

## Leon River Below Proctor Lake (1221) Recreational Use Attainability Analysis Summary and Recommendation

A recreational use-attainability analysis (RUAA) was conducted on the Leon River Below Proctor Lake (Segment 1221) in the summer of 2009 to determine the appropriate recreational use and numeric criteria. The Leon River Below Proctor Lake is a classified perennial water body in central Texas, approximately 190 miles in length. It is currently listed on the 2010 Texas Clean Water Act Section 303(d) List of Impaired Water Bodies due to elevated bacteria levels. It was initially listed in 1996.

The RUAA identified evidence indicating the designated use of primary contact recreation (PCR) for the Leon River Below Proctor Lake is appropriate. PCR is defined in §307.3 (a) (47) 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 observed three individuals swimming at Faunt LeRoy Park in Gatesville, TX. Interviews of residents in the watershed identified 23 personal instances of people engaging in PCR activities, with wading by children and swimming being the most abundant. In addition, interviewed individuals had personally witnessed 11 instances of PCR activities in the stream, and had heard about 17 instances of PCR activities. Physical characteristics of the stream include an average thalweg of 0.73 meters (28.74 in), presence of pools greater than one meter deep, and an average flow of 19.18 cubic feet per second. Although much of the stream flows through private land, public access is available at Brown Park, Faunt LeRoy Park, and Mother Neff State Park as well as 53 bridge crossings along the segment.

Due to evidence collected during the RUAA determining that PCR is an existing use, the TCEQ recommends the Leon River Below Proctor Lake retain its PCR use and corresponding geometric mean criteria of 126 colonies *E. coli*/100mL for the entire segment, from a point 100 meters (110 yards) upstream of FM 236 in Coryell County to Proctor Dam in Comanche County. This recommendation is in accordance with §307.4 (j)(1) of the Texas Surface Water Quality Standards.