

## East Fork of the Angelina River (0611A) Recreational Use Attainability Analysis Summary and Recommendation

A recreational use attainability analysis (RUAA) was conducted on East Fork of the Angelina River (0611A) in the summer of 2014 to determine the appropriate recreational use and numeric criteria. East Fork of the Angelina River is an unclassified perennial water body in Rusk and Nacogdoches counties, TX, approximately 29 miles in length. It is currently listed on the 2014 Texas Clean Water Act Section 303(d) List of Impaired Water Bodies due to elevated bacteria levels. It was initially listed in 2002.

The RUAA identified that the presumed use of primary contact recreation (PCR) for East Fork of the Angelina River is appropriate. PCR 1 is defined in §307.3 (a) of the Texas Surface Water Quality Standards as activities that are presumed to involve a significant risk of ingestion of water (e.g. wading by children, swimming, water skiing, diving, tubing, surfing, and the following whitewater activities: kayaking, canoeing, and rafting).

During the field surveys, field staff did not observe any type of recreation occurring on the stream. Six instances of personal use PCR were documented in interviews (i.e. swimming). Two interviewees reported witnessing PCR and one interviewee said they had heard of PCR. Evidence of PCR included two rope swings. Physical characteristics of the stream include an average thalweg of 0.78 meters (30.71 in), 7 pools greater than one meter deep, and normal flow. At the time of the surveys, East Fork of the Angelina River had a mid-range Palmer drought index. Public access to East Fork of the Angelina River is moderate. There were several footpaths, bridge crossings, a parking lot, and a few ATV trails observed by field technicians along the stream.

Based on evidence collected during the RUAA study, the TCEQ recommends that East Fork of the Angelina River retain its primary contact recreation use and corresponding *E. coli* geometric mean criteria of 126 colonies/100mL for the entire segment, from the confluence of the Angelina River at the Rusk/Nacogdoches county line upstream to the confluence with Wooten Creek in Rusk County, in accordance with §307.4 (j) (1) of the Texas Surface Water Quality Standards.