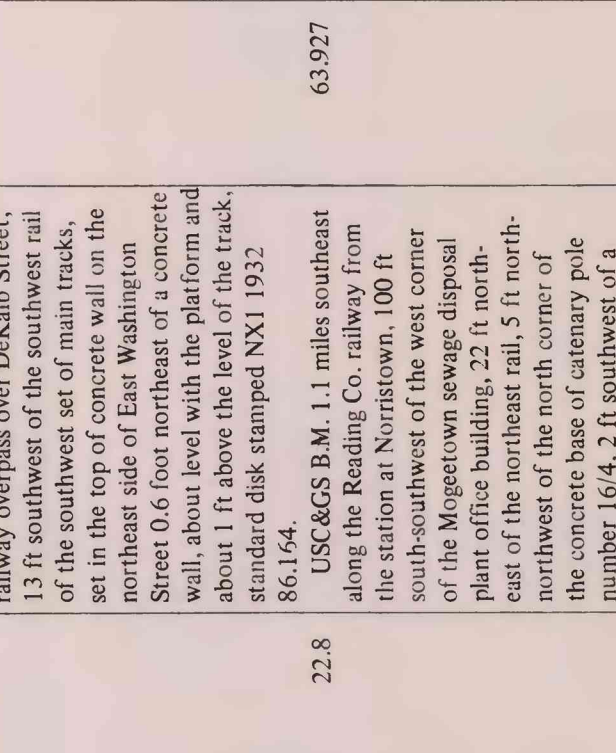


Field Investigation—Field investigations in the fall of 1968 and in winter and summer of 1969 yielded information on the elevation and extent of inundation of several floods. The low-water profile was obtained on September 30, 1969. Levels were run in the spring and fall of 1969, and the locations of high-water marks and cross sections are tied to

mean sea level, datum of 1929. The vertical control was maintained by levels tied to the bench marks listed in table 1.

[illegible]

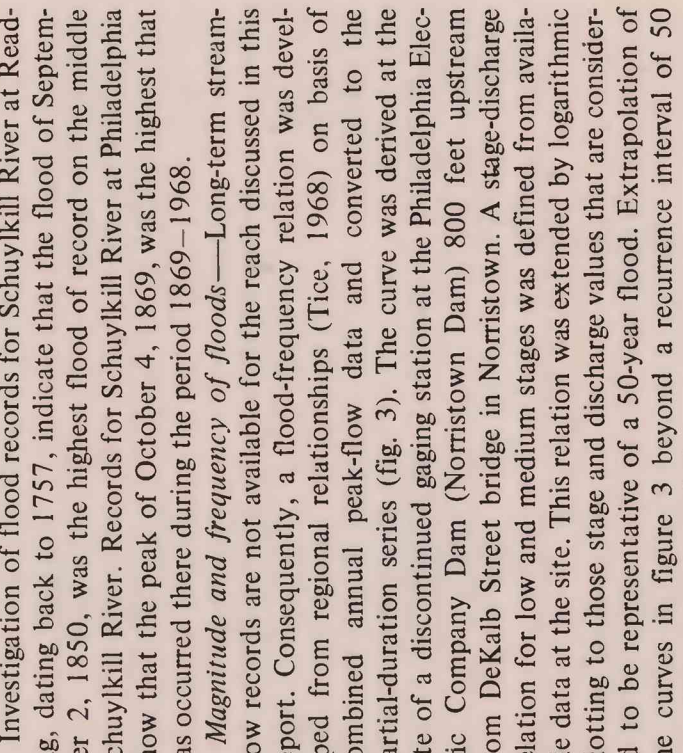
the Reading Co. railway, 11 ft south-east of the southeast abutment of the



chain-link fence, 1-1/4 ft below the level of the track, standard disk set

20.7	in the top of a concrete post, stamped "ML 1929 64186." U.S. Army Engineer monument No. 12. A standard brass disk set in top of right abutment of Plymouth Dam.	\$4.77
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Flood-crest elevations that have been determined at various points in the study area are tabulated in table 2.



years is not recommended.

Five highway and five railroad bridges cross the stream in the study section. The only dams in the study section are the Merristown Dam, which has an approximate height of 12 ft, and the Plymouth Dam, which has an approximate height of 9 feet. Catfish Dam, at mile 27.3, was removed during the Schuylkill River Dredging Project.

The flood plain—The channel of the Schuylkill River in the reach under study is flanked in most places by either natural high banks or railroad embankments; consequently, most locations the flood plain is very small. At low and medium stages there is little flooding, but at high stages there is extensive flooding at Perkinson Junction, Port Kennedy, Port Indian, Norristown, Bridgeport, and through the heavily industrialized area from Norristown to the mouth Dam. The average fall is about 2 feet per mile.

Data available—The only streamflow data collected on

the Schuylkill River within the operation zone in this report. The first operation was conducted at a gauging station located at the mouth of the river in 1931 (Fig. 1). The next two operations were conducted in 1937 and 1938. The last operation was conducted in 1991. The mean age of the fish was 4.1 years and the mean sex level datum of 1931 was 49.11 feet (Fig. 1). The mean age of the fish was 4.1 years and the mean sex level datum of 1991 was 49.11 feet (Fig. 1). The mean age of the fish was 4.1 years and the mean sex level datum of 1991 was 49.11 feet (Fig. 1). The mean age of the fish was 4.1 years and the mean sex level datum of 1991 was 49.11 feet (Fig. 1).

[illegible]

Year	Elevation (ft)
1909	124.5
1910	125.0
1911	124.5
1912	124.5
1913	124.5
1914	124.5
1915	124.5
1916	124.5
1917	124.5
1918	124.5
1919	124.5
1920	124.5
1921	124.5
1922	124.5
1923	124.5
1924	124.5
1925	124.5
1926	124.5
1927	124.5
1928	124.5
1929	124.5
1930	124.5
1931	124.5
1932	124.5
1933	124.5
1934	124.5
1935	124.5
1936	124.5
1937	124.5
1938	124.5
1939	124.5
1940	124.5
1941	124.5
1942	124.5
1943	124.5
1944	124.5
1945	124.5
1946	124.5
1947	124.5
1948	124.5
1949	124.5
1950	124.5
1951	124.5
1952	124.5
1953	124.5
1954	124.5
1955	124.5
1956	124.5
1957	124.5
1958	124.5
1959	124.5
1960	124.5
1961	124.5
1962	124.5
1963	124.5
1964	124.5
1965	123.5
1966	124.5
1967	124.5
1968	124.5
1969	124.5
1970	124.5

FIGURE 2.—Expected number of species per 1000 m² for 1000 m² plots.

EXTENT AND FREQUENCY OF FLOODS
ON SCHUYLKILL RIVER
NEAR NORRISTOWN, PENNSYLVANIA

[illegible][illegible]

tributaries of the river—The area described in this report is the confluence of the Schuylkill River and the flood plain from the Schuylkill River. The area is bounded by the Schuylkill River to the west, the flood plain to the east, and the Schuylkill River to the south. The area is bounded by the Schuylkill River to the north. All river miles in the report are miles upstream from the confluence of the Schuylkill River and the flood plain. The area is bounded by the Schuylkill River to the west, the flood plain to the east, and the Schuylkill River to the south. The area is bounded by the Schuylkill River to the north.

1

100

100

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