

Aerial photography shows on this sheet, obtained October 5, 1979, covers parts of the Sweetwater Creek, Curiosity Creek, and Hillsborough River basins. Flooded areas were delineated using supplemental aerial photography of August 24 and October 8, 1979, and photogrammetric maps with 1-foot contours. The inundated area boundary around Sugar Lake was outlined on the 1-foot contour maps at the recorded maximum stage. The inundated area boundaries around Sugar Lake and low lying depressions were based on observed high-water marks or were estimated from the difference in elevation of the water on the date of photography and the maximum stage recorded on nearby gaged lakes. About 20 percent of the photography area, along the west edge, is in the Sweetwater Creek basin; remaining coverage is in the Hillsborough River basin, except for a small area (15 percent) in the Curiosity Creek basin in the northeast corner. The State of Florida base map below shows location of the study area and an index map above shows location of the area covered by this sheet and the other 11 inundation maps in this report.

Development covered by this sheet includes parts of Forest Hills (fig. 2, table 1) and Forest Hills Estates (table 1) and private homes located east of Lake Carroll and near Lake Kiker and Boat Lake. The areas of most extensive flooding occurred between Country Club Drive and 109th Street. Failure of a flood protection dike in 1979 contributed significantly to the flooding. The single largest number of homes flooded was in the vicinity of 109th Street and North Boulevard, including the north part of Forest Hills. More than 80 homes in this area were flooded. This area was also flooded September 1957, October 1957, March 1959, and March 1960. However, the most severe flooding was in March 1960.

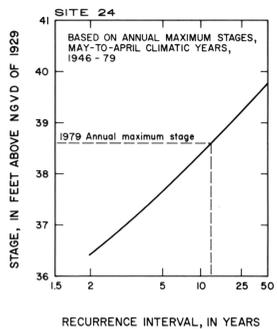


Figure 36—Stage-frequency curve for Lake Carroll near Sulphur Springs.

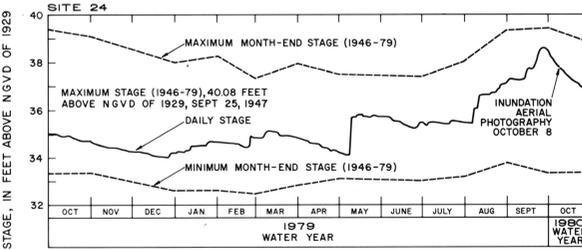
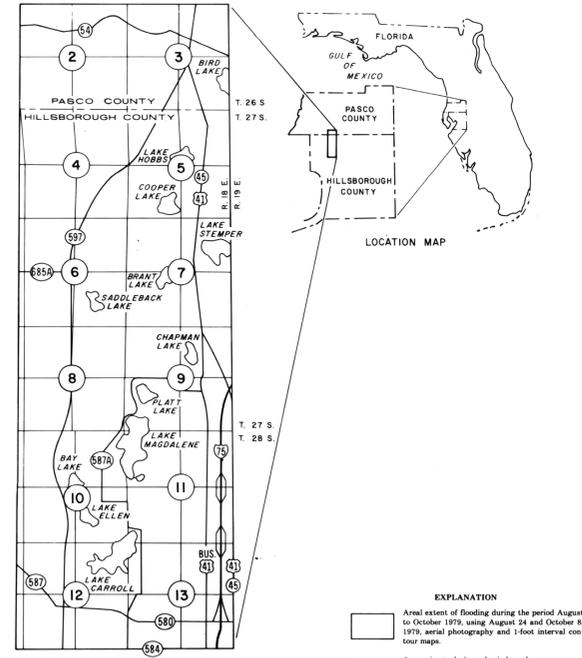


Figure 34—Stage hydrographs for Lake Carroll near Sulphur Springs.



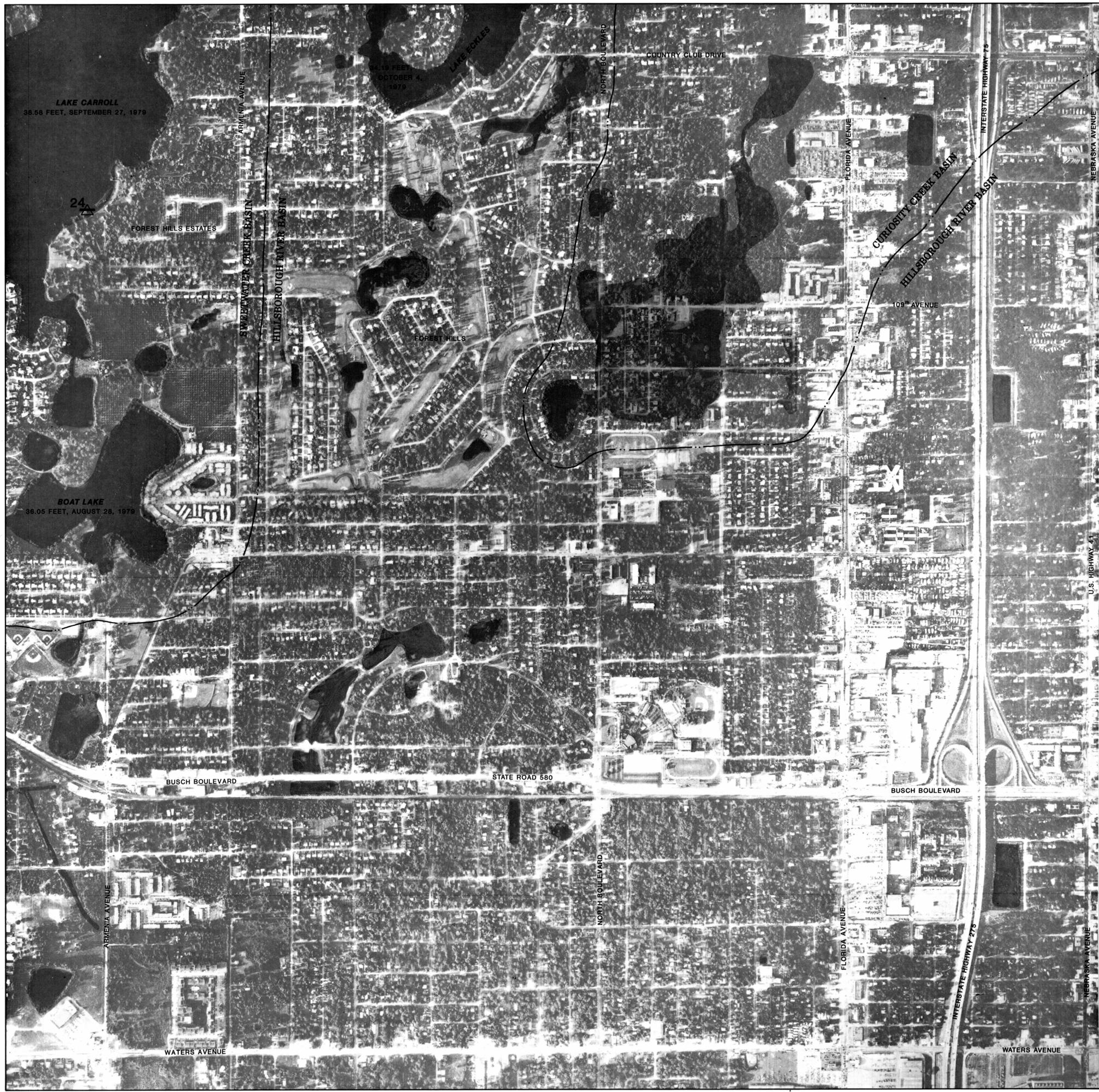
EXPLANATION

□ Areal extent of flooding during the period August to October 1979, using August 24 and October 8, 1979, aerial photography and 1-foot interval contour maps.

--- Approximate drainage basin boundary.

36.05 Maximum stage for 1979 water year, in feet above NGVD of 1929, occurred August to October 1979 (table 4). If the May 1979 stage was higher, it is also shown including date.

24 Stage station and site number (table 3, sheet 1).



UNCONTROLLED PHOTOGRAPHY

FLOOD DELINEATION BY
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
USING PHOTOGRAMMETRIC METHODS

AERIAL PHOTOGRAPHY BY
KUCERA AND ASSOCIATES, INC.
(SHEETS 2-11, OCTOBER 8, 1979)

AND
ABRAM AERIAL SURVEY
(SHEETS 12, 13, OCTOBER 5, 1979)

UNDER CONTRACT WITH
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FLOODING IN NORTHWESTERN HILLSBOROUGH AND
SOUTHERN PASCO COUNTIES, FLORIDA, IN 1979

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