Instructor: Francisco Olivera, Ph.D., P.E.

The study area is the Spring Creek drainage basin. This basin is located in south College Station and feeds directly into Lick Creek. The watershed generally drains from southwest to northeast. Soils in the area consist mainly of hydrologic soil groups D, with sections of type C near the creek beds. While some of the watershed is developed, the area is largely undeveloped. Much of the watershed is vegetated with both open pasture and heavily wooded areas throughout the area. There are several residential developments spread throughout the watershed; including Woodland Hills and Spring Meadows to the east of SH6, Shenandoah and Reatta Meadows located to the west of SH6 and along the north side of Spring Creek, and Castlegate located along Spring Creek. For calculation purposes assume development within these subdivisions is complete.

Delineate the 100-year floodplain for the area upstream of cross section number 150+00.

Deliverables:
1. written report of your study;
2. 15-minute project presentation; and
3. floodplain maps.

March 21, 2006