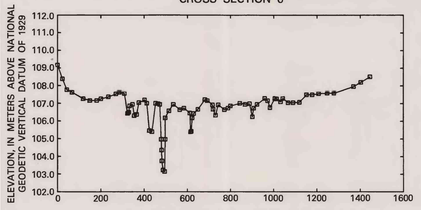
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

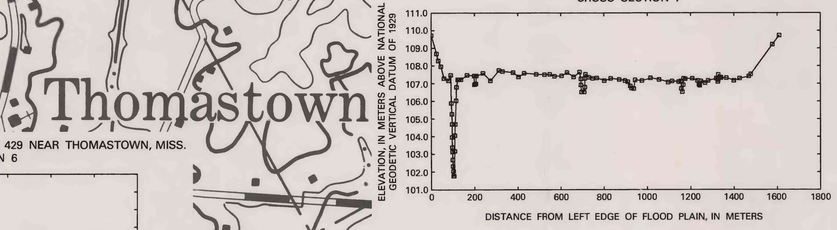
Prepared in cooperation with the
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
AND THE MISSISSIPPI STATE HIGHWAY DEPARTMENT

HYDROLOGIC INVESTIGATIONS
ATLAS HA-599 (SHEET 2B)

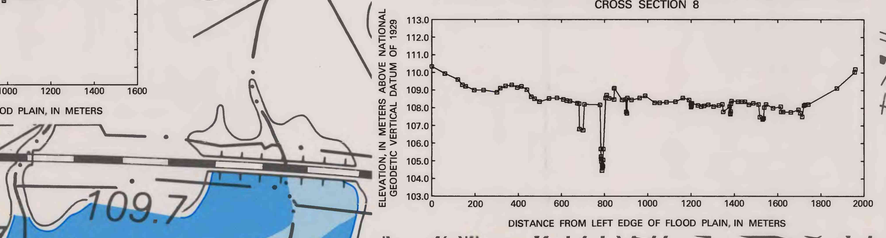
YOCKANOOKANY RIVER AT STATE HIGHWAY 429 NEAR THOMASTOWN, MISS.
CROSS SECTION 6

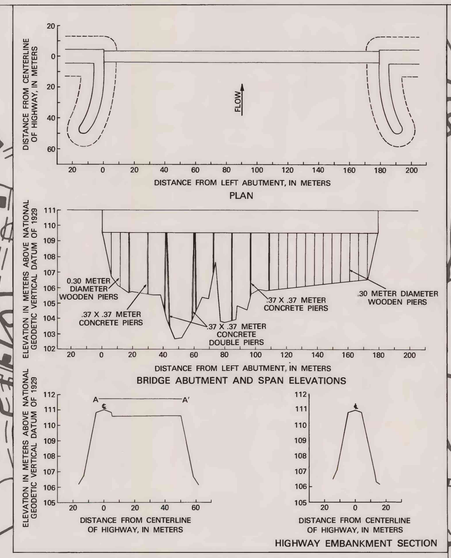


YOCKANOOKANY RIVER AT STATE HIGHWAY 429 NEAR THOMASTOWN, MISS.
CROSS SECTION 7

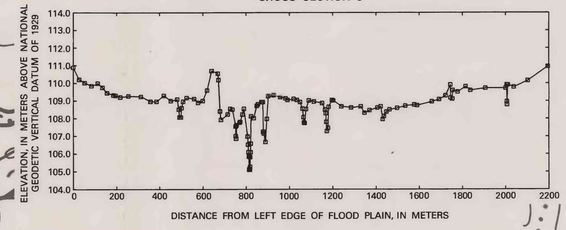


YOCKANOOKANY RIVER AT STATE HIGHWAY 429 NEAR THOMASTOWN, MISS.
CROSS SECTION 8

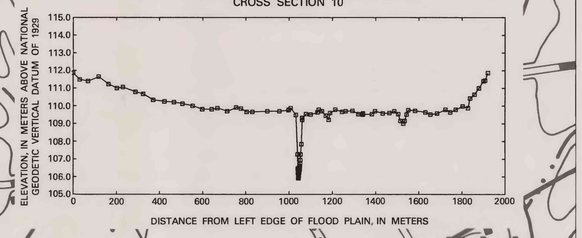




YOCKANOOKANY RIVER AT STATE HIGHWAY 429 NEAR THOMASTOWN, MISS.
CROSS SECTION 9



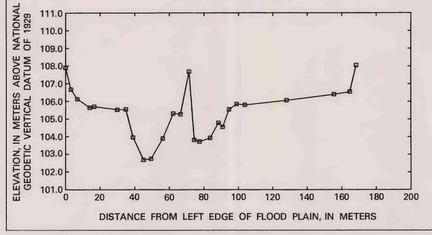
YOCKANOOKANY RIVER AT STATE HIGHWAY 429 NEAR THOMASTOWN, MISS.
CROSS SECTION 10



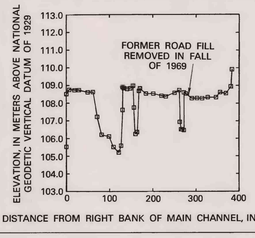
YOCKANOOKANY RIVER NEAR THOMASTOWN MISSISSIPPI

Thomastown
Greer High School
Sewage Disposal Pond
Elevation of ground surface continued on Sheet 2A
FORMER ROAD FILL REMOVED IN FALL OF 1969
CONSTRUCTION
CROSS SECTION 5
CROSS SECTION 6
CROSS SECTION 7
CROSS SECTION 8
CROSS SECTION 9
CROSS SECTION 10
TRACE
PARKWAY
Yockanookany River
Merchant Creek
BM 113.7
109.7
121.9
112.2
113.0+
126.5
110.9
26
25
24
36
30
19
20
18
17
32° 53'
89° 37'

YOCKANOOKANY RIVER AT STATE HIGHWAY 429 NEAR THOMASTOWN, MISS.
BRIDGE SECTION



YOCKANOOKANY RIVER AT STATE HIGHWAY 429 NEAR THOMASTOWN, MISS. OLD ROAD FILL



EXPLANATION

111.86 Elevation of ground surface

Flood boundary, March 15, 1975

Manning Roughness Coefficient

Low water channel n=0.40–0.080

Open land, pasture n=0.080–0.120

Dense woods n=0.120–0.160

EXAMPLE: If water depth is less than 0.6 meter, n=0.160. If water depth is greater than 1.0 meter, n=0.120 (Assume linear variation of n for water depths between 0.6 and 1.0 meter.)

Base from U.S. Geological Survey
Thomastown 1:62,500, 1962

SCALE 1:8 000
0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 METERS

CONTOUR INTERVAL ABOUT 6 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1979—W70532

BACKWATER AT BRIDGES AND DENSELY WOODED FLOOD PLAINS, YOCKANOOKANY RIVER NEAR THOMASTOWN, MISSISSIPPI

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

1979