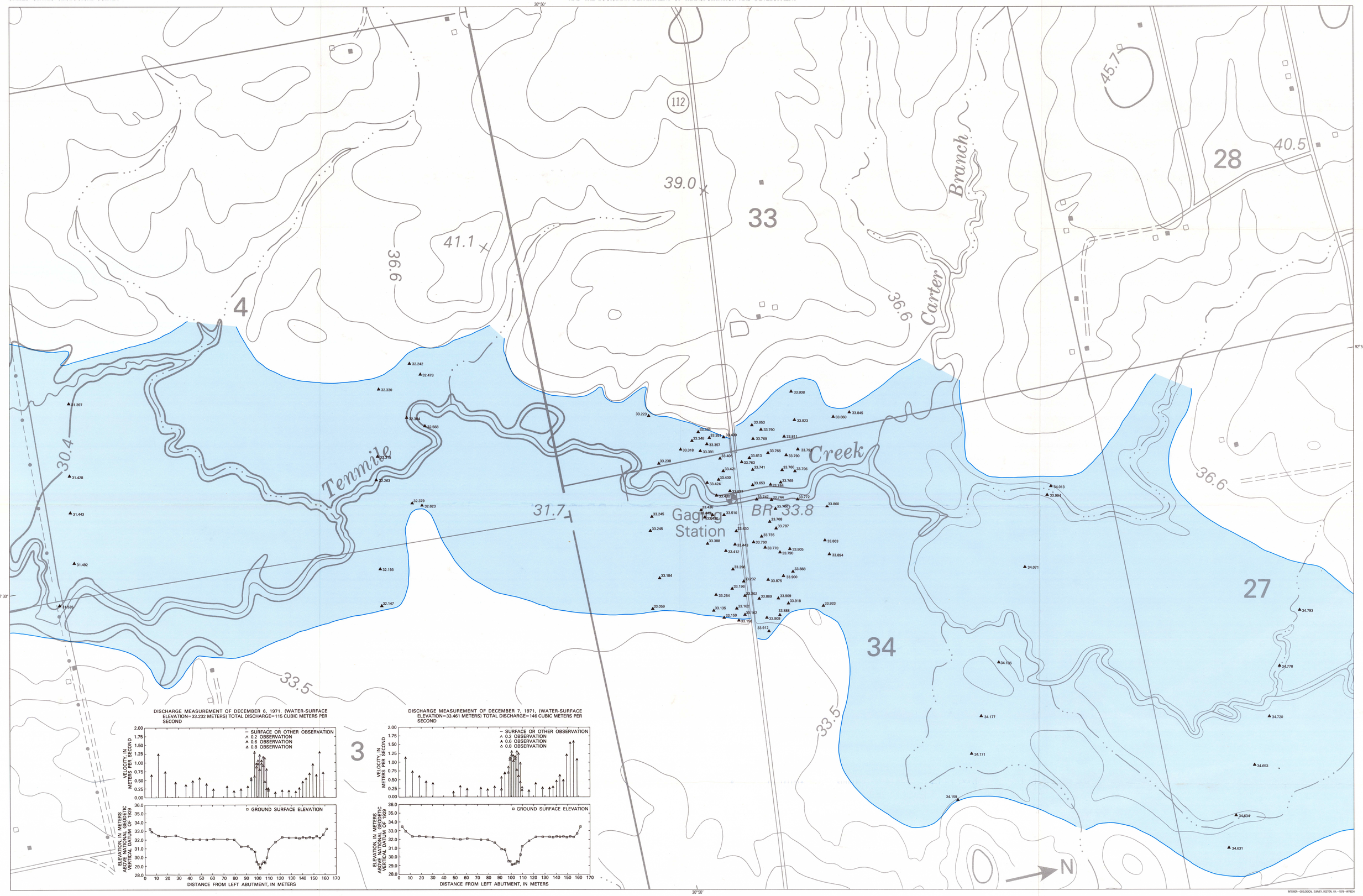
Prepared in cooperation with the
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
AND THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT



Base from U.S. Geological Survey
Grant 1:24,000, 1959 and Elizabeth
1:24,000, 1959

SCALE 1:4 000

0 50 100 200 300 400 500 600 700 800 900 1000 METERS

CONTOUR INTERVAL ABOUT 3 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

EXPLANATION

34.631 Elevation of water surface, December 7, 1971

Flood boundary, December 7, 1971

Manning Roughness Coefficient

Dense Woods, Swamps 0.15–0.20

EXAMPLE: If water depth is less than 0.6 meter, $n=0.20$. If water depth is greater than 1.0 meter, $n=0.15$ (Assume linear variation of n for water depths between 0.6 and 1.0 meter)

BACKWATER AT BRIDGES AND DENSELY WOODED FLOOD PLAINS, TENMILE CREEK NEAR ELIZABETH, LOUISIANA

By
George J. Arcement, B. E. Colson, and C. O. Ming

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