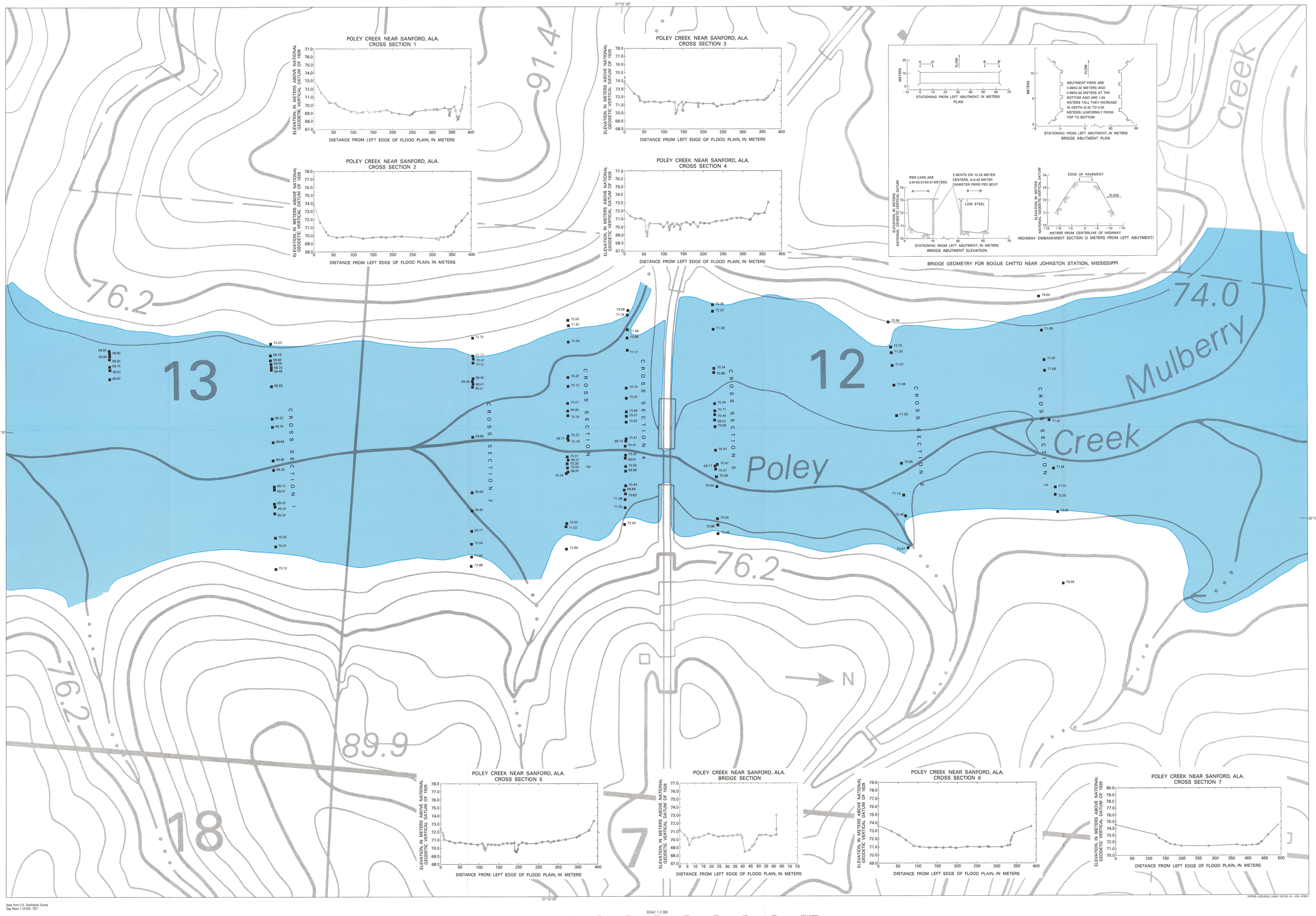
Prepared in cooperation with the
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
AND THE ALABAMA STATE HIGHWAY DEPARTMENT



Base from U.S. Geological Survey
Opp West 1:24 000, 1971

SCALE 1:2 000

0 10 20 30 40 50 100 150 200 250 300 350 400 450 500 METERS

CONTOUR INTERVAL ABOUT 3 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

EXPLANATION

70.47 Elevation of ground surface

Flood boundary March 12, 1973

Manning Roughness Coefficient

Dense woods, swamps 0.10–0.15

EXAMPLE: If water depth is less than 0.6 meter, $n = 0.15$. If water depth is greater than 1.0 meter, $n = 0.10$. (Assume linear variation of n for water depths between 0.6 and 1.0 meter).

BACKWATER AT BRIDGES AND DENSELY WOODED FLOOD PLAINS, POLEY CREEK NEAR SANFORD, ALABAMA

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

1978