Middle Cape Fear River Basin Association: Sampling Stations, Parameters and Sampling Frequency

Station Number	Location	Station Comments	Latitude	Longitude	County	Sub-basin	8 digit HUC	Stream Classification	[1]Field Measurements	[2]Nutrients	[3]Low Level Metals	TSS	Turbidity	Fecal Coliform	Chlorophyll a
B6160000	Cape Fear River at NC 42 nr Corinth	Above Buckhorn dam, WQ problems, former DWQ ambient stn, downstream of the Progress Energy facility	35.5491	-79.0246	Chatham	CPF07	3030004	WS-IV CA	M+2SM	M		M	M	M	M
B6204000	Buckhorn Creek beside SR1921 (Buckhorn Rd.) near Corinth	Below Harris Lake, dns Shearon Harris, USGS gage	35.5435	-78.9898	Chatham	CPF07	3030004	C	M	M		M	M	M	
B6252000	Neills Creek at US 401 nr Lillington	Dns Kenneth Creek, significant tributary, broad Ag. Concerns	35.4281	-78.8240	Harnett	CPF07	3030004	WS-IV	M	M		M	M	M	
B6370000	Cape Fear River at US 401 at Lillington	Ups Harnett WWTP, Buies Creek WWTP, Angier WWTP, DWQ ambient, DWQ benthic and fish station	35.4067	-78.8149	Harnett	CPF07	3030004	WS-IV	M+2SM	M	EOM	M	M	M	
B6820050	Upper Little River at SR 1222 (Broadway Road) nr Broadway	Dns Carolina Trace WWTP, DWQ Benthic Station	35.4067	-79.0628	Harnett	CPF07	3030004	C	M	M		M	M	M	
B6830000	Upper Little River at SR 2021 (Titan Roberts Road) nr Lillington	Measures Upper Little River input, significant tributary, DWQ ambient and benthic station, excellent bioassessment in 1998	35.3266	-78.7237	Harnett	CPF13	3030004	WS-IV	M	M		M	M	M	
B6840000	Cape Fear River at NC 217 at Erwin	7 facilities discharge to Cape Fear river between this stn and the next ups stn. Dns Erwin WWTP, ups Dunn WWTP, former DWQ ambient stn	35.3121	-78.6932	Harnett	CPF13	3030004	WS-V	M+2SM	M	EOM	M	M	M	
B7300000	Lower Little River at NC 210 nr Spring Lake	Dns Spring Lake WWTP	35.2021	-78.9530	Cumberland	CPF14	3030004	C	M	M		M	M	M	
B7319100	Lower Little River at SR 1609 (West Reeves Bridge Road) nr Walkertown	Dns future South Harnett WWTP	35.2598	-78.8231	Cumberland	CPF14	3030004	C	M	M		M	M	M	
B7480000	Cape Fear River at Hoffer Water Treatment Plant intake at Fayetteville	Ups Cross Creek WWTP	35.0825	-78.8638	Cumberland	CPF15	3030004	WS-IV CA	M+2SM	M		M	M	M	
B7500000	Cape Fear River at I-95 below Fayetteville	Dns Cross Creek WWTP	34.9830	-78.8480	Cumberland	CPF15	3030004	C	M+2SM	M	EOM	M	M	M	
B7679300	Rockfish Creek at US 401 bypass near Raeford	Ups Raeford WWTP, USGS gage	34.9995	-79.2148	Hoke	CPF15	3030004	B	M	M		M	M	M	
B7700000	Rockfish Creek at SR 1432 (Golf Course Road) nr Rockfish and Raeford	5 mi dns Raeford WWTP, DWQ ambient stn, DWQ benthos stn	34.9680	-79.1100	Hoke	CPF15	3030004	B	M	M		M	M	M	
B8230000	Rockfish Creek at NC 87 S. of Fayetteville and I-95	Area w/excellent WQ, major tributary input, excellent IBI in 1998 an improvement since 1993	34.9561	-78.8441	Cumberland	CPF15	3030004	C	M	M		M	M	M	
B8290000	Cape Fear River at Dupont water intake just ups of L&D3	Dns Monsanto and Rockfish Creek WWTP, WQ at Lock 3	34.8495	-78.8263	Cumberland	CPF16	3030005	C	M+2SM	M	EOM	M	M	M	M
B8302000	Cape Fear River at power lines (no road) nr Tolarsville	Ups of Smithfield Foods	34.7843	-78.7983	Bladen	CPF16	3030005	C	M+2SM	M		M	M	M	
B8305000	Cape Fear River at SR 1316 at Tar Heel	Dns of Smithfield Foods, former DWQ ambient stn	34.7448	-78.7856	Bladen	CPF16	3030005	C	M+2SM	M		M	M	M	M
B8306000	Cape Fear River at RM 80 below Harrison Creek nr Ruskin	Ups Danaher; RM 80 Below Harrison Cr	34.6831	-78.6847	Bladen	CPF16	3030005	C	M+2SM	M		M	M	M	
B8320000	Cape Fear River at US 701 at Elizabethtown	Ups Elizabethtown WWTP	34.6324	-78.6029	Bladen	CPF16	3030005	C	M+2SM	M		M	M	M	
B8339000	Cape Fear River just above Lock & Dam 2	DWQ benthic and fish stn, dns Elizabethtown WWTP	34.6270	-78.5780	Bladen	CPF16	3030005	C	M+2SM	M		M	M	M	M
B8340130	Cape Fear River at RM 70 (no road) dns Lock and Dam 2	Dns Turnbull and Browns Creeks, 2 mi below Lock and Dam 2	34.6246	-78.5505	Bladen	CPF16	3030005	C	M+2SM	M		M	M	M	
B8340650	Cape Fear River at RM 55 (no road) nr Bladen Springs	Mid Lower Basin WQ, beginning DO sag	34.5352	-78.4398	Bladen	CPF16	3030005	WS-V	M+2SM	M		M	M	M	
B8348000	Cape Fear River at SR 1730 (Elwell Ferry Rd.) nr Carvers	DWQ benthic stn	34.4740	-78.3690	Bladen	CPF16	3030005	WS-IV	M+2SM	M		M	M	M	
B8349000	Cape Fear River above Lock & Dam 1 nr East Arcadia	WQ at Lock and Dam 1	34.4060	-78.2943	Bladen	CPF16	3030005	WS-IV CA	M+2SM	M	EOM	M	M	M	M

Station Number	Location	Station Comments	Latitude	Longitude	County	Sub-basin	8 digit HUC	Stream Classification	[1]Field Measurements	[2]Nutrients	[3]Low Level Metals	TSS	Turbidity	Fecal Coliform	Chlorophyll *a*
voluntary stations															
B6130500	Lick Creek at SR 1500 nr Corinth	Previously unmonitored tributary	35.5592	-79.0550	Lee	CPF07	3030004	WS-IV	M	M		M	M	M	
B6215000	Cape Fear River at Captain's Landing Subdivision	dns of Western Wake discharge	35.4871	-78.9516	Harnett	CPF07	3030004	WS-IV	M+2SM	M		M	M	M	
B6230000	Avents Creek at SR 1418 nr Cokesbury	Excellent IBI, fish reference site	35.4875	-78.9094	Harnett	CPF07	3030004	WS-IV HQW	M	M		M	M	M	
B6320000	Kenneth Creek at SR 1441 (Chalybeate Springs Road) nr Angier	Dns of Fuquay-Varina WWTP and Senter's Rest Home, benthic concerns, DWQ benthos and fish site	35.5144	-78.7862	Harnett	CPF07	3030004	WS-IV	M	M		M	M	M	
B6485000	Buies Creek behind Keith Hills Golf Course Maintenance Shop nr Campbell University	Previously unmonitored tributary	35.3907	-78.7527	Harnett	CPF07	3030004	WS-IV	M	M		M	M	M	
B7590000	Cross Creek at Bus NC 301/Bus I-95 in Fayetteville	Urban tributary, poor water quality	35.0547	-78.8625	Cumberland	CPF15	3030004	C	M	M		M	M	M	
B8315000	Harrison Creek at SR 1320 at Burney	Improving IBI and fish data	34.7317	-78.7164	Bladen	CPF16	3030005	C	M	M		M	M	M	
B8340100	Turnbull Creek at US 701, NC 53, and NC 41 nr Elizabethtown	Significant tributary	34.6470	-78.5567	Bladen	CPF16	3030005	C	M	M		M	M	M	
B7584900	Unnamed Tributary at CCWRF	Part of Cross Creek Watershed fecal coliform study	35.0599	-78.8647	Cumberland	CPF15	3030004	C	M	M		M	M	M	
B7547000	Cross Creek in Cross Creek Park	Part of Cross Creek Watershed fecal coliform study	35.0538	-78.8769	Cumberland	CPF15	3030004	C	M	M		M	M	M	
B7584000	Blount's Creek at Person Street Bridge	Part of Cross Creek Watershed fecal coliform study	35.0497	-78.8703	Cumberland	CPF15	3030004	C	M	M		M	M	M	
B7584800	Unnamed Tributary at Anne St.	Part of Cross Creek Watershed fecal coliform study	35.0622	-78.8718	Cumberland	CPF15	3030004	C	M	M		M	M	M	

1 Field Measurements include: Dissolved Oxygen, Temperature, Conductivity and pH

2 Nutrients include Ammonia as N, Nitrate/Nitrite as N, Total Kjeldahl Nitrogen as N, and Total Phosphorus as P

3 Low Level Metals sampling and analysis will be conducted as specified in the MOA document "Attachment 1: Sampling Plan for Low Level Metals" that is included as an attachment to this MOA. Metals analysis will include the following metals: Aluminum (Al), Arsenic (As), Cadmium (Cd), Chromium (Cr)(total), Copper (Cu), Iron (Fe), Lead (Pb), Manganese (Mn), Mercury (Hg), Nickel (Ni), and Zinc (Zn). Metals monitoring was suspended per DWQ April 2008 letter at the agreement of DWQ and MCFRBA.

Frequency: M=Monthly; M+2SM=Monthly with Twice Monthly Summer Sampling in May, June, July, August, and September; EOM=Every Other Month (January, March, May, July, September, November)

Samples are collected at least ten days apart except when extenuating circumstances arise such as inclement weather or other emergency situations.

ups=upstream dns=downstream stn=station