

Trinity River Authority

Clean Rivers Program Coordinated Monitoring Meeting Minutes for the FY 2025 Monitoring Schedule

Date: April 4, 2024 **Time:** 11:00 – 12:00 **Location:** Webex **Facilitator:** Angela Kilpatrick, TRA

Attendees:

- | | |
|--|---|
| <ul style="list-style-type: none"> Blake Alldredge, Upper Trinity RWD Mariah Baker, TCEQ Region 9 Waco Veronica Baty, NTMWD Jack Brothers, City of Plano Sarah Burns, NTMWD Weston Bustetter, City of Frisco Michelle Carte, UTRWD Jody Cason, City of Grand Prairie Dahalia Coone, City of Dallas DWU-SWO Madeline Cullison, City of Arlington Jessica Donovan, City of Dallas Water Utilities Bailey Duncan, Tarrant Regional Water District Bonnie Evans, TCEQ WQS Kiran Freeman, TCEQ CRP Brigette Gibson, City of Arlington Justin Griffin, City of Arlington Scott Griffith, TCEQ Region 10 Sheryl Hanks, TRA LLP Jason Heflin, City of Grand Prairie Kevin Hill, City of Dallas DWU-SWO Jamie Hopper, DFW Airport Brian Kelm, UTRWD | <ul style="list-style-type: none"> Elizabeth Kompanik, TCEQ Region 12 Kalista Mitchell, TCEQ SWQM Richard Marsh Dalton Norris, DFW Airport Megan Paliwoda - City of Fort Worth Charlie Pratt, Trinity River Authority Robin Pugh, TCEQ Region 4 Echo Rexroad, City of Plano Doug Robinson, TCEQ Region 10 Beaumont Anthony Rust, Trinity River Authority Laura Ryckman, TCEQ SWQM Ryan Seymour, Trinity River Authority Wilson Snyder, TCEQ Region 9 Waco Joshua Spencer, City of Dallas DWU-SWO Kristen Suprobo, NTMWD Brandon Swain TRWD Asciatu Whiteside, DFW Airport Sarah Whitley, TCEQ WQS/CRP Christopher Wilson, City of Grand Prairie Kyle Wright USDA NRCS Hong Wu, Trinity River Authority |
|--|---|

Time Stamp	Item
00:00:00 – 00:13:32	Reminders <ul style="list-style-type: none"> • Details in the 2022 Coordinated Monitoring Meeting at https://www.youtube.com/watch?v=Yqg3qzN_Se8&list=PLZFdg-40eRBvFejGiuEQtFhHyQt-Dy447&index=3 • General reminders • Drought Conditions – Reservoirs, Streams (Dry), Streams (No Flow) • Water Column Depth & Sample Depth Reporting • Reservoir Profiles • Data Submittal Timelines
00:13:32 – 00:18:17	Overview and Verification of Entity Monitoring for FY 2025 (9/1/2024 to 8/31/2025) <ul style="list-style-type: none"> • City of Arlington – no changes • City of Dallas (DA) – no changes • City of Dallas (DT) – no changes • DFW Airport EAD – no changes • City of Fort Worth – no changes • City of Frisco – no changes • City of Grand Prairie – no changes • City of Irving – no changes • TRA Lake Livingston Project – no changes • North Texas Municipal Water District – no changes • City of Plano – no changes • Tarrant Regional Water District – no changes • Upper Trinity Regional Water District – no changes • TRA – finalizing ALM site for FY 2025 and some new monitoring stations to address coverage gaps

Time Stamp	Item
	<ul style="list-style-type: none"> • TCEQ <ul style="list-style-type: none"> ○ Region 12 – moving Station 18696 due to accessibility issues to either Station 22232 or another TBD location pending recon ○ Region 9 – changes already made on CMS, Lake Fairfield site removed ○ Region 4 – no changes
00:18:17 – 00:22:10	<p>Overview of CMM Handout - email kilpatricka@trinityra.org for a copy of the handout</p> <ul style="list-style-type: none"> • Definitions • Draft 2024 Integrated Report detail • Summary Draft 2024 IR Maps • Draft 2025 Monitoring Schedule – final will be posted to cms.lcra.org and included in the QAPP Amendment 3 • Summary Draft 2024 IR, Monitoring History, Notes
00:22:10 – 00:59:54 00:22:10 0:24:22 0:25:02 & 0:57:02 0:25:32 0:26:30 0:26:50 0:27:24 & 0:56:39 0:24:47 0:28:48 0:29:33 & 0:30:27 0:30:10 0:30:45	<p>Monitoring Discussion (action items in red text)</p> <ul style="list-style-type: none"> • 0801C_01 DO impairment <ul style="list-style-type: none"> ○ Do we need to address an impairment based on grab sampling with diel monitoring? TCEQ Laura Ryckman - yes, 24-hour DO is required to delist even if the impairment is from grab samples. ○ Region 12 – currently don't have any plans to collect diels in this segment due to current workload but can talk about this next year. Laura Ryckman – asking Region 12 to recon while they are out sampling and see if there are any good places to deploy a sonde. • 0803_09 DO concern <ul style="list-style-type: none"> ○ Need more grab sampling to address a concern based on previous grab samples. • 0803F_01 E. coli and chlorophyll-a concerns <ul style="list-style-type: none"> ○ Need additional monitoring to address these concerns. Set up meeting with TCEQ Region 9 and Austin staff to determine if they can pick up a site in this AU. • 0804_02 & 0804_03 NO3, TP, and chlorophyll-a concerns <ul style="list-style-type: none"> ○ No bridge access crossing the river so we won't ever be able to get routine monitoring in these AUs and will probably remain on the integrated report unless a bridge is built over the river in the future. But if there are concerns for these parameters in AU 01 and 04, then the concerns very likely exist in AU 02 and 03. • 0804F_01 concerns for E. coli and chlorophyll-a <ul style="list-style-type: none"> ○ TRWD added monitoring that addresses these concerns. • 0804H_01 DO impairment <ul style="list-style-type: none"> ○ LLP is conducting diel monitoring. Samples so far are meeting the criteria and impairment could potentially be delisted in the future but more data is still needed to complete the minimum data set. • 0804K_01 E. coli impairment <ul style="list-style-type: none"> ○ Not being addressed by TCEQ monitoring according to cms.lcra.org but there are E. coli data for in SWQMIS for 2/24/2024 for 1/19/22, 11/8/22, 4/26/23, and 110/25/23. TCEQ Region 9 staff confirmed that there is an error in the CMS and that E. coli are being collected at Station 20382. • 0804M_01 and 0804M_02 Fish and benthic impairments <ul style="list-style-type: none"> ○ Do we need to have discussions with TCEQ about revisiting these ALMs? When, where, how many sites? • 0805_01 Chlorophyll-a, NO3, TP concerns <ul style="list-style-type: none"> ○ TRA sampled in this AU for several years (enough for assessment). Due to location on the main stem below the DFW metroplex, we expect that chlorophyll-a and nutrient concerns will remain indefinitely unless permit limits change. • 0805E_01 macrobenthic concerns <ul style="list-style-type: none"> ○ May go back to this site in the future. ○ Site selection was related to a past PCB, Dioxin, Furan in sediment study – suspected sources upstream of ALM reach. • 0805A_01 and 0805F_01 <ul style="list-style-type: none"> ○ Sites in these AUs were made long-term monitoring locations. • 0806F_01 <ul style="list-style-type: none"> ○ TRA 2017 to 2022 monitoring supports the concern finding. Likely due to both runoff and direct sources. Station is immediately downstream of Fossil Ridge Stables that might be a source. Google Street View shows what may be horse tracks in the creek. Can City of Fort Worth enforce this area? Megan can check in with team that may have been involved with site previously. FW could potentially add sampling there again in the

Time Stamp	Item
0:32:50	<p>future if needed. Set up a meeting with Fort Worth (Megan) to discuss future course of action.</p> <ul style="list-style-type: none"> • 0810_01 Chlorophyll-a concern <ul style="list-style-type: none"> ○ TRWD is picking up chlorophyll at 10969.
0:33:09	<ul style="list-style-type: none"> • 0812_01 and 0812_02 Chloride and TDS impairment <ul style="list-style-type: none"> ○ AU 02 impairment is due to the way the standard is applied as an average of the whole segment. TDS impairment is based on a conversion from specific conductance which may not be appropriate. But since chloride is elevated, specific conductance would also be elevated. Standards revisions were made in 2010 but not yet approved by EPA. Impairments may be removed if revisions are ever approved.
0:34:35	<ul style="list-style-type: none"> • 0816_01 Station 10980 potential relocation <ul style="list-style-type: none"> ○ Station 10980 used for the numeric nutrient criteria may not be representative of the main body of the reservoir especially because the site is very shallow and may be more representative of the outfall water from Bardwell. Should station be moved more toward the center of the dam in deeper water? Does it matter? How would that affect assessment? Set up a meeting with TCEQ (Laura, Kalista, and someone on standards because site is listed in Appendix F) to discuss this after April/May.
0:37:18	<ul style="list-style-type: none"> • 0818_02, _03, _05, _07, _08, _12 pH impairments <ul style="list-style-type: none"> ○ Data that resulted in the impairments may have been from a cove issues study years ago. Standards revisions were requested in 2014 but EPA has not yet approved these revisions.
0:38:13	<ul style="list-style-type: none"> • 0818_13 DO concern <ul style="list-style-type: none"> ○ Need DO grab samples to address the concern
0:38:27	<ul style="list-style-type: none"> • 0820B_01 E. coli impairment and NH3, NO3 concerns <ul style="list-style-type: none"> ○ Some overlap in monitoring between TRA and City of Dallas but Rowlett Creek WPP is benefitting from the data collection so TRA will continue monitoring at this site. Dallas is not collecting TKN and NO3. Set up a meeting with City of Dallas (Jessica) and Rowlett WPP staff to determine the future of monitoring in this AU.
0:39:54	<ul style="list-style-type: none"> • 0822_02 Cadmium impairment <ul style="list-style-type: none"> ○ Issue has gone on and off the list over the years but NS was added in 2024. There were two high data points which may have lead to the impairment less than one day after precipitation. Identified a potential source in a metals fabrication area draining to Furneaux Creek upstream of Station 16438. Set up a meeting with TCEQ, City of Dallas (Jessica), and City of Carrollton (Krista Pender) to determine if additional monitoring should be conducted or if two detections over the period of record are worth the resources.
0:42:32	<ul style="list-style-type: none"> • 0822_04 Chlorophyll-a concern <ul style="list-style-type: none"> ○ Concern will likely remain because the site is immediately downstream of the Lewisville dam and is impacted by chlorophyll-a levels in the reservoir. Screening level in reservoirs is 26.7 ug/L and is 14.1 ug/L in steams.
0:43:19	<ul style="list-style-type: none"> • 0823B_01 NO3 and TP concerns <ul style="list-style-type: none"> ○ Concerns will likely remain because monitoring stations are downstream of a WWTF. Effluent is nutrient rich and advanced nutrient removal technology is not currently widely available or cost efficient.
0:43:50	<ul style="list-style-type: none"> • 0824_01 and 0824_02 Chlorophyll-a, TP, and NO3 concerns <ul style="list-style-type: none"> ○ Concerns will likely remain because monitoring stations are downstream of a WWTF.
0:44:08	<ul style="list-style-type: none"> • 0825_01 NO3 concern <ul style="list-style-type: none"> ○ TRA dropped monitoring at Station 11034 for FY 2025 because E. coli issue no longer exists and Dallas is still monitoring at Station 14244. NO3 concern will likely remain because monitoring stations are downstream of a WWTF.
0:44:30	<ul style="list-style-type: none"> • 0826_07 pH impairment <ul style="list-style-type: none"> ○ TRA monitoring in this AU currently shows pH range from 7.8 to 8.7 S.U. May eventually come off the list.
0:44:54	<ul style="list-style-type: none"> • 0826A monitoring gap <ul style="list-style-type: none"> ○ TRA adding a station on one of the tributaries to 0826A to pick up many land uses and some baseline monitoring to cover some increasing development. Potentially Elizabeth Creek at Cleveland Gibb Road. Further downstream would pick up a larger area but due to construction on 114 access is limited. Elizabeth Creek is also a good candidate for an ALM.
0:46:37	<ul style="list-style-type: none"> • 0829_03 macrobenthics concern

Time Stamp	Item
0:47:18	<ul style="list-style-type: none"> ○ TRA planning ALM in summer 2024 if flows go down. Site is immediately downstream from Benbrook dam. If flows stay up and river scours, we may not be able to get this site this summer.
0:47:29	<ul style="list-style-type: none"> ● 0829B_01 E. coli and DO concern <ul style="list-style-type: none"> ○ Fort Worth is sampling at Station 22236. ● 0831_04, 0833_04, 0833A_01 DO impairments <ul style="list-style-type: none"> ○ TRA has conducted two rounds of diel monitoring in these AUs and impairments still exist. These portions of the river are very low flow and flashy. Set up meeting with TCEQ to determine if we need to collect more data or conduct a UAA. Can TRA get a copy of the TCEQ list for previous/current/future UAAs/RUAAs so that we can coordinate our monitoring around those plans? Can TRA help TCEQ with this monitoring or run these projects?
0:49:52	<ul style="list-style-type: none"> ● 0836_07 DO concern and E. coli impairment <ul style="list-style-type: none"> ○ Station 16721 is at the currently defined interface between 0836_07 and 0837_01 but based on conversations with TRWD this station behaves as a stream and should not be classified as in the reservoir. The elevation boundary of the reservoir is 315ft which is downstream of Station 16721. A request has been submitted to TCEQ to update the classified segment description/boundary in the Standards. Upon acceptance, the concern and impairment should be moved out of 0836 and into 0837.
0:50:52	<ul style="list-style-type: none"> ● 0836B_01 and 0836C_01 DO impairments <ul style="list-style-type: none"> ○ TRA monitored diels in 2020, 2021, 2024, and 2025. After FY2025, should a UAA be conducted or do we need to collect more diels. Will need to have a conversation with TCEQ after FY2025. ○ Previous question from TCEQ about representativeness of Station 22055 in 0836C_01. It does appear representative of intermittent with perennial pools based on TRA monitoring – several event have been reported with a flow severity of 1.
0:52:10	<ul style="list-style-type: none"> ● 0841D_01 monitoring gap <ul style="list-style-type: none"> ○ TRA planning to add a station on Big Bear or Little Bear Creek to address gap in coverage. Mixed use with residential and ranchettes/farm land and increasing development especially in the western sections. Potentially looking at Little Bear Creek at Rio Grande Blvd. ○ DFW Airport recently installed a flow sensor on Little Bear Creek near the west property line of the airport, upstream of the confluence with Bear Creek. Set up meeting with DFW Airport to discuss potential monitoring in this area.
0:54:08	<ul style="list-style-type: none"> ● 0841K_01 habitat and macroinvertebrate concerns <ul style="list-style-type: none"> ○ TRA believes that the concerns were because the ALM reach wasn't properly representative of the entire stream. Another ALM was conducted in FY 2023. Data will be available for the next assessment cycle.
0:54:40	<ul style="list-style-type: none"> ● 0841K_01 DO concern <ul style="list-style-type: none"> ○ TRA has been conducting diels at Station 15294 but found no DO issues. It is believed that the concern is coming from Station 17679 which is downstream of a golf course with wide channel and no shading which may be heating up the water leading to the concern. No correlation to chlorophyll-a which indicates that algae are not causing the issue. TRA is dropping diels at Station 15294 in FY 2025.
0:55:53	<ul style="list-style-type: none"> ● 0841Q_01 E. coli impairment <ul style="list-style-type: none"> ○ No recent monitoring. Would more recent monitoring be beneficial? Is this segment part of the NCTCOG I-Plan? Internal discussions.
From chat	<ul style="list-style-type: none"> ● 0841P_01 <ul style="list-style-type: none"> ○ Brigitte Gibson requested a meeting to discuss sampling in this AU.
00:57:15 – 00:59:56	<p>Updates on RUAs - Bonnie Evans TCEQ HQ Bacteria Coordinator</p> <ul style="list-style-type: none"> ● Working on draft recommendations for Lower Keechi (0804K) and Black Cypress Bayou (not in Trinity basin) ● Currently working on Ash Creek (0809B), Dossier Creek (0809C), and Derrett Creek (0809B) <ul style="list-style-type: none"> ○ Initial public outreaches and informational meeting and some recon ○ Potentially within the next month or two TIEAR should begin sampling ● There are several waterbodies that are potential good RUA candidates in the future – TCEQ will be sending out survey forms in the near future to determine if they should proceed forward with an RUA