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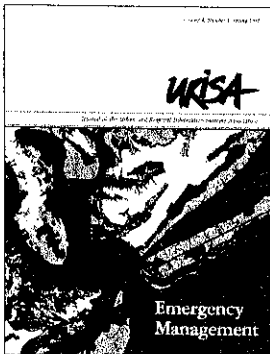
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Cover: The map depicts hurricane flood levels similar to those experienced from Hurricane Hugo in the Charleston, South Carolina area. White areas indicate areas not flooded; green indicates flood levels of 1-5 feet; yellow: 6-10 feet; blue: 11-15 feet; red: 16-18 feet.

This map was produced by intersecting the Sea, Lake, and Overland Surge from Hurricanes (SLOSH) model predicted flood surge digital map for a Category 4 hurricane centered on Charleston Harbor with forward wind speeds of 12 mph moving in a northwest direction, and elevation data derived from three USGS 7.5 minute quadrangles of Charleston. The SLOSH Model was provided by the National Oceanic and Atmospheric Administration.

By subtracting the contour information from the expected storm surge, flood levels can be estimated with a greater degree of accuracy than has been previously possible. This application is menu driven utilizing the ARC Macro Language and was programmed and produced by Mr. James D. Scurry of the South Carolina Water Resources Commission. For information on this map or other products of this application Mr. Scurry can be contacted at (803) 737-0067.

For more about this map, see p. 73. Additional articles on emergency management and preparation can be found on pp. 56, 66, and 86.