

By
Gerald S. Runner
1979

PHOTOGRAPHS—Selected flood and damage photographs with appropriate caption and credit are shown in figures 6-8 covering the flood area.

Station No.	Station name	Period of record	Drainage area (mi ²)	April 1977 peak discharge (cfs)	Unit discharge (10 ³ ft ³ /mi ² /hr)	Recurrence interval (years)
Unmeasured	Ty Fork at West of W. Va.		181	11,300	63	—
0313000	Ty Fork at Litwell, W. Va.	1930-77	502	54,500	109	>100
0313150	Panther Creek near Panther, W. Va.	1946-77	30.8	6,600	214	> 50
0321700	Ty Fork at Williamson, W. Va.	1967-77	912	94,000	101	>100
Unmeasured	Pigeon Creek near Lenore, W. Va.		913	8,700	96	—
0321400	Ty Fork at Kernell, W. Va.	1934-77	1,185	104,000	88	>100
0321490	Ty Fork at Glengasken, W. Va.	1976-77	1,500	49,000	33	—

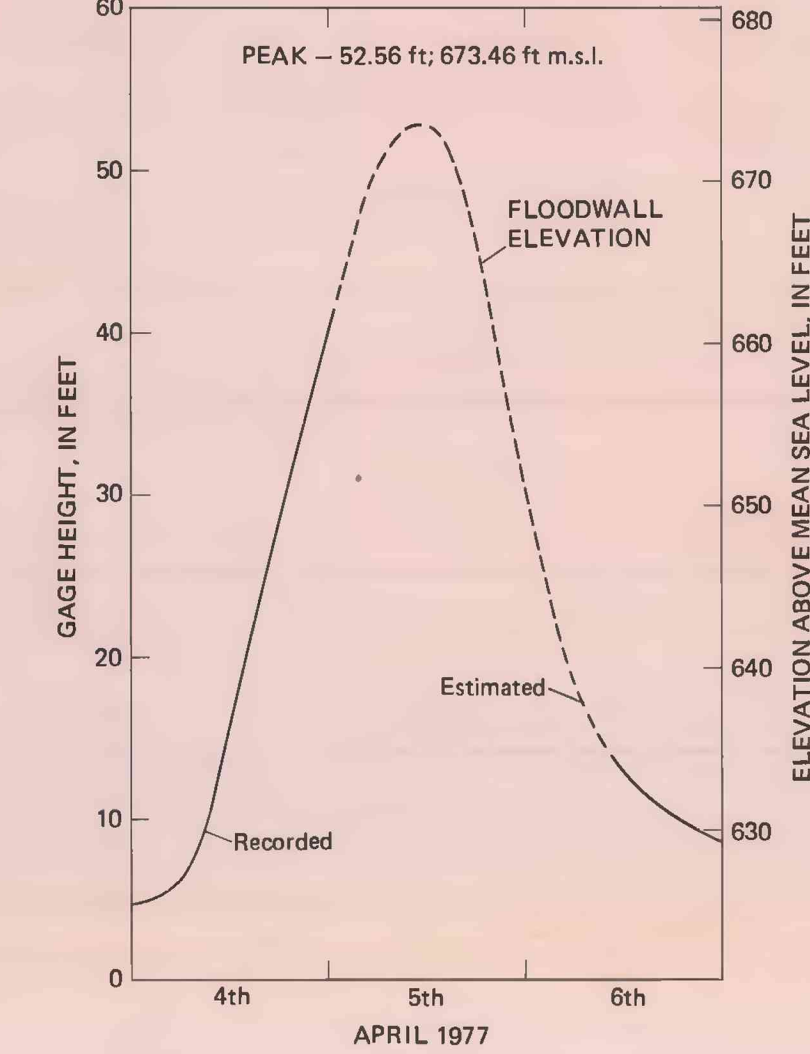


Figure 1. - Stage frequency curve for Tug Fork at Williamson at

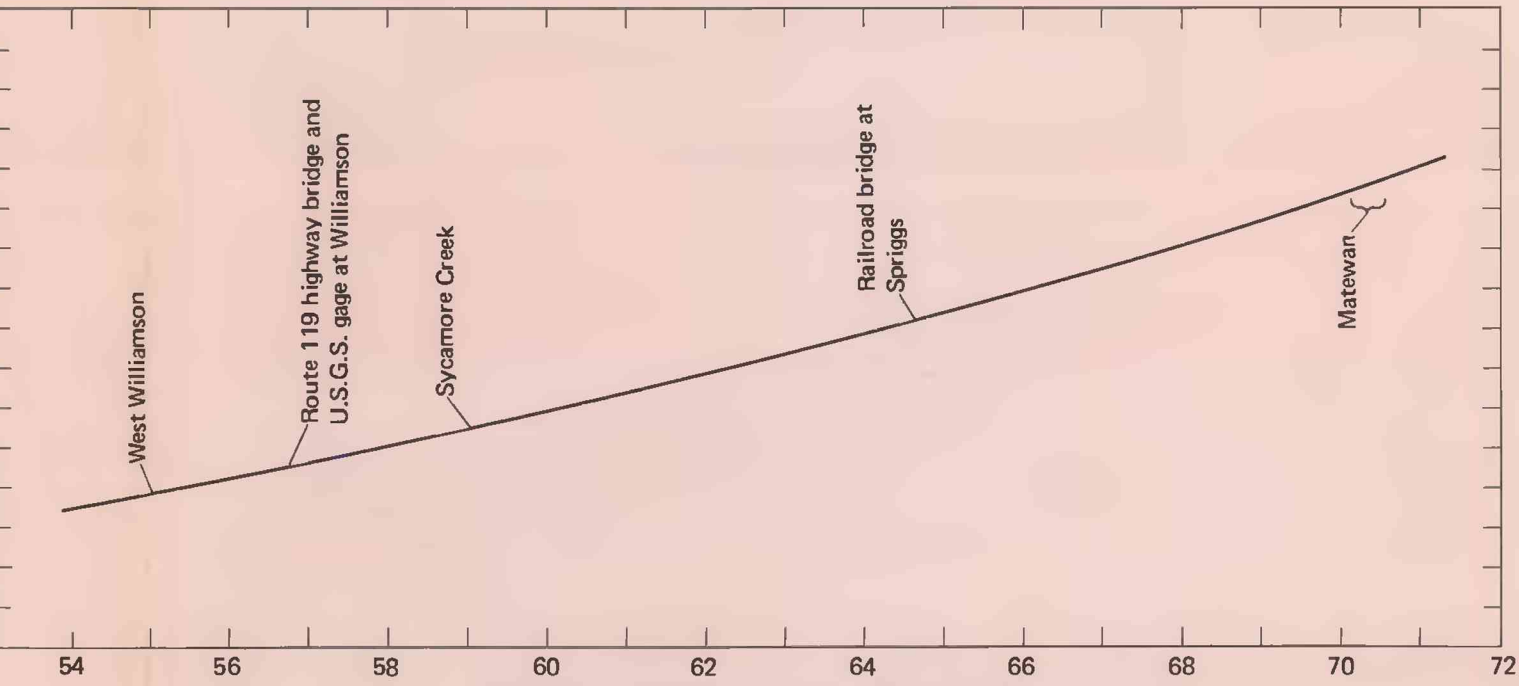


Figure 3. — Profile of April 1977 flood crest, Matewan to Williamson, W. Va.

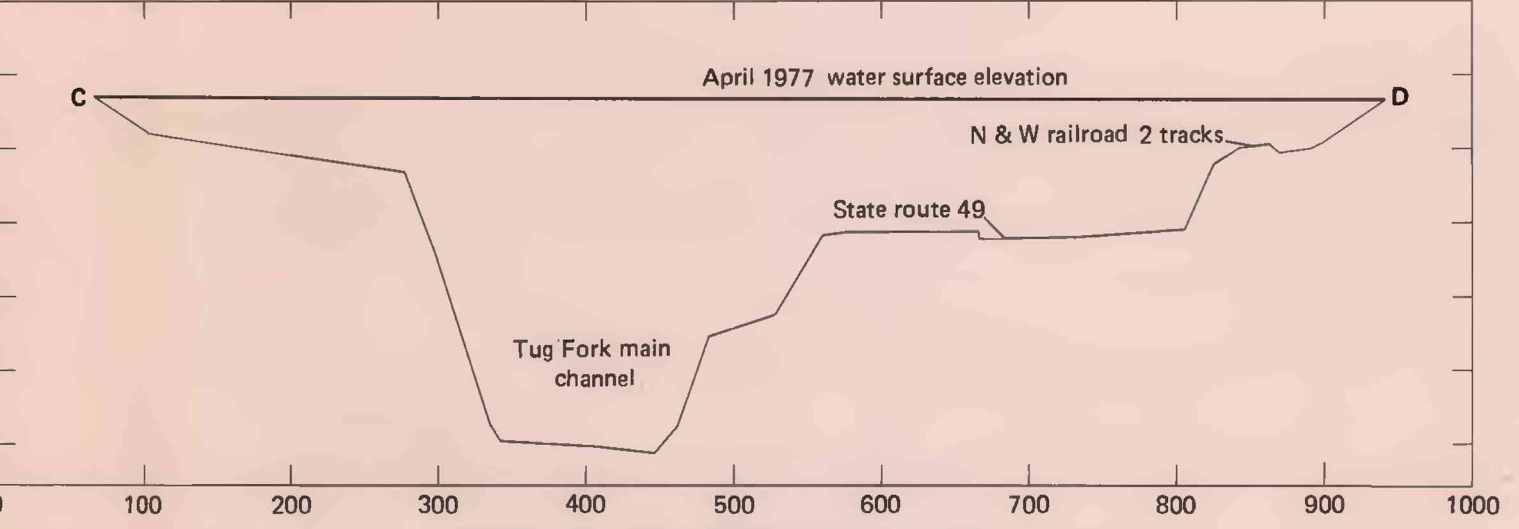


Figure 5. — Cross section of Tug Fork at Matewan, river mile 70.0