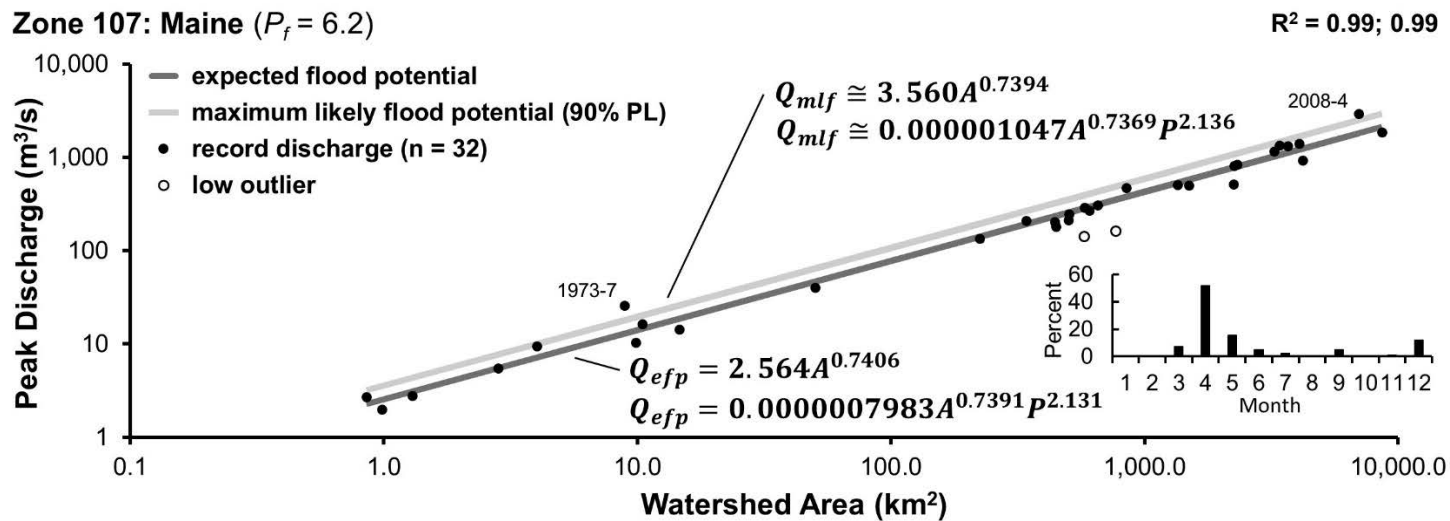
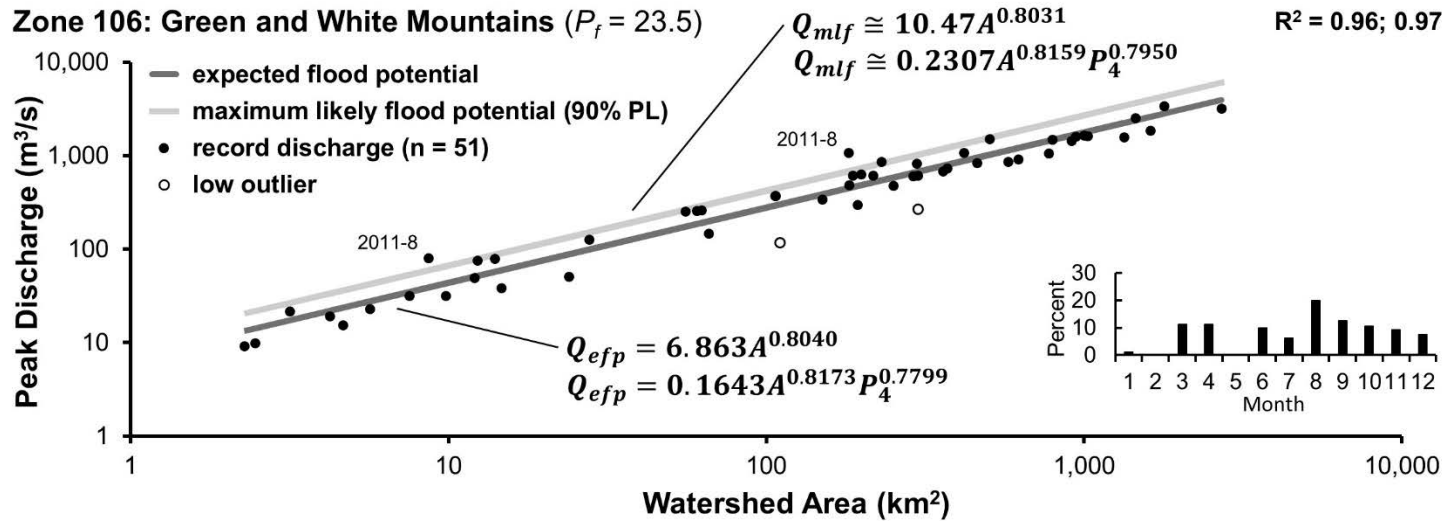
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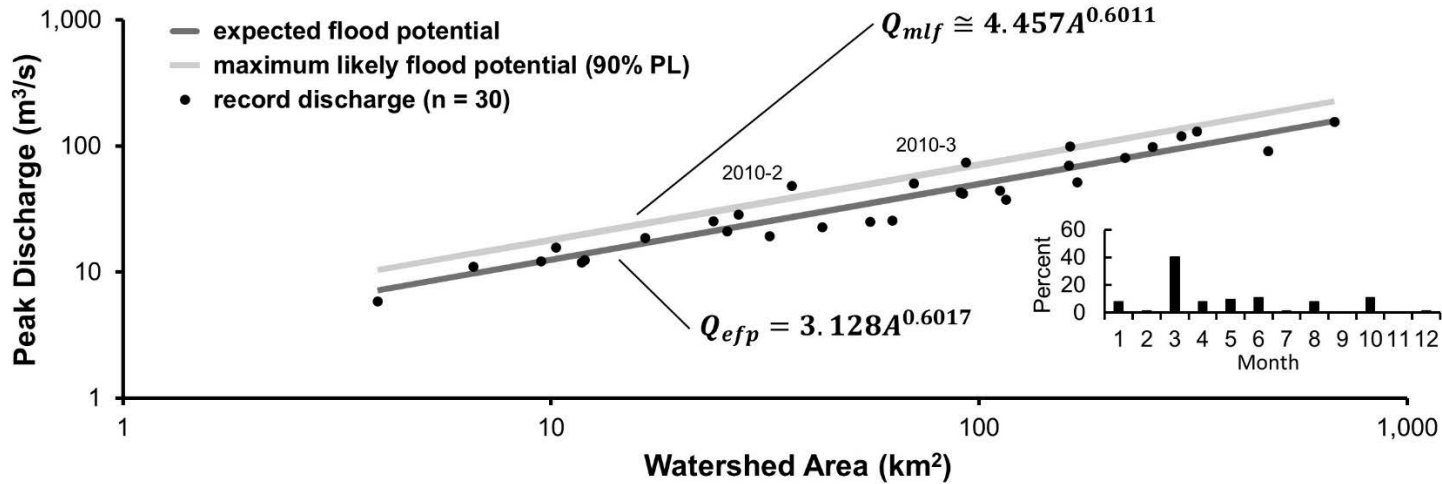
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**Zone 108: New England Seaboard ( $P_f = 3.7$ )**

$R^2 = 0.91$



**Zone 108N: New England Seaboard, North ( $P_f = 7.0$ )**

$R^2 = 0.98; 0.98$

