



Plum Creek Watershed Partnership Steering Committee Meeting

City of Uhland Community Center 15 N. Old Spanish Trail, Uhland, TX 78640

> Tuesday, February 12, 2019 12:00 PM to 2:00 PM

<u>Agenda</u>

12:00	Welcome & Introductions - Steve Risinger					
12:15	Watershed Coordinator Updates - Steve Risinger					
12:25	Bacterial Source T	Tracking Final Results & Discussion– Steve Risinger				
	Short & longAppropriate I	-				
1:25	Steering Committe	ee Member Updates				
	Member Rev	view				
2:00	Adjourn					
	• Member Review Adjourn Next Meeting: 15 May, 2019 Time: 6 - 7:30 pm Location: TBD PCWP Public Meeting					



Steve Risinger Plum Creek Watershed Coordinator

PLUM CREEK WATERSHED PARTNERSHIP BUSINESS MEETING 12 FEBRUARY 2019

WATERSHED UPDATES

- Watershed Updates
- Bacterial Source Tracking Results
- ✤BMP Review
- Steering Committee Member Updates/Review



Steve Risinger Plum Creek Watershed Coordinator

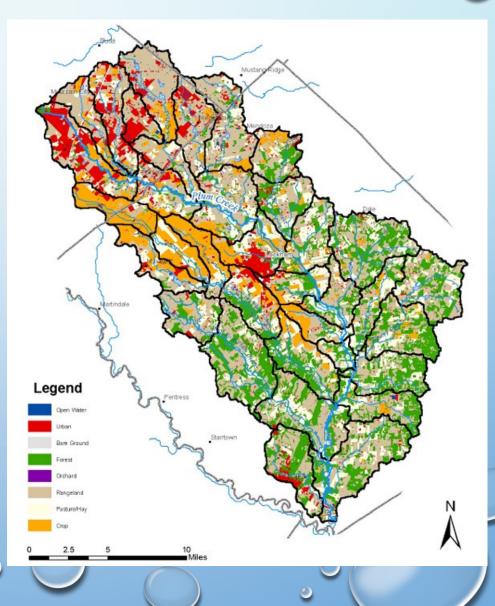
Welcome New Representatives!

PLUM CREEK WATERSHED PARTNERSHIP BUSINESS MEETING 12 FEBRUARY 2019



THE PLUM CREEK WATERSHED

- ✤ 397 square mile drainage
 - Tributary to the San Marcos River
 - Primary land use: farms & rural areas
 - Placed on 2004 Texas 303(d) list for exceeding the primary standard for contact recreation for <u>bacteria (E. coli < 126</u> <u>cfu</u>). All 3 segments remain impaired.
 - ◆ 2016 The TCEQ Integrated Report concerns: depressed DO, Nitrate, Total Phosphorus [©]



WATERSHED UPDATES

Caldwell County Justice Center * Deliverables to be completed: * Pervious paver lot design and construction * Education signage * RFQ accomplished, 1 bid received * Extended to Feb 2020

Submitted 2018 Governor's Community Achievement Award of Excellence: Lockhart * Total project award is \$160,000

WATERSHED UPDATES

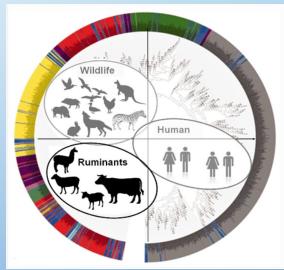
March 2nd * 34th Annual Great Texas River Cleanup with Plum Creek section

April 6th & Don't Mess with Texas Trash Off

BACTERIAL SOURCE TRACKING RESULTS

***BACTERIAL SOURCE TRACKING**

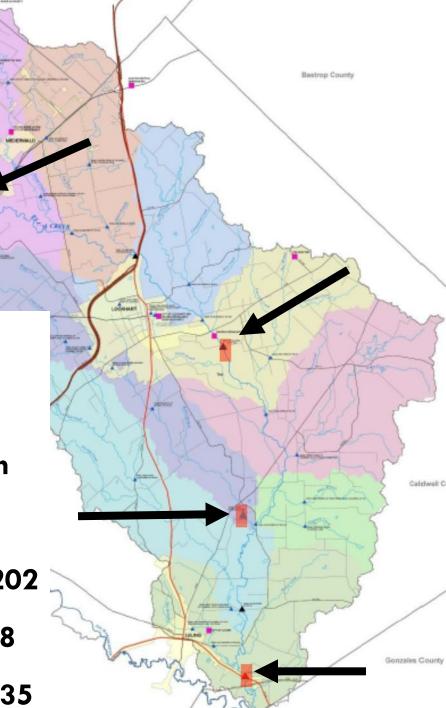
- Determines sources of fecal contamination
- Based on uniqueness of bacteria from individual sources
- DNA fingerprinting
- Improves resource allocation
- Plum Creek
 - ►TSSWCB
 - ≻TWRI

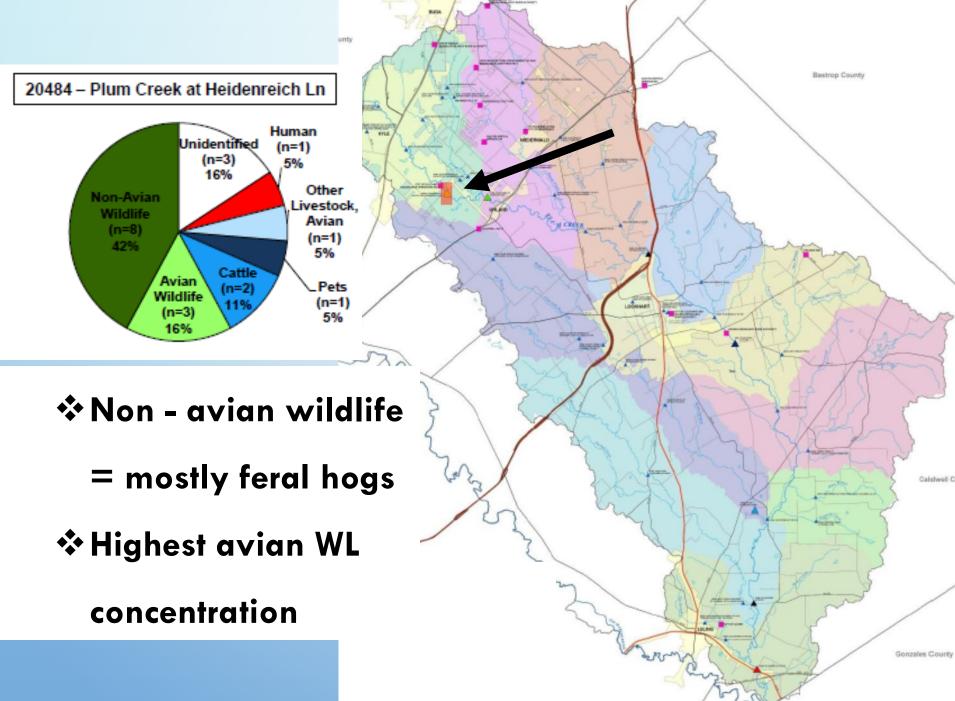


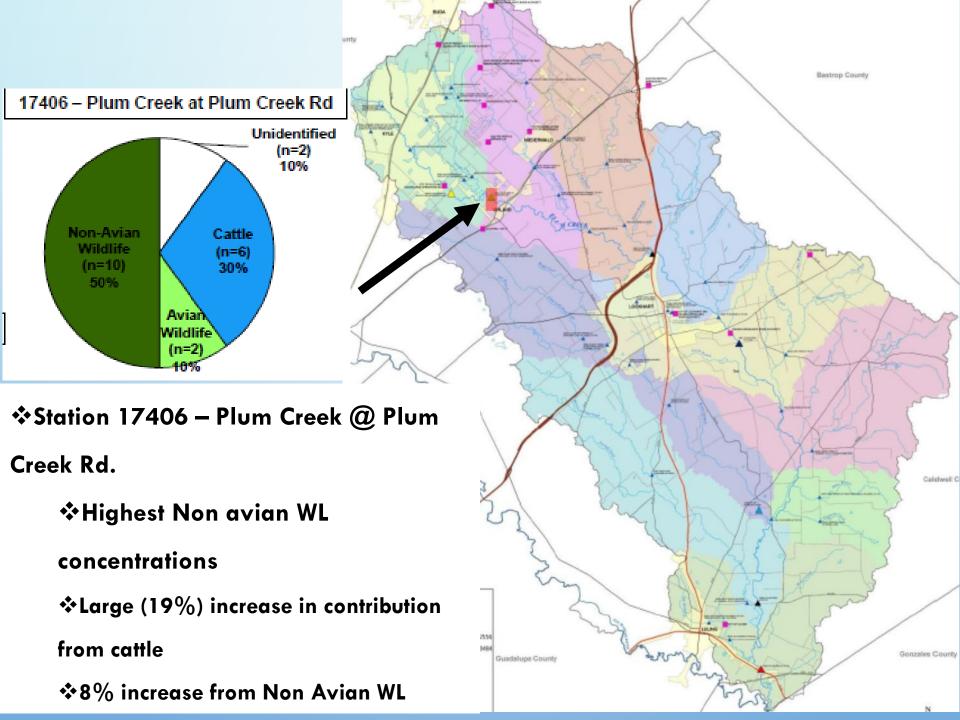
- Texas A&M Agrilife Dept of Soil & Crop Sciences
- UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON SCHOOL OF PUBLIC HEALTH

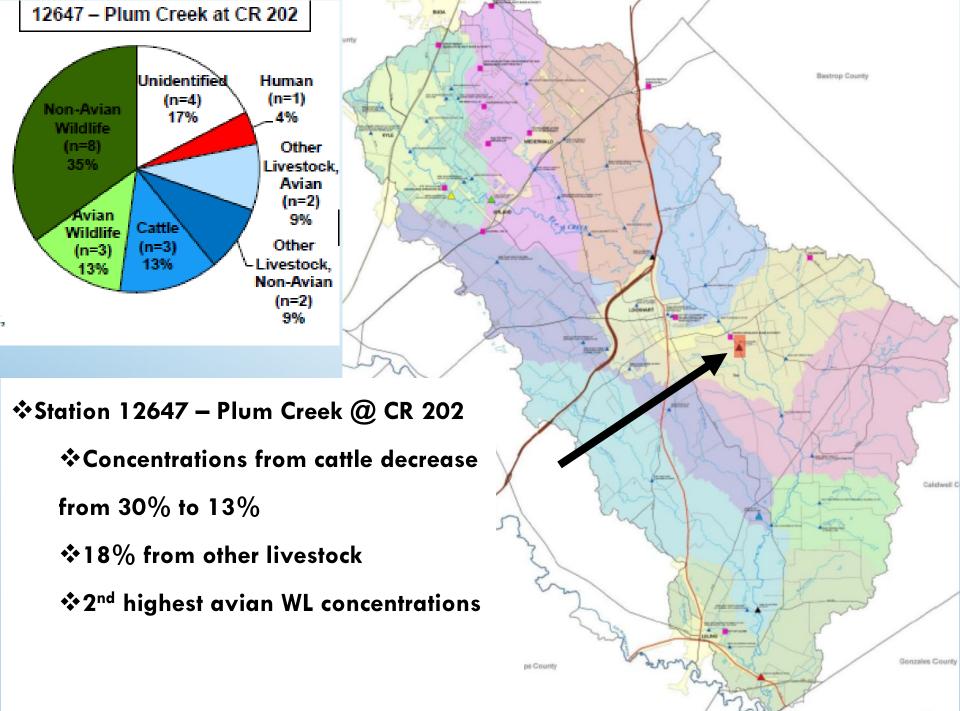
5 SAMPLING STATIONS

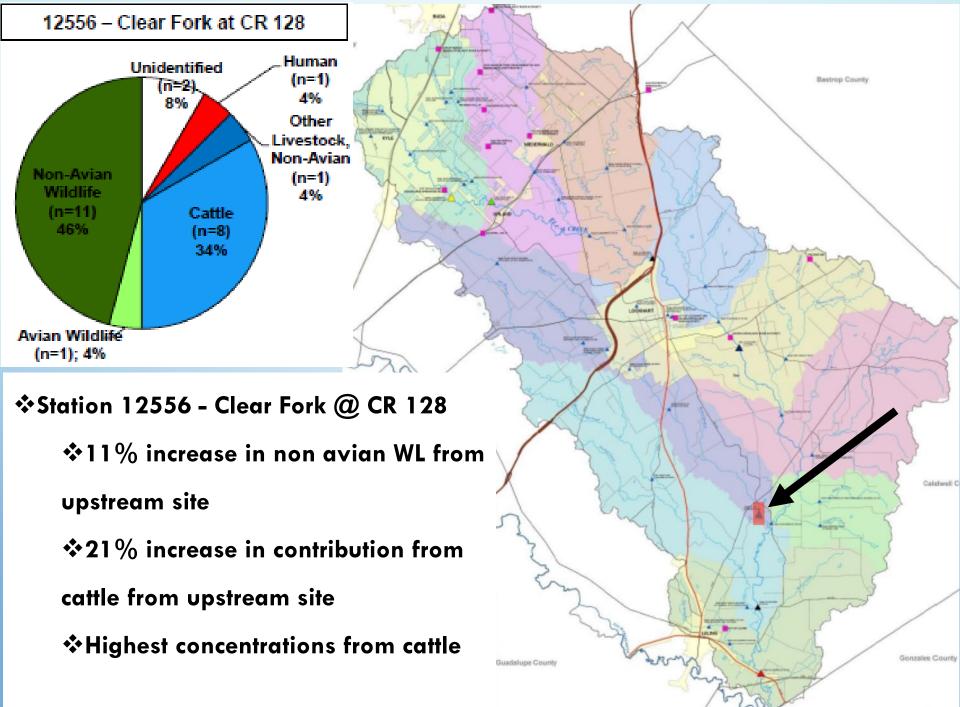
- Station 20484 Plum Creek @
- Heidenreich Ln.
- Station 17406 Plum Creek @ Plum
- Creek Rd.
- Station 12647 Plum Creek @ CR 202
- Station 12556 Clear Fork @ CR 128
- Station 12640 Plum Creek at CR 135

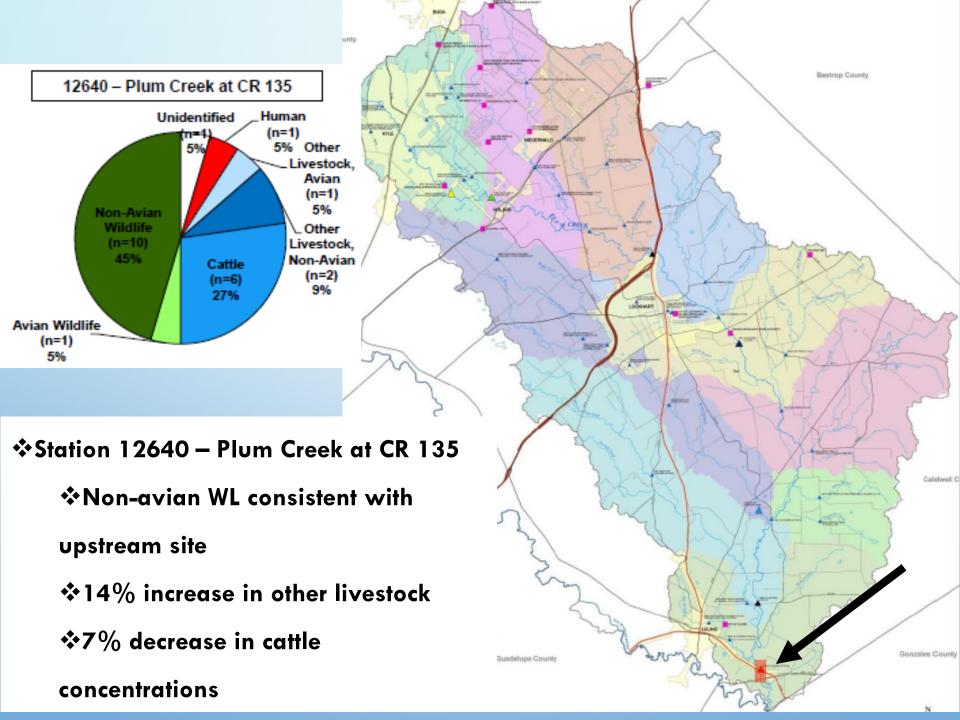


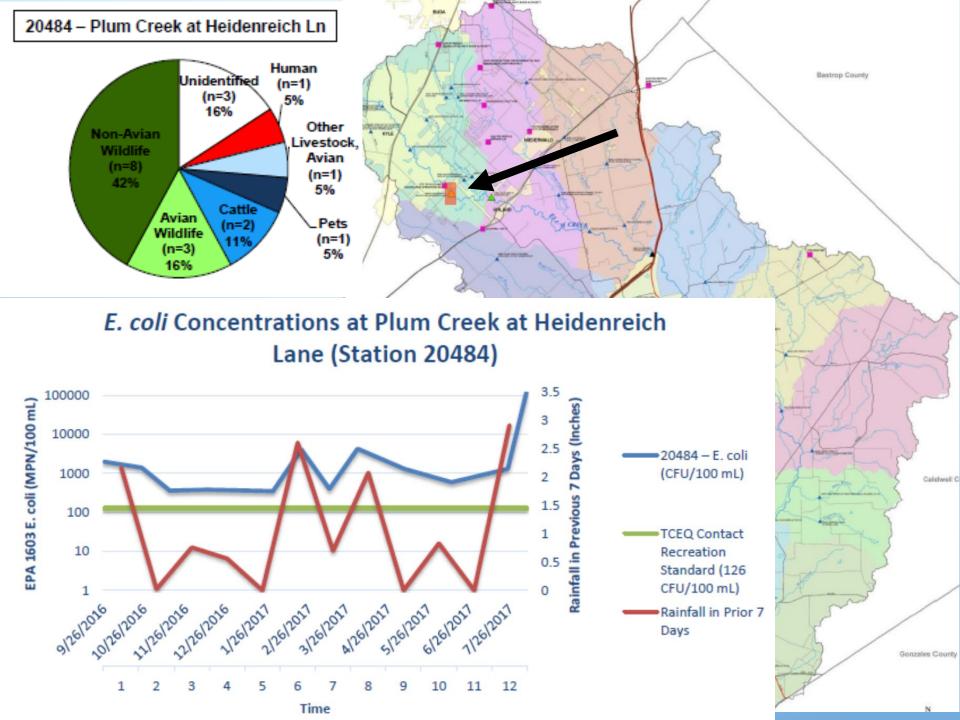












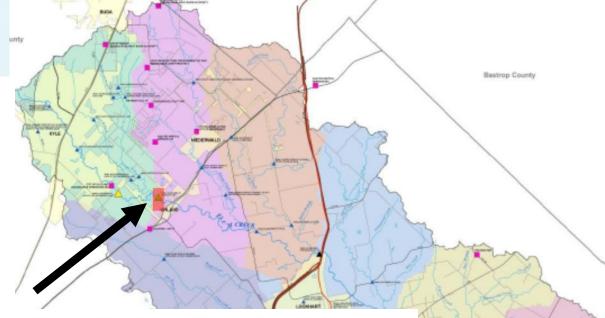
Station 17406 – Plum

Creek @ Plum Creek Rd.

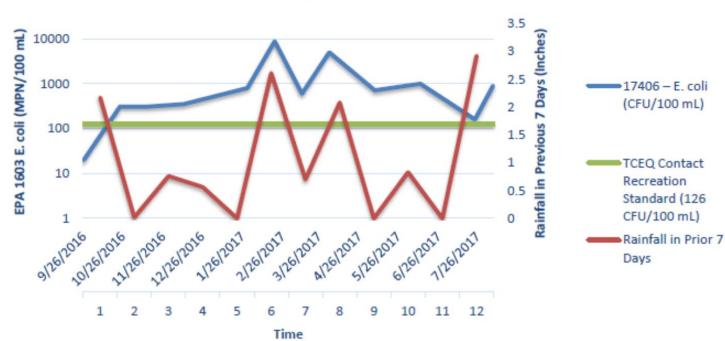
Indicates this station is

heavily influenced by nps

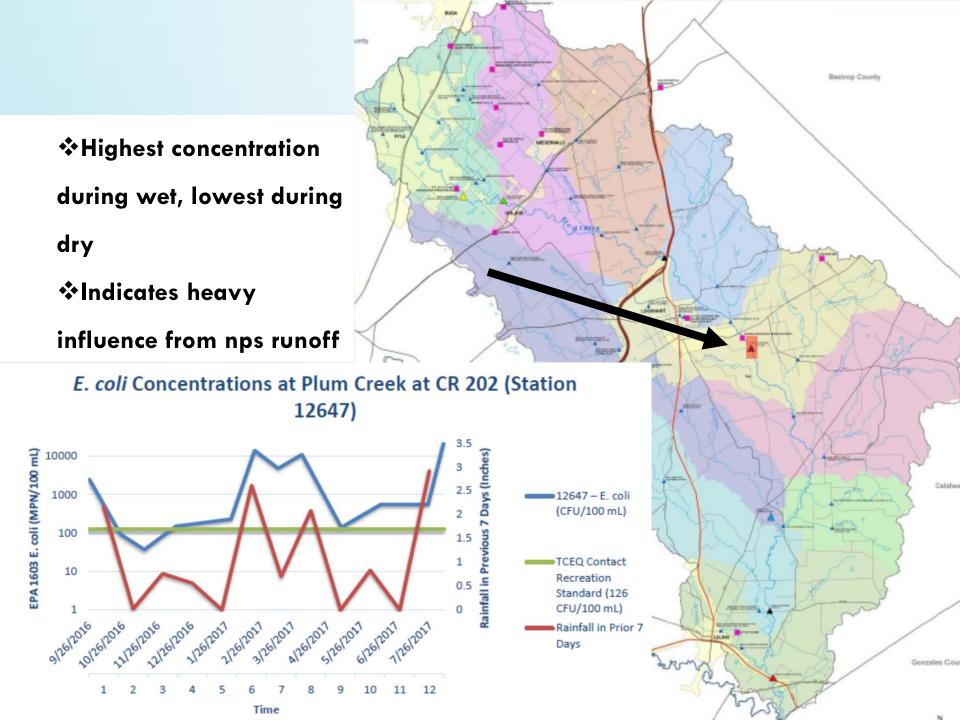
runoff

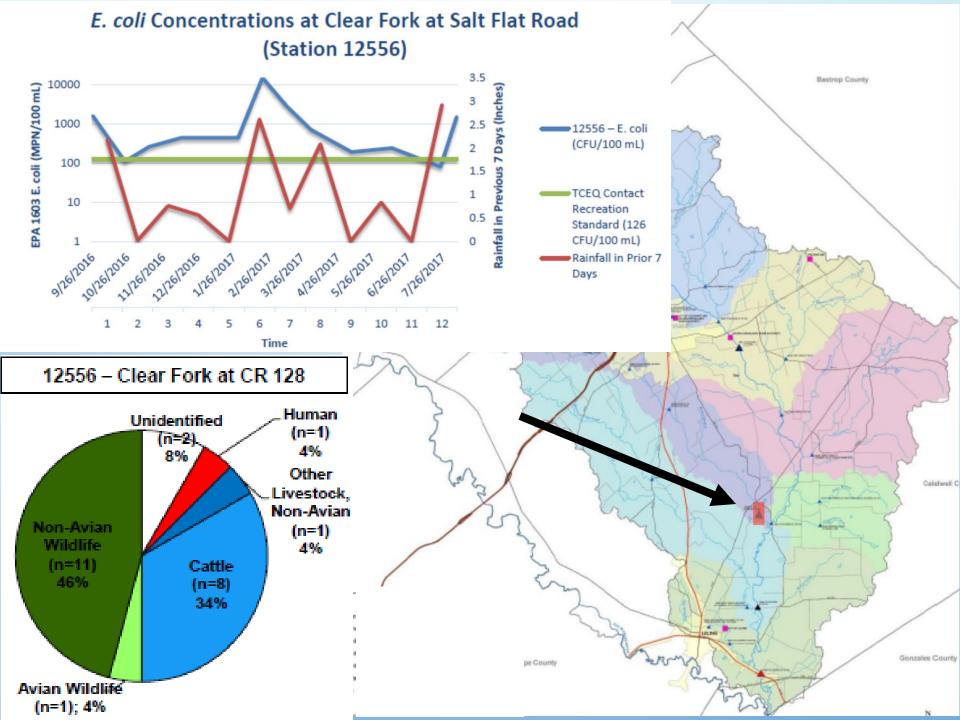


E. coli Concentrations at Plum Creek at Plum Creek Road (Station 17406)

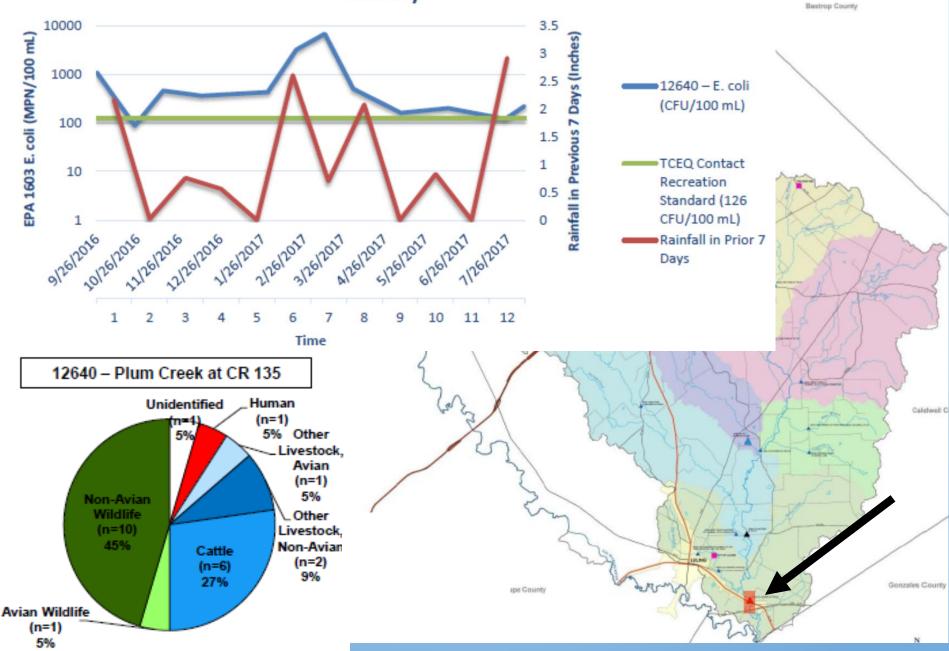




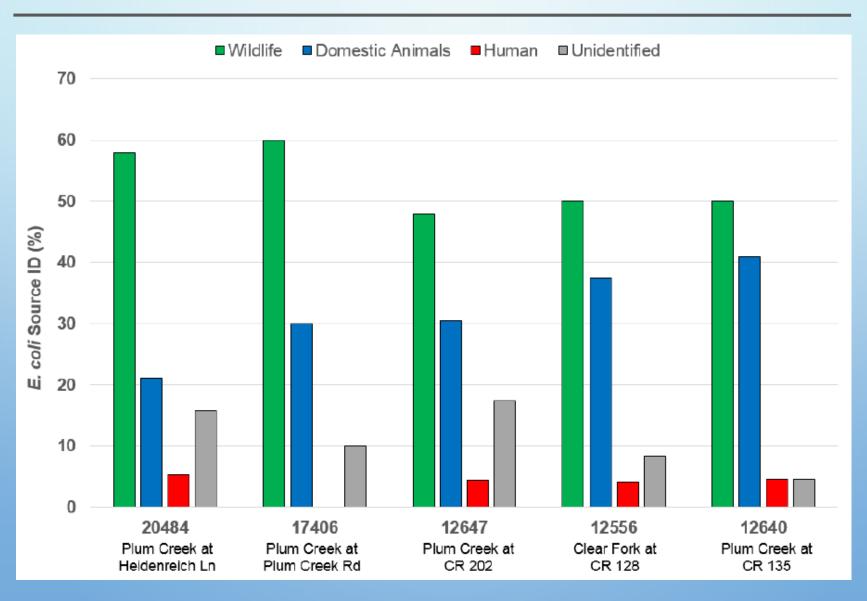




E. coli Concentrations at Plum Creek at CR 135 (Station 12640)



BACTERIAL SOURCE TRACKING RESULTS



GENERAL OBSERVATIONS

Apparent major E. Coli sources

- Feral hogs, small mammals, deer, birds
- Domesticated animals

Watershed trends

- Highest non-avian concentration found in upper watershed, big contributor
- Higher livestock/domestic animal concentrations in lower reaches of watershed
- Increase in avian WL concentrations downstream of urban area
- Less influence from WWTF than anticipated
- Limited presence of human E. Coli isolates

CURRENT IMPLEMENTATION EFFORTS

Urban Stormwater Management

CCJC LID Project & Urban Riparian Restoration of Town Branch

Waste Water Management

City of Kyle WWTF maintenance and expansion

Ag NPS Management

✤41 Total WQMPs

Wildlife Management

CHAMP/Hog Bounty

Education/Outreach

Cleanups & educational event attendance

			⁄ear				
Management Measure	Responsible Party	1-3	4-6	Status thru Dec. 2017	7-10		
Urban Stormwater Management Measures							
Pet Waste Collection Stations	City of Kyle	13	4	16	4		
Pet Waste Collection Stations	City of Lockhart	10	4	10	4		
Pet Waste Collection Stations	City of Luling	6	2	6	2		
Pet Waste Collection Stations	City of Buda	10	4	18	4		
Comprehensive Urban Stormwater Assessment	City of Kyle	1		Completed			
Retrofit Stormwater Detention Basins	City of Kyle	2		Completed			
Initiate Street Sweeping Program	City of Kyle			Initiated and continuing			
Comprehensive Urban Stormwater Assessment and Illicit Discharge Survey	City of Lockhart	1		Completed			
Manage Urban Waterfowl Populations	City of Lockhart			Ongoing			
Comprehensive Urban Stormwater Assessment	City of Luling	1		0			
Rehabilitate Stormwater Retention Pond	City of Luling	1		0			
Initiate Street Sweeping Program	City of Buda	1		Initiated and continuing			

Management Measure	Responsible Party	1-3	4-6	Status thru Dec. 2017	7-10			
Wastewater Management Measure								
Wastewater Upgrade (TSS Reduction)	WWTF Operators		3	3	7			
Wastewater Upgrade (Phosphorus Removal)	WWTF Operators		3	3	7			
Voluntary Monthly E. <i>coli</i> Monitoring	WWTF Operators			Ongoing				
Voluntary Monthly Phosphorus Monitoring	WWTF Operators			Ongoing				
Sanitary Sewer Pipe Replacement	City of Kyle	2,400 ft	2,400 ft	4,660 ft	3,200 ft			
Lift Station SCADA Installation	City of Kyle	3	4	1				
Sanitary Sewer Pipe Replacement	City of Lockhart	1,800 ft	1,800 ft	5,470 ft	2,400 ft			
Initiate Sanitary Sewer Inspection Program	City of Luling	1		1				
Sanitary Sewer Pipe Replacement	City of Luling	2,400 ft	2,400 ft	0	3,200 ft			
Lift Station SCADA Installation	City of Luling	4	1	0				
Sanitary Sewer Pipe Replacement	City of Buda		8,523 ft	14,754 ft				
Septic System Inspection/Enforcement (New Position)	Caldwell County	2		0				
Septic System Repair/Replacement	Hays County	300	300	359	400			
Septic System Repair/Replacement	Caldwell County.	150	150	34**	200			
Septic System Connection to Sewer	City of Uhland	100	100	0	150			

				Year			
Management Measure	Responsible Party	1-3	4-6	Status thru Dec. 2017	7-10		
Agricultural Management	Measures						
WQMP Technician (New Position)	SWCD			Funded through FY 2019			
Livestock Water Quality Management Plans	SWCD	65	70	120	102		
Cropland Water Quality Management Plans	SWCD 6		9	5	9		
Non-Domestic Animal and	Wildlife Management M	leasures	;				
Feral Hog Education (New Position)	AgriLife Extension			Funded through FY 2019			
Feral Hog (Demonstration Equipment)	AgriLife Extension			\$10,000 of Equip.			
Monitoring Component							
Targeted Water Quality Monitoring	GBRA			Funded through FY 2019			
Comprehensive Stream Assessment	GBRA	12	12	13	16		
Bacterial Source Tracking	TAMU	1		Completed			

		Year							
Outreach Activity	Responsible Party 1-3		4-6	Status thru Dec. 2017	7-10				
Broad-Based Programs									
Texas Watershed Steward Training Sessions	AgriLife Extension	3	2	3	1				
Elementary School Water Quality Project	GBRA			over 1,000 kids/yr funded through 2017					
Plum Creek Watershed Protection Brochure	GBRA/ AgriLife Extension			7,200 distributed of 12,000					
Tributary and Watershed Roadway Signage	AgriLife Extension	60		TxDOT denied					
Displays at Local Events	AgriLife Extension/TSSWCB	9	9	60	9				
Watershed Billboards	AgriLife Extension	Partnership decided against moving forward with this option							
Urban Programs									
Pet Waste Programs	Cities/TCEQ/ AgriLife Extension	2		4					
NEMO Workshops		2		4					
Fats, Oils, and Grease Workshop	GBRA/TCEQ/ AgriLife Extension	2		0					
Municipal Site Assessment Visits		4		9					
Urban Sector Nutrient Education	AgriLife Extension	3	3	4	3				
Sports and Athletic Field Education (SAFE)	AgriLife Extension	3	3	1	3				

			Year					
Outreach Activity	Responsible Party	1-3	4-6	Status thru Dec. 2017	7-10			
Wastewater Programs								
Develop Online Training Modules	GBRA	4		4				
Septic System Workshops and Assistance	AgriLife Extension/GBRA	4	3	12	3			
Agricultural Programs								
Soil and Water Testing Campaigns	AgriLife Extension	3	3	10	3			
Agriculture Nutrient Management Education	AgriLife Extension	3	3	10	3			
Crop Management Seminars	AgriLife Extension	3	3	3	3			
Agricultural Waste Pesticide Collection Days	TCEQ	1	No longer funded by TCEQ	1	No longer funded by TCEQ			
Lone Star Healthy Streams – Grazing Cattle Education	AgriLife Extension	3	3	3	3			
Non-Domestic Animal and	l Wildlife Programs							
Lone Star Healthy Streams - Feral Hog Management Workshop	AgriLife Extension	2	1	12	2			
Additional Programs								
Stream and Riparian Workshops	AgriLife Extension	2	1	6	2			
Illegal Dumping Site Targeted Cleanup	GBRA, AgriLife Extension, Keep Texas	3	3	13	3			
Community Stream Cleanup Events	Beautiful, Cities, Counties	2	3	20	3			
Rainwater Harvesting Education/ Demonstration	AgriLife Extension	2	1	5	2			



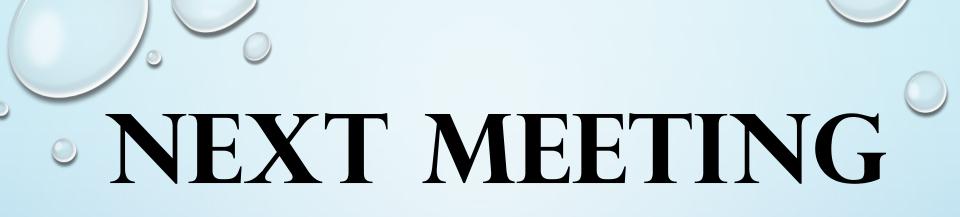
DISCUSSION





STEERING COMMITTEE MEMBER REVIEW

Last Name	First Name	sc	Entity	Email	Phone	Feb. 12, 2019
Auld	Tim	SC	Landowner	timothyauld@yahoo.com	512-623-9617	
Betz	Chris	sc	City of Uhland	ChrisBetz@FiveStarConcrete.net	512-921-7982	
Fogle	Oscar H.	sc	Landowner	oscar@fogle.org	512-376-9950	
Graham	Donnie	SC	Caldwell-Travis SWCD	cowboy44@grandecom.net	512-995-1092	
Haden	Норру	sc	Caldwell County*	hoppy.haden@co.caldwell.tx.us	(512) 398-1808	
Hamilton	Frank	sc	Local Realtor	frank.hamilton47@yahoo.com	830-875-9346	
Lillibridge	Brian	sc	City of Kyle,	slillibridge@cityofkyle.com	512-262-3024	
Meckel	Susan	SC	Landowner	susanmeckl@aol.com	512-922-5738	
Meyer	Daniel	SC	PCCD	dmeyer@pccd.org	512-398-2383	
Nett	John	sc	City of Buda	JNett@ci.buda.tx.us	512-523-1025	
Pittman	Paul L.	SC	Polonia WSC	paulp@ranchwireless.com	512-559-2030	
Powell	Chris	sc	City of Luling*	publicworks@cityofluling.net	830-875-5131, 512-738-1099	
Reinecke	Peter	SC	Landowner	peter@preinecke.net	512-376-1496	
Roecker	Kathy	SC	City of Kyle,	kroecker@cityofkyle.com	512-618-8296	
Sager	Chris	SC	City of Lockhart	csager@lockhart-tx.org	512-398-6452	
Steubing	Doris	SC	2SRanch	dhsteubing@gmail.com	512-227-2727	
Storm	Josh	SC	Hays County SWCD	stormranch@yahoo.com	512-626-6726	
Thompson	Alexandra	SC	Hays County	7933@hays.tx.us		
Wassenich	Dianne	SC	San Marcos River Foundation	wassenich@grandecom.net	512-393-3787	
Watson	Bill	SC	Landowner	loiswatson@bcsnet.net	830-875-2941	
Willis	Lauren	SC	GBRA	lwillis@gbra.org	830-379-5822	



MAY 15, 2019 6:00PM LULING TX

THANKS!

Steve Risinger
Plum Creek Watershed Coordinator

risinger@plumcreekwatershed.org

405 E. Market Street Lockhart, TX 78644

(830) 557-7358