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Sandy and Wolf Creeks I-Plan Coordination Committee Meeting

The meeting will start at 1:00 PM.

If you have issues with sound, please join by phone. Use the chat box below if there are other issues.













Sandy and Wolf Creeks I-Plan Coordination Committee Meeting

Michael Schramm | Research Specialist Texas Water Resources Institute

Online February 8, 2020 | 1:00 pm





Before we start:

- 1) Please mute your microphones.
- 2) The slides and meeting notes will be posted online after the meeting at: <u>https://www.tceq.texas.gov/waterquality/tmdl/nav/118-sandy-wolf-creeks-bacteria</u>
- 3) Please sign in using our webform, the link will be posted in the chat box.





Project Team

Michael Schramm – Texas Water Resources Institute Nicole Reed - Texas Commission on Environmental Quality, TMDL Program Jazmyn Milford - Texas Commission on Environmental Quality, TMDL Program

Coordination Committee

Brock Fry & Jacob Spivey – Jasper and Tyler AgriLife Extension

Jeannie Mahan - LNVA

Carla Ethridge, Jeremiah Poling - ANRA

Adrian Van Dellen - Resident

Laura Clark, Sylvia Holmes, Lori Horne – Texas Master Naturalist

Brian Koch - TSSWCB

Sarah Baily – Texas A&M Forest Service

James Garrigus – US Army Corp of Engineers

Terry McFall – Jasper-Newton SWCD/NRCS

Bob Gary – City of Jasper

Angela Caraway - Jasper-Newton County Public Health

Agenda

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 Project Updates
 WPP Discussion and Decision
 Sources and Potential Management Measures
 Next Steps





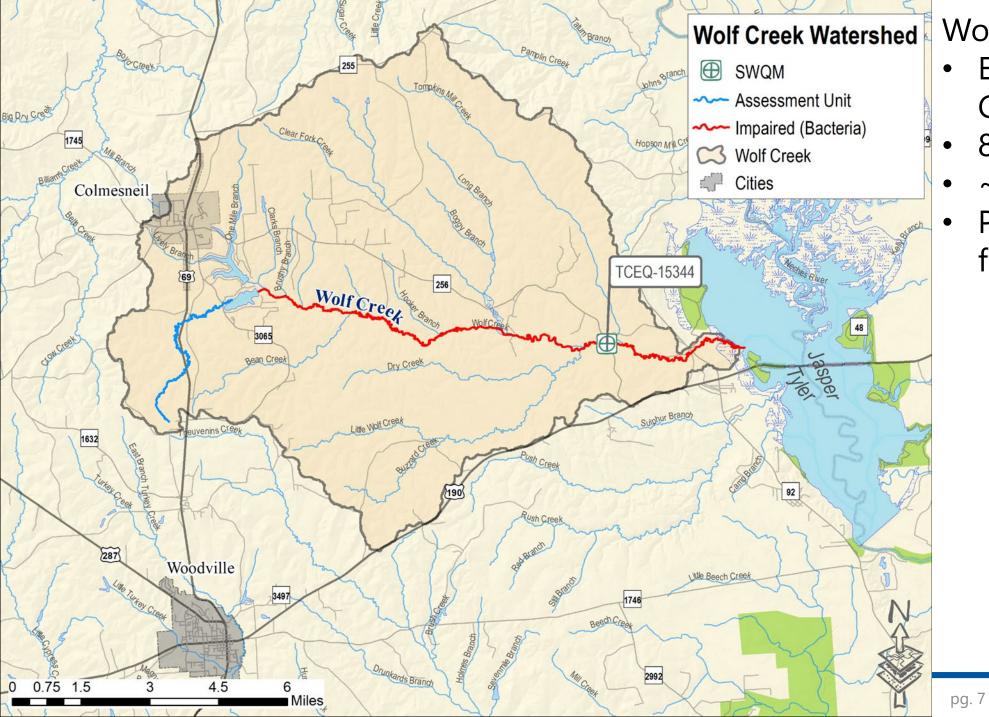
Project Updates

• Technical Support Document is online:

https://www.tceq.texas.gov/assets/public/waterquality/tmdl/118sa ndywolfcreeks/118-sandy-wolf-tsd-2020june.pdf

• Draft TMDL in review process at TCEQ





Wolf Creek Summary:

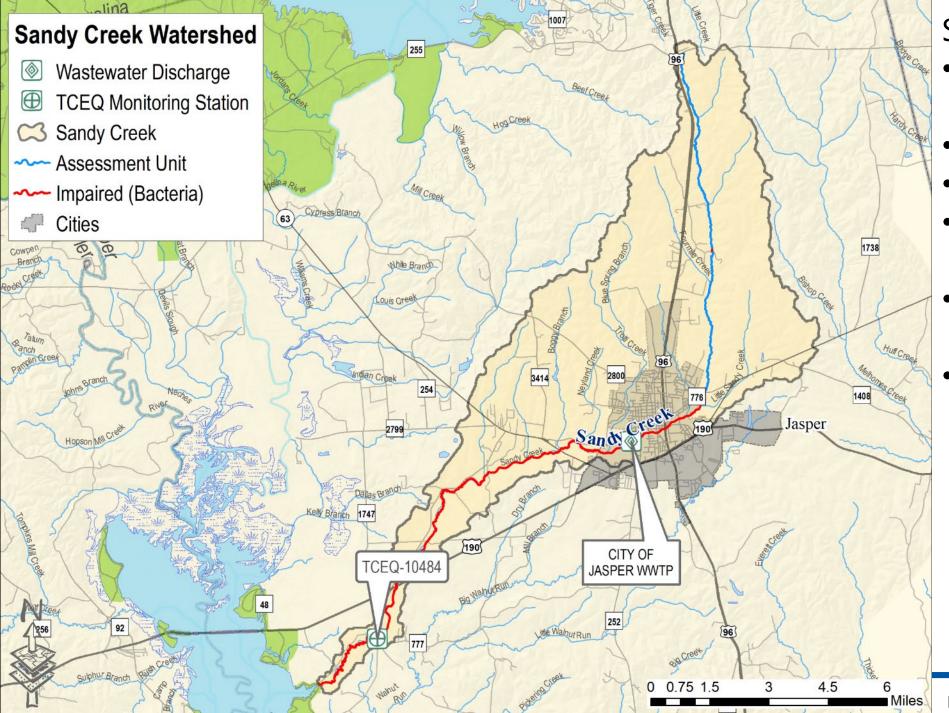
- Entirely in Tyler County
- 83 sq. miles
- ~1,683 people

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Predominately forest and wetland

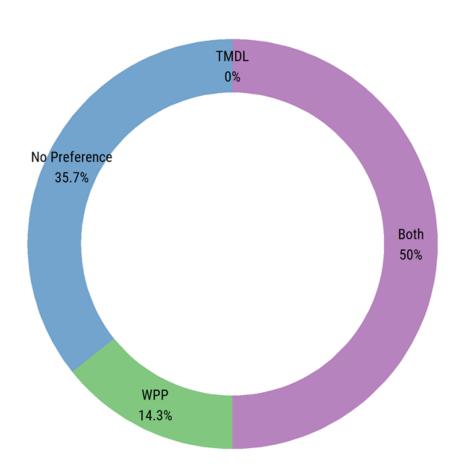


Sandy Creek Summary:

- Entirely in Jasper County
- 57 sq. miles
- ~7,462 people
- Predominately forest and wetland
- Approximately 14.5 percent developed
- 1 permitted
 wastewater facility



Q5: Do you have a preferred planning option?

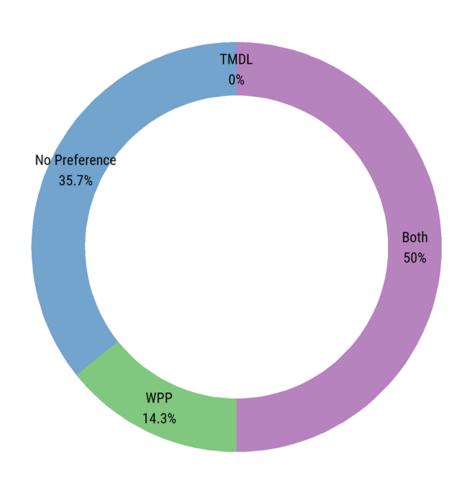


- 1. TMDL I-Plan *and* WPP are the preferred stakeholder planning option.
- 2. Both documents are similar. However, WPP receives additional review by EPA.
- 3. Some concerns about a potential WPP meeting EPA's review criteria:
 - 1. One monitoring site in each watershed
 - 2. Two separate watersheds in one plan

From Stakeholder Meeting Questionnaire (November 2019)



Q5: Do you have a preferred planning option?



From Stakeholder Meeting Questionnaire (November 2019)

- 1. TMDL I-Plan *and* WPP are the preferred stakeholder planning option.
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Options include

- 1. Continue to develop WPP for both watersheds
 - 1. Funding available for both watersheds
 - 2. Might have a harder time getting approved
- 2. Develop WPP for Sandy Creek only
 - 1. Makes 319 funding options available
 - 2. Will need to identify more robust future water quality monitoring
- 3. Only develop the I-Plan
 - 1. No EPA review
 - 2. Limits funding options





Indicator Bacteria Sources and Management Measures



Management Measures

- Voluntary actions implemented by stakeholders that will result in direct or indirect pollutant load reductions
- Need to identify:
 - The actions
 - Implementation schedule
 - Needed technical and financial resources
 - Measurable milestones
 - Monitoring
 - Responsible entities
 - Anticipated pollutant load reduction



Potential Regulated Sources

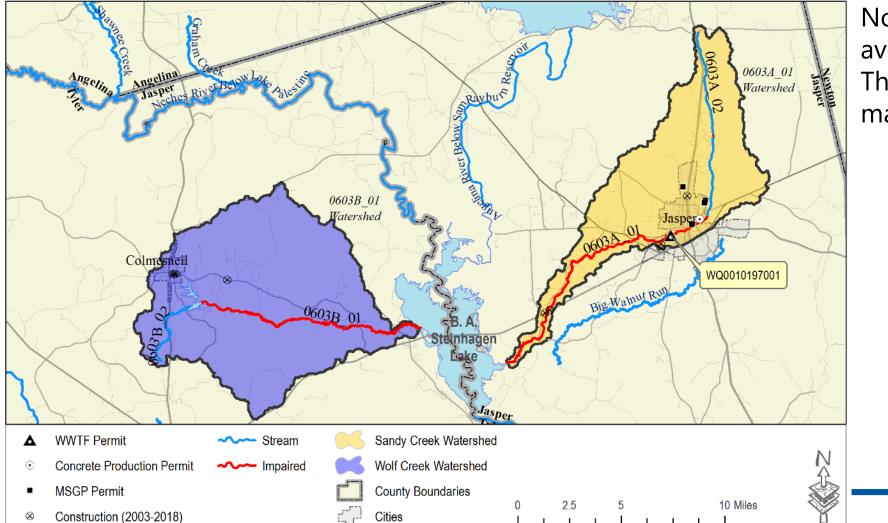
- TPDES permitted point source discharges (wastewater facilities or industrial discharges with bacteria component)
- Permitted stormwater (large urbanized areas, industrial stormwater, construction sites)





Permitted Point Sources

AU	Facility	Held By	Annual Average Permitted Discharge (MGD ⁺)	Recent Discharge (MGD) [*]
0603A_01	City of Jasper	City of	3.25	1.23
	WWTF	Jasper	5.25	



No exceedances of the daily average limit from 2015-2018; Three exceedances of the daily max (out of 48 reports)

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Sanitary Sewer Overflows

	No. of incidents	Total Volume	Average Volume	Minimum Volume	Maximum Volume
Sandy Creek	196	947,860	4,989	10	240,000
Wolf Creek	4	8,500	2,125	1,500	3,000





Regulated Stormwater

- Less than 1% of each watershed is under regulated stormwater.
- Sandy Creek:
 - Six industrial facilities
 - One concrete production facility
 - ~36 acres per year under construction permits
- Wolf Creek:
 - ~7 acres per year under construction permits



Potential Management Measures Regulated Sources

- Continued compliance with permit requirements
- Smoke testing sanitary sewer network
- Infrastructure maintenance and upgrades (often part of existing master plans or operations plans if available)
- Participation in TCEQ SSO Initiative Program
- Fats Oils and Grease Education Programs
- Others?

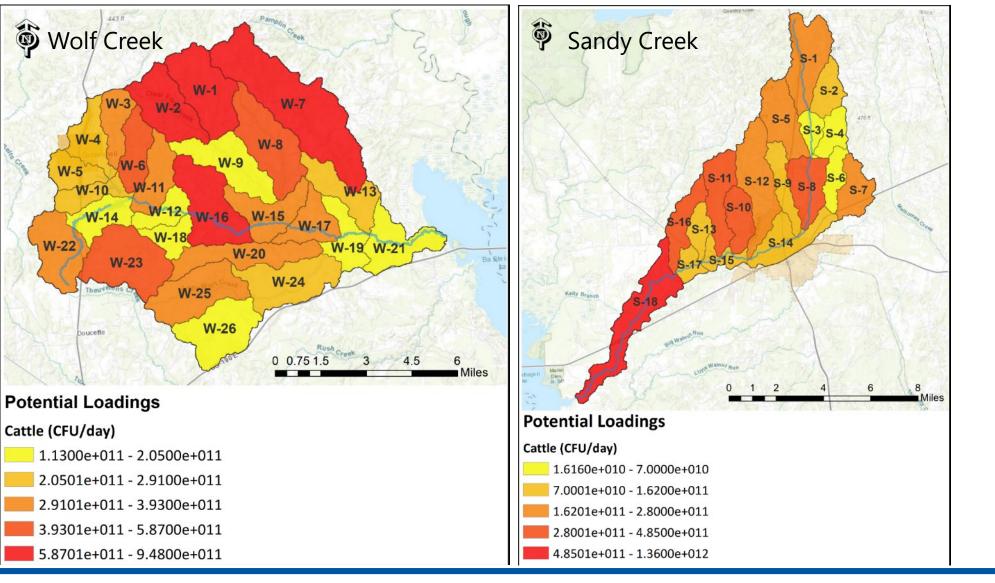


Unregulated Sources

- Agriculture activities (non-CAFO)
- OSSF (Septic systems)
- Pets
- Wildlife



Livestock



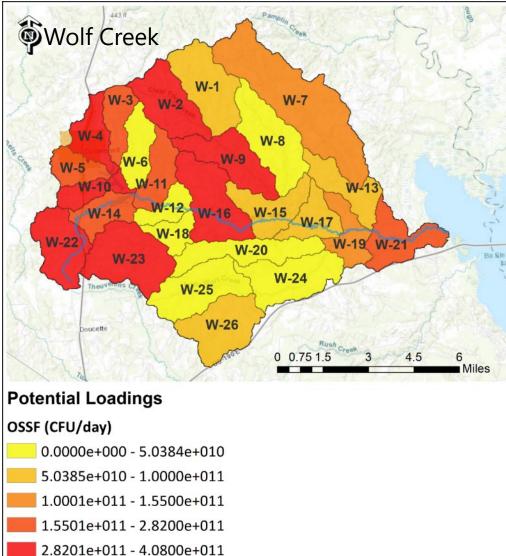
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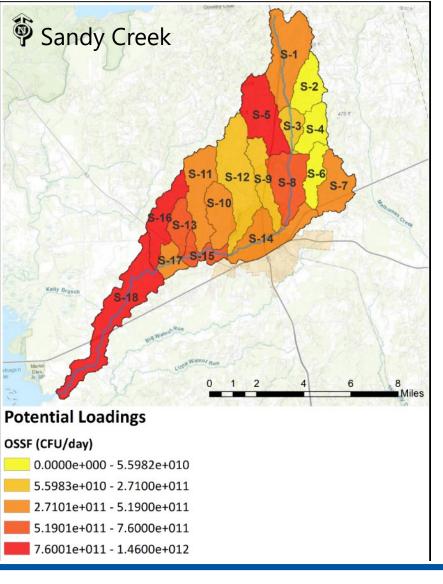
Potential Management Measures Livestock

- Implement NRCS Conservation Plans and TSSWCB Water Quality Management Plans to install conservation practices that improve water quality.
- Workshops and Extension Programs (Local and Statewide programs)
- Other measures?



Septic Systems (OSSFs)





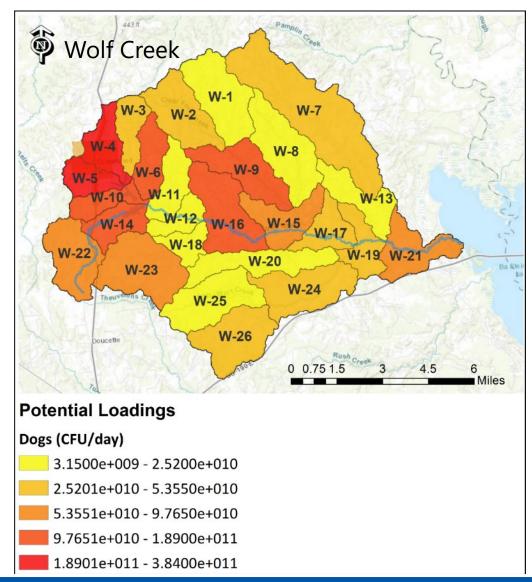
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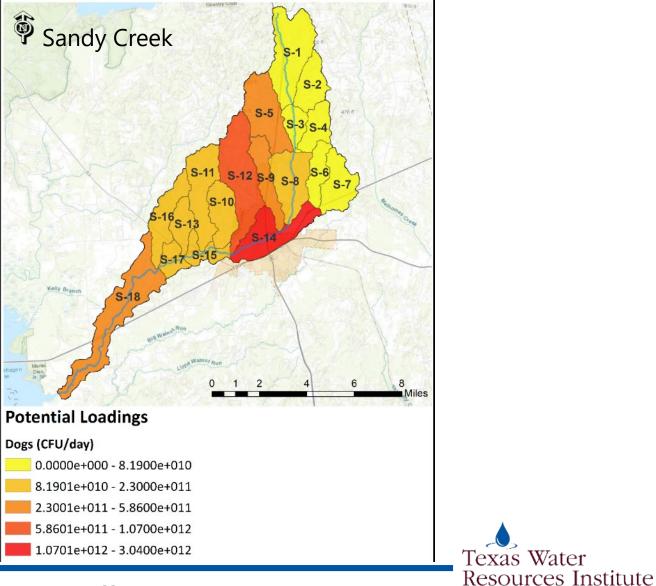
Potential Management Measures OSSFs

- Workshops and Extension Programs (Local and Statewide programs)
- OSSF inspection/repair/replacement programs
- Connection to sanitary sewer system
- Other Measures?



Household Pets





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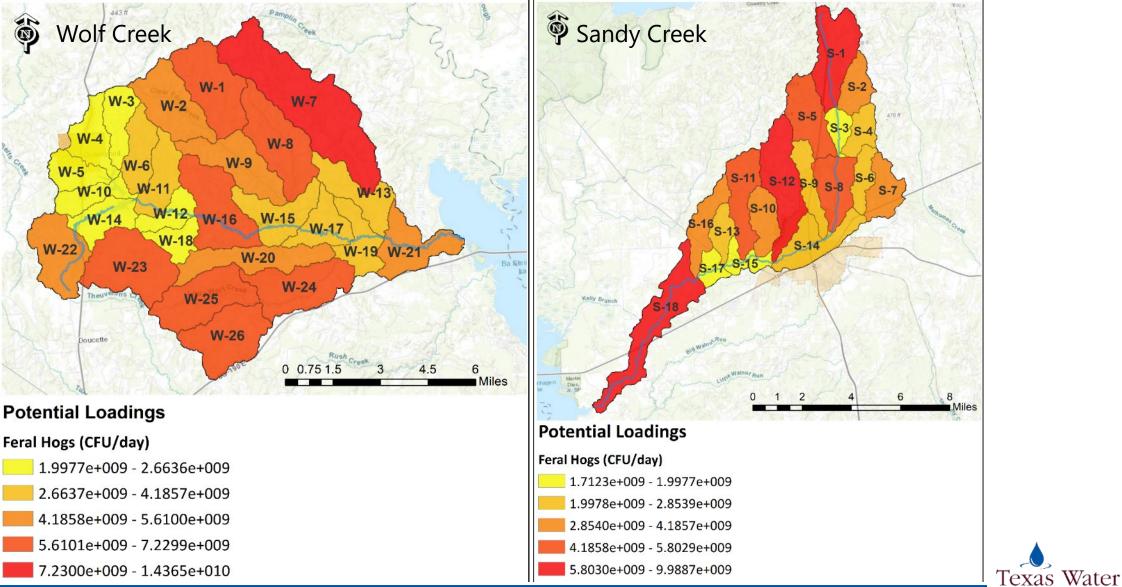
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Potential Management Measures Household Pets

- Signs and waste stations in public spaces
- Mailers, videos and other public education resources
- Other Measures?



Wildlife (feral hogs)



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Potential Management Measures Feral Hogs

- Feral hog management extension programs
- Trapping assistance program (panels, gates, installation)



Other Measures

- Forest landowners. Well managed private forests have water quality benefits
- Urban Riparian restoration/protection
- Water quality monitoring
- General water quality education





What is next?



What is next?

- Before next meeting
 - Document management measures and calculate approximate load reductions
 - Provide draft of first sections to committee members
- At next meeting
 - Finalize management measures to include in I-Plan (and/or WPP)
 - Identify implementation schedules
- What else would you like covered in the next meeting?

