FLOODS AT ZANESVILLE, OHIO

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FLOODS ON LICKING RIVER AT ZANESVILLE, OHIO, IN 1933

Hydrologic data relating to the depth and frequency of flooding along the Licking River in Ohio were obtained during the flood of 1933. These data were based on the rising stage of the Licking River at Zanesville, January 3-7, 1933, and on the rising stage of the Licking River at Utica, January 26-28, 1933. The rising stage at Zanesville was determined by the U.S. Geological Survey, and the rising stage at Utica was determined by the U.S. Weather Bureau. The data were analyzed by the U.S. Geological Survey.

Flood frequency—Frequency of flooding on the Licking River at Utica has been determined for all areas of the river, and the data are reported in the Smith's Quarterly Journal of Science and Technology. The Smith's Quarterly Journal of Science and Technology contains a table giving the frequency of flooding for all areas of the river. The table includes data for areas not included in the report, but the data are not used in this analysis.

Flood depth—The depth of flooding at any point along the Licking River is determined by subtracting the elevation of the flood plain from the elevation of the river. The data are reported in the Smith's Quarterly Journal of Science and Technology.

Flood stage—The stage of the Licking River at Zanesville at the time of the flood is determined by the U.S. Geological Survey. The data are reported in the Smith's Quarterly Journal of Science and Technology.

Flood duration—The duration of the flood is determined by the U.S. Geological Survey. The data are reported in the Smith's Quarterly Journal of Science and Technology.

Flood volume—The volume of the flood is determined by the U.S. Geological Survey. The data are reported in the Smith's Quarterly Journal of Science and Technology.

Flood discharges—The discharges of the Licking River at Zanesville during the flood are determined by the U.S. Geological Survey. The data are reported in the Smith's Quarterly Journal of Science and Technology.

Flood damage—The damage caused by the flood is determined by the U.S. Geological Survey. The data are reported in the Smith's Quarterly Journal of Science and Technology.