

## Flood Crest Occurences by One Foot Intervals: Shenandoah River at Front Royal

Latitude: 38.914  
Flood Stage: 12

Period of Record: 1901-Present  
Last Flood: 5/16/2014

Longitude: -78.211  
Number of Floods: 49

Flood Crest-Height above Flood Stage	Total Flood Crest Occurence
12 ft to 12.99 ft	11
13 ft to 13.99 ft	8
14 ft to 14.99 ft	5
15 ft to 15.99 ft	6
16 ft to 16.99 ft	2
17 ft to 17.99 ft	3
18 ft to 18.99 ft	4
19 ft to 19.99 ft	1
20 ft to 20.99 ft	0
21 ft to 21.99 ft	1

Flood Crest-Height above Flood Stage	Total Flood Crest Occurence
22 ft to 22.99 ft	1
23 ft to 23.99 ft	2
24 ft to 24.99 ft	0
25 ft to 25.99 ft	1
26 ft to 26.99 ft	1
27 ft to 27.99 ft	0
28 ft to 28.99 ft	0
29 ft to 29.99 ft	0
30 ft to 30.99 ft	0
31 ft to 31.99 ft	0

Flood Crest-Height above Flood Stage	Total Flood Crest Occurence
32 ft to 32.99 ft	2
33 ft to 33.99 ft	0
34 ft to 34.99 ft	1
35 ft to 35.99 ft	0
36 ft to 36.99 ft	0
37 ft to 37.99 ft	0
38 ft to 38.99 ft	0
39 ft to 39.99 ft	0
40 ft to 40.99 ft	0
41 ft to 41.99 ft	0

Drainage Area: 1634 sq mi  
Gage Datum: 468.93 ft MSL

Data represents all historical floods.  
Shenandoah Basin

County of Gage: Warren  
County of Forecast Point: Warren

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Flood Crest-Height above Flood Stage	Total Flood Crest Occurrence	Percent of Flood Crest Occurrence
12 ft to 12.99 ft	11	22.4
13 ft to 13.99 ft	8	16.3
14 ft to 14.99 ft	5	10.2
15 ft to 15.99 ft	6	12.2
16 ft to 16.99 ft	2	4.1
17 ft to 17.99 ft	3	6.1
18 ft to 18.99 ft	4	8.2
19 ft to 19.99 ft	1	2
20 ft to 20.99 ft	0	0
21 ft to 21.99 ft	1	2
22 ft to 22.99 ft	1	2
23 ft to 23.99 ft	2	4.1
24 ft to 24.99 ft	0	0
25 ft to 25.99 ft	1	2
26 ft to 26.99 ft	1	2

Flood Crest-Height above Flood Stage	Total Flood Crest Occurrence	Percent of Flood Crest Occurrence
27 ft to 27.99 ft	0	0
28 ft to 28.99 ft	0	0
29 ft to 29.99 ft	0	0
30 ft to 30.99 ft	0	0
31 ft to 31.99 ft	0	0
32 ft to 32.99 ft	2	4.1
33 ft to 33.99 ft	0	0
34 ft to 34.99 ft	1	2
35 ft to 35.99 ft	0	0
36 ft to 36.99 ft	0	0
37 ft to 37.99 ft	0	0
38 ft to 38.99 ft	0	0
39 ft to 39.99 ft	0	0
40 ft to 40.99 ft	0	0
41 ft to 41.99 ft	0	0

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Last Flood: 5/16/2014

Number of Floods: 49

Flood Crest-Height above Flood Stage	Cumulative Total Flood Occurence	Cumulative Percent of Flood Occurence
12 ft to 12.99 ft	49	100
13 ft to 13.99 ft	38	77.3
14 ft to 14.99 ft	30	61
15 ft to 15.99 ft	25	50.8
16 ft to 16.99 ft	19	38.6
17 ft to 17.99 ft	17	34.5
18 ft to 18.99 ft	14	28.4
19 ft to 19.99 ft	10	20.2
20 ft to 20.99 ft	9	18.2
21 ft to 21.99 ft	9	18.2
22 ft to 22.99 ft	8	16.2
23 ft to 23.99 ft	7	14.2
24 ft to 24.99 ft	5	10.1
25 ft to 25.99 ft	5	10.1
26 ft to 26.99 ft	4	8.1

Flood Crest-Height above Flood Stage	CumulativeTotal Flood Occurence	Cumulative Percent of Flood Occurence
27 ft to 27.99 ft	2	6.1
28 ft to 28.99 ft	2	6.1
29 ft to 29.99 ft	2	6.1
30 ft to 30.99 ft	2	6.1
31 ft to 31.99 ft	2	6.1
32 ft to 32.99 ft	2	6.1
33 ft to 33.99 ft	0	2
34 ft to 34.99 ft	1	2
35 ft to 35.99 ft	0	0
36 ft to 36.99 ft	0	0
37 ft to 37.99 ft	0	0
38 ft to 38.99 ft	0	0
39 ft to 39.99 ft	0	0
40 ft to 40.99 ft	0	0
41 ft to 41.99 ft	0	0

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