



Building Flood Profile



333 Laidley St

Saint Francis Hospital

Image © 2025 Airbus



333 LAIDLEY ST, Charleston, WV, 25301

20-11-0009-0017-0000 333

Building Flood Profile



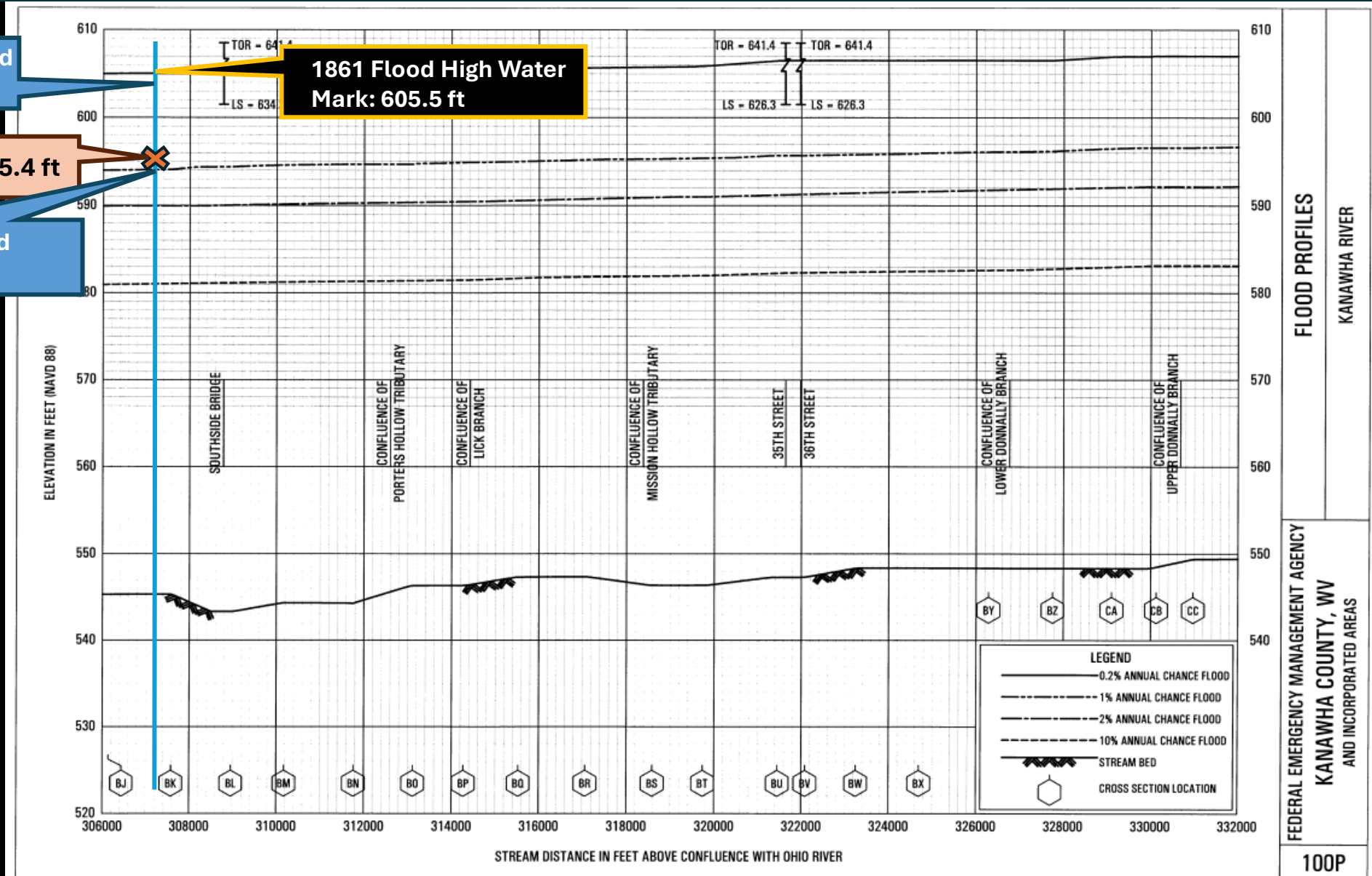


Probability and Height of Flood in a year

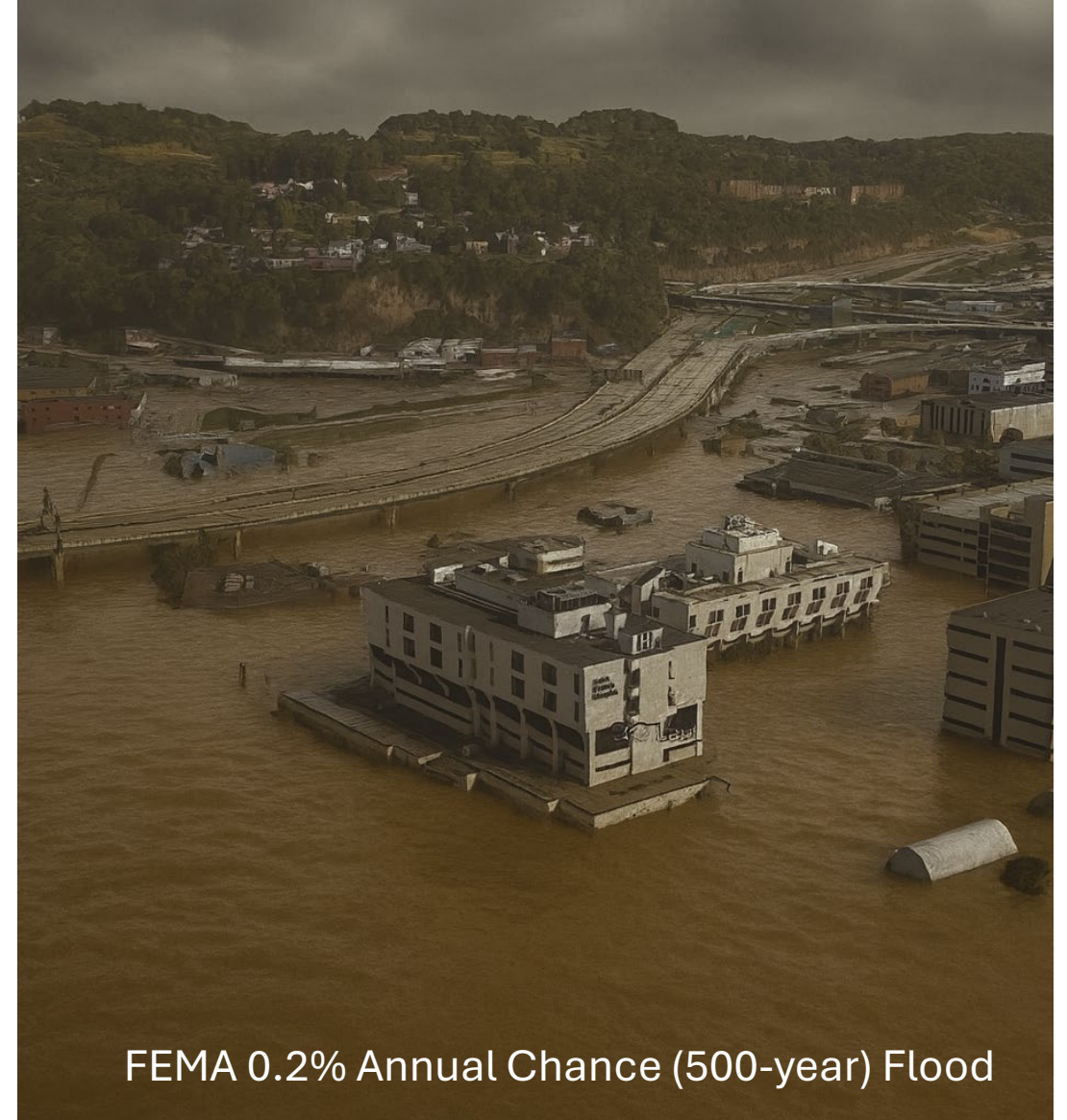
FEMA (2008) 500-year Flood
Elevation: 604 ft

Building's Elevation: 595.4 ft

FEMA (2008) 100-year Flood
Elevation: 594 ft



Saint Francis Hospital, Charleston, WV





0'ft (FEMA 1% / 100-Yr)



FEMA, Effective 2008

First Street Foundation (FSF, 2022)

1861 Flood High Water Mark

Dam Failure

10' ft (FEMA 0.2% / 500-Yr)

0' ft (FEMA 1% / 100-Yr)



FEMA, Effective 2008

First Street Foundation (FSF, 2022)

1861 Flood High Water Mark

Dam Failure

11.5' ft (1861 High Water Mark)

10' ft (FEMA 0.2% / 500-Yr)

0' ft (FEMA 1% / 100-Yr)

EMERGENCY

Flood Level

11.1 ft. Water Depth
(Sutton Dam Failure)

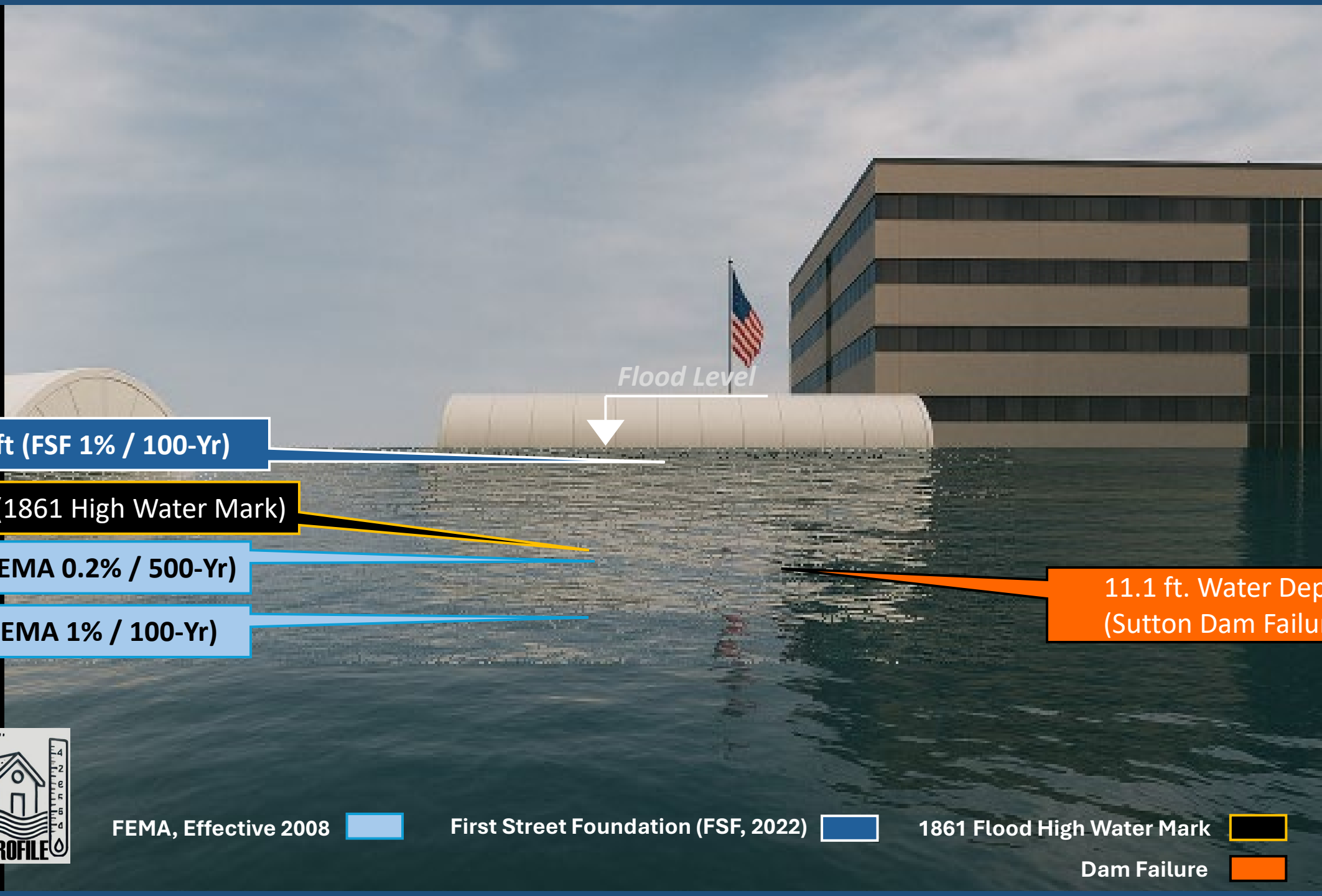


FEMA, Effective 2008

First Street Foundation (FSF, 2022)

1861 Flood High Water Mark

Dam Failure



15.5' ft (FSF 1% / 100-Yr)

11.5' ft (1861 High Water Mark)

10' ft (FEMA 0.2% / 500-Yr)

0' ft (FEMA 1% / 100-Yr)

11.1 ft. Water Depth
(Sutton Dam Failure)

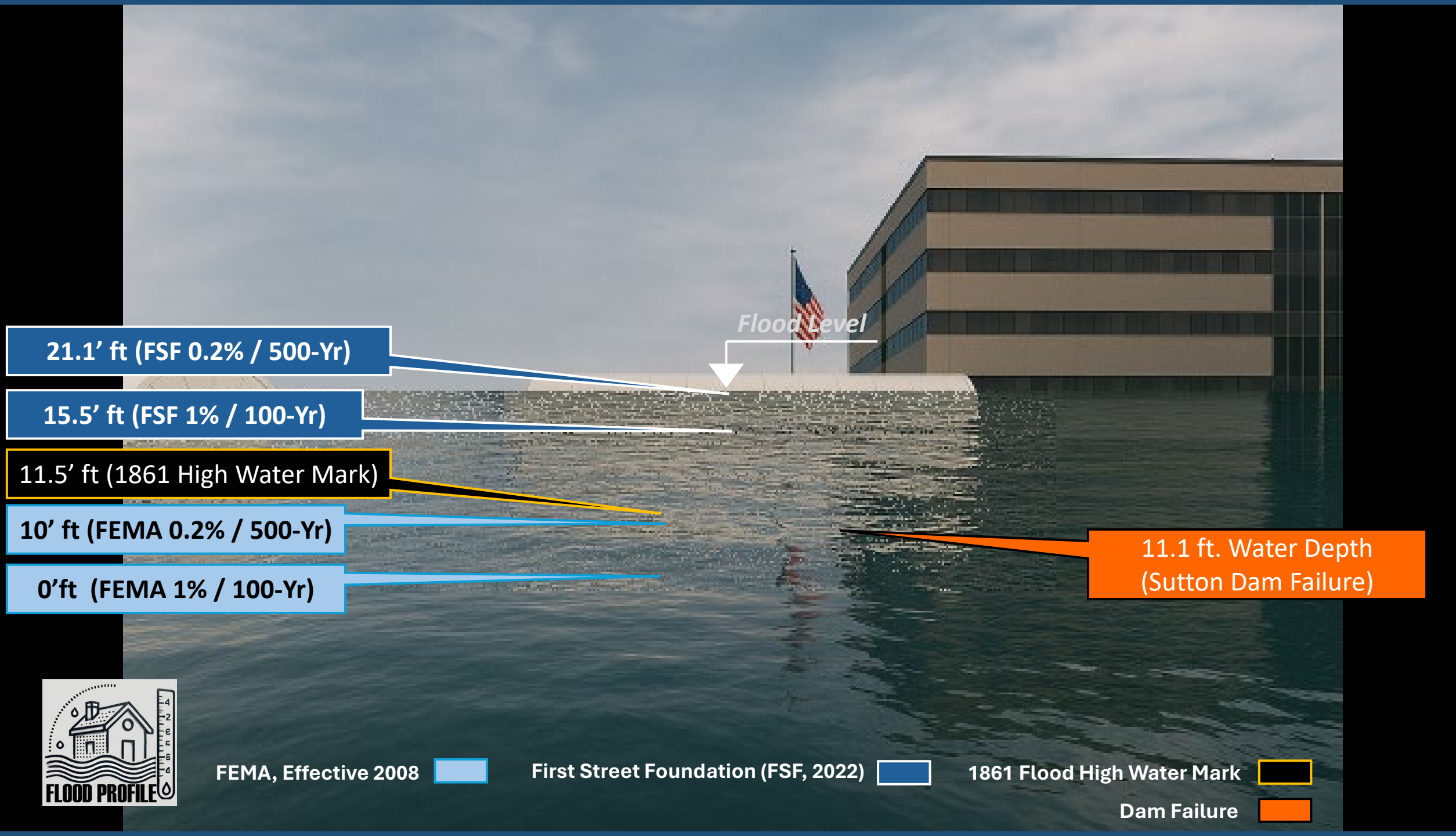


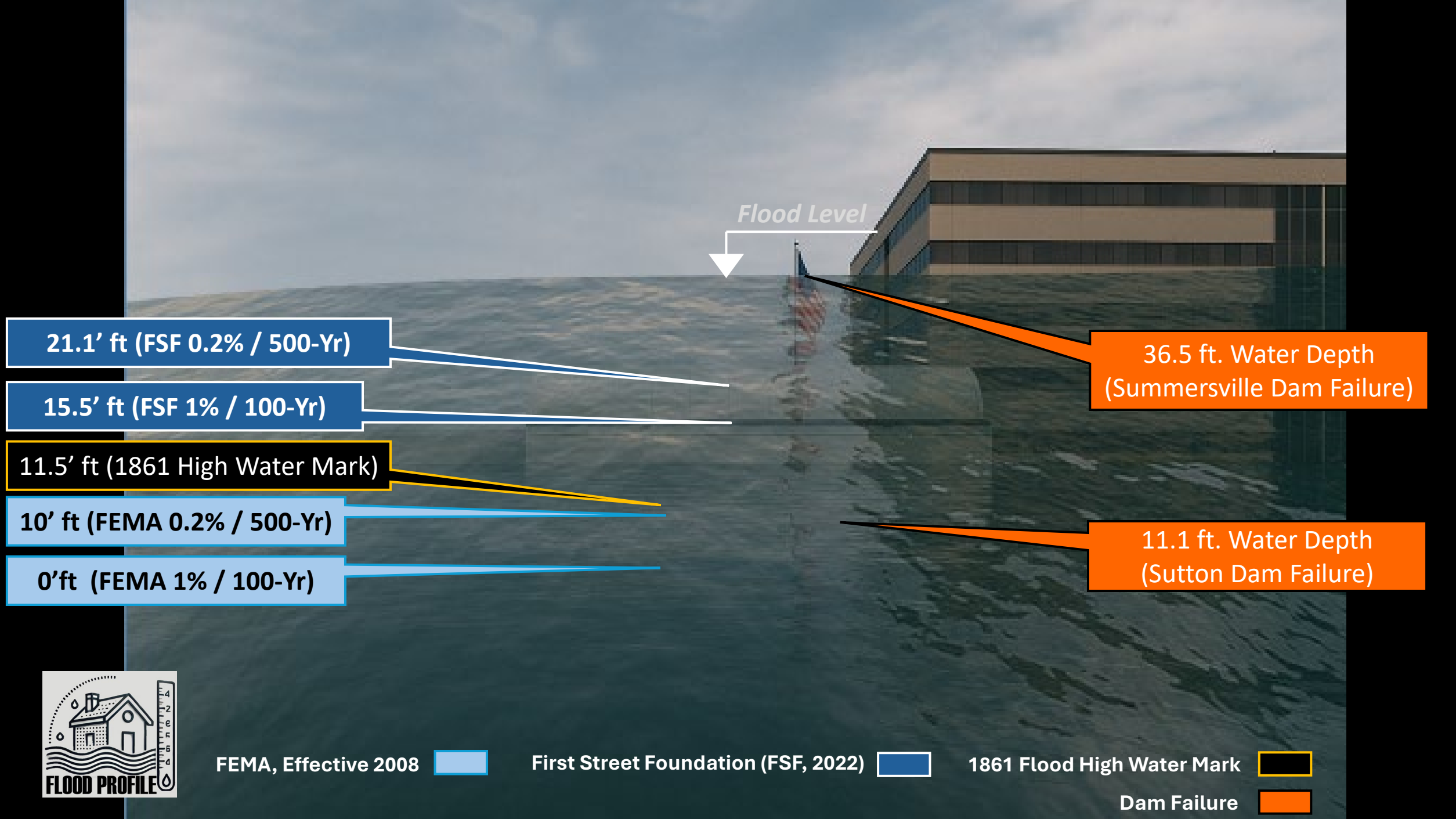
FEMA, Effective 2008

First Street Foundation (FSF, 2022)

1861 Flood High Water Mark

Dam Failure



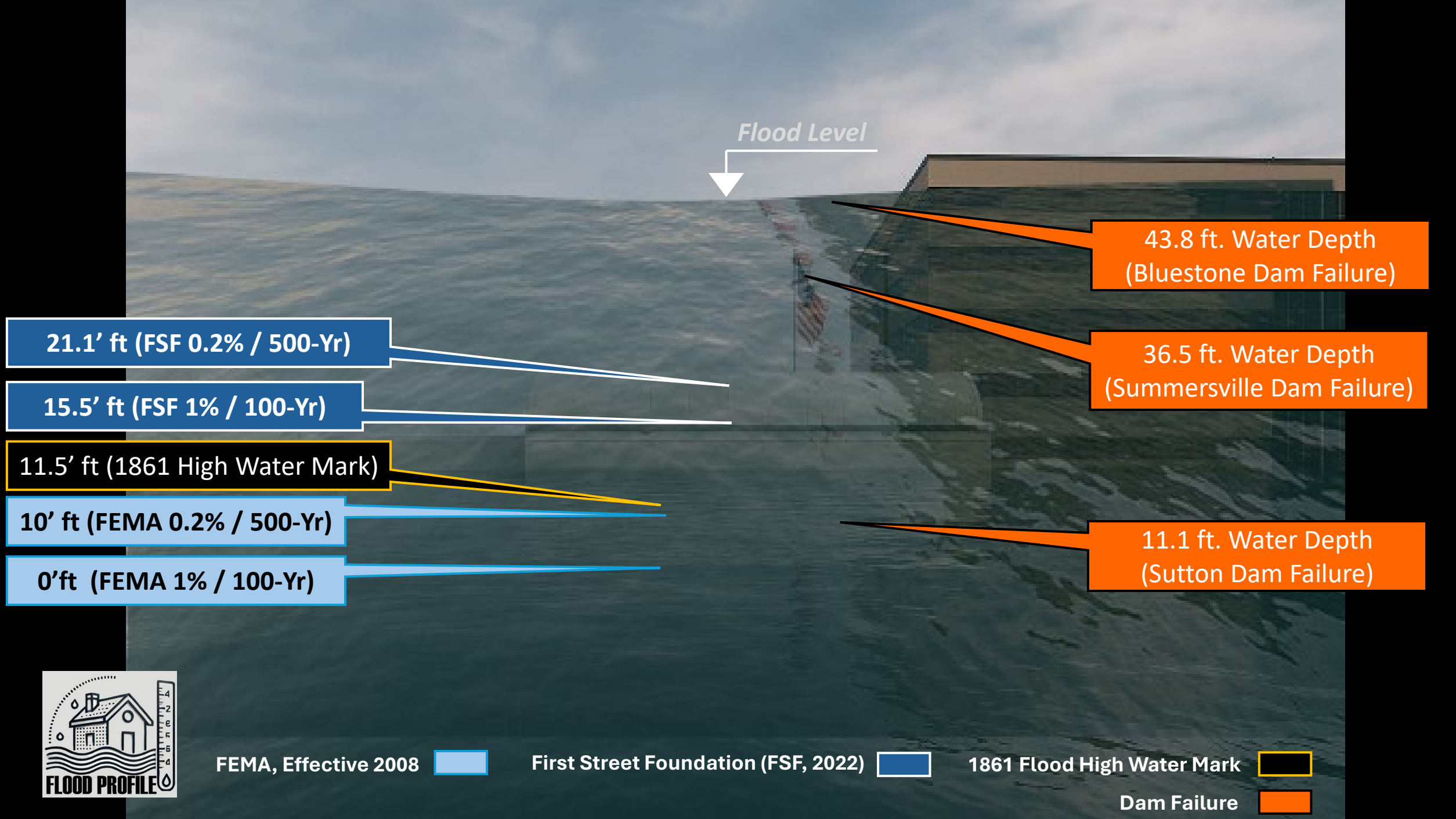


FEMA, Effective 2008

First Street Foundation (FSF, 2022)

1861 Flood High Water Mark

Dam Failure



FEMA, Effective 2008

First Street Foundation (FSF, 2022)

1861 Flood High Water Mark

Dam Failure



September 1861 Flood

According to USGS, 1952

Maximum known flood stages and discharges in West Virginia—Continued

Stream and place of determination	Drainage area (square miles)	Datum of gage in feet above mean sea level	Period of known floods	Peak stage and discharge			
				Date	Stage in feet	Discharge	
						Second-feet	Second-feet per square mile
<i>Little Kanawha basin—Continued</i>							
North Fork Yellow Creek near Big Spring, W. Va.	1.51			Aug. 5, 1943		4,700	3,100
West Fork Little Kanawha River at Rocksdale, W. Va.	205	1 657.85	1928-43	Apr. 16, 1939	30.3	20,200	98.5
South Fork Hughes River at Macfarlan, W. Va.	210	1 635.28	1915-43	Uncertain	29	13,000	61.9
Hughes River at Cisko, W. Va.	453	1 605.35	1915-43	Jan. 22, 1917	30.25	25,700	56.8
Island Run at Girta, W. Va.	4.50			Aug. 5, 1943		6,300	1,400
<i>Kanawha River basin</i>							
New River at Glenlyn, Va.	3,768	1 1,489.76	1927-43	Aug. 14, 1940	27.5	226,000	60.0
New River near Hinton, W. Va.	4,600	1 1,368.49	1901-43	Apr. 21, 1901	24.2	234,000	50.8
		1 1,348.2	1878-1943	May 23, 1901			
				Sept. 13, 1878	20.2	260,000	41.6
New River at Hinton, W. Va.	6,257	1 1,355.18	1936-43	Aug. 15, 1940	18.97	246,000	39.3
New River at Caperton, W. Va.	6,826	1 938.44	1928-43	do	36.0	244,000	35.8
New River at Fayette, W. Va.	6,850	1 838.44	1878-1943	Sept. 13, 1878	53	310,000	45.3
Kanawha River at Kanawha Falls, W. Va.	8,367	1 623.20	1861-1943	Sept. 14, 1878	37.8	320,000	38.2
Kanawha River at London Dam, W. Va.	8,490	3 600.00	1935-43	Aug. 15, 1940	23.3		
		3 580.00			42.9		
Kanawha River at Marmet Dam, W. Va.	8,816	3 580.00	1935-43	do	21.4		
		3 560.00			40.8		
Kanawha River at Charleston, W. Va.	8,881	1 655.87	1822-1943	Sept. 29, 1861	46.9		
Kanawha River at Charleston, W. Va.	10,420	1 548.00	1939-43	Aug. 15, 1940	38.25	216,000	20.7
		3 560.00		Dec. 31, 1942	38.77		
Kanawha River at Winfield Dam, W. Va.	11,810	3 530.00	1939-43	Dec. 31, 1942	15.30		
					45.05		
Rich Creek at Peterstown, W. Va.	50.6	1 565.94	1941-43	Mar. 13, 1943	4.90	1,390	27.5
Indian Creek at Indian Mills, W. Va.	189	1 472.54	1941-43	do	9.09	4,560	24.1
Bluestone River at Lilly, W. Va.	438	1 433.7	1908-16	Mar. 25, 1935	11.0	16,600	37.9
			1929-43				

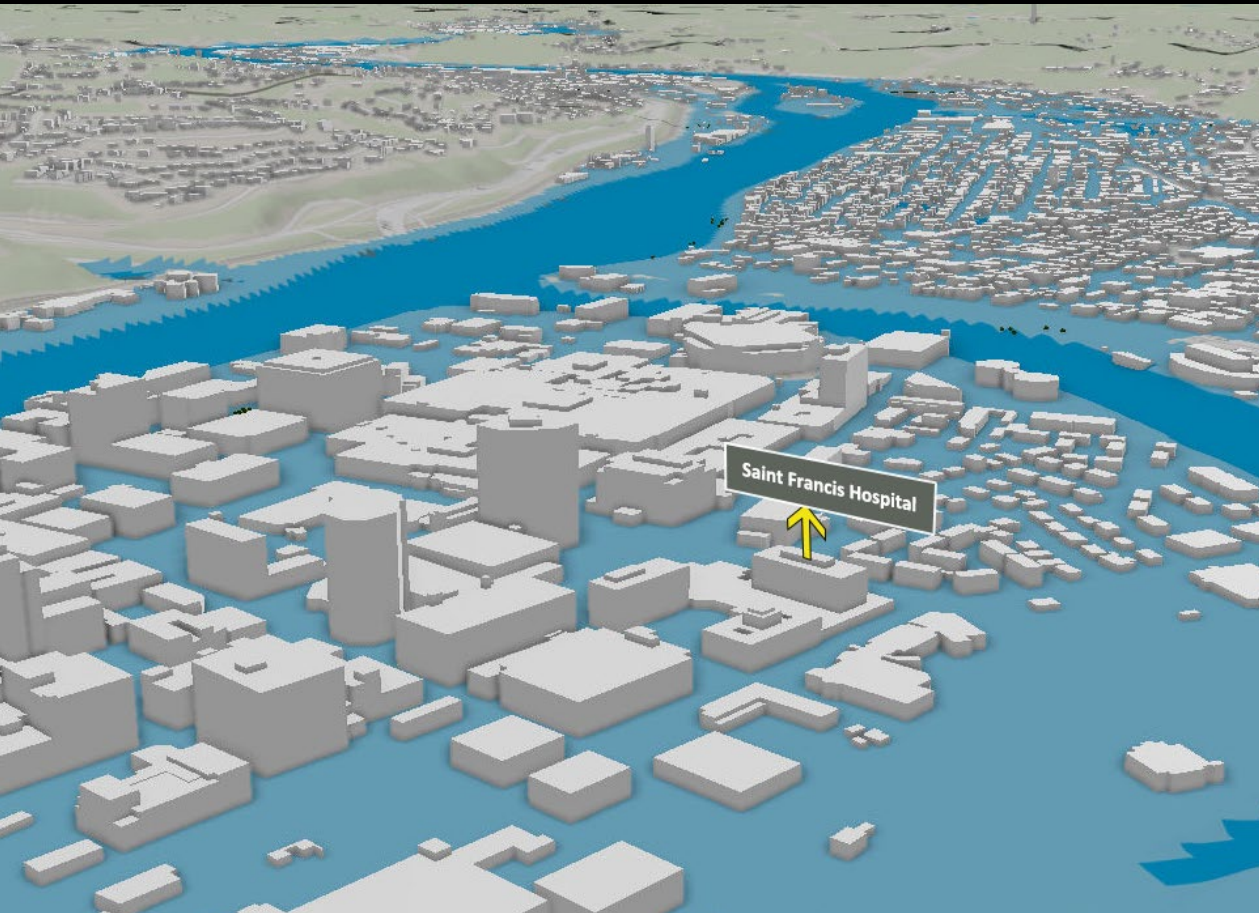
Gauge Location



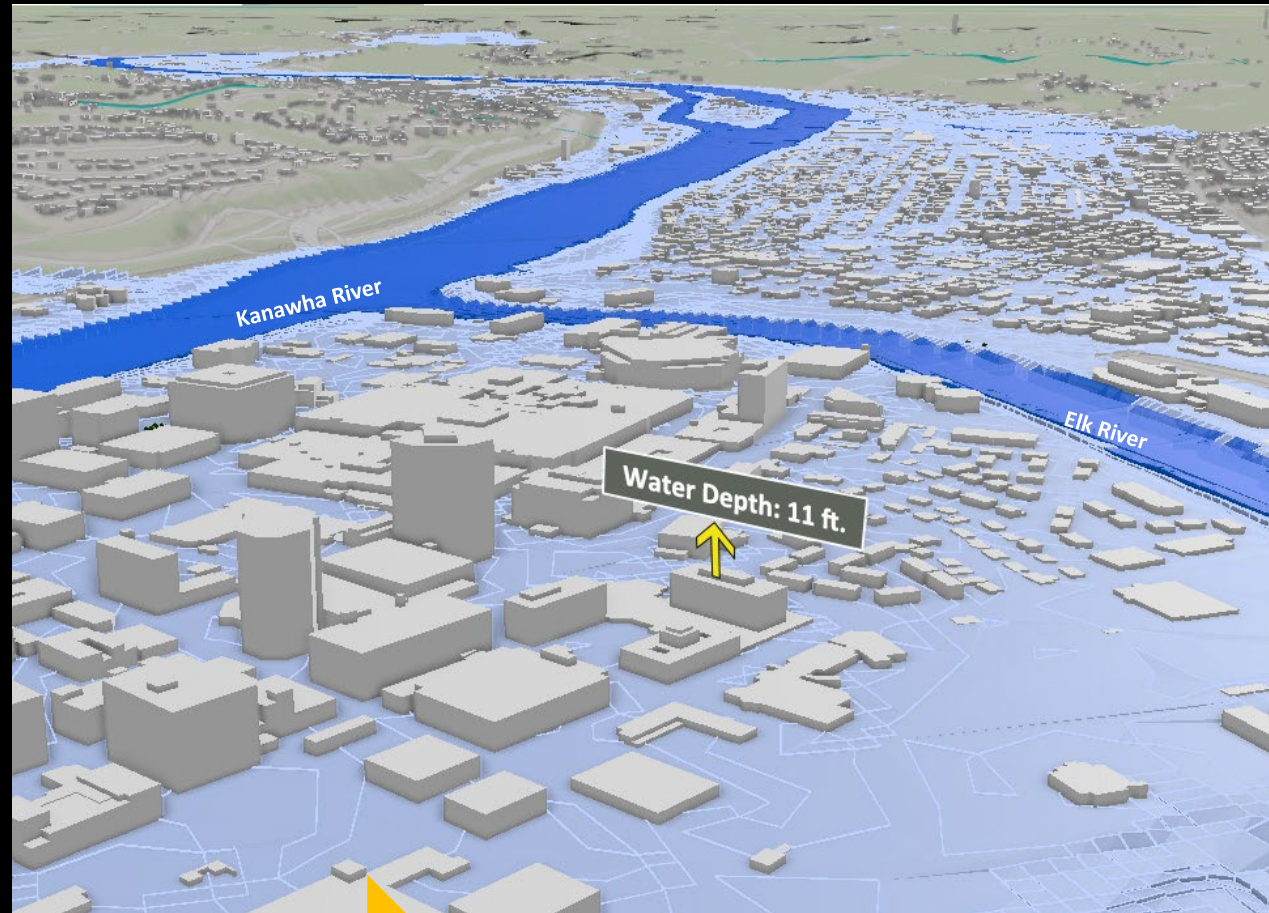
The U.S. Weather Bureau gage at river mile 58.5 on the Kanawha River reached an elevation of 605.5 feet, 5.3 feet higher than the second-highest flood of record at Charleston, which occurred in September 1878 (USACE 1958).



Sutton Dam Maximum Height



The extent of the inundated area

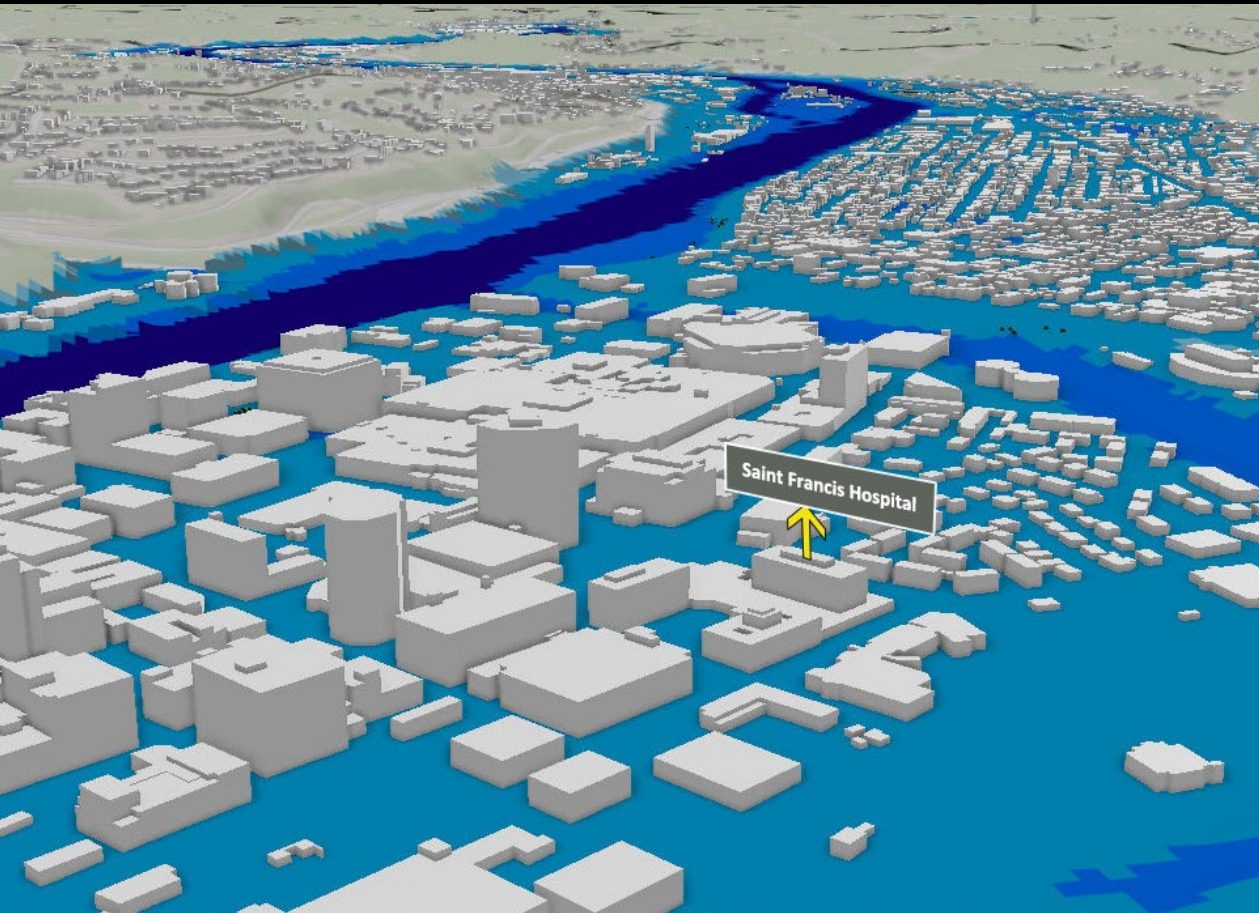


Water Height

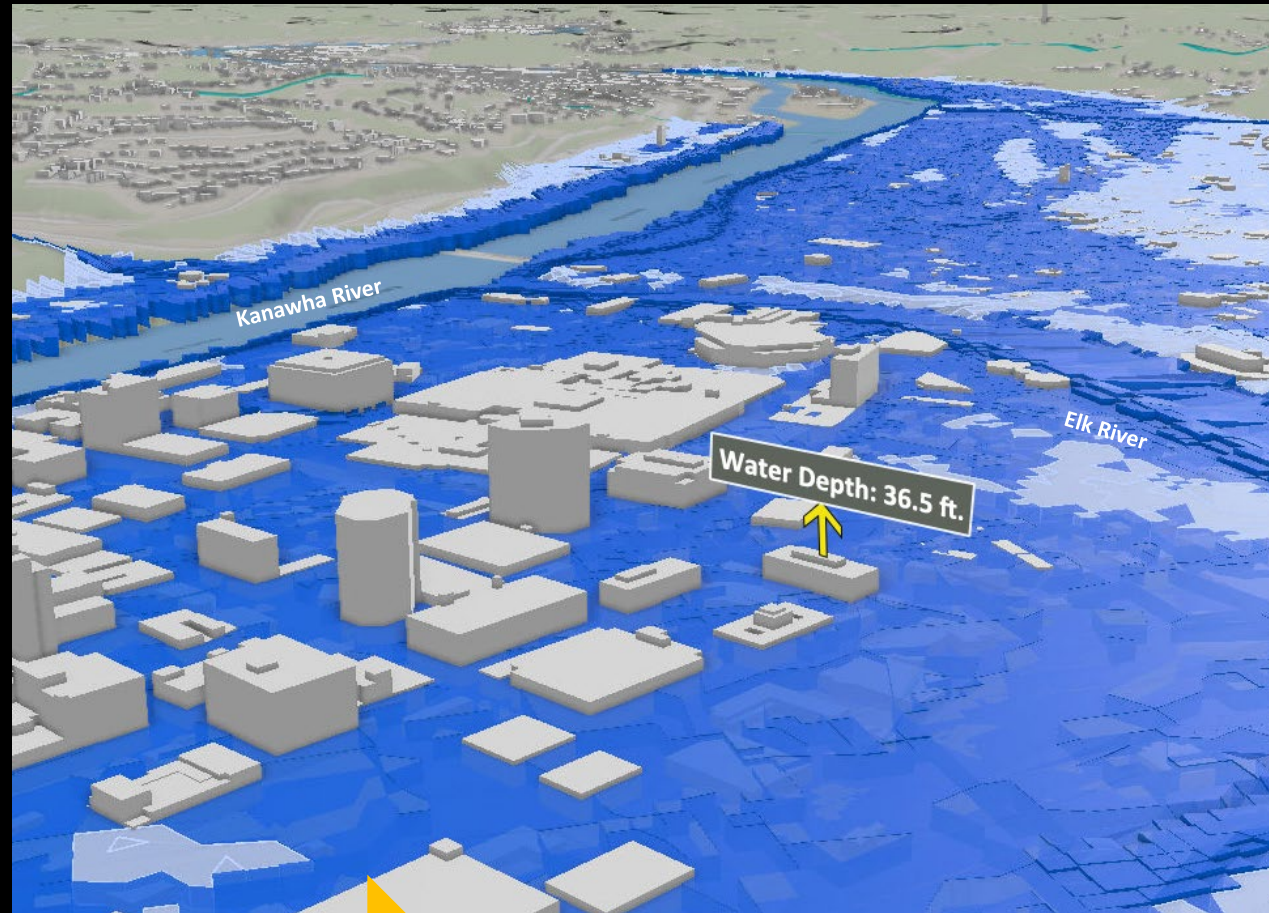
Maximum High (MH) is the pool level near the top of dam resulting from water flowing into the reservoir from heavy rainfall, snowmelt, or other significant high-water events.



Summersville Dam Maximum Height

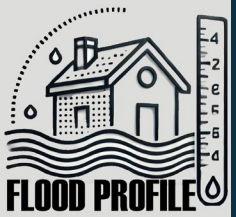


The extent of the inundated area

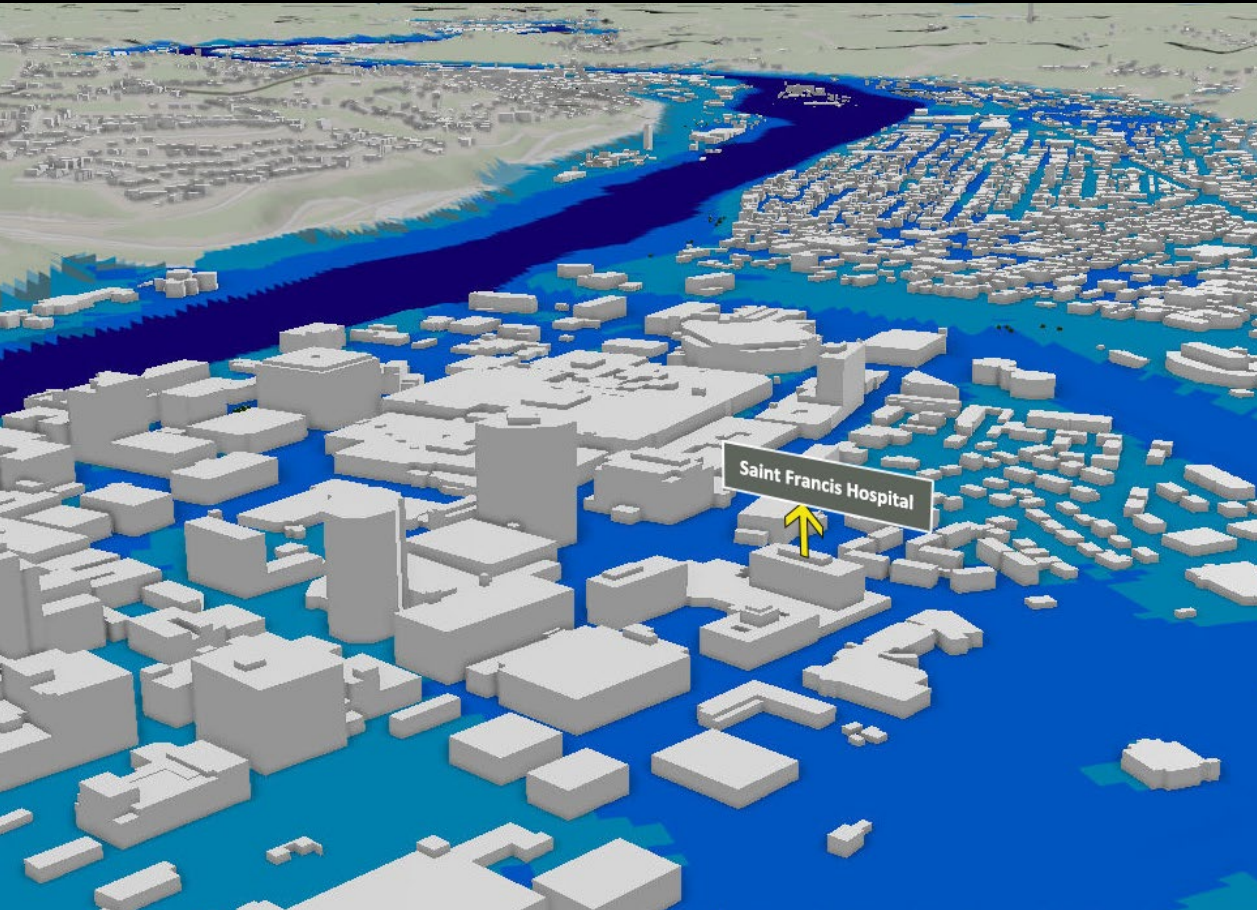


Water Height

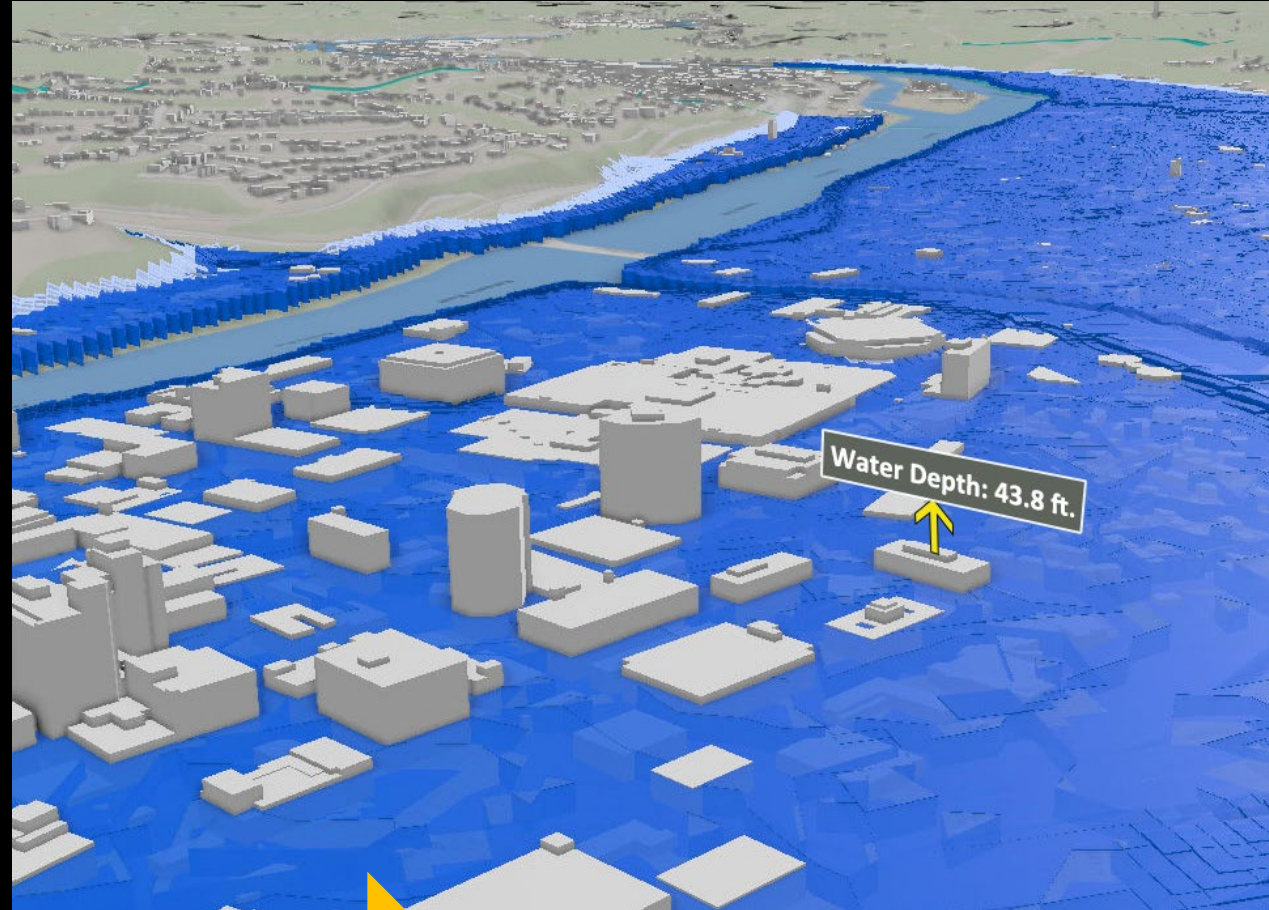
Maximum High (MH) is the pool level near the top of dam resulting from water flowing into the reservoir from heavy rainfall, snowmelt, or other significant high-water events.



Bluestone Dam Maximum Height



The extent of the inundated area



Water Height

Maximum High (MH) is the pool level near the top of dam resulting from water flowing into the reservoir from heavy rainfall, snowmelt, or other significant high-water events.