VDOF Rosgen C5 Forest Reference Stream: Measured Hydraulic Geometry: Bankfull Indicies

$a \bullet c \bullet e = 0.49$ $\quad b + d + f = 0.96$

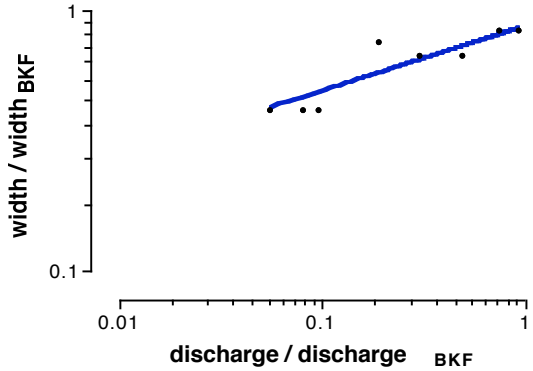
Best-fit values	
B	0.8719
M	0.2476
Std. Error	
B	0.06021
M	0.05105
95% Confidence Intervals	
B	0.7245 to 1.019
M	0.1227 to 0.3725
Goodness of Fit	
Degrees of Freedom	6
R squared	0.8165
Absolute Sum of Squares	0.04321
Sy.x	0.08486
Runs test	
Points above curve	3
Points below curve	5
Number of runs?? [X not in order].	4
P value (runs test)	
Deviation from Model	
Data	
Number of X values	8
Number of Y replicates	1
Total number of values	8
Number of missing values	0

Best-fit values	
B	0.5583
M	0.4091
Std. Error	
B	0.1403
M	0.2277
95% Confidence Intervals	
B	0.2151 to 0.9015
M	-0.1481 to 0.9664
Goodness of Fit	
Degrees of Freedom	6
R squared	0.3893
Absolute Sum of Squares	0.2039
Sy.x	0.1843
Runs test	
Points above curve	3
Points below curve	5
Number of runs?? [X not in order].	5
P value (runs test)	
Deviation from Model	
Data	
Number of X values	8
Number of Y replicates	1
Total number of values	8
Number of missing values	0

Best-fit values	
B	1.001
M	0.3066
Std. Error	
B	0.3166
M	0.2515
95% Confidence Intervals	
B	0.2261 to 1.775
M	-0.3088 to 0.9221
Goodness of Fit	
Degrees of Freedom	6
R squared	0.2432
Absolute Sum of Squares	1.133
Sy.x	0.4346
Runs test	
Points above curve	3
Points below curve	5
Number of runs?? [X not in order].	4
P value (runs test)	
Deviation from Model	
Data	
Number of X values	8
Number of Y replicates	1
Total number of values	8
Number of missing values	0

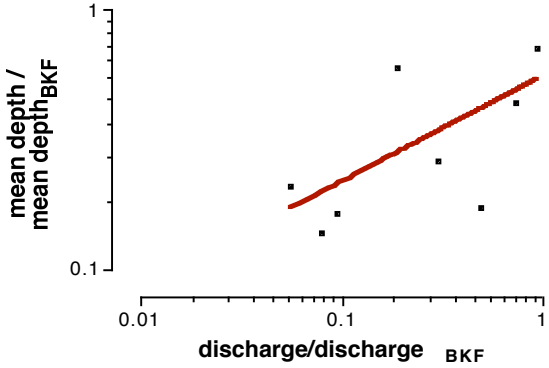
Width/Width $_{BKF}$ as a Function of Discharge/Discharge$_{BKF}$

$w = aQ^b$ $(y=bx^m)$



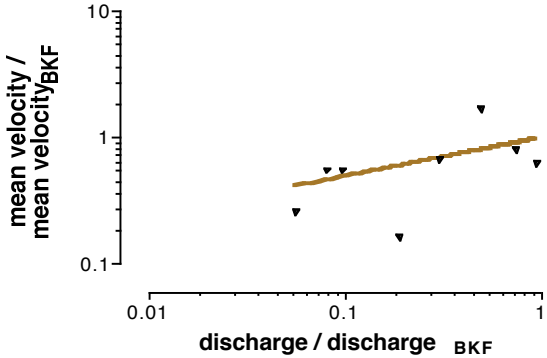
Depth/Depth $_{BKF}$ as a Function of Discharge/Discharge$_{BKF}$

$D = cQ^d$ $(y=bx^m)$



Velocity / Velocity$_{BKF}$ as a Function of Discharge / Discharge$_{BKF}$

$V = eQ^f$ $(y=bx^m)$



Samuel H. Austin: April 2004