



**ELEMENT TYPES**

- Woods
- Natural channel
- Straightened channel
- Moist boundary
- Computed water-surface contour line, contour interval 0.5 foot, National Geodetic Vertical Datum of 1929
- River mile
- Computed vertically averaged velocity; the length of the arrow is proportional to the velocity; an arrow 1 inch long represents a velocity of 50 feet per second; a velocity less than 1 foot per second is represented by an arrowhead without a shaft
- Location of observed high-water mark, April 2, 1980 (see table 3)

**EXPLANATION**

INDEX TO TOPOGRAPHIC MAPPING

NATIONAL SPACE TECHNOLOGY LABORATORIES (NASA)

GULF COAST HYDROSCIENCE CENTER (GCHC)

Base from U. S. Geological Survey 1:24,000 quadrangles  
10,000-foot grids based on Louisiana coordinate system, south zone

APPROXIMATE MEAN DECLINATION, 1974

SCALE 1:16 000

CONTOUR INTERVAL 0.5 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

1000 0 1000 2000 3000 4000 5000 FEET  
250 0 250 500 750 1000 1250 1500 METERS

**COMPUTED VELOCITY FIELD AND WATER-SURFACE ELEVATIONS AND OBSERVED HIGH-WATER MARKS WITH THE I-10 EMBANKMENTS IN PLACE FOR THE FLOOD OF APRIL 2, 1980, ON THE PEARL RIVER NEAR SLIDELL, LA.**

By  
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