

Appendix D – Site-Specific Uses and Criteria Changes

1402C: Buckners Creek

Current site description as addressed in the 2018 Integrated Report

Assessment Unit (AU)	AU Description	Flow Regime	Aquatic Life Use	24-hour Dissolved Oxygen-average	24-hour Dissolved Oxygen-minimum	Currently described in Appendix D?
AU_02	From the confluence with Chandler Branch near FM 154 in Fayette County upstream to the headwaters at Patterson Road southeast of the City of Rosanky in Bastrop County	Perennial	High	5.0 mg/L	3.0 mg/L	No
AU_01	Perennial stream from the confluence with the Colorado River upstream to the confluence with Chandler Branch 1.6 Km upstream of FM 154 in Fayette County	Perennial	High	5.0 mg/L	3.0 mg/L	Yes

Recommended revisions and additions to Appendix D

Description	Flow Regime	Aquatic Life Use	24-hour Dissolved Oxygen- average	24-hour Dissolved Oxygen- minimum
From the confluence with Pin Oak Creek upstream to the confluence with Live Oak Creek	Intermittent with Pools	Intermediate	3.0 mg/L	2.0 mg/L
From the confluence with the Colorado River upstream to the confluence with Pin Oak Creek	Perennial	High	5.0 mg/L	3.0 mg/L

The most upstream portion of Buckners Creek from the confluence with Live Oak Creek upstream to the headwaters is intermittent and will not be included in Appendix D.

Appendix A - Recommended PWS Use Change

Brushy Creek (Segment 1244): Public Water Supply (PWS) designated use is recommended to be removed from the confluence with the San Gabriel River upstream to the most downstream edge of the Edwards Aquifer transition zone. PWS designated use is recommended to be retained in the upstream portion within all zones (i.e. contributing, transition, and recharge zones) of the Edwards Aquifer.