

MISSION AND ARANSAS RIVERS IMPLEMENTATION PLAN UPDATE

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Agenda

- Total Maximum Daily Load (TMDL) and Total Maximum Daily Load Implementation Plan (I-Plan) Recap
- Overview of WPP
- Implementation Update
- Water Quality Update
- Next Steps
- Discussion

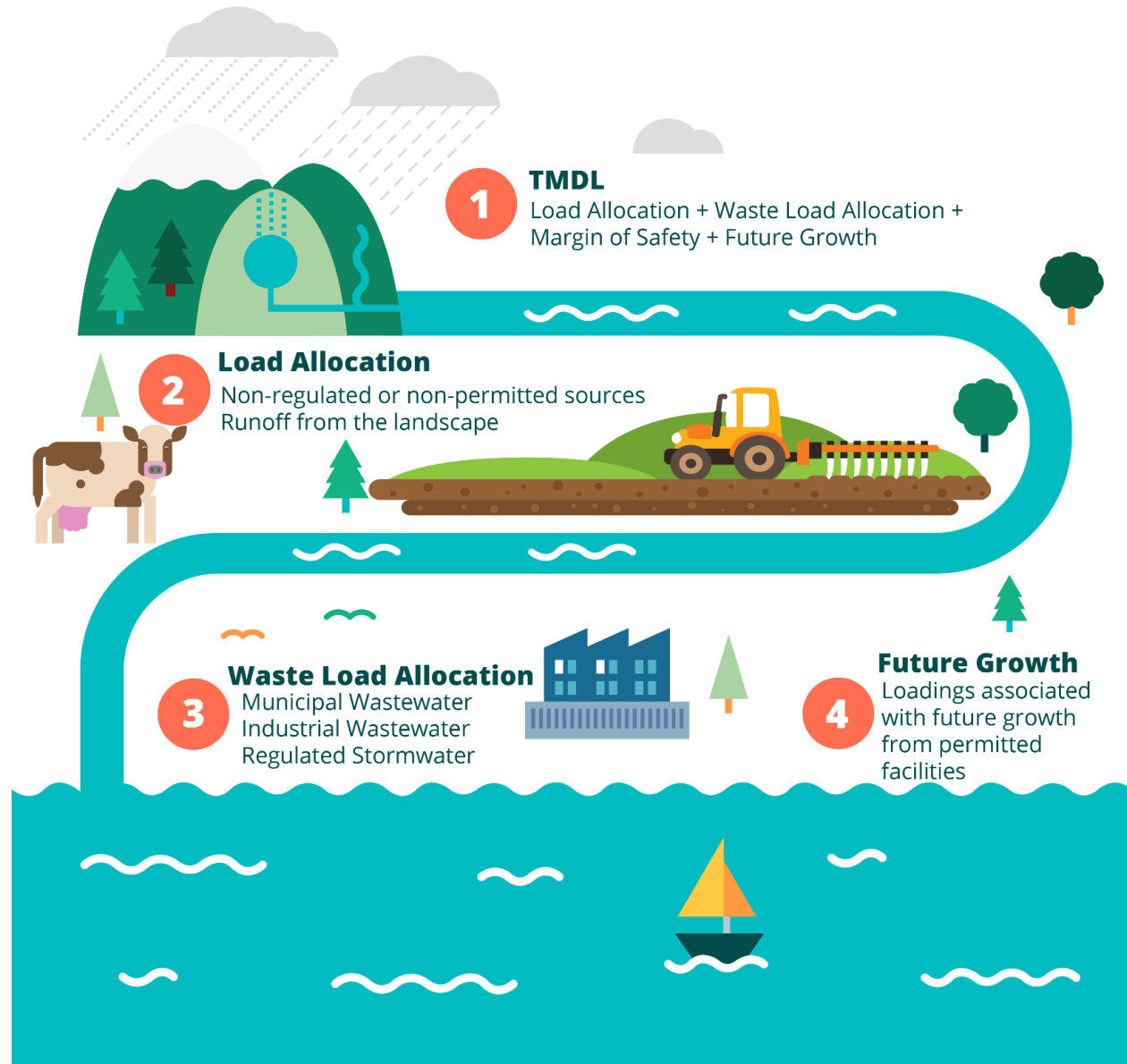
TMDL Recap

Defines the “pollution” budget for the waterbody.

Identifies pollutant of concern, sources, and allowable load.

Adopted in 2016 by TCEQ.

Updated in 2017 to include Load Allocations for Aransas River Above Tidal and Poesta Creek.

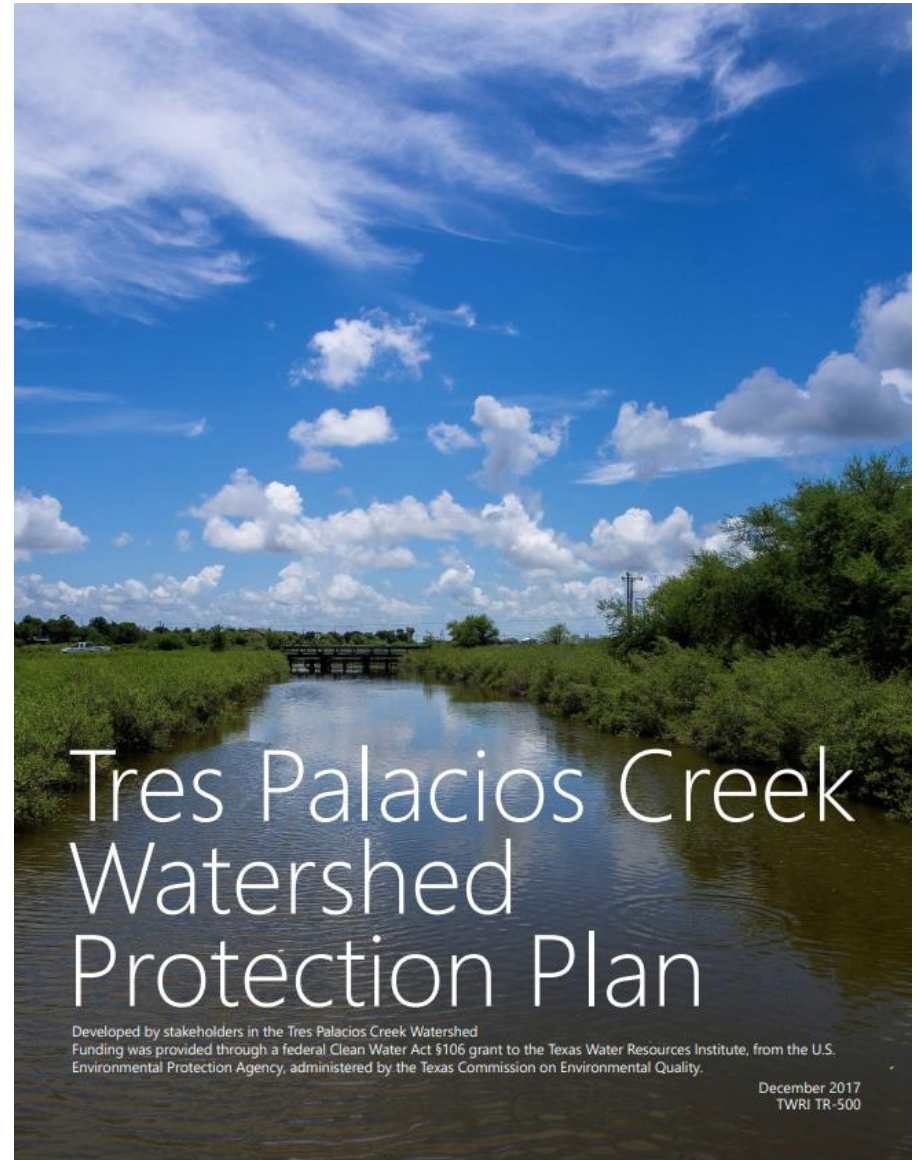


I-Plan Summary and Recap

	Description	# in Mission River	# in Aransas River
MM #1	Promote Voluntary Conservation Plans	81	122
MM #2	Tax Exemption Evaluation	NA	NA
MM #3	Feral Hog Control	745	598
MM #4	Reduce Illicit Dumping	NA	NA
MM #5	Increase Septic System Compliance	76	486
MM #6	Promote Urban Stormwater BMPs	74	517
MM #7	Reduce Unauthorized Discharges	15%	15%
MM #8	Voluntary Adoption of Half Bacteria Limits by WWTFs	0	4
MM #9	Expand Monitoring	NA	NA
CA #1	Increase WWTF Effluent Monitoring	NA	NA
CA #2	Upgrade WWTFs	0	2

Overview of Watershed Protection Plan

- Chapter 1: Watershed Management
- Chapter 2: Characterization of the Mission and Aransas Rivers Watersheds
- Chapter 3: Water Quality
- Chapter 4: Pollutant Source Assessment
- Chapter 5: Watershed Protection Plan Management Strategies
- Chapter 6: Plan Implementation
- Chapter 7: Assistance Needs
- Chapter 8: Implementation Support and Success



IMPLEMENTATION UPDATE

General Land Office Implementation Grant

- Communications
 - Spring/Summer 2019 Newsletter
 - Septic System Maintenance Fact Sheet
 - Identifying a Failing Septic System Fact Sheet
 - Septic System Pocket Guide – In Development
 - Benefits of Rotational Grazing – Thoughts?
- Grant Writing
 - Implementation – funded
 - Stormwater Education – rejected
 - Targeted Education – rejected
 - Small Acreage Landowner – rejected
 - Water Quality Monitoring – funded
 - WPP Development – funded
 - Upcoming - TCEQ, TSSWCB, GLO RFPs

General Land Office Implementation Grant

- Public Meetings
 - August 2018
 - May 2019
- Education and Outreach
 - Riparian Education – Goliad April 20, 2018
 - Texas Watershed Stewards – Beeville July 18, 2018
 - Texas Well Owner Network – Beeville October 18, 2018
 - Texas Well Owner Network – Refugio May 15, 2019
 - Lone Star Healthy Streams – Refugio, July 16, 2109
 - Others?? Septic System Maintenance?

Implementation Tracking

	Description	# in Mission River	# in Aransas River
MM #1	Promote Voluntary Conservation Plans	54 (81 goal)	53 (122 goal)
MM #2	Tax Exemption Evaluation	NA – Honey Bee?	NA– Honey Bee?
MM #3	Feral Hog Control	?	?
MM #4	Reduce Illicit Dumping	Trash pickup in Blanco Creek	?
MM #5	Increase Septic System Compliance	?	?
MM #6	Promote Urban Stormwater BMPs	?	?
MM #7	Reduce Unauthorized Discharges	2009-2016 = 1.3 average per year 2016-2019 = 1.5 per year average	2009-2016= 2.6 average per year 2016-2019 = 4.5 average per year
MM #8	Voluntary Adoption of Half Bacteria Limits by WWTFs	?	?
MM #9	Expand Monitoring	18 months	18 months
CA #1	Increase WWTF Effluent Monitoring	According to Permit	According to Permit
CA #2	Upgrade WWTFs	1? (goal of 0)	2 (goal of 2)

Grant Ideas?

- GLO, TCEQ, TSSWCB requests for proposals out soon
- Municipal stormwater education programs
- Continued implementation?
- Need for local technician at SWCDs?
- Septic system repair and replacement?
- Small acreage education?

WATER QUALITY UPDATE

Mission River Tidal – 2001_01 Assessed Value

2014 Report (12/2005-11/2012)	71.06
2016 Draft Report (12/2007-11/2014)	68.51
2018 Estimated Value (12/2009-11/2016)	75.82

Aransas River Tidal – 2003_01 Assessed Value

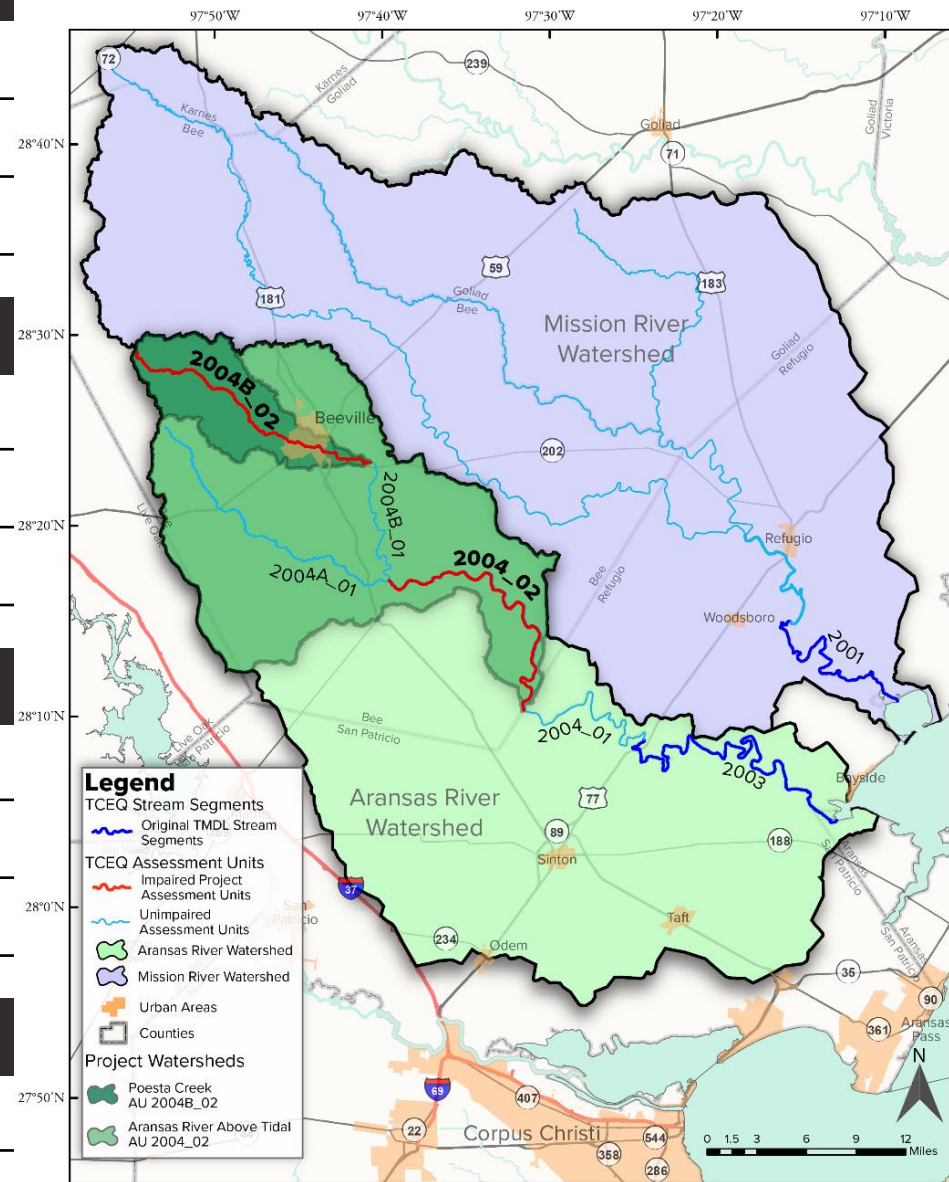
2014 Report (12/2005-11/2012)	64.29
2016 Draft Report (12/2007-11/2014)	90.61
2018 Estimated Value (12/2009-11/2016)	86.36

Aransas River Above Tidal – 2004_02 Assessed Value

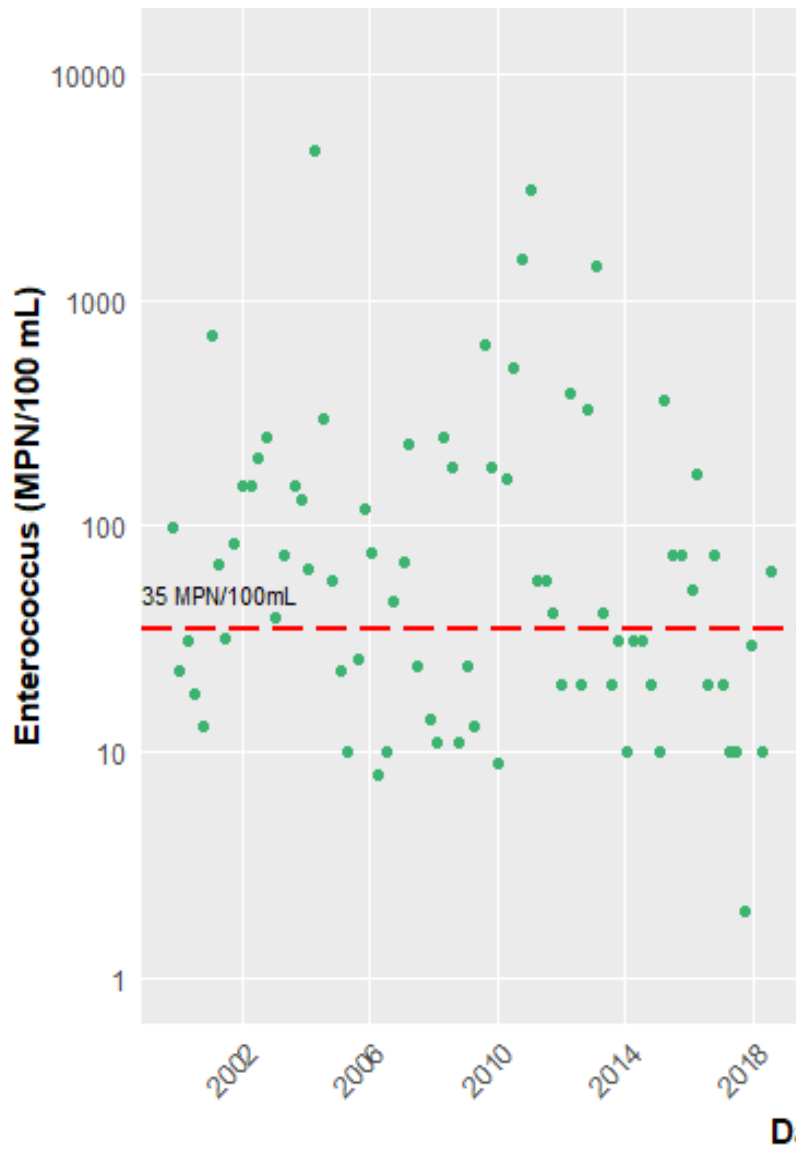
2014 Report (12/2005-11/2012)	166.41
2016 Draft Report (12/2007-11/2014)	181.13
2018 Estimated Value (12/2009-11/2016)	177.16

Poesta Creek – 2004B_02 Assessed Value

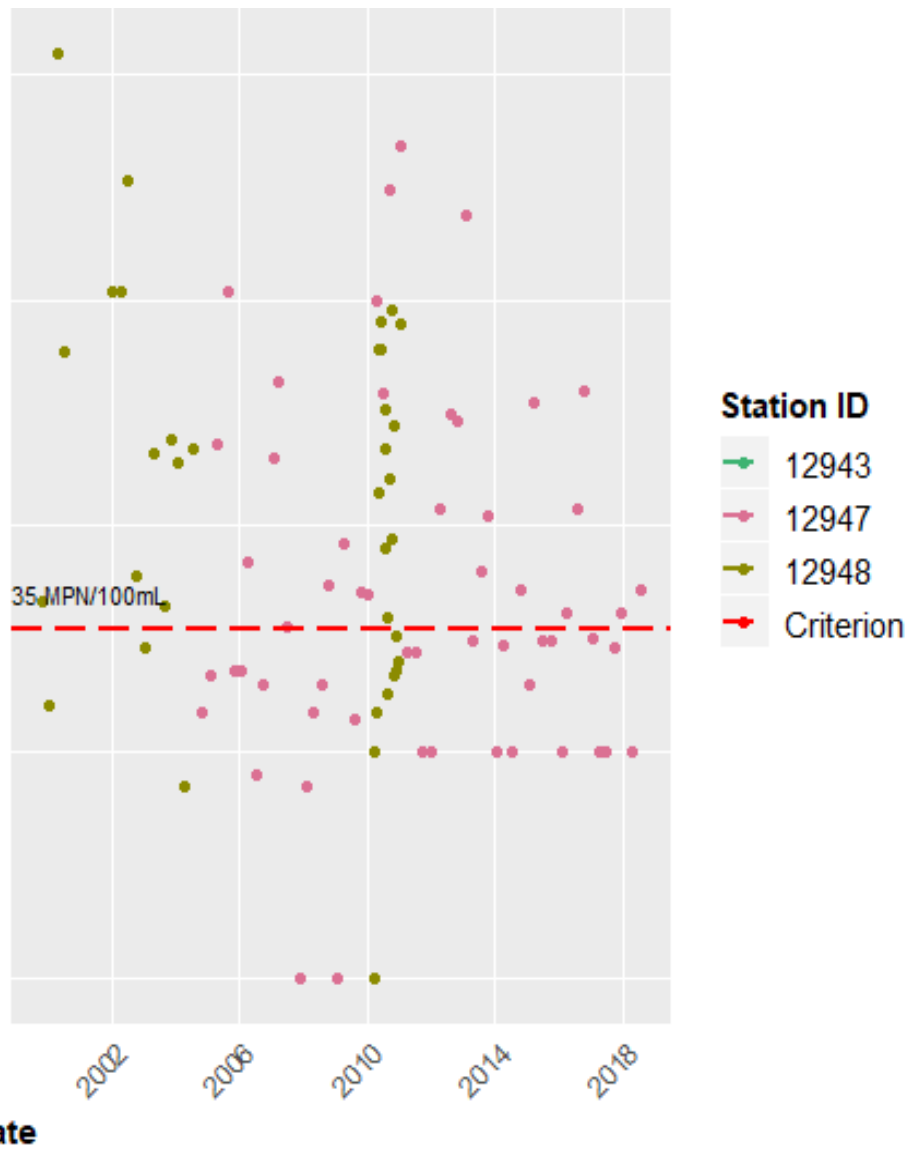
2014 Report (12/2005-11/2012)	310.76
2016 Draft Report (12/2007-11/2014)	306.54
2018 Estimated Value (12/2009-11/2016)	291.99



Mission River Tidal

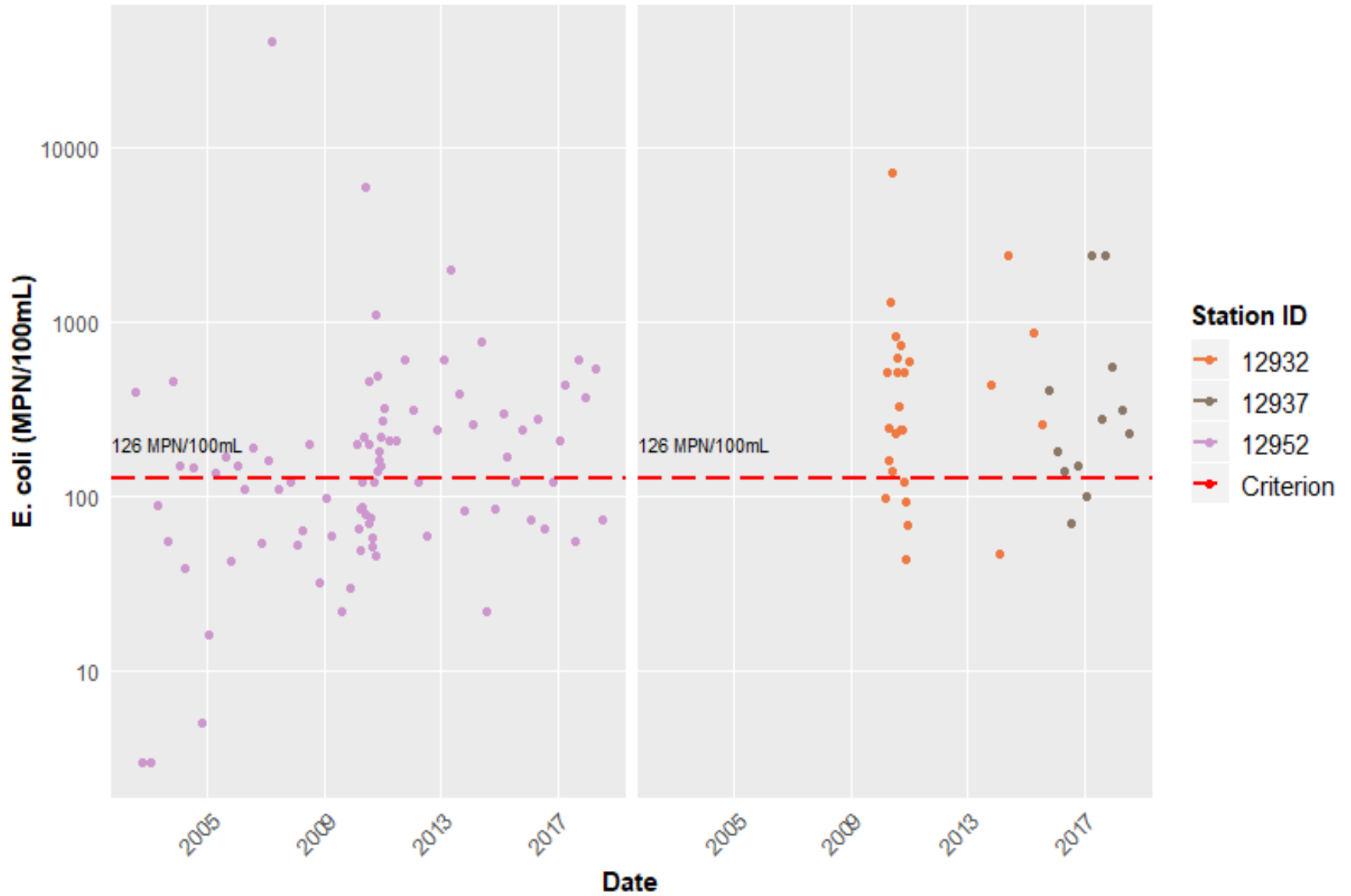


Aransas River Tidal



Aransas River Above Tidal

Poesta Creek



NEXT STEPS

Next Steps

Mission and Aransas Rivers Watershed Protection Plan



A document developed by the stakeholders of the Mission and Aransas Rivers watersheds to restore and protect water quality in Mission River (Segment 2001), Aransas River (Segment 2003) and other waterbodies in the watersheds.

11

- Develop a Fall newsletter and distribute via email
- Complete Watershed Protection Plan
- Continue monitoring
- Upcoming grant opportunities
 - TCEQ RFP
 - TSSWCB RFP
 - GLO RFP
- Continue tracking implementation
- Host education program
 - Lone Star Healthy Streams
- Next public meeting – Fall 2019

DISCUSSION

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