

Davidson Creek (1211A) Recreational Use Attainability Analysis Summary and Recommendation

A recreational use-attainability analysis (RUAA) was conducted on Davidson Creek (1211A) in the summer of 2009 to determine the appropriate recreational use and numeric criteria. Davidson Creek is an unclassified intermittent with pools water body in Burleson County, approximately 59 miles in length. It was identified in the 2012 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 evidence indicating the designated use of primary contact recreation (PCR) for Davidson Creek 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 one individual interviewed for the study identified PCR as a personal use, three had witnessed PCR and three had heard of PCR. The average thalweg of the stream was 0.31 meters (12.20 in) and pools greater than one meter deep were found. General public access is moderate as the creek flows through the City of Caldwell, Davidson Creek Park and ten bridge crossings throughout the segment.

Due to evidence collected during the RUAA determining that PCR is an existing use, the TCEQ recommends Davidson Creek retain its PCR use and corresponding geometric mean criteria of 126 colonies *E. coli*/100mL for the entire segment, from the confluence with Yegua Creek to 0.2 km above SH 21 near Caldwell in Burleson County. This recommendation is in accordance with §307.4 (j)(1) of the Texas Surface Water Quality Standards.