

Upper Cape Fear River Basin Association

Technical Advisory Committee – October 24, 2023

Agenda

Technical Advisory Committee
(TAC) Meeting

9:30-9:40	Open TAC Meeting <ul style="list-style-type: none">• Introductions• Review agenda and invite any revisions	Jesse Day, PTRC
9:40-9:50	Organizational Report <ul style="list-style-type: none">• Organizational updates<ul style="list-style-type: none">-Outstanding Invoices (Approx. 40% of budget)-Renewing CD 10/25/2023• QA/QC Update	PTRC + CPRC Dawn Molnar, High Point
9:50-10:05	New Permit for Mebane Additional Sampling Requirements	Amanda Hill, City of Mebane
10:05-10:20	Review 1,4 Dioxane Sampling Requirements in Mebane	DWQ (Nora Deamer, Mark Vander Borgh)
10:20-10:50	Discussion Brainstorm Meeting Topic Ideas or Other Coalition Topics for good of all <ul style="list-style-type: none">• Status Update: Cape Fear River Basin Plan• Status Update: Jordan Lake Buffer Rules- state-lead process• Pre-treatment program updates• PFAS fact sheet follow – up from July Meeting	Emily Barrett, CPRC

UCFRBA Financial Highlights

- Year – End Financials (books closed in August)
 - Projected Expenditures: \$145,632.80
 - Dues Revenue: \$149,288.00
 - Add to Fund Balance: \$3,655.20
 - Cash on Hand: \$179,177.19 (Not including CDs)
- CDs Secured - \$170,000
 - Financial Institution: First Horizon Bank
 - Secured: 6-month CD for 3.5% and 11-month CD for 3.75%,.
 - Value:
 - \$70,000 – maturity 10/25/23
 - \$100,000 – maturity 3/25/24
- Insurance
 - Officers and General Liability renewed in August, increased ~10%

**Upper Cape Fear River Basin Association QA/QC Committee Report
From QA/QC Data Review Meeting of Monday, October 23, 2023**

Reviewers: Chair: Dawn Molnar (High Point), Alicia Goots (Greensboro), Amy Varinoski (Greensboro), Elaine Sellars (High Point), Martie Groome (Greensboro)

Water Quality Standard (WQS) Exceedances July 2023 through September 2023

**July - September, 2023 WQ
Data:
QA/QC Report**

July 2023 Upper Cape Fear Monitoring Data - WQS Violations				
UCFRBA Site #	Date	Parameter	Reported Value	NC WQ Standard
2	7/5/2023	Dissolved Oxygen	3.8	≥4.0 mg/l
19	7/28/2023	Dissolved Oxygen	2.9	≥4.0 mg/l
21	7/28/2023	Dissolved Oxygen	3.4	≥4.0 mg/l
26	7/31/2023	Dissolved Oxygen	3.6	≥4.0 mg/l

August 2023 Upper Cape Fear Monitoring Data – WQS Violations				
UCFRBA Site #	Date	Parameter	Reported Value	NC WQ Standard
20	8/31/2023	Turbidity	89.9	50 NTU
23	8/31/2023	Turbidity	67.0	50 NTU
1	8/25/2023	Dissolved Oxygen	2.9	≥4.0 mg/l
18	8/29/2023	Dissolved Oxygen	3.8	≥4.0 mg/l
19	8/18/2023	Dissolved Oxygen	3.9	≥4.0 mg/l
43	8/29/2023	Dissolved Oxygen	2.9	≥4.0 mg/l

September 2023 Upper Cape Fear Monitoring Data – WQS Violations				
UCFRBA Site #	Date	Parameter	Reported Value	NC WQ Standard
1	9/15/2023	Dissolved Oxygen	2.3	≥4.0 mg/l
18	9/7/2023	Dissolved Oxygen	3.6	≥4.0 mg/l
19	9/7/2023	Dissolved Oxygen	1.6	≥4.0 mg/l
30	9/8/2023	Dissolved Oxygen	3.7	≥4.0 mg/l
45	9/8/2023	Dissolved Oxygen	3.7	≥4.0 mg/l



July - September, 2023 WQ

Data: QA/QC Report

July 2023 through September 2023 – Upper Cape Fear Data Corrections/Notations				
Parameter	UCFRBA Site#	Date	Reported Value	Corrected Value
Fecal Coliform	2	8/25/2023	524	500
Fecal Coliform	3	8/25/2023	219	210
Fecal Coliform	6	8/28/2023	>600	>12,000
Fecal Coliform	14	8/28/2023	267	270
Fecal Coliform	18	8/15/2023	210	200
Fecal Coliform	32	8/24/2023	343	330
Fecal Coliform	34	8/24/2023	238	220
Fecal Coliform	36	8/24/2023	22	23
Fecal Coliform	37	8/24/2023	41	42
Fecal Coliform	5	9/19/2023	219	210
Fecal Coliform	6	9/19/2023	305	320
Fecal Coliform	7	9/19/2023	256	240
Fecal Coliform	14	9/19/2023	305	310
Fecal Coliform	19	9/22/2023	200	210
Fecal Coliform	20	9/22/2023	381	370
Fecal Coliform	24	9/22/2023	219	220
Fecal Coliform	28	9/15/2023	43	420
Fecal Coliform	29	9/15/2023	314	330
Fecal Coliform	32	9/14/2023	352	330
Fecal Coliform	33	9/15/2023	267	270
Fecal Coliform	37	9/14/2023	210	200
Fecal Coliform	39	9/14/2023	476	450
Fecal Coliform	44	9/20/2023	190	200

OTHER ISSUES and COMMENTS

Site 33 – Date recorded incorrectly on data sheet - 7/19/2023 should be 7/5/2023



Revision Date: October 23, 2023

New Permit for Mebane Additional Sampling

Permit NC0021474

A.(4.) INSTREAM MONITORING REQUIREMENTS

[15A NCAC 02B .0200 et seq.]

During the period beginning on the effective date of this permit and lasting until the expiration date, the Permittee shall perform instream sampling upstream and downstream of Outfall 001 as specified below:

PARAMETER	Parameter Code	SAMPLE TYPE	MONITORING FREQUENCY		SAMPLE LOCATION ¹
			Jun 1 – Sep 30	Oct 1 – May 31	
Temperature (°C)	00010	Grab	3/week	Weekly	U, D1, D2, D3
Dissolved Oxygen (DO) (mg/L)	00309	Grab	3/week	Weekly	U, D1, D2, D3
Fecal Coliform (#/100mL)	31616	Grab	3/week	Weekly	U, D1, D2, D3
Conductivity (µmhos/cm)	00094	Grab	3/week	Weekly	U, D1, D2, D3
TKN (mg/L)	00625	Grab	Monthly		U, D1, D2
NO ₃ -N + NO ₂ -N (mg/L)	00630	Grab	Monthly		U, D1, D2
NH ₃ as N (mg/L)	00610	Grab	Monthly		U, D1, D2
Total Phosphorous (mg/L)	00663	Grab	Monthly		U, D1, D2
1,4-Dioxane (µg/L) ²	82388	Grab	Monthly		D4, D5

Footnotes:

1. Sample locations U-Upstream 100 feet of discharge, D1- Downstream at NCSR 1940, Moadams Creek, D2 - Downstream at Back Creek at NCSR 1940 (June – Sept only), D3 - Downstream at Back Creek at NC Highway 54, D4 – Downstream at the Haw River at Old Greensboro Road, D5 – Downstream at the Haw River at Old Bynum Bridge. Instream sampling requirements are provisionally waived in light of the permittee's participation in the Upper Cape Fear River Basin Association. Should participation in the association cease, all instream sampling requirements are immediately reinstated.
2. Samples will be analyzed and reported using sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR part 136 for the analysis of pollutants or pollutant parameters. Should representative downstream 1,4-dioxane monitoring not be conducted by the Upper Cape Fear River Basin Association, downstream 1,4-dioxane monitoring requirements are immediately reinstated until confirmation of the coalition's activation of such a sampling station is received by the Division.



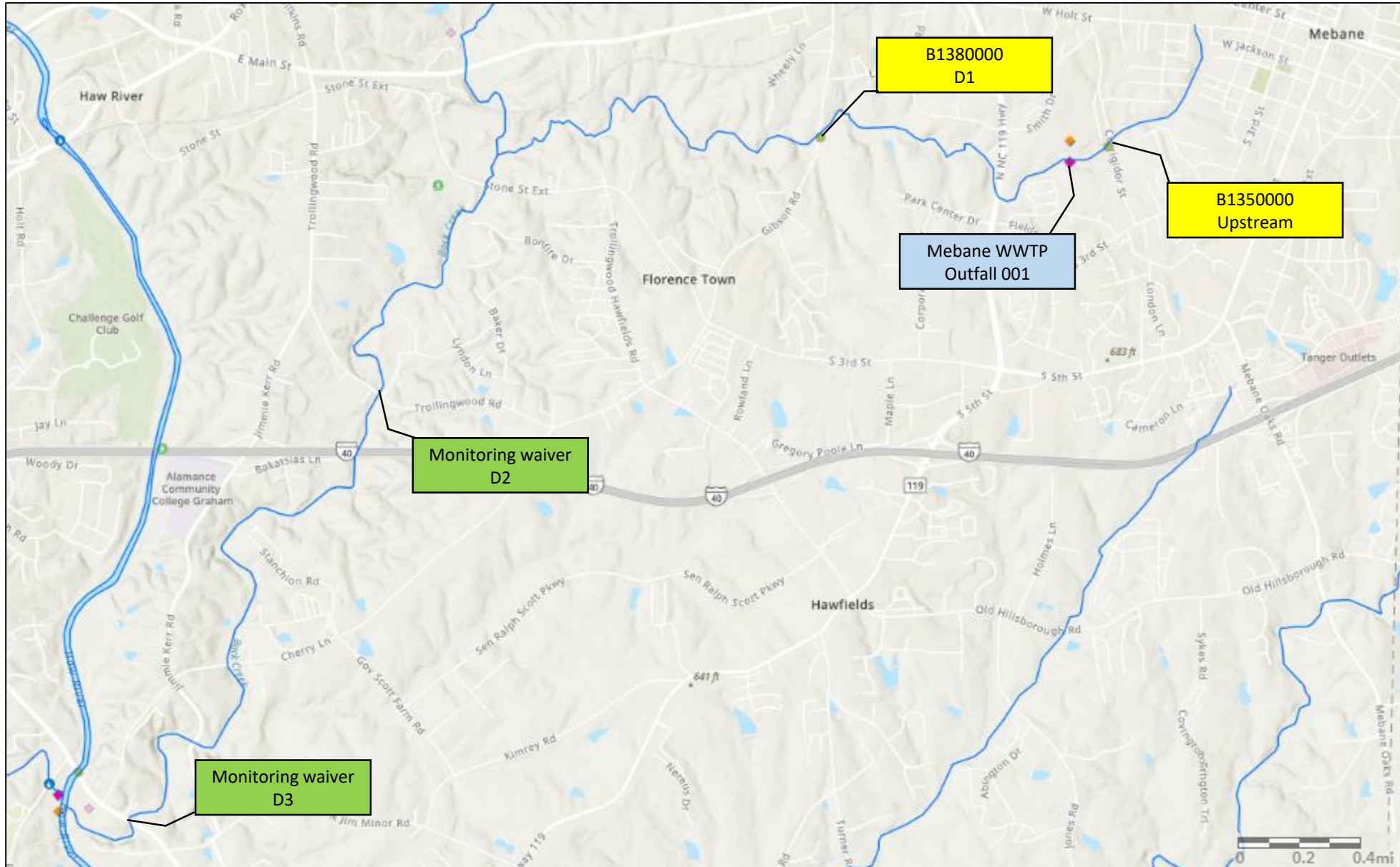
Review 1,4 Dioxane Sampling Requirements in Mebane

- Upstream = B1350000 Moadams Creek at Corrigdor Rd
- D1 = B1380000 Maodams Creek at SR 1940
- D2 = monitoring provisionally waived
- D3 = monitoring provisionally waived

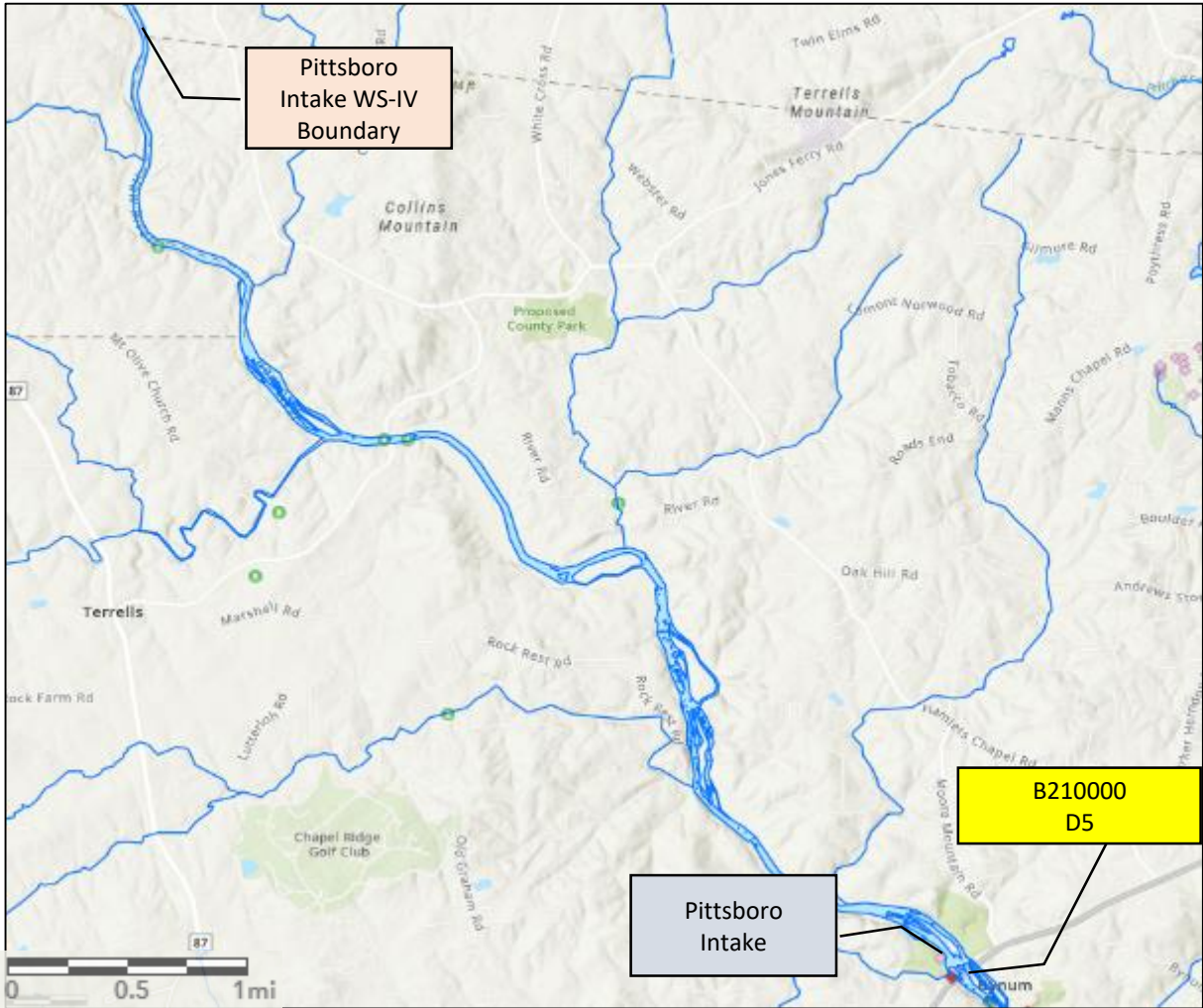
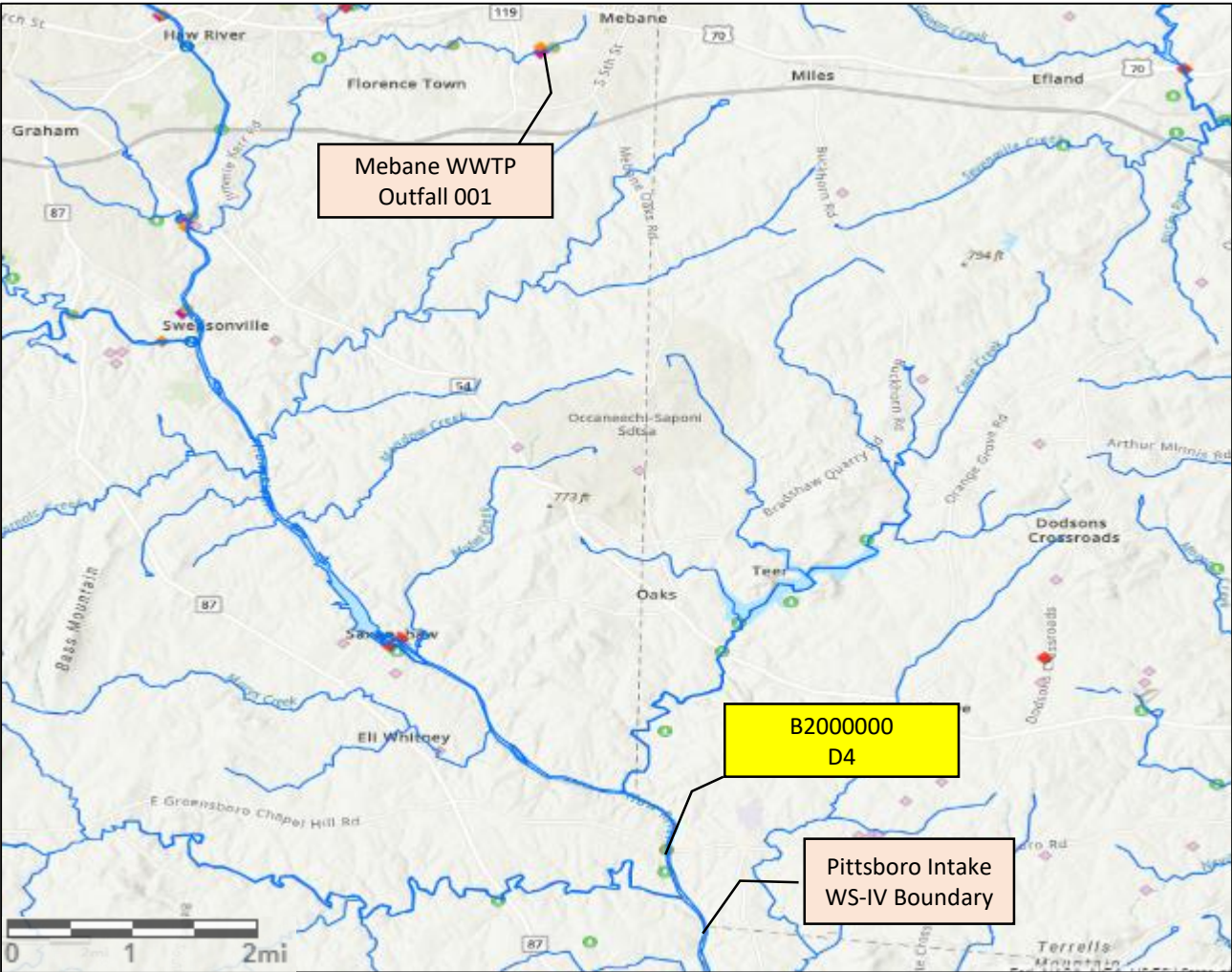
1-4 Dioxane monitoring for source water protection

- D4 = B2000000 Haw river at SR 1005 above Pittsboro WTP intake
- D5 = B2100000 Haw river at Bynum bridge below Pittsboro WTP intake

Mebane WWTP instream monitoring stations



Mebane WWTP downstream monitoring stations



Next Meeting – January 23, 2024 (Joint BOD/TAC)

Questions

Jesse Day
Interim
Jday@ptrc.org

Patty Barry
pbarry@centralpinesnc.org

