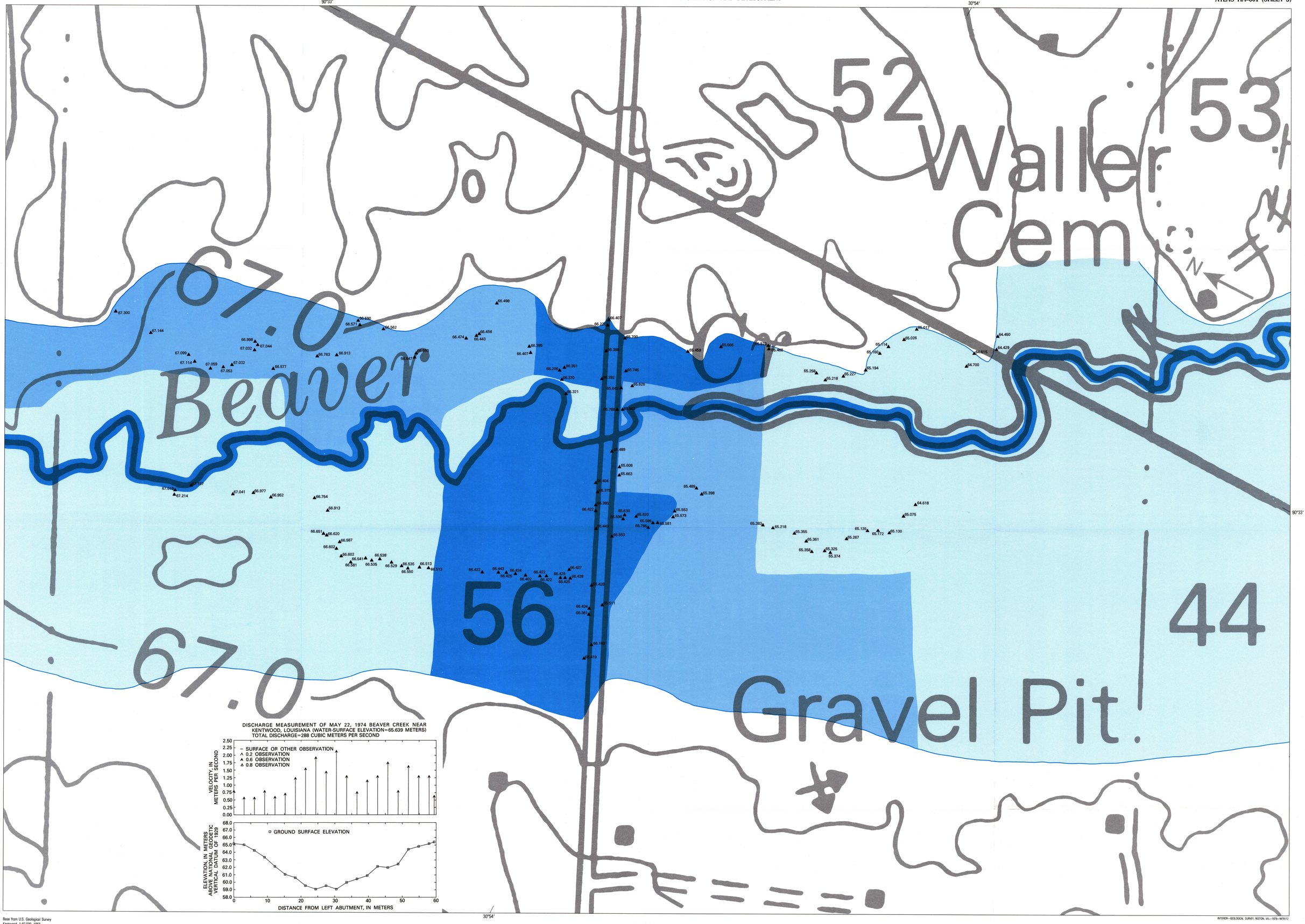
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

HYDROLOGIC INVESTIGATIONS
ATLAS HA–601 (SHEET 3)

90°33′ 30°54′



DISCHARGE MEASUREMENT OF MAY 22, 1974 BEAVER CREEK NEAR KENTWOOD, LOUISIANA (WATER-SURFACE ELEVATION=65.639 METERS)
TOTAL DISCHARGE=288 CUBIC METERS PER SECOND

Base from U.S. Geological Survey
Kentwood, 1:62,500, 1958

SCALE 1:2 000
0 10 20 30 40 50 100 150 200 250 300 350 400 450 500 METERS
CONTOUR INTERNAL ABOUT 6 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

EXPLANATION

▲64.618 Elevation of water surface

Flood boundary

Manning Roughness Coefficient

- Low water channel 0.040–0.060
- Light woods 0.060–0.100
- Dense woods 0.100–0.150

EXAMPLE: If water depth is less than 0.6 meter, n=0.150. If water depth is greater than 1.0 meter, n=0.100 (Assume linear variation of n for water depths between 0.6 and 1.0 meters)

BACKWATER AT BRIDGES AND DENSELY WOODED FLOOD PLAINS, BEAVER CREEK NEAR KENTWOOD, LOUISIANA

By
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1979

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1979—W79112