



Base from U.S. Geological Survey
Em Park, 1:24,000, 1965

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BACKWATER AT BRIDGES AND DENSELY WOODED FLOOD PLAINS, ALEXANDER CREEK NEAR ST. FRANCISVILLE, LOUISIANA

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BRIDGE GEOMETRY FOR ALEXANDER CREEK NEAR ST. FRANCISVILLE, LOUISIANA

EXPLANATION

- 26.94 Elevation of ground surface, September 16, 1971
- Flood boundary, December 7, 1971
- Manning Roughness Coefficient
 - Low water channel 0.040-0.060
 - Open land, pasture 0.040-0.060
 - Light woods 0.100-0.150
 - Dense woods 0.150-0.200

EXAMPLE: If water depth is less than 0.6 meter, $n=0.200$. If water depth is greater than 1.0 meter, $n=0.150$ (assume linear variation of n for water depths between 0.6 and 1.0 meter)

