study (and the 1985 GSA study) are directly attributable to noted differences in the river bottom.

Table ES-1. Comparison of 100-year Flood Elevations at Various Locations on the Little Econ River.

Source	Seminole-Orange County line	Upstream of S.R. 434 Bridge	Upstream of Lockwood Road Bridge
FEMA (1980)	47.5	43.8	33.9
FEMA (1989)	42.0	39.7	32.0
SAI (2001)	46.4	42.7	32.3

3.0 The Study Area

The Little Econ River drainage basin encompasses over 92 square miles with approximately 11.2 square miles located in Seminole County. The entire watershed is generally bounded by S.R. 436 on the west S.R. 426 (Aloma Avenue) and C.R. 419 on the north, Lockwood Road and Alafaya Trail on the east and the Beeline Expressway on the south. Several municipalities are located in and around the basin including the cities of Orlando, Casselberry, Winter Park and Oviedo. The study area consists of that portion of the Little Econ watershed in Seminole County and a few smaller areas that drain from Orange County through tributaries to the river. It consists of two general drainage areas as described below

Runoff in the eastern portion of the study area, referred to as the Little Econ River System, generally flows through the Little Econ River itself in a northeasterly direction. The river traverses approximately 5 miles from the Seminole – Orange County line to a point just south of C.R. 419 where it joins the Econlockhatchee (Econ) River. Additional stormwater discharge enters the river along this length from four main tributaries. These tributaries primarily serve various developed areas along the river corridor in addition to providing outfalls for four lakes in Seminole County and a fifth in Orange County. The major hydrologic feature of this area is the Little Econ River which was designated an Outstanding Florida Water (OFW) in June, 1992. The four lakes include Round Lake, Long Lake, Lake Rogers, and Bath Lake. The fifth lake, Lake Claire, is located in Orange County north west of the University of Central Florida (UCF) and drains to the river near S.R. 434.