

**Nolan Creek WPP
 Comment Matrix – Public Review
 October 2018
 (Response 15 October 2018)**

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
	General	I really would like to see the majority of any available funding spent on trying to determine the source of the bacteria because the only way to solve a problem is to know the cause and attack it. The “shotgun” approach is a very wasteful way to spent taxpayer revenue!	Scott Brooks (advisory committee member)	The MST should help address this concern and with adaptive management, those findings can then be used to reevaluate the priority of management measures implemented. While the WPP appears to be a “shotgun” approach with a wide range of management measures included, it does first prioritize some of the lower cost measures, such as educational outreach, so to make best use of limited resources.	
	Throughout	All references to Texas A&M Forest Service should include the A&M or just use our acronym TFS.	Lori Hazel (TFS)	Updated throughout	
p.1	Section 1, Intro	Change Loop “172” to Loop “121”.	Angellia Points (City of Belton)	It actually is a Spur of Texas 172 within Fort Hood that is being referenced. This description seemed to be confusing, so it was changed to describe the	p. 1

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
				segment from its most upstream location to its most downstream. A reference to the start of the segment below SCS Site 1 Reservoir (also known as Pershing Lake) was added. Note: Loop 121 is in Belton, so not applicable and indicates some of the extent of the confusion with this description.	
p. 65	Section 5 Management Measures for Bacteria	...the Nolan Creek Hike and Bike Trail in Belton, which connects several of the Belton parks. (it currently says Killeen parks, but should say Belton parks)	Angellia Points (City of Belton)	Corrected to read "Belton parks"	p. 65
p.1	Section 1, Intro	Capitalize the word "pollution" in Federal Water pollution Control Act	City of Killeen	"P" in pollution capitalized	p. 1
p.1	Section 1, Intro	Loop 172 - Is not the right location?	City of Killeen	Corrected, this should read spur Texas State Highway 172.	p. 1
p. 4	Section 1, The WPP Approach	In defining stakeholder involvement, were any WSC's involved? Need to define WCIDs as Bell County WCIDs.	City of Killeen	With regard to stakeholder involvement, Bell County WCIDs 1, 3 & 6 were involved, but the WSCs were not. Clarified WCID's by adding that these were "Bell County" WCIDs.	p. 4
p. 5	Section 1, The WPP Approach	Verify CoK website no longer active. If active, should be included.	City of Killeen	Link no longer active (check 17Sep2018)	
p. 6	Section 2, Watershed Characteristics	Verify SNC into NC, and NNC into NC locations	City of Killeen	Revised to add clarity to this section with regard to information visually presented in Figures 1-1 and 2-1.	p. 6

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
p.11	Section 2, Figure 2-4 Hydrologic features	How were small lakes/reservoirs defined?	City of Killeen	GIS layer from the TWDB for all but Engineer Lake and City of Killeen Reservoir. These two were added to Figure 2-4 as named features.	No change made to document.
p.13	Section 2, Streamflow	Identify location of stream elevation monitors installed in the watershed	City of Killeen	Locations added to text	p. 13
p. 13	Section 2, Permitted Discharges	Discharge to Trimmier Creek by Bell County WCID No. 1 (Plant 3, South Plant) is outside this watershed. Does this discharge to Trimmier Creek happen?	City of Killeen	Added text clarifying that the Bell County WCID No. 1 (Plant 3, South Plant) as of August 27, 2015 has amended its permit for a secondary discharge point, but as of September 2018, had not yet discharged to this point.	p. 13
p. 14	Section 2, Table 2-2	Missing period between Figure title and source information.	City of Killeen	Period added	p. 14
p. 21 & 22	Section 3, Figure 3-3 through 3-6	Add more of a location description to each figure title. Figure 3-3 - note directly below WWTF Figure 3-4 - on boundary between Killeen and HH Figure 3-5 - in HH (<i>Is this on Nolan or South Nolan Creek? - verify</i>) Figure 3-6 - location in reference to Belton (<i>Is this on Nolan or South Nolan Creek? - verify</i>)	City of Killeen	Updated figure titles or descriptions to include more information regarding the location of each station. Corrected the figure title for Figure 3-5 to indicate South Nolan Creek rather than Nolan Creek. Clarified that station 11905 is located between Nolanville & Belton.	p. 21 & 22

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
		Within Figure 3-4 explain why value excluded. Described in text, but should also be explained with the figure.		Added explanation to Figure 3-4 to indicate why the one value was excluded from the geometric mean.	
p. 26	Section 4, SELECT Methodology	Because SELECT does not include the potential impact of small wildlife, could we be missing a key source?	City of Killeen	Possibly, small wildlife has been shown to have a large impact in some watersheds, but often is considered a more minor contributor that is not controllable unless there are large concentrations associated with food availability. Wildlife (including waterfowl) are addressed within Section 5 mainly as an educational component as preventative to discourage the public from feeding waterfowl and small mammals. Densities were not deemed large enough to consider more involved removal type measures.	No change made to document.
p. 48	Section 5, WWTFs, Issues with Inadequate Treatment	Last sentence on issues with the BC WCID No. 1 Main Plant - verify with data.	City of Killeen	Reference to Figure 5-1 added to this sentence. Figure 5-1 shows the exceedances noted in this sentence.	p. 48
p. 50	Section 5, WWTFs, Changes in	Reuse by golf courses might be added to the paragraph dealing with reuse of treated recycled wastewater.	City of Killeen	Reference to irrigation of golf courses with treated recycled wastewater.	p. 50

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
	WWTF Discharges				
p. 50	Section 5, WWTFs, Changes in WWTF Discharges	Add under WAP Management Measures Dry Weather Testing/Wet Weather Testing	City of Killeen	Screening or testing programs appear to be part of most SWMPs. Text added under WWTP Upsets, but also to Appendix C to better emphasize this screening.	p. 49 & Appendix C, p. 143
p. 51	Section 5, Sewer Line Infrastructure	Capitalize Watershed Coordinator in last sentence before WAP Management Measures	City of Killeen	Capitalized	p. 51
p. 54	Section 5, OSSFs, Identifying Location of OSSFs, WAP Management Measures	Over a certain #, subdivision should be encouraged to install a centralized system. Wording indicates, decentralized, when it should read centralized.	City of Killeen	Defining a specific number of homes within a subdivision is something that will need to be refined as this measure is implemented.	
p. 54	Section 5, OSSFs, Removal of Annexed OSSFs within Municipal Boundaries	What about it? Reference to CoK STEP.	City of Killeen	Added text that the WPP should help support and expand such programs.	p. 54
p. 55	Section 5, OSSFs, Assistance with Maintenance	References the half-acre minimum lot size for installation of an OSSF. So what? Why larger lots per individual OSSF?	City of Killeen	Larger lot sizes would allow for larger drainage fields for anaerobic systems and for aerobic systems, avoid sprays that overlap “activity” areas.	p. 55

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
	and Repair of OSSFs			Wording revised to better reflect the benefits of larger lots sizes for OSSFs.	
p.57	Section 5, Public Involvement in Good Housekeeping Efforts, Illegal Dumping	What are the costs for signage? How is this linked to reporting to municipalities?	City of Killeen	This references the “Don’t Mess with Texas Water” program through TCEQ. Cost depends on the sign, which the city and TXDOT work together to determine appropriate signage. The cost of the sign is covered by the city. TCEQ maintains a hotline for reporting, but the city runs the program and takes fiscal responsibility. Hot line calls are forwarded to city. https://www.tceq.texas.gov/p2/ dont-mess-with-texas-water-a- way-to-report-illegal- dumping#additional- information	
p.58	Section 5, Public Involvement in Good Housekeeping Efforts, Trash and Hazardous Waste Management	Other businesses involved with cleanup efforts should be noted- Home Depot, Lowes, Walmart Correct location of Lowes Boulevard Creek. It is Trimmier Road Ditch along Lowes Blvd.	City of Killeen	Added notation recognizing these businesses. Corrected location of name to Trimmier Road Ditch <i>(see FEMA flood map</i> https://gisweb.killeentexas.gov/F EMAFloodMap/)	p. 58

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
p. 58	Section 5, Public Involvement in Good Housekeeping Efforts, Trash and Hazardous Waste Management	Cost for HHW programs probably double the \$12,500 per event noted.	City of Killeen	Sentence revised to indicate potentially higher costs for HHW events	p. 58
p. 61	Section 5, Urban Stormwater management, Increasing Infiltration and Reducing Runoff	Promotion of Cluster Development - Are there compliance plans or codes that can be referenced?	City of Killeen	This is something that would need to be looked into more. There are some communities within Texas starting to promote Cluster Development, (e.g., Waco and Flower Mound), but part of promoting Cluster Development will involve evaluating the compliance plans or codes needed to implement it.	
p. 63	Section 5, Other Sources, Roosting Birds	The Home Depot and H-E-B parking lot are along Trimmier Road Ditch, which is a tributary to Little Nolan Creek.	City of Killeen	Refinement made regarding location within the watershed	p. 63
p. 66	Section 5, Recreational Use and Flood Management	Instead of purchased note that CoK acquired undeveloped land ... Add reference to CoK Drainage Master Plan	City of Killeen	Wording changed Reference added to City of Killeen's Drainage Master Plan (link on website unavailable at this time - noted "under construction")	

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
p. 66	Section 5, Recreational Use and Flood Management	Under WAP Management Measures add use of creek buffer zone	City of Killeen	Text added to note riparian buffers are a water quality improvement measure	p. 66
p. 68	Section 5, Bacteria Reductions	Is the population growth noted for the whole watershed? If so, how does the population growth of Killeen compare to other areas?	City of Killeen	<p>Updated text to reflect population growth for the watershed as a whole and for Killeen.</p> <p>Also updated population numbers on p. 6 to match Texas Demographic Center, Estimates of Total Populations of Counties and Places in Texas (June 2018).</p> <p>Revised 2010 Census Count & July 1, 2016 Population Estimate from</p> <p>Killeen 127,921 (2010) 142,083 (2016)</p> <p>Harker Heights 26,700 (2010) 29,779 (2016)</p> <p>Nolanville 4,259 (2010) 4,919 (2016)</p> <p>Belton 18,216 (2010) 20,798 (2016)</p>	p. 69 (and p. 6 updated population estimates)
p. 69	Section 5, Bacteria Reductions	Long Branch and Little Nolan Creek drainages should reference the drainage basins, not just the drainages.	City of Killeen	Word “basins” added to sentence	p. 70

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
p. 70	Section 5, Bacteria Reductions	In the section dealing with feral hog contributions, what does the HH WWTP contribute?	City of Killeen	Text added to indicate potential loading contribution of <i>E. coli</i> from Harker Heights WWTF. Estimated that the Harker Heights WWTF on the high end probably contributes about 14% of the <i>E. coli</i> loading at station 11910 under baseflow conditions. This estimate is based on full permitted discharge for the Harker Heights WWTF of 3 MGD and permit bacteria level of 126 MPN/100mL and a median flow associated with routine grabs samples of 17.5 cfs and a geometric mean <i>E. coli</i> concentration 239 MPN/100mL for monthly routine samples collected between May2013 and Jun2015. Actual discharge about 1.86 MGD on average and reported average <i>E. coli</i> concentrations often well below permit limits (see Figure 5-1, p. 49)	p. 70
p. 73	Section 6, Regional Programs	Need to add CENTEX Partnership	City of Killeen	Added under Regional Programs	p. 73
p. 80	Section 6, Table 6-1, Summary of	Make it clear that these are activities throughout the watershed	City of Killeen	Notation added to title.	p. 80

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
	Education outreach activities				
p. 83	Section 6, Table 6-1, Summary of Education outreach activities	In reference to goal for pet waste stations - What entity installs and is this goal in bulk or by entity?	City of Killeen	This would be throughout the watershed with the watershed coordinator working in cooperation with municipalities to aid with funding and determining specifically where these should go. Specific locations not yet defined. Text added to clarify.	p. 83
p. 87	Section 7, Financial and Technical Assistance	Under Homeless and Urban Stormwater Management, add municipalities Under Rural Stormwater Management, add Centex	City of Killeen	Added Added	
p. 90	Section 7, Financial and Technical Assistance, Table 7-2	Estimated costs - Are these reasonable? Sewer line repair/replacement & OSSF repair/replacement.	City of Killeen	They are estimates that were considered reasonable based on conversations with BCHD. Actual costs will vary.	p. 90
p. 121	Section 9, Monitoring Success	Need monitoring to isolate within tributaries	City of Killeen	Added text to indicate this need.	p. 121
p. 144	Appendix C, Public Sewer Line Infrastructure,	Fort Hood - add phone # for MS4 contact	City of Killeen	No specific phone number provided.	

Page (Draft WPP)	Section / Paragraph	Comment	Source	Response	Page based on revised version with Track Changes
	Procedures for Tracking...				
p. 150	Appendix F, Educational Components of SWMPs	Killeen - Add school outreach Delete reference to KKB Correct spelling of Nolan from Noland and expand to include Leon and Lampasas River WPPs, Clean Rivers Program, etc.....	City of Killeen	Added school outreach Deleted reference specifically to KKB. Spelling corrected for Nolan and added other efforts as suggested.	p. 150