

Table 4. Summary of base (100-year) flood discharges and elevations for selected sites in Marion County, Missouri [mi², square mile; ft/mi, foot per mile; ft³/s, cubic foot per second; ft, foot]

Map no. (fig 1)	Stream and location	Drainage area (a) (mi ²)	Main-channel slope (S) (ft/mi)	Base (100-year) flood discharg ¹ (ft ³ /s)	Base (100-year) flood elevation ² (ft)
BFE 1	South Fork North River at State Highway K near Monroe City, Mo.	13.9	23.1	5,160 ³	627.7
BFE 2	South Fork North River at County Road 231 near Monroe City, Mo.	59.0	14.2	13,400	579.2
BFE 3	South Fork North River at State Highway Z near Monroe City, Mo.	75.3	12.0	14,900	545.9
BFE 4	North River at County Road 195 near Philadelphia, Mo.	187	5.43	20,500	560.5
BFE 5	North River at State Highway Z near Philadelphia, Mo.	199	5.24	21,000	539.7
BFE 6	North River at State Highway 168 near Palmyra, Mo.	348	5.18	30,200	504.2
BFE 7	North River at U.S. Highway 24–61 at Palmyra, Mo.	359	5.15	31,200	494.4
BFE 8	Big Branch at County Road 230 near Philadelphia, Mo.	18.3	29.6	8,080	530.5
BFE 9	South River at County Road 272 near Monroe City, Mo.	10.4	17.5	4,650	619.1
BFE 10	Bear Creek at County Road 418 near Hannibal, Mo.	21.8	16.0	7,320	565.5
BFE 11	South Fabius River at State Highway D near Philadelphia, Mo.	363	3.96	28,300	591.2
BFE 12	South Fabius River at County Road 159 near Philadelphia, Mo.	379	3.92	28,900	578.4
BFE 13	South Fabius River at State Highway A near Palmyra, Mo.	394	3.40	28,300	538.7
BFE 14	South Fabius River at County Road 315 near Palmyra, Mo.	605	3.13	36,200	506.9

¹Alexander and Wilson (1995), $Q_{100}=376(A)^{0.652}(S)^{0.346}$, Region I.

²Above sea level.

³From HEC-1 analysis at site BFE 1.