

Spring Creek (1242M) Recreational Use Attainability Analysis Summary and Recommendation

A recreational use attainability analysis (RUAA) was conducted on Spring Creek (1242M) in the summer of 2010 to determine the appropriate recreational use and numeric criteria. Spring Creek is an unclassified intermittent with pools water body that is approximately 17 miles in length. The creek is located in Robertson County. It was identified in 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 Spring Creek should be revised to secondary contact recreation 1 (SCR 1). SCR applies to water bodies where water recreation can occur, but the nature of the recreation does not involve a significant risk of ingestion. SCR 1 applies to intermittent and perennial freshwaters where site-specific information demonstrates that primary contact recreation has little to no likelihood of occurring due to physical characteristics of the water body such as shallow depths or lack of pools.

During the field surveys, field staff did not observe any form of recreation occurring on the stream. The sole interviewee reported that they had not personally used, witnessed, or heard of PCR occurring on the stream. Spring Creek had an average thalweg of 0.20 meters (7.87 in) and six pools deeper than 1 meter. Stream flow ranged from normal to dry during both surveys. The Palmer Drought Severity Index (PDSI) indicated moderately moist conditions during both the June and August 2010 surveys. There are no public parks or boat ramps on the stream. There is a Boy Scout Camp very close to the camp, but a staff member stated that the boys are not allowed access to the creek as they would have to cross private property. Overall access to Spring Creek is limited. There is some access at bridge crossings, but there are several private property fences that cross the stream at these points. Most of the land along Spring Creek is private property.

Naturally low water levels decrease the likelihood of PCR use. Spring Creek has a shallow average depth and no accounts of PCR, supporting reclassification to SCR1. In accordance with §307.4 (j)(3)(C) of the Texas Surface Water Quality Standards, the TCEQ recommends a reclassification from PCR to SCR1 with the corresponding geometric mean of 630 colonies *E. coli*/100mL for all off Spring Creek from the confluence with the Little Brazos River in Robertson County, upstream to the headwaters, 1.5 miles north of FM 391. This reclassification is appropriate due to “natural, ephemeral, intermittent low flow conditions or water levels” in accordance with reasons specified in 40 CFR §131.10(g)(2).

Prior to changing the currently assigned recreational use of Spring Creek in the Texas Surface Water Quality Standards, the TCEQ would provide additional public notice and opportunity for public comment. In addition, the U.S. Environmental Protection Agency would review this proposed change under the provisions of the federal Clean Water Act.