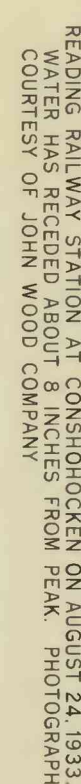


FLOODS ON SCHUYLKILL RIVER FROM CONSHOHOCKEN TO PHILADELPHIA, PENNSYLVANIA

By
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1967



FLOODS ON SCHUYLKILL RIVER
FROM CONSHOHOCKEN TO PHILADEL

The approximate areas inundated by the floods of August

and Flat Rock Dams. The channel of the Schuylkill River

of record on the middle reach of the Schuylkill River. Flood

datum of 1929. Only for the U.S. Geological Survey gage at Fairmount Dam in Philadelphia are gage heights used, and

NO	DATE	DESCRIPTION	AMOUNT	BALANCE
1	1900	TO BALANCE	5.75	5.75
2	1900	BY CHECK	1.00	4.75
3	1900	BY CHECK	1.00	3.75
4	1900	BY CHECK	1.00	2.75
5	1900	BY CHECK	1.00	1.75
6	1900	BY CHECK	1.00	0.75
7	1900	BY CHECK	1.00	0.00
8	1900	BY CHECK	1.00	0.00
9	1900	BY CHECK	1.00	0.00
10	1900	BY CHECK	1.00	0.00
11	1900	BY CHECK	1.00	0.00
12	1900	BY CHECK	1.00	0.00
13	1900	BY CHECK	1.00	0.00
14	1900	BY CHECK	1.00	0.00
15	1900	BY CHECK	1.00	0.00
16	1900	BY CHECK	1.00	0.00
17	1900	BY CHECK	1.00	0.00
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32	1900	BY CHECK	1.00	0.00
33	1900	BY CHECK	1.00	0.00
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44	1900	BY CHECK	1.00	0.00
45	1900	BY CHECK	1.00	0.00
46	1900	BY CHECK	1.00	0.00
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73	1900	BY CHECK	1.00	0.00
74	1900	BY CHECK	1.00	0.00
75	1900	BY CHECK	1.00	0.00
76	1900	BY CHECK	1.00	0.00
77	190			

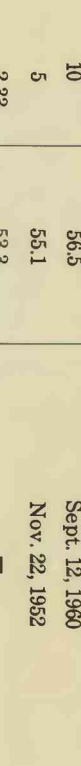
FIGURE 1.—Floods above 12.0-foot gage height, Schuylkill River

study reach. The flood-frequency relation was prepared using the regional curves defined by Tice (1958) for the main

Year	Total Population (%)	Male Population (%)	Female Population (%)
1900	10	12	8
1910	15	17	13
1920	20	22	18
1930	25	27	23
1940	30	32	28
1950	35	37	33
1960	40	42	38

FIGURE 2.—Frequency of floods on Schoharie River at Conso-

rence intervals greater than 10 years, the recurrence interval is virtually inversely related to the chance of a given flood



shown.

10	86.5	Sept. 12, 1960
5	55.1	Nov. 22, 1962

upstream from the mouth of the Schuylkill River as used by the Corps of Engineers, U.S. Army, and by the U.S. Geo-

water mark was obtained for the flood of September 2, 1880 no profile of this flood is shown.

Extent of Flooding.—The boundaries of inundation show

greater depth of flooding and higher currents with a correspondingly greater depth of flooding and higher currents with a correspondingly

In the reaches upstream from the dams there may be con-

tion. Although in recent years closing of many mines and construction and operation of impounding and desilting basins

The Corps of Engineers, U.S. Army, has made studies of the modification of flood elevations on the Schuylkill River.

ning will still be needed.

Molloy, J.J., 1960, Flood discharge records relating to Pennsylvania streams: Pennsylvania Department of Forest and Waters.

Department, City of Philadelphia; and the Corps of Engineers, U.S. Army. Information was also furnished by individuals,

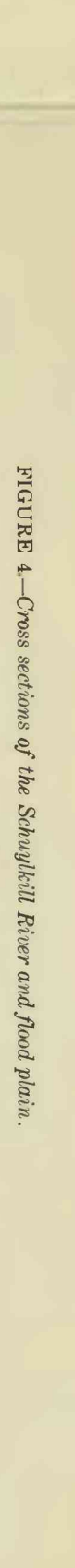
FIGURE 3.—*Profiles of the Schuylkill River*

FIGURE 4.—Cross sections of the Schoekkill River and flood plain.