

U. S. GEOLOGICAL SURVEY
 ANNUAL PEAK FLOW FREQUENCY ANALYSIS
 Following Bulletin 17-B Guidelines
 Program peakfq
 (Version 4.0, December, 2000)

Station - 05425912 BEAVERDAM RIVER AT BEAVER DAM, WI
 2002 DEC 5 16:25:51

I N P U T D A T A S U M M A R Y

Number of peaks in record	=	15
Peaks not used in analysis	=	0
Systematic peaks in analysis	=	15
Historic peaks in analysis	=	0
Years of historic record	=	0
Generalized skew	=	-0.381
Standard error of generalized skew	=	0.550
Skew option	=	WEIGHTED
Gage base discharge	=	0.0
User supplied high outlier threshold	=	--
User supplied low outlier criterion	=	--
Plotting position parameter	=	0.00

***** NOTICE -- Preliminary machine computations. *****
 ***** User responsible for assessment and interpretation. *****

WCF134I-NO SYSTEMATIC PEAKS WERE BELOW GAGE BASE.	0.0
WCF195I-NO LOW OUTLIERS WERE DETECTED BELOW CRITERION.	254.9
WCF163I-NO HIGH OUTLIERS OR HISTORIC PEAKS EXCEEDED HHBASE.	935.9

Station - 05425912 BEAVERDAM RIVER AT BEAVER DAM, WI
 2002 DEC 5 16:25:51

ANNUAL FREQUENCY CURVE PARAMETERS -- LOG-PEARSON TYPE III

	FLOOD BASE		LOGARITHMIC		
	DISCHARGE	EXCEEDANCE PROBABILITY	MEAN	STANDARD DEVIATION	SKEW
SYSTEMATIC RECORD	0.0	1.0000	2.6888	0.1257	-0.174
BULL.17B ESTIMATE	0.0	1.0000	2.6888	0.1257	-0.283

ANNUAL FREQUENCY CURVE -- DISCHARGES AT SELECTED EXCEEDANCE PROBABILITIES

ANNUAL EXCEEDANCE PROBABILITY	BULL.17B ESTIMATE	SYSTEMATIC RECORD	'EXPECTED PROBABILITY' ESTIMATE	95-PCT CONFIDENCE LIMITS FOR BULL. 17B ESTIMATES	
				LOWER	UPPER
0.9950	214.6	221.0	178.5	144.0	268.3
0.9900	234.7	240.1	204.2	163.4	288.1
0.9500	296.8	299.2	279.7	227.0	348.8
0.9000	334.5	335.4	322.8	267.3	385.9
0.8000	384.7	383.9	378.0	321.7	437.1
0.5000	495.1	492.5	495.1	435.6	564.3
0.2000	625.1	624.4	634.0	549.8	749.2
0.1000	700.8	703.6	719.9	608.8	871.5
0.0400	787.3	796.4	825.8	672.2	1021.0
0.0200	846.2	861.1	903.8	713.7	1129.0
0.0100	901.2	922.6	981.7	751.4	1232.0
0.0050	953.1	981.8	1061.0	786.3	1333.0
0.0020	1018.0	1057.0	1169.0	829.0	1463.0
0.6667	436.1	(1.50-year flood)			
0.4292	521.4	(2.33-year flood)			

Station - 05425912 BEAVERDAM RIVER AT BEAVER DAM, WI
2002 DEC 5 16:25:51

I N P U T D A T A L I S T I N G

WATER YEAR	DISCHARGE	CODES	WATER YEAR	DISCHARGE	CODES
1986	754.0		1994	450.0	
1987	616.0		1995	394.0	
1988	296.0		1996	475.0	
1989	313.0		1997	507.0	
1990	639.0		1998	535.0	
1991	367.0		1999	567.0	
1992	401.0		2000	540.0	
1993	758.0				

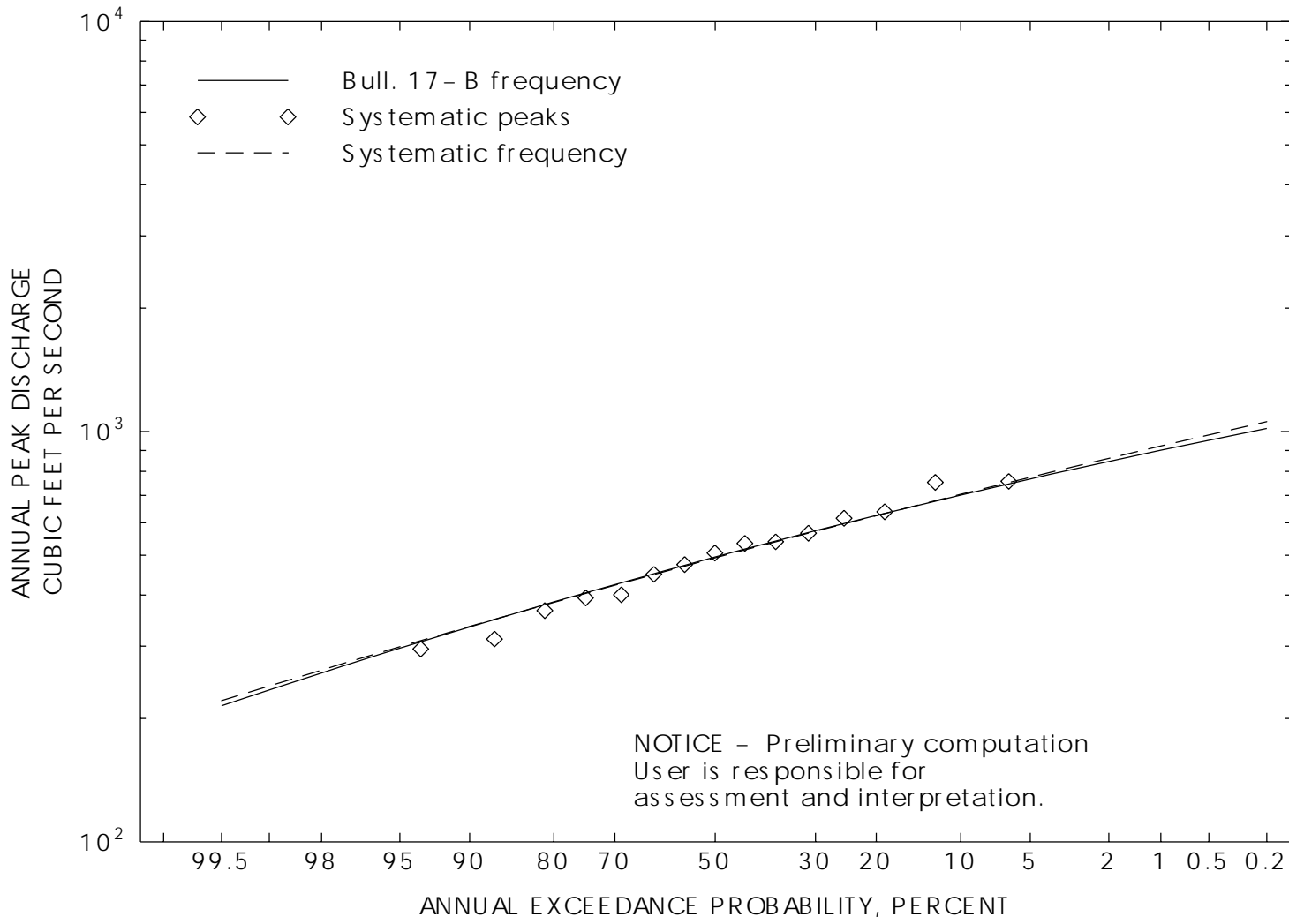
Explanation of peak discharge qualification codes

PEAKFQ	WATSTORE	
CODE	CODE	DEFINITION
D	3	Dam failure, non-recurrent flow anomaly
G	8	Discharge greater than stated value
X	3+8	Both of the above
L	4	Discharge less than stated value
K	6 OR C	Known effect of regulation or urbanization
H	7	Historic peak

Station - 05425912 BEAVERDAM RIVER AT BEAVER DAM, WI
2002 DEC 5 16:25:51

EMPIRICAL FREQUENCY CURVES -- WEIBULL PLOTTING POSITIONS

WATER YEAR	RANKED DISCHARGE	SYSTEMATIC RECORD	BULL.17B ESTIMATE
1993	758.0	0.0625	0.0625
1986	754.0	0.1250	0.1250
1990	639.0	0.1875	0.1875
1987	616.0	0.2500	0.2500
1999	567.0	0.3125	0.3125
2000	540.0	0.3750	0.3750
1998	535.0	0.4375	0.4375
1997	507.0	0.5000	0.5000
1996	475.0	0.5625	0.5625
1994	450.0	0.6250	0.6250
1992	401.0	0.6875	0.6875
1995	394.0	0.7500	0.7500
1991	367.0	0.8125	0.8125
1989	313.0	0.8750	0.8750
1988	296.0	0.9375	0.9375



NOTICE - Preliminary computation
 User is responsible for
 assessment and interpretation.

Station - 05425912 BEAVERDAM RIVER AT BEAVER DAM, WI
 2005 JUL 26 11:53:40